English

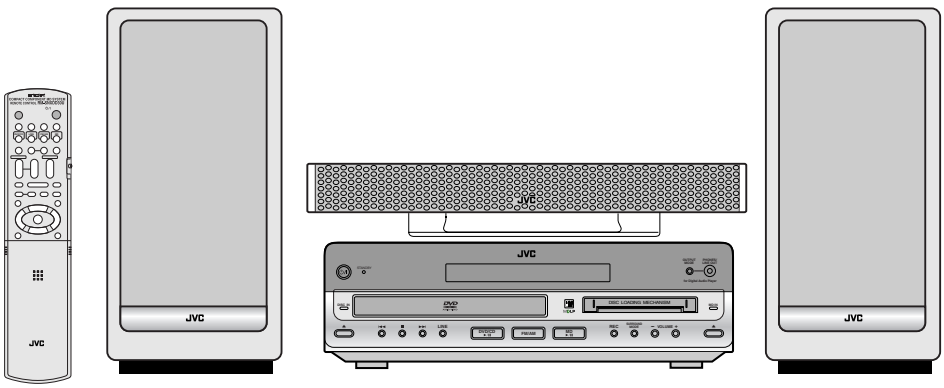
中文

JVC

COMPACT COMPONENT MD SYSTEM
MD 微型组合系统

NX-DD30

Consists of CA-NXDD30 and SP-NXDD30
由 CA-NXDD30 及 SP-NXDD30 组成



DVD AUDIO/VIDEO™ DIVX® VIDEO HOME THEATER DIVX® CERTIFIED VIDEO™ DOLBY DIGITAL PRO LOGIC II DIGITAL dts® SURROUND COMPACT disc SUPER VIDEO

Mini Disc MDLP AV COMPU LINK Digital Direct Progressive Scan

INSTRUCTIONS

使用说明书

LVT1430-002A
[UB]

Warnings, Cautions and Others / 警告，注意及其他须知事项

CAUTION

To reduce the risk of electrical shocks, fire, etc.:
1. Do not remove screws, covers or cabinet.
2. Do not expose this appliance to rain or moisture.

注意

为了减少触电、火灾等危险：
1. 请勿擅自卸下螺丝钉、盖子或机壳。
2. 请勿让本机受雨淋或置于潮湿环境中。

CAUTION — ⏻/I button!

Disconnect the mains plug to shut the power off completely.
The ⏻/I button in any position does not disconnect the mains line.
- When the system is on standby, the STANDBY lamp lights red.
- When the system is turned on, the STANDBY lamp lights goes off.

The power can be remote controlled.

注意－ ⏻/I 开关！

想要完全关闭电源，须将电源插头从插座上拔下。
无论 ⏻/I 键处于何种位置，主电路仍旧没有关闭。
- 当系统处于待机状态时， STANDBY 灯发红光。
- 当系统处于开启状态时， STANDBY 灯熄灭。

电源开关可用遥控器进行控制。

CAUTION

- Do not block the ventilation openings or holes. (If the ventilation openings or holes are blocked by a newspaper or cloth, etc., the heat may not be able to get out.)
- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- When discarding batteries, environmental problems must be considered and local rules or laws governing the disposal of these batteries must be followed strictly.
- Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

注意

- 切勿堵塞通风口或通风孔。（如果通风口或通风孔被报纸或布等物堵塞，热量将无法散出。）
- 切勿在本系统上放置明火，如点燃的蜡烛。
- 想要丢弃电池时，务必考虑环保问题以及严格遵守当地关于处理废旧电池相关的法律规定和条例。
- 切勿让本机受雨淋、受潮湿、落上或溅上水滴，亦勿在本机上面放置盛满液体的容器，如花瓶。

IMPORTANT FOR LASER PRODUCTS / 镭射产品的重要说明

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED INSIDE THE UNIT.

1. 一级镭射产品。
2. **注意**：请勿打开顶盖板，本机内部没有用户可自行维修的部件；所有维修工作应由有资格的人员完成。
3. **注意**：当内部锁定装置失效或者损坏后，打开盖板可能会产生可见或不可见的镭射辐射。 应避免受到镭射光束的直接照射。
4. 标签的复制标示： 注意标签位于机内。

CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	**ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d)	**VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s)	**VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f)

CAUTION — Proper Ventilation

To avoid risk of electric shock and fire and to protect from damage, locate the apparatus as follows:

Top/Front/Back/Sides:	No obstructions should be placed in the areas shown by the dimensions below.
Bottom:	Place on the level surface. Maintain adequate air path for ventilation by placing on a stand with a height of 10 cm or more.

In addition, maintain the best possible air circulation.

注意 — 正确的通风方法

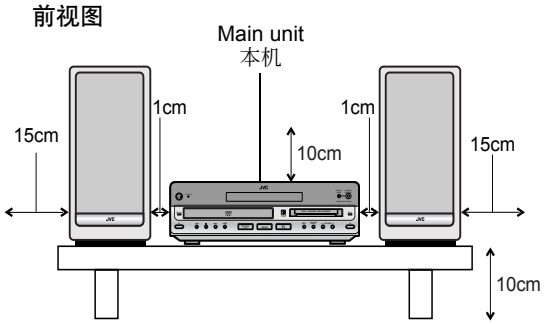
为了防止触电，火灾及避免损坏，

按如下要求放置机器：

上面 / 前面 / 后面 / 侧面：	在图中所示范围中，不应放置任何障碍物。
底部：	放置在水平面上。放置在一个高 10 cm 或更高的台上以保留足够的通风道。

此外，如图所示，尽可能保持最佳的空气循环。

Front view
前视图



Side view
侧视图

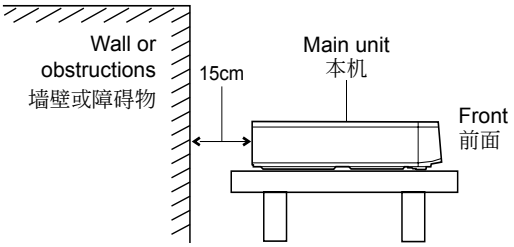


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Used frequently marks refer to operation used frequently. You can quickly learn the general usage of this product by reading those parts only.

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Notes on Operation

Suitable Locations for the Main Unit

To minimize the need for servicing and maintain the high quality of this product, do not place the main unit in the following locations:

- In a position subject to high humidity or considerable dust
- On an uneven or unstable surface
- Near a heat source
- Near a computer, fluorescent light or other electric appliance
- In a small room with insufficient ventilation
- In a position exposed to direct sunlight
- In a position exposed to excessive cold
- In a position exposed to strong vibration
- Near a TV, other amplifier, or tuner
- Near a magnetic source

CAUTION

- The operating temperature of this product is 5°C to 35°C. Use in temperatures outside this range may cause a malfunction or damage the product.

Condensation

Under the following conditions, you may not be able to operate this product properly due to condensation formed on the lens of the main unit:

- When you have just started an air conditioner to warm your room
- When you have placed the main unit at an area with high humidity
- When you have moved the main unit from a cold place to a warm place

When condensation forms, leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.

Cleaning the Main Unit

When the operation panel becomes dirty, dust it with a soft dry cloth. When the operation panel is very dirty, wipe it with a cloth dampened with a small amount of a neutral detergent, and then wipe it with a soft dry cloth.

CAUTION

- Do not wipe the operation panel with thinners, benzenes or other chemical agents. Do not spray insecticides onto the operation panel. These may cause discoloration and damage to the surface.

Listener's Etiquette

When using headphones, keep the volume at a moderate level so as not to over-stimulate your ears.

■When enjoying sound from the speakers, adjust the volume to a suitable level to avoid disturbing your neighbors.
Even low-volume sound carries a long way, especially at night. Show consideration to your neighbors by closing windows or using headphones.

- Manufactured under license from Dolby Laboratories. "Dolby", "MLP Lossless", and the double-D symbol are trademarks of Dolby Laboratories.
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- DVD Logo is a registered trademark of DVD Format/Logo Licensing Corporation.
- "Official DivX Certified™ product", "Plays DivX® 5, DivX® 4, DivX® 3, and DivX® VOD video content (in compliance with DivX Certified™ technical requirements)", "DivX, DivX Certified", and associated logos are trademarks of DivX-Networks, Inc. and are used under license.

Playable Disc Types

	CD-R/ CD-RW	DVD-R	DVD-RW
Audio CD format	Playable	—	—
VCD/SVCD format	Playable	—	—
MP3/WMA/JPEG format	Playable	Playable[1]	Playable[1]
DVD Video format	—	Playable	Playable
DVD VR format	—	Playable[2]	Playable[2]
DivX format	Playable	Playable[3]	Playable
ASF (Advanced Systems Format)	Playable	Playable	Playable

- Discs should be finalized before being played back.

1 Among MP3/WMA/JPEG discs, only discs formatted with ISO 9660 (known as UDF Bridge) are playable.
2 Only when a DVD-RW is compatible with CPRM (Content Protection for Recordable Media), DVD VR format can be used.
3 A DivX formatted DVD-ROM is also playable.

It is possible to play back finalized +R/+RW (DVD Video Format only) discs. "DVD" lights on the front display panel when a +R/+RW disc is loaded.

Some discs may not be played back because of their disc characteristics, recording conditions, or damage or stains on them.

Only sounds can be played back from the following discs:

MIX-MODE CD CD-G
CD-EXTRA CD TEXT

Region code of DVD VIDEO
DVD players and DVD VIDEOs have their own region code numbers. This product can only play back a DVD VIDEO recorded with the region code number "3" (or any region code number that includes "3") or "ALL".

Examples:



If a DVD VIDEO with an improper region code number is loaded, "REGION CODE ERROR!" appears on the TV screen and playback cannot start.

- **On some DVD VIDEOs, DVD AUDIOs, VCDs, SVCDs or DivX discs, their actual operation may be different from what is explained in this manual. This is due to the disc programming and disc structure, not a malfunction of this product.**

Discs you can play back:

Disc Type	Mark (Logo)
DVD VIDEO	
DVD AUDIO	
VCD	
SVCD	
CD	
CD-R	
CD-RW	
DivX	

About CD-Rs/CD-RWs and DVD-Rs/DVD-RWs

- Playback is impossible in some cases due to the disc characteristics, recording condition, scratches or dirt on the disc, or dirt or condensation on the lens.
- Before using a disc, carefully read the cautions regarding the disc.
- This product does not support playback or CD text display of sound files such as MP3s.
- To play back a CD-RW or DVD-RW on this product, erase all tracks if the CD-RW or DVD-RW was recorded in a format other than the format described on the left. Using the CD-RW or DVD-RW without erasing all tracks may result in damage to the speakers or other parts caused by sudden loud volume.

Discs that cannot be played back

- The following discs cannot be played back: DVD-ROM (except for MP3/WMA/JPEG/ASF/ DivX format), DVD-RAM, CD-ROM, CD-I (CD-I Ready), Photo CD, SACD, etc.
  Playing back these discs will generate noise and damage the speakers.
- Damaged discs and discs in an extraordinary shape (other than a disc of 12 cm or 8 cm in diameter) cannot be played back.
- JVC do not guarantee the operation and sound quality of discs not authorized by CD-DA, which is a CD specification.
  Before playback, confirm that the disc complies with this CD specification by checking the marks and reading notes printed on the package.

Caution for DualDisc playback:
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

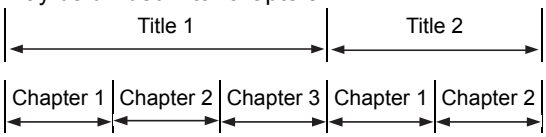
About MP3/WMA/JPEG/ASF/DivX discs
Playable MP3/WMA/JPEG/ASF/DivX discs and files
- CDs recorded in the ISO 9660 format are playable (except CDs recorded in the "packet write" format (UDF format)).
- CDs recorded in the multi-session format are also playable.
- Files with an extension of ".mp3", ".wma", ".jpg", ".jpeg", ".asf", ".divx", ".div" or ".avi" (extensions with uppercase and lowercase letters mixed are also acceptable) are playable.
- This product cannot play back DVDs recorded in multi-session or multi-border format.

Notes on MP3/WMA/JPEG/ASF discs and files
- A disc may not be played back, or reading it may take a long time depending on its recording conditions or properties.
- The time needed for reading varies with the number of groups or tracks (files) recorded on the disc.
- If a character other than single byte English characters is used in the file name of an MP3/WMA/JPEG/ASF file, the track/file name will not be displayed correctly.
- The order of tracks/groups displayed on the MP3/WMA Control screen, and the order of files/groups displayed on the JPEG Control screen may be different from that of files/folders displayed on PC's monitor screen.
- In the case of MP3/WMA discs, since groups/tracks are played back in alphabetical order, a commercially available MP3/WMA disc may be played back in an order different from that indicated on the label attached to the disc.
- Playing back an MP3/WMA file including a still image may take a long time. The elapsed time is not displayed until playing back starts. If playing back starts, the elapsed time may not be displayed correctly.
- For an MP3/WMA file, a disc with a sampling frequency of 44.1 kHz and transmission rate of 128 kbps is recommended.
- This product is not compatible with MP3i or MP3PRO.
- This product can play back a baseline JPEG file, excluding monochromatic JPEG files.
- This product can play back JPEG data taken with a digital camera conforming to the DCF (Design Rule for Camera File System) standard (when a function is applied such as the automatic rotation function of a digital camera, data goes beyond the DCF standard, so the image may not be displayed).
- If data has been processed, edited and restored with PC image editing software, the data may not be displayed.
- This product cannot play back animations such as MOTION JPEG, or still pictures (TIFF etc.) other than JPEG, and image data with sound.
- The resolution of 640 x 480 pixels is recommended for JPEG files. If a file has been recorded at a resolution of more than 640 x 480 pixels, display may take a long time. An image with a resolution of more than 8192 x 7680 pixels cannot be displayed.
- The system supports ASF files recorded with the maximum bit rate of 384 kbps and an audio coder decoder of G.726.

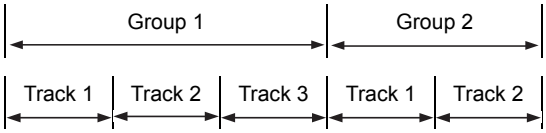
Notes on DivX discs and files
- The system supports DivX 5.x, 4.x and 3.11.
- The system supports DivX files with a resolution of 720 x 480 pixels or less (30 fps) and 720 x 576 pixels or less (25 fps).
- Audio stream should conform to MPEG1 Audio Layer-2 or MPEG Audio Layer-3 (MP3).
- The system does not support GMC (Global Motion Compression).
- Files encoded in the interlaced scanning mode may not be played back correctly.
- Playing back a DivX disc may take a long time. The elapsed time is not displayed until playback starts. The elapsed time may also not be displayed correctly.

Disc Structure

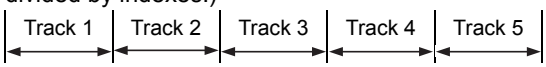
DVD VIDEO
A DVD VIDEO consists of "titles" and each title may be divided into "chapters".



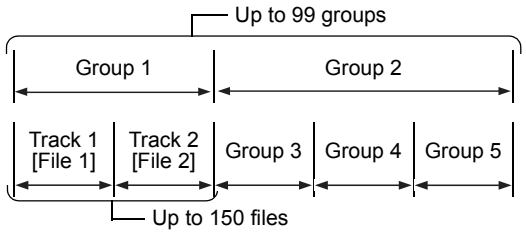
DVD AUDIO
A DVD AUDIO consists of "groups" and each group may be divided into "tracks".
Some discs include a "bonus group" that requires a password for playing (☞ page 31).



VCD/SVCD/CD
VCD, SVCD and CD consist of "tracks".
In general, each track has its own track number. (On some discs, each track may also be further divided by indexes.)



MP3/WMA/JPEG/ASF/DivX discs
On an MP3/WMA/JPEG/ASF/DivX disc, each still picture (material) is recorded as a track [file]. Tracks [Files] are usually grouped into a folder. Folders can also include other folders, creating hierarchical folder layers.
This unit simplifies the hierarchical construction of a disc and manages folders by "groups".



This product can recognize up to 4000 tracks [files] in a disc. Also, the product can recognize up to 150 tracks [files] per group and up to 99 groups in a disc. Since the unit ignores the tracks [files] whose numbers are exceeding 150 and the groups whose numbers are exceeding 99, they cannot be played back.

- If there is any type of files other than MP3/WMA/JPEG/ASF/DivX files in a disc, those tracks [files] are also counted in the total file number.

About the Color System

Regarding TV mode
This product is suitable for NTSC. The discs using TV mode other than NTSC (such as PAL) is converted into NTSC mode before playback.

NOTE

- Some discs may not be played properly, for example, the picture movement may not be smooth, or the aspect ratio (ratio of length and width) may be changed.

Special Cautions

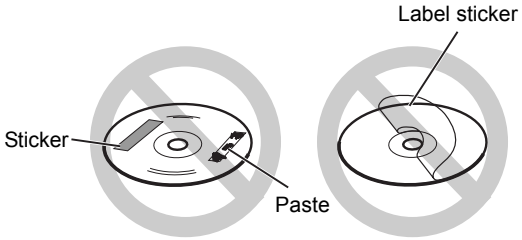
Notes on Handling

■Important cautions

Installation of the system
- Select a place which is level, dry and neither too hot nor too cold; between 5°C and 35°C.
- Leave sufficient distance between the system and the TV.
- Do not use the system in a place subject to vibration.

Power cord
- Do not handle the power cord with wet hands!
- A small amount of power is always consumed while the power cord is connected to the wall outlet.
- When unplugging the power cord from the wall outlet, always pull on the plug, not the power cord.

To prevent malfunctions of the system
- There are no user-serviceable parts inside. If anything goes wrong, unplug the power cord and consult your dealer.
- Do not insert any metallic object into the system.
- Do not use any non-standard shape disc (like a heart, flower or credit card, etc.) available on the market, because it may damage the system.
- Do not use a disc with tape, stickers, or paste on it, because it may damage the system.



Note about copyright laws
Check the copyright laws in your country before recording from CDs. Recording of copyrighted material may infringe copyright laws.

■Safety precautions

Avoid moisture, water and dust
Do not place the system in moist or dusty places.

Avoid high temperatures
Do not expose the system to direct sunlight and do not place it near a heating equipment.

When you are away
When away on travel or for other reasons for an extended period of time, disconnect the power cord plug from the wall outlet.

Do not block the vents
Blocking the vents may damage the system.

Care of the cabinet
When cleaning the system, use a soft cloth and follow the relevant instructions on the use of chemically-coated cloths. Do not use benzene, thinner or other organic solvents including disinfectants. These may cause deformation or discoloring.

If water gets inside the system
Turn the system off and disconnect the power cord plug from the wall outlet, then call the store where you made your purchase. Using the system in this condition may cause fire or electrical shock.

■When condensation or water drops adhere to the lens

In any of the following cases, condensation or water drops may adhere to the lens to prevent the system from working properly:
- Immediately after roomheating starts
- When the system is installed in a steamy or damp space
- When the system is suddenly moved from a cold place to a warm space

In any of these cases, leave the system turned on for 1 or 2 hours before use.

- This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

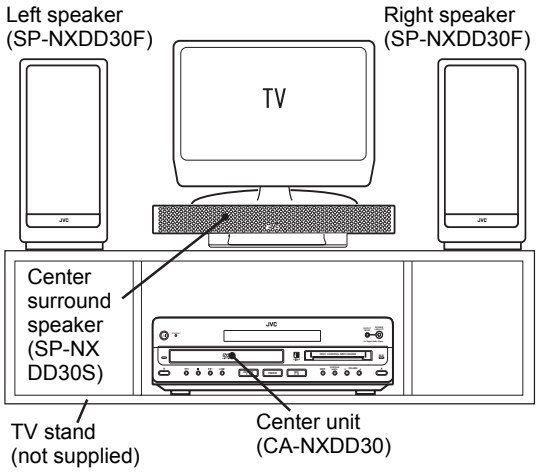
Supplied Accessories

Check to be sure you have all of the supplied accessories.
The number in parentheses is the quantity of the pieces supplied. If anything is missing, contact your dealer immediately.

Remote control (1)
Batteries (2)
FM antenna (1)
AM loop antenna (1)
Video cord (1)
Power cord (1)
Speaker cord (2 bundles with plugs, 3 meters each)

Setting Up the Unit

This products allows you to enjoy virtual surround sound using only the four speakers in the front, as it is equipped with the 4-speaker front surround function.



Listening Point

- Multi-channel center audio is separated and output through the center surround speaker.

About Front Surround Function

Instead of the traditional 5.1 channel playback system, we have introduced a virtual surround system that utilizes four speakers situated in the front.

The mechanism is based on an original JVC technique in which two center speakers, separated by the average distance between two human ears, deal with the center signals and the surround signals, while the LFE (low frequency sound effect) is added to steady the L channel signal and the R channel signal that are transmitted to the main speakers on the left and right sides. A high quality digital amplifier drives the speakers at 30W x 4ch.

Characteristics of 4-Speaker Front Surround

- Our original speaker layout and signal processing does not only save space, but it also ensures a more realistic sound field.
- Since high quality sound is produced using basic 2 channel stereo, it is ideal for playing music.
- The center surround speaker allows listeners to enjoy realistic speech localization.
- It provides realistic surround effects, with wider listening points for both front and back areas.

Information on Speaker Display in the display window

Speaker Display shows input signals and the speaker in use.

SW : Sub-Woofer
When the sub-woofer is set to "OFF" (☞ page 39), or when headphones are being used, the light is off.

L : The light is on when the left front speaker signal is being input.

C : The light is on when the center speaker signal is being input.

R : The light is on when the right front speaker signal is being input.

LFE : The light is on when LFE signal is being input.

LS : The light is on when the left surround speaker signal is being input.

S : The light is on when the monophonic signal is being input.

RS : The light is on when the right surround speaker signal is being input.

When the line under L, C, R, LS, or LR is on, the sound is being played from that speaker.

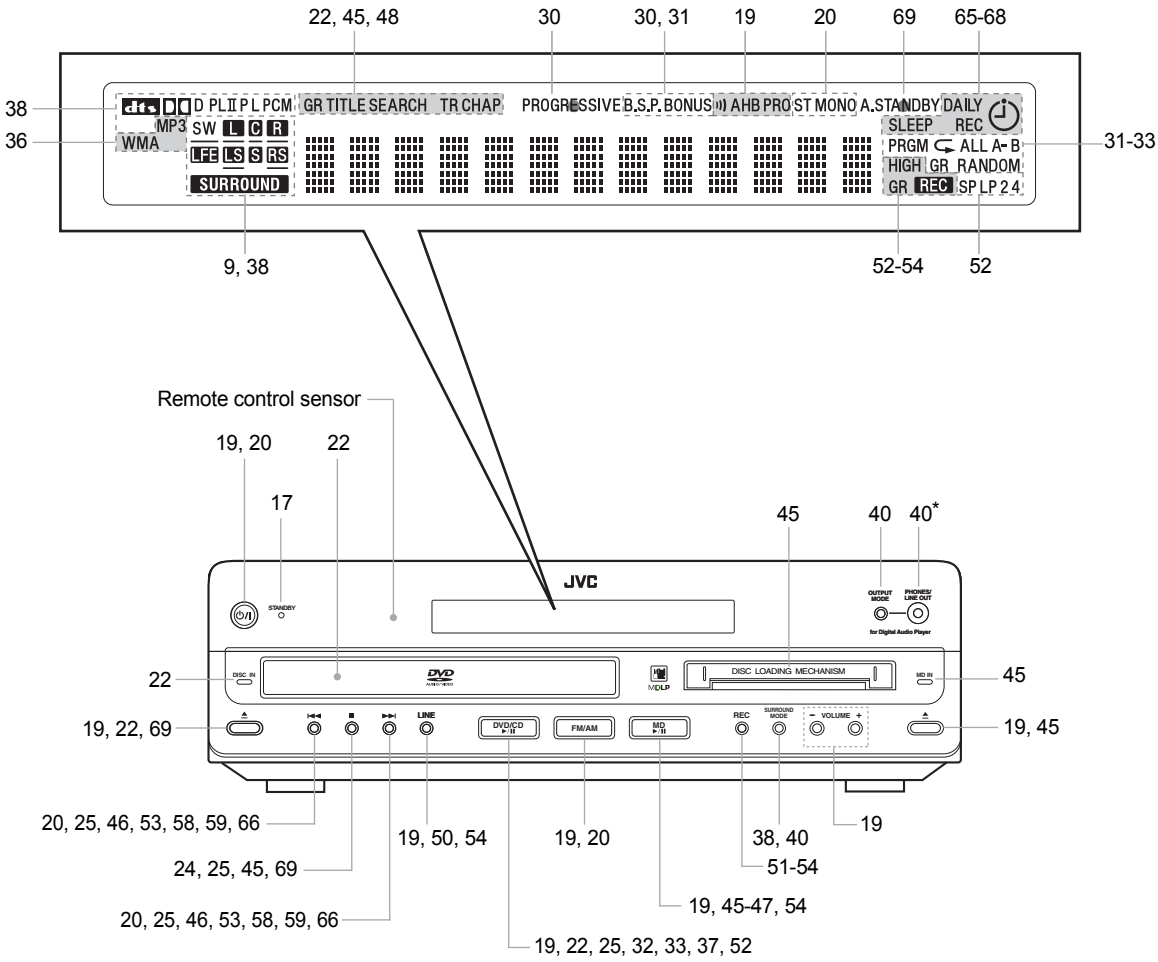
How to remove the speaker cover

When performing maintenance or other procedures, you can remove the cover of the front speakers by pulling the cover towards you.

- You cannot remove the cover of the center surround speaker.

Part Description

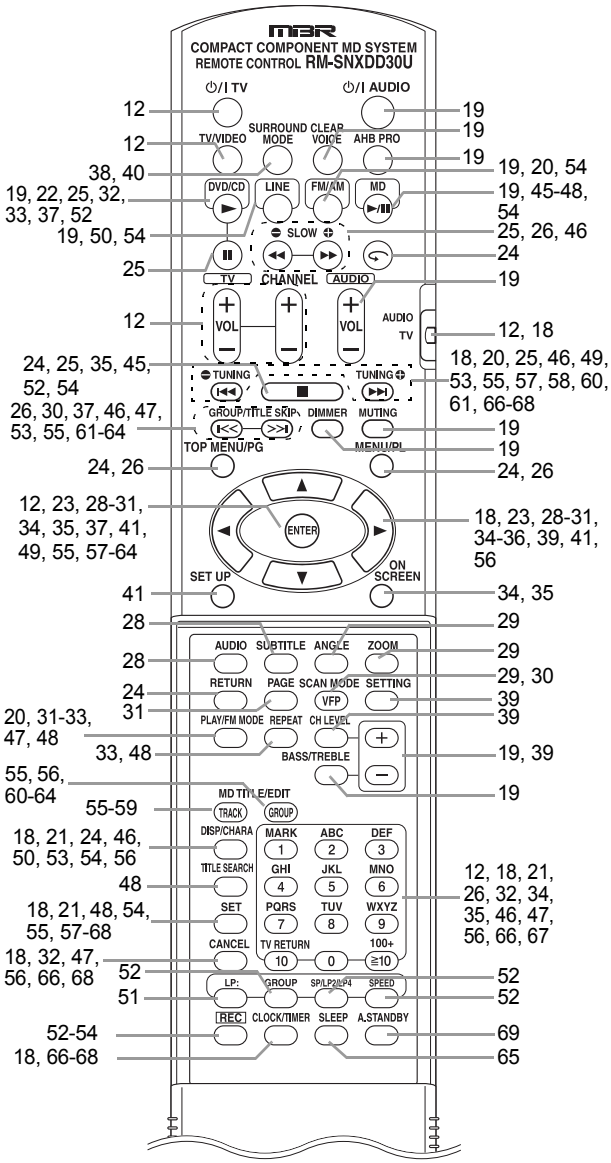
The numbers refer to the pages in which the parts are explained.



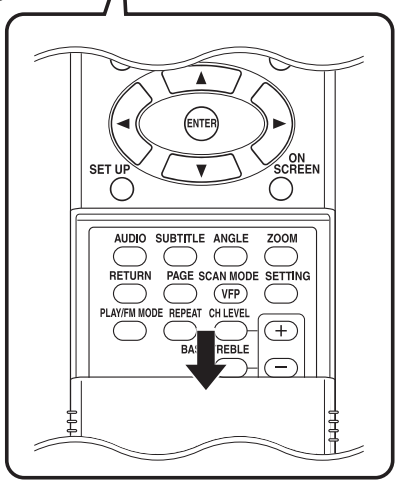
* This terminal is for connecting a pair of headphones equipped with a stereo mini plug (not supplied) or for connecting a line out cord (not supplied). While the headphones are connected, the speakers do not produce any sound.

Remote Control

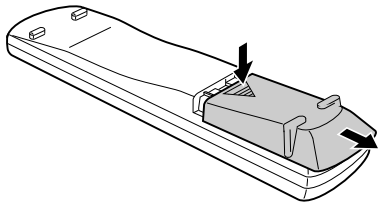
The numbers refer to the pages in which the parts are explained.

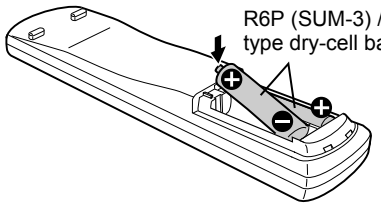


Opening the cover

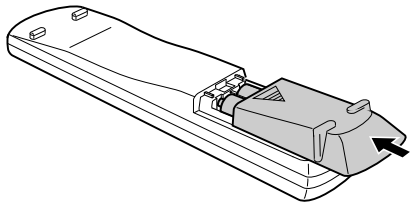


Inserting Batteries into the Remote Control





R6P (SUM-3) /AA (15F) type dry-cell batteries (2)



CAUTION

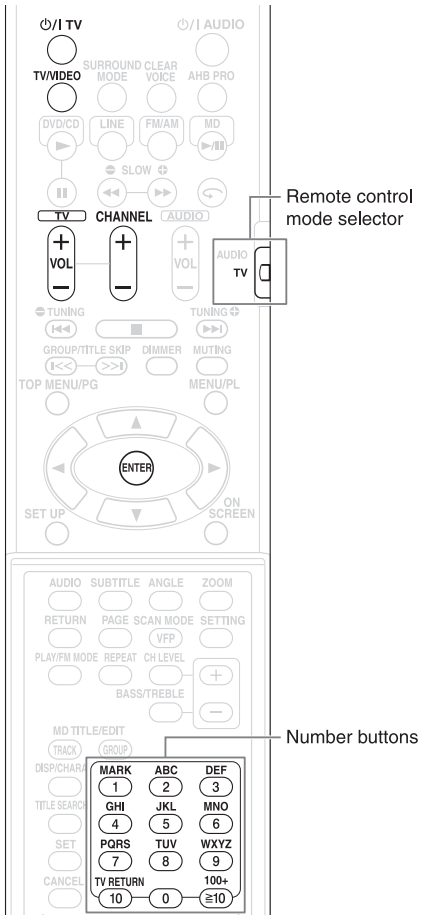
- Do not use a used battery and a new battery together.
- Do not use different types of batteries at the same time.
- Take out the batteries if the remote control is not to be used for a long time. Otherwise it may cause a leakage.

Remote control operation

- When operating the remote control, point it at the front panel of the main unit.
- The effective distance between the remote control and the remote control sensor on the main unit is approximately 5 m maximum.
- When the effective distance decreases, replace the batteries.
- Do not drop the remote control or subject it to excessive shock.

This page is for when operating your TV using the remote control of this product.

Operating the TV Using the Remote Control



Setting the manufacturer's code

1 Slide the remote control mode selector to the TV side.



2 Hold down ⏻/I TV.

NOTE

- Hold down ⏻/I TV until step 4 is completed.

3 Press ENTER and release.

4 Press number buttons (1-9, 0).

Examples:

For a Hitachi TV: Press 1, then 0.
For a Toshiba TV: Press 0, then 8.

If there are two or more manufacturer's codes, try them in turn and select the one that causes the product to work properly.

Manufacturer	Code	Manufacturer	Code
JVC	01	Samsung	12
Hitachi	10	Sanyo	13
Magnavox	02	Sharp	06
Mitsubishi	03	Sony	07
Panasonic	04, 11	Toshiba	08
Philips	14	Zenith	09
RCA	05		

5 Release ⏻/I TV.

NOTE

- The manufacturer's codes may be changed without notice. You may not be able to operate a TV produced by the manufacturer shown above.

For TV operation

Operate the remote control by pointing it towards the TV.

⏻/I TV	Turn on/off the power.	
CHANNEL + −	Change channels.	
TV + VOL −	Adjust volume.	
MARK 1 - WXYZ 9 / 0	AUDIO TV *1	Select channels.
TV RETURN 10	Change between the previously selected channel and the current channel.	
TV/VIDEO	Change between TV and video input.	

*1 Make sure to slide the remote control mode selector to the TV side in advance.

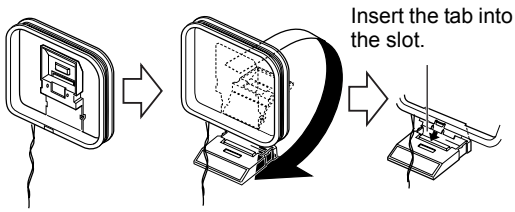
NOTE

- When the batteries are replaced, perform the manufacturer's code setting again.

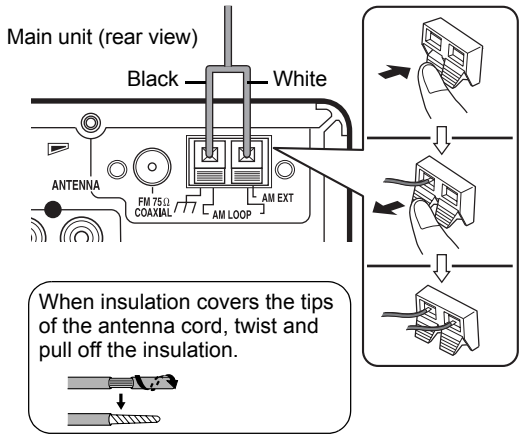
Connecting the Antennas

Connecting the AM antenna

1 Set up the AM antenna (supplied).



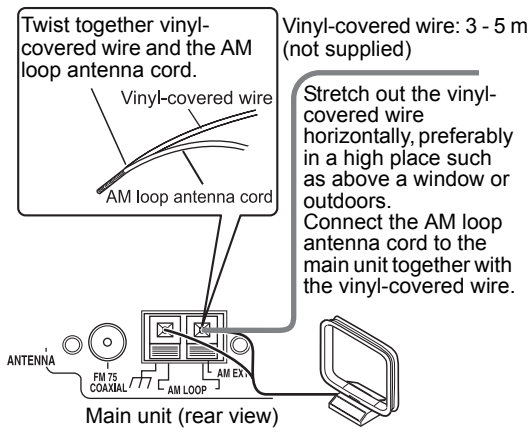
2 Connect the antenna cord.



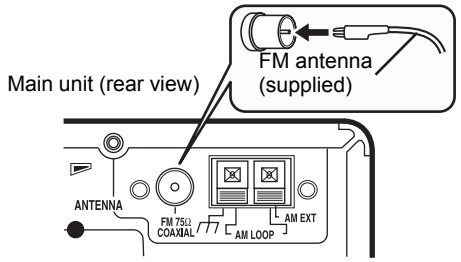
3 Turn the AM loop antenna to find the best position for radio reception.
Place the AM loop antenna as far from the main unit as possible.

- Do not place the AM loop antenna on a metallic table or close to a TV, computer, or other electric appliances. Doing so may affect radio reception.

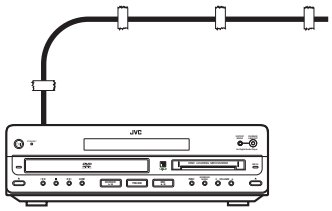
■When radio reception with the supplied AM loop antenna is poor



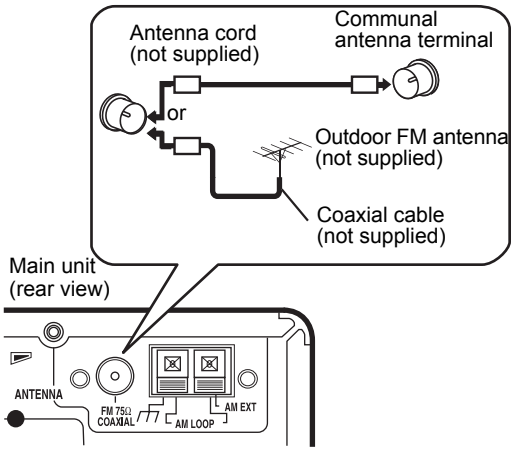
Connecting the FM antenna



Stretch out the FM antenna to the best position for radio reception, and then fix it with adhesive tape.



■When radio reception with the supplied FM antenna is poor, or when using a communal antenna



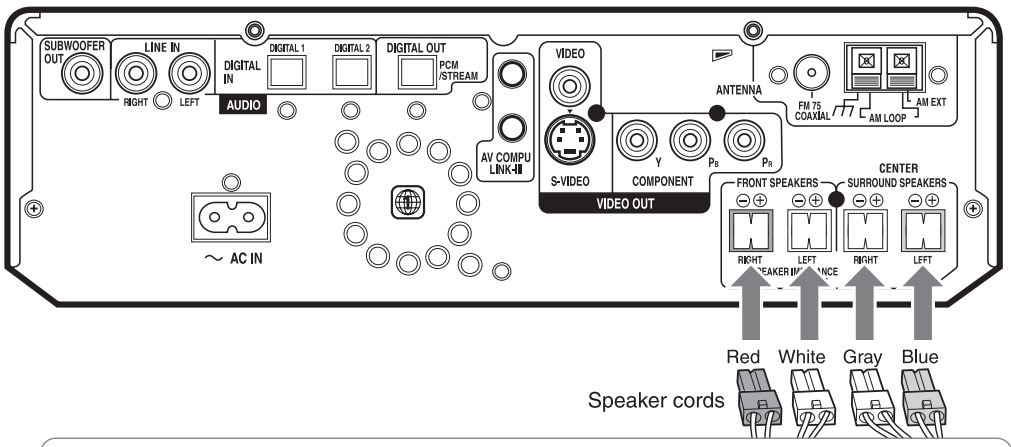
When using an antenna other than those supplied with this product, refer to the operation manuals for the antenna for details of connection.

When positioning the antennas, find the best position for reception while listening to an actual radio program (refer to "Listening to Radio Broadcasts" (☞ page 20)).

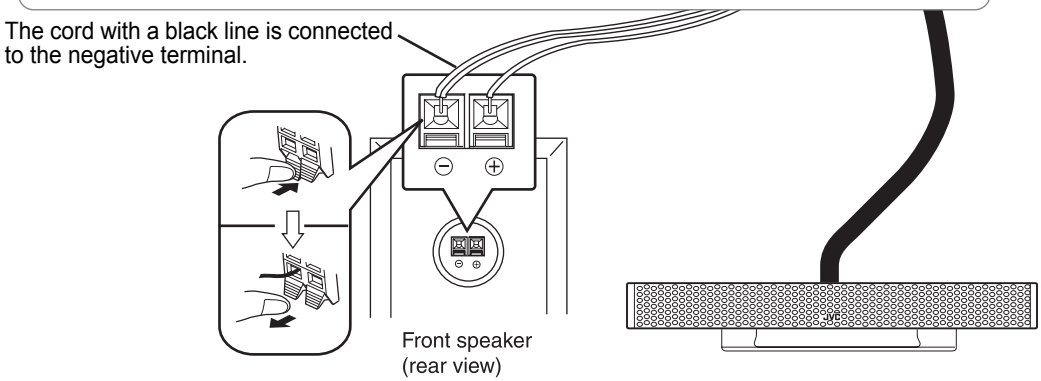
Connecting the Speakers

After connecting the speakers, gently pull on the speaker cords to make sure that they are firmly connected.

Main unit (rear view)



Connect the speaker plug to the speaker terminal of the same color.



CAUTION

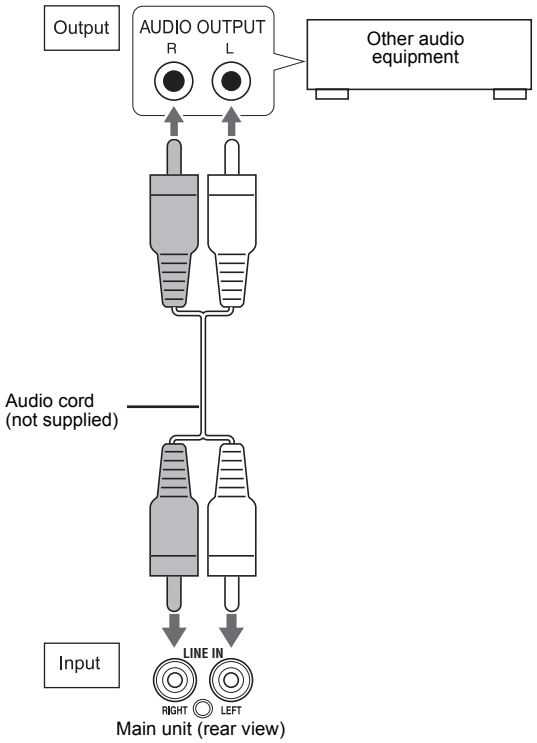
- Do not short-circuit the ⊕ and ⊖ speaker terminals. Doing so may damage the speakers.
- The front speaker cord with a black line is to be connected to the negative terminal. Properly connect the cords to the ⊕ and ⊖ speaker terminals.
- Fully insert the speaker cord plugs into the speaker terminals on the rear of the main unit.
- The speakers of this product are magnetically shielded, but color irregularities may occur on the TV depending on how the speakers are installed. Keep in mind the following.
  1. Turn off the main power of your TV before installing the speakers. Wait for about 30 minutes before turning on the TV again.
  2. If color irregularity occurs in pictures, keep a distance of more than 10 cm between the TV and the speakers.

NOTE

- Improper speaker cord connection spoils the stereo effect and sound quality.
- The impedance of speakers connected to this product must be within the range of 4 Ω to 16 Ω.
- Cooling fan is built into the main unit for emitting generated heat. The internal cooling fan automatically rotates and stops. To ensure sufficient cooling, leave a space of more than 1 cm between the main unit and the speakers or other objects.

Connecting Other Equipment

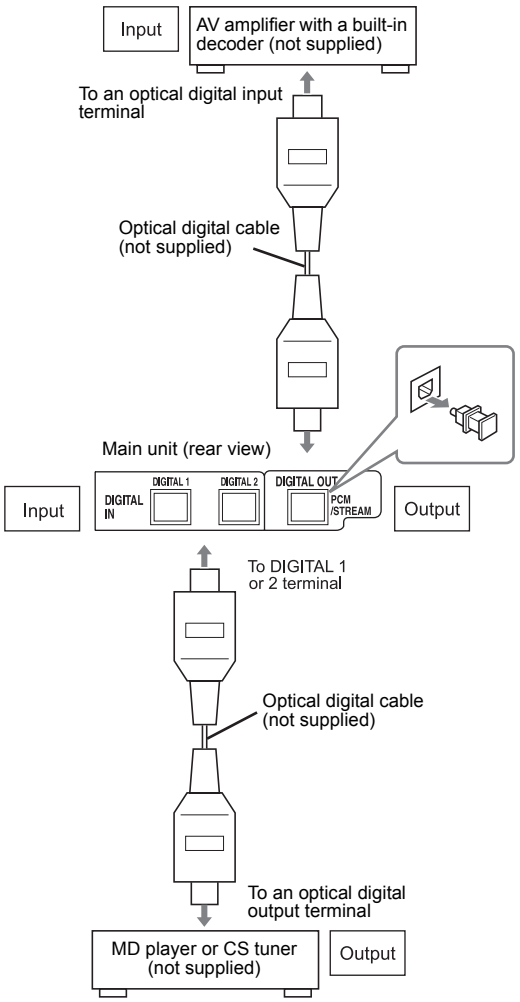
Read this section when connecting other audio equipment to this product.



CAUTION

- Before connecting other equipment, turn off both the main unit and the equipment.

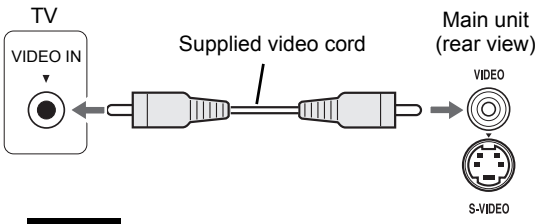
Connecting with digital equipment



CAUTION

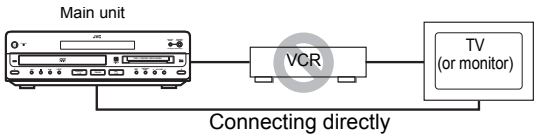
- For details of signals to be output, refer to page 42.

Connecting with a TV



CAUTION

- Connect the main unit directly with a TV (or a monitor) without routing through a VCR. Otherwise it may cause picture distortion while playing back. (Such picture distortion is caused by a copy protection system, and thus it is not a malfunction.)



Connecting directly

Also, if the main unit is connected to a TV with a built-in VCR, there may be picture distortion during playback.

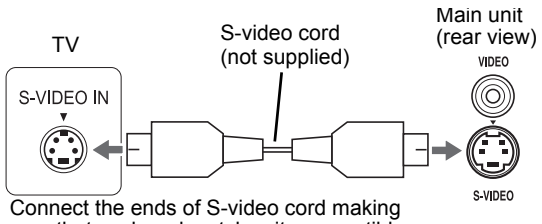
NOTE

- You need to set "MONITOR TYPE" in the "PICTURE" menu correctly according to the aspect ratio of your TV. (☞ page 41)

When a Clearer Picture Is Desired

You can enjoy pictures of better quality using the following cord instead of the supplied video cord.

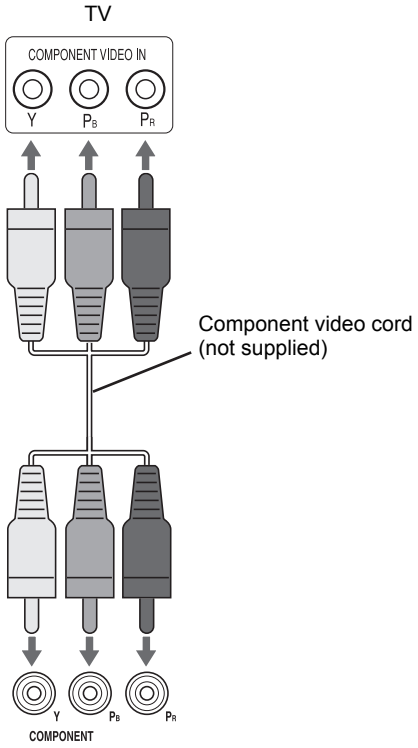
Connecting by using the S-video cord



Connect the ends of S-video cord making sure that each end matches its compatible terminal.

Connecting by using the component video cord

You can enjoy better quality pictures than when using the S-video cord.



Main unit (rear view)

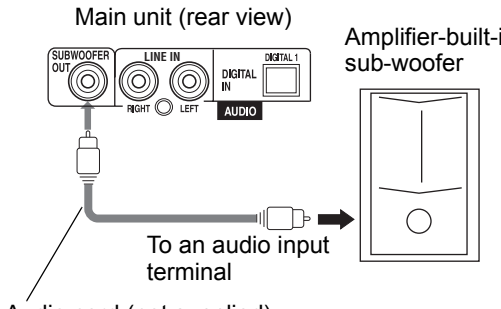
CAUTION

- Use one of either the S-video cord or the component video cord. If both cords are used, pictures may not be played back properly.

NOTE

- In order to enjoy pictures with the progressive mode (☞ page 30), the TV is required to have progressive video input.
- If the component video input jacks of your TV are BNC type, use a plug adapter (not supplied) to convert the plugs.

Connecting the Sub-woofer Equipment

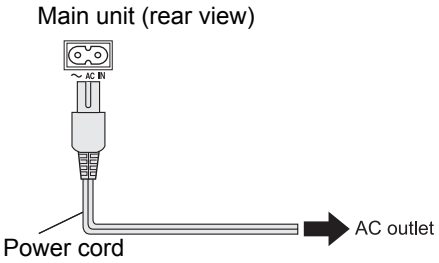


Audio cord (not supplied)
(If an audio cord comes with the amplifier-built-in sub-woofer, you can use the cord.)

NOTE

- When you connect a sub-woofer to the system, set "SUB WFR" to "ON" in "Other Settings" (☞ page 39).

Connecting the Power Cord



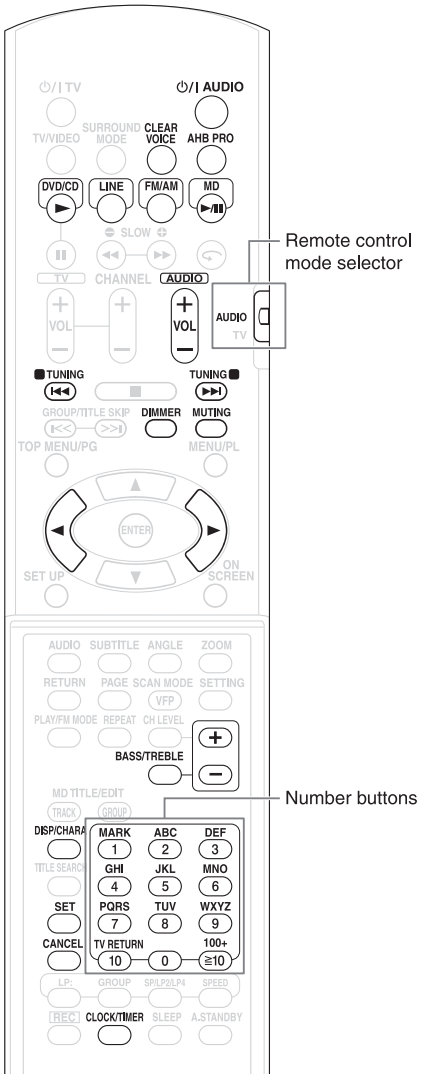
- After making all other necessary connections, connect in the power plug.
- When you insert the power cord to a plug socket, STANDBY lamp on the main unit is turned on.

NOTE

- The preset setting such as preset channels and sound adjustment may be erased in a few days in the following cases:
  - When you disconnect the power plug.
  - When a power failure occurs.

Basic Operations

This manual explains the operations assuming that you will use the remote control. Some buttons on the main unit are the same as those on the remote control. You can use either button in this case.



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.

Setting the Clock

You can set the clock while the main unit is turned either on or off.

Example: To set the clock to 10:10 a.m.

1 Press CLOCK/TIMER.



2 Set the hour.

TUNING ⏮ TUNING ⏭ **or** ◄ ►

Back Next Back Next

- Holding down the button causes the hour to increment.
- You can use the number buttons to specify the hour.
  Refer to "Using the number buttons" shown below.

Using the number buttons

Set the remote control mode selector to AUDIO before using the number buttons.

To select 1-10: Press the corresponding number button.
To select 11+: Press +10 and another number button.

Examples: 3: 3
13: ≧10 → 1 → 3
20: ≧10 → 2 → 0
23: ≧10 → 2 → 3



3 Press SET.



- To return to step 2, press CANCEL.

4 Set the minute in the same manner as steps 2 and 3.



Adjusting the clock

Press CLOCK/TIMER five times to display the clock, and then adjust the clock starting from step 2.

Displaying the clock while using the main unit

Press DISP/CHARA repeatedly.

NOTE

- The time display on the main unit is a 24-hour clock.
- The clock will gain or lose approximately 1 minute per month.
- Set the clock again after you have disconnected the power plug or a power cut has occurred.

For the locations of remote control buttons, refer to page 18.

Turning On/Off the Main Unit

Used frequently

Press ⏻/I AUDIO (or ⏻/I on the main unit).

- With the power off, pressing either button also turns on the main unit. The function assigned to the button starts working at the same time.

Remote control: DVD/CD ► LINE FM/AM MD ►/II

Main unit: DVD/CD ►/II LINE FM/AM MD ►/II ⏏

NOTE

- Cooling fan is built into the main unit for emitting generated heat. The internal cooling fan automatically rotates and stops.

Adjusting the Volume

Used frequently

Press AUDIO + VOL − .

- You can also adjust the volume by pressing − VOLUME + on the main unit.

NOTE

- You can adjust the volume within the range of 0 to 40.

Temporarily Turning Off the Sound (FADE MUTING)

Press MUTING .

- "FADE MUTING" appears and the volume reduces to "0".
- To return to the previous volume, press MUTING again.

Emphasizing Heavy Bass Sound (AHB PRO)

Press AHB PRO .

- Each time you press AHB PRO, AHB PRO function changes between "ON" and "OFF".
- While AHB PRO function is activated, "AHB PRO" is displayed in the display window.
- "AHB PRO" stands for "Active Hyper Bass PRO".

Using Clear Voice Function

Clear Voice function allows you to easily understand the dialog of DVD videos even with the volume turned down.

Press CLEAR VOICE .

- Each time you press CLEAR VOICE, Clear Voice function changes between "ON" and "OFF".
- While Clear Voice function is activated,))) is displayed in the display window.

NOTE

- This function cannot be used when the sound source is radio.
- This function is effective when the center channel signal exists with surround sound, or when the sound is set to Surround even with stereo sound (☞ page 38).
- Performing the recording operation deselects Clear Voice function.

Adjusting Bass/Treble Sound

1 Press BASS/TREBLE repeatedly to select "BASS" or "TREBLE".

2 Press ⊕ or ⊖ to adjust the sound quality.

- You can adjust the sound quality within the range of -5 to +5.
- The display returns to the sound source display in a few seconds.

Changing the Brightness of the Display Window (DIMMER)

Press DIMMER.

- Each time you press DIMMER, the display changes as follows.

DIMMER ON : The display window becomes dark.

↕

DIMMER OFF : Cancels the brightness adjustment (initial setting).

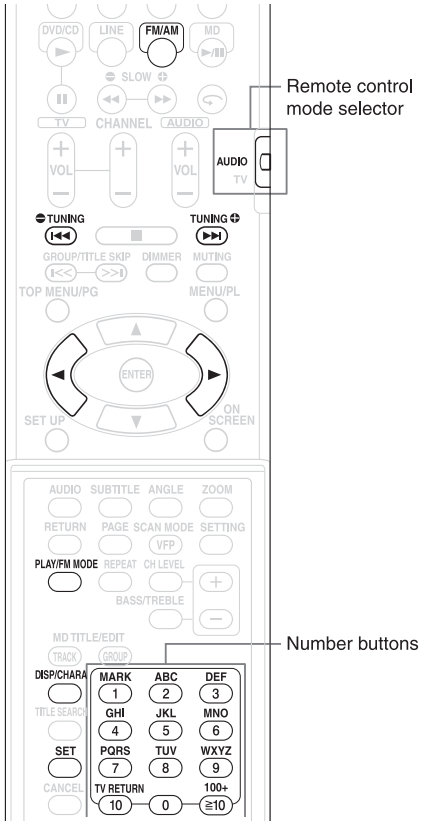
NOTE

- When the main unit is turned off, the display changes between "DISPLAY OFF" and "DISPLAY ON"

Listening to Radio Broadcasts

Used frequently

This product can receive FM and AM radio broadcasts.



CAUTION

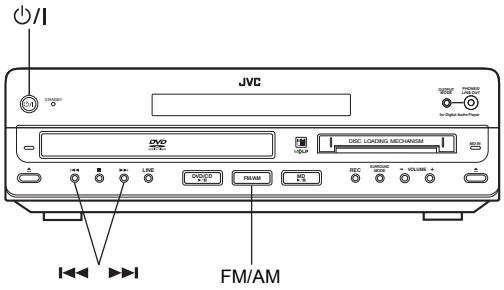
- Set the remote control mode selector to AUDIO before using the number buttons.



Setting the AM Tuner Spacing

Some countries space AM stations 9 kHz apart, and other countries use 10 kHz spacing.

On the main unit ONLY:



■When the main unit is turned off

To select 10 kHz spacing, while holding down ⏭ on the main unit, press ⏻/I on the main unit to turn on the power. "AM 10 kHz" appears in the display window.

To select 9 kHz spacing, while holding down ⏮ on the main unit, press ⏻/I on the main unit to turn on the power. "AM 9 kHz" appears in the display window.

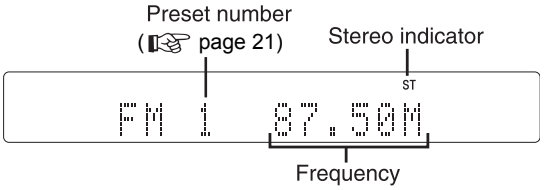
NOTE

- If the spacing is switched, the memory in which the radio stations were stored will be erased.

Selecting a Radio Station

1 Press FM/AM repeatedly to select "FM" or "AM".

Example: Display while an FM radio broadcast is received



2 Press TUNING ⏮ or TUNING ⏭ repeatedly to select a radio station (frequency).

- You can also select a radio station using the automatic tuning.

Automatic tuning:

Hold down TUNING ⏮ or TUNING ⏭ until the frequency starts changing, and then release the button.
When the main unit has received a broadcast, the frequency automatically stops changing.
To quit the function while searching for a broadcast, press TUNING ⏮ or TUNING ⏭.

- When the main unit has received an FM stereo broadcast, "ST" lights up.

NOTE

- If an FM stereo broadcast is difficult to hear because of noise, you may be able to hear more easily by pressing PLAY/FM MODE to switch the sound to monaural reception. In this case, "MONO" lights up. To return the sound to stereo reception, press PLAY/FM MODE again or select another FM radio station.

For the locations of remote control buttons, refer to page 20.

Storing Radio Stations (Preset)

You can store up to 30 FM radio stations and up to 15 AM radio stations.

■While the broadcast from the radio station you want to preset is being received

1 Set the remote control mode selector to AUDIO.



2 Press SET.

• "SET" flashes for approximately 5 seconds.

3 While "SET" is flashing, press the number buttons (MARK 1 - TV RETURN 10, 0 or 100+ ≧10) to select the preset number you want to use.

• Refer to "Using the number buttons" (☞page 18).

4 While the selected number is flashing, press SET.

• "STORED" appears and the selected radio station is stored.

NOTE

• When you store a radio station to a preset number to which another radio station has previously been stored, the newly set radio station replaces the previously stored radio station.

Tuning in to a Preset Radio Station

■While an FM or AM broadcast is being received

1 Set the remote control mode selector to AUDIO.



2 Use the number buttons to select the preset number of the radio station to which you want to tune in.

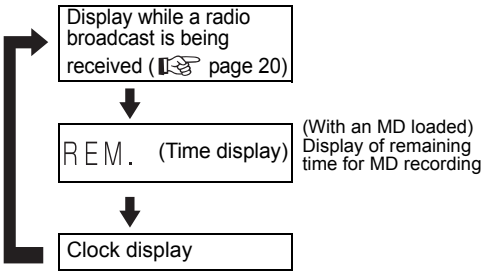
• Refer to "Using the number buttons" (☞ page 18).

• You can also select the preset number by pressing ◄ or ►.

Changing the Display in the Display Window

Press DISP/CHARA.

• Each time you press DISP/CHARA, the display changes as follows.



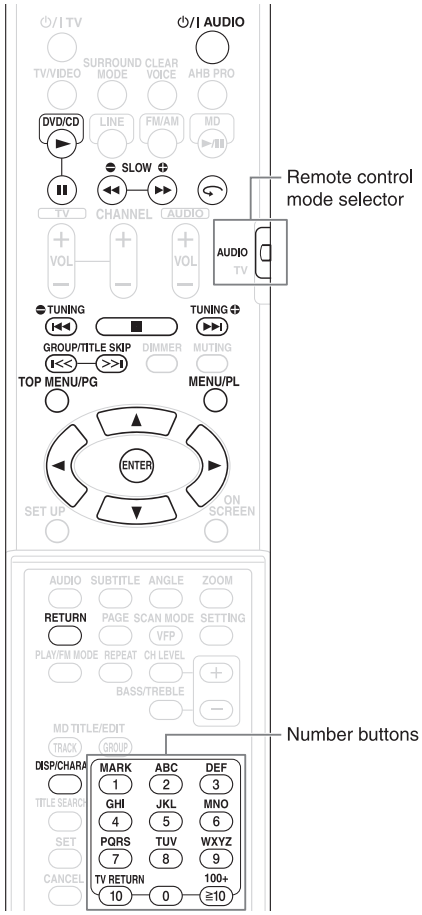
Basic Operations of the DVD Player

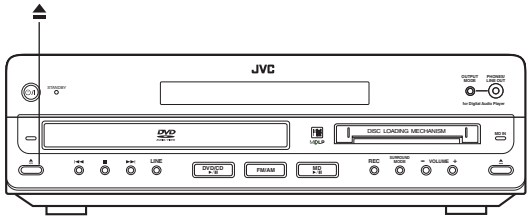
How to read this manual

- Operations are described by mainly using the remote control buttons. If there are the same marks on the main unit, the buttons on the main unit can also be used.
- The following marks tell you for which type of the discs the operation can be made.

DVD VIDEO | DVD AUDIO | DVD VR | VCD SVCD | CD | MP3 WMA | JPEG | ASF | DivX

- The illustrations and TV screens may be different between the actual case and the description.
- "VCD" stands for "Video CD".
- "SVCD" stands for "Super Video CD".





CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



Playback

Used frequently

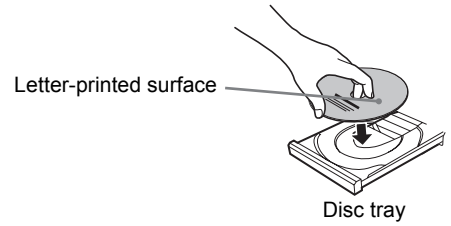
DVD VIDEO | DVD AUDIO | DVD VR | VCD SVCD | CD

(Refer to page 36 for playing back MP3/WMA/JPEG/ASF and DivX.)

1 Press ⏏ (left) on the main unit.

- The disc tray comes out.

2 Place a disc on the disc tray.



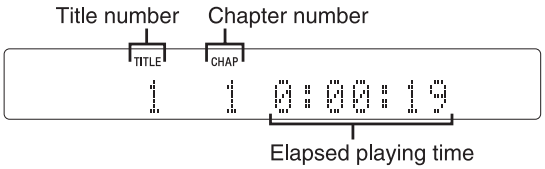
- When you want to listen to an 8 cm disc, place it on the inner hollow of the disc tray.

3 Press DVD/CD ▶.

- When the disc is loaded, DISC IN lamp on the main unit lights red.

■Display for DVD VIDEO

Display while a DVD VIDEO is being played back:

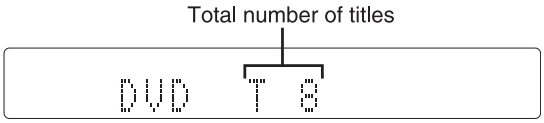


Display while the DVD VIDEO is stopped:

- While resume function (☞ page 25) is on.



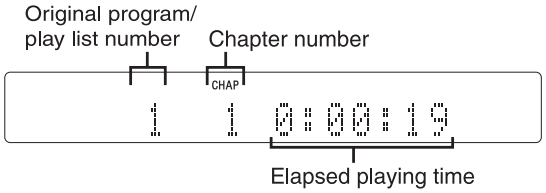
- While resume function (☞ page 25) is off.



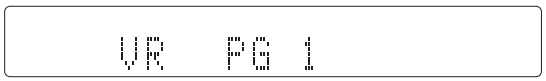
(Continued on next page)

■Display for a DVD VR

Display while a DVD VR is being played back:

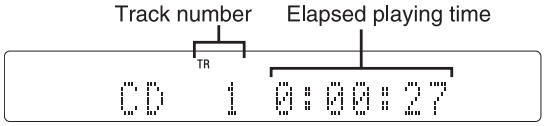


Display while a DVD VR is stopped:

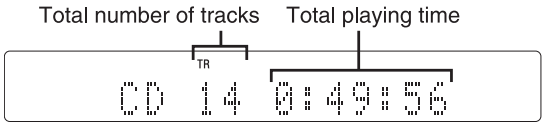


■Display for CD

Display while a CD is being played back:

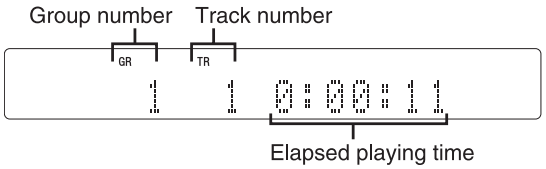


Display while the CD is stopped:

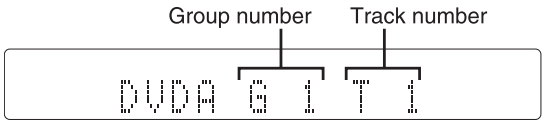


■Display for DVD AUDIO

Display while a DVD AUDIO is being played back:

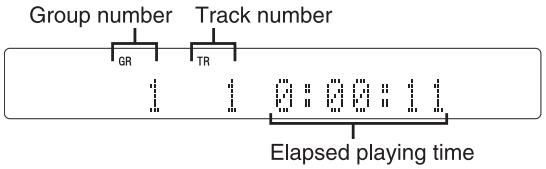


Display while the DVD AUDIO is stopped:

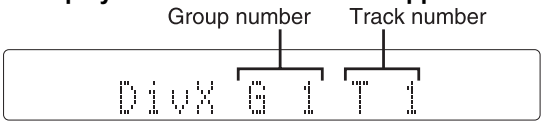


■Display for ASF/DivX

Display while an ASF/DivX is being played back:

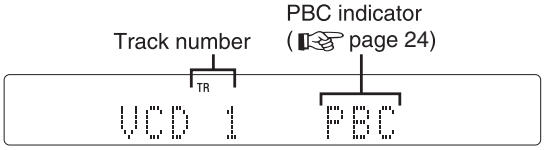


Display while the ASF/DivX is stopped:



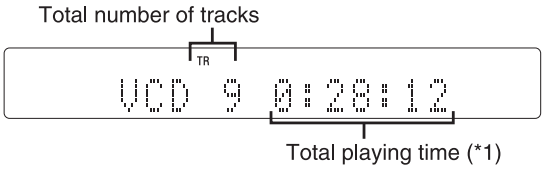
■Display for VCD/SVCD

Display while a VCD/SVCD is being played back:



• PBC indicator is displayed while PBC is activated.

Display while the VCD/SVCD is stopped:



*1 "PBC" will appear when the disc is PBC-compatible.

NOTE

- The menu may appear in the display window after DVD playback starts. In such a case, select the desired menu item by using the following buttons on the remote control.
  - Select a menu item with ▲, ▼ or ◄►, and then press ENTER.
  - Select a menu item with the number buttons.
- Operation may differ from the explanation given here, depending on the disc type.

Messages displayed on the TV screen

While a DVD is selected as the sound source, the messages shown below are displayed, depending on the status.

NOW READING
The main unit is reading the disc. Wait for a while.

REGION CODE ERROR!
The disc cannot be played back because its region code is not compatible. (☞ page 4)

NO DISC
No disc is loaded.

OPEN
The disc tray is opening.

CLOSE
The disc tray is closing.

CANNOT PLAY
You are trying to play back an unplayable disc.

Guide icons temporarily displayed on the TV screen (on-screen guide)

: Play (☞ page 22)
: Pause (☞ page 25)
: Fast reverse/Fast forward search (☞ page 25)
: Slow motion playback (reverse/forward directions)(☞ page 26)
: Containing multi-angle views (☞ page 29)
: Containing multi-audio (☞ page 28)
: Containing multi-subtitle (☞ page 28)
: The disc cannot accept the operation you have attempted.

PBC (Playback control)

- PBC is a signal recorded in a VCD (version 2.0) for controlling VCD playback. You can operate software that has interactive or search functions using the menu display recorded in a PBC-compatible VCD.

■To play back a VCD without PBC, follow the operation below.

- Select the desired track number with the number buttons while playback is stopped.
- While playback is stopped, press TUNING ⏮ or TUNING ⏭ to select the desired track number, and then press DVD/CD ▶.

■To play back a VCD with PBC, follow the operation below.

- Press TOP MENU/PG or MENU/PL during playback. Or, press ■ once (when Resume function is on, press twice) and then press DVD/CD ▶. The display window of the main unit shows "PBC".
- While a VCD or SVCD is being played back, press RETURN to return to the higher menu group.

Changing the Display in the Display Window

Press DISP/CHARA.

- Each time you press DISP/CHARA, the display changes as follows.

■While a disc is being played back or stopped

Display while a disc is being played back or stopped (☞ pages 22 and 23)
↓
REM. (Time display) — (With an MD loaded) Display of remaining time for MD recording
↓
Clock display
↑ (back to the top)

Playing Back from a Position 10 Seconds Before (One Touch Replay)

DVD VIDEO DVD VR

■While a disc is being played back

Press ↺.

NOTE

- This operation may not be carried out for some discs.
- You cannot return to the previous title.

Stopping Playback

Used frequently

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■While a disc is being played back

Press ■.

Resuming Playback (RESUME)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD MP3 WMA ASF DivX

When playback is stopped in the middle, playback can be started from the stopped scene.

How to suspend playback

■While a disc is being played back

Perform any of the following operations during playback.

Press ■ once.*
Press ⏻/I AUDIO to turn off the power.
Change the source to FM/AM, LINE or MD.*

* Even if the power is turned off by pressing ⏻/I AUDIO after this, the position where playback has been stopped will be stored.

How to start playback from the stored position

Press DVD/CD.

NOTE

- This function does not work in program playback or random playback.
- The position where playback starts again may be a little different from the stopped position.
- When a disc menu is displayed, the resume function may not work.
- The audio, the subtitle and the angle at that time are stored as well as the stopped position.
- The stored position will be cleared if the disc tray is opened. Further, if ■ is pressed during playback, "RESUME" appears. If ■ is pressed at this time, "RESUME" will disappear and the stored information will be cleared.
- **Resume function is set to on as the initial preset. You can set the function to off (☞ page 42).**

Pausing Playback

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■While a disc is being played back

Press ⏸.

To resume normal playback, press DVD/CD.

- Playback cannot be paused by pressing DVD/CD ►II on the main unit during JPEG disc slide-show.

Advancing Picture Frame by Frame

DVD VIDEO DVD VR VCD SVCD DVD AUDIO ASF DivX
(only for moving images)

■While a disc is paused

Press ⏸.

- Each time you press ⏸, picture will be advanced frame by frame.
- You cannot operate this function with DVD/CD ►II on the main unit.

Fast Reverse/Fast Forward Search

Used frequently

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA ASF DivX

There are two methods.

■While a disc is being played back

Press SLOW ◄◄ or SLOW ►►.

- Each time you press SLOW ◄◄ or SLOW ►►, the speed increases as shown below.

  ×2 ➡ ×5 ➡ ×10 ➡ ×20 ➡ ×60

- To restore the normal speed, press DVD/CD.

Hold down TUNING ⏮ or TUNING ⏭.

- Fast reverse/fast forward search can be carried out only while the button is pressed.

NOTE

- For a DVD VIDEO, SVCD or VCD, no sound comes out during fast reverse/fast forward search.
- For a CD or DVD AUDIO, sound is intermittent during fast reverse/fast forward search.

Slow Motion Playback

DVD VIDEO DVD VR VCD SVCD DVD AUDIO (only for moving images)

■While a disc is paused

Press SLOW ◀◀ or SLOW ▶▶.

- Each time you press SLOW ◀◀, the speed increases as shown below.
  $^1/_{32}$ ➡ $^1/_{16}$ ➡ $^1/_8$ ➡ $^1/_4$ ➡ $^1/_2$
- Press ⏸ to pause playback, and press DVD/CD ▶ to resume normal playback.

NOTE

- No sound will be produced.
- The picture motion in the reverse direction may not be smooth.
- For a VCD or SVCD, slow motion playback can be carried out in the forward direction only.

Skipping to the Beginning of a Track

Used frequently

DVD VIDEO DVD AUDIO DVD VR VCD SVCD (PBC off) CD MP3 WMA JPEG ASF DivX

■While a disc is being played back

Press TUNING ⏮ or TUNING ⏭.

- Each time you press TUNING ⏮, the current chapter/track/file skips to the beginning of the previous chapter/track/file.
- Each time you press TUNING ⏭, the current chapter/track/file skips to the beginning of the next chapter/track/file.
- Press GROUP/TITLE SKIP |<< or GROUP/TITLE SKIP >>| to select a title or group.

NOTE

- Except for a DVD VIDEO, this operation can also be carried out while the disc is stopped.
- This operation may not be carried out for some discs.

Skipping to the Beginning of a Track with the Number Buttons

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.



2 Press the number buttons (MARK 1 - TV RETURN 10, 0 or 100+ ≧10) to select the track/chapter you want to listen to.

- Refer to "Using the number buttons" (☞ page 18).

NOTE

- You can operate a VCD or SVCD while the disc is stopped or played back with PBC off.
- You can operate a DVD AUDIO, CD, MP3, WMA, or JPEG while the disc is either played back or stopped.
- This operation may not be carried out for some discs.

Selecting a Track from the Menu Screen

DVD VIDEO DVD AUDIO DVD VR VCD SVCD (PBC off) DivX

■While a disc is stopped or being played back*

1 Set the remote control mode selector to AUDIO.



2 Press MENU/PL ◯ or TOP MENU/PG ◯.

- A menu screen of the disc appears.
- Only TOP MENU/PG ◯ can be used for DVD AUDIOs.

3 Press ▲ ▼ ◀ ▶ (only for a DVD VIDEO or a DVD AUDIO) or the number buttons to select a track you want to listen to.

- Refer to “Using the number buttons” (☞ page 18).
- If there are two or more pages of menu screen, press TUNING ⏮ or TUNING ⏭ to change the pages (only for a VCD or SVCD).

4 Press ENTER.

NOTE

- You cannot perform this function with discs to which a menu screen is not recorded.
- Some disc may start playback even if you do not press ENTER.

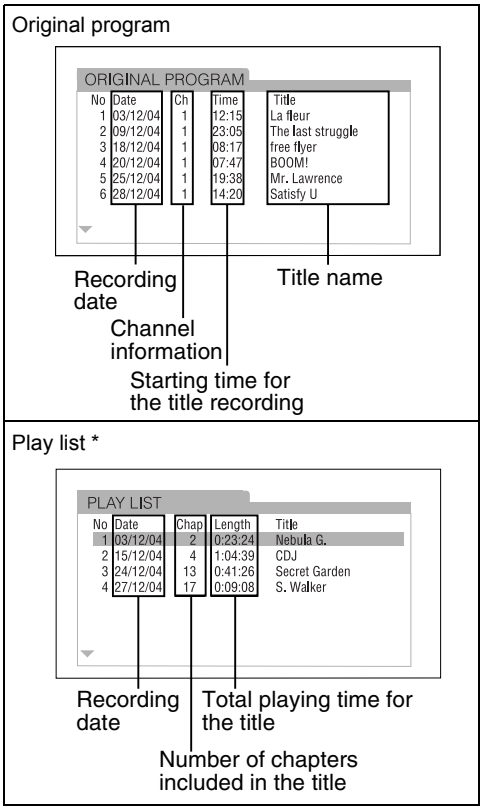
For the locations of remote control buttons, refer to page 22.

Using the Menu Screen for DVD VRs

■While a disc is stopped or being played back

1 Press TOP MENU/PG to display the original program or press MENU/PL to display the play list.

Example



* A play list will appear only when it has been recorded in the disc.

2 Press ▲ ▼ to select the desired title.

3 Press ENTER.

- When you have selected the original program, playback will start from the selected title to the following titles.
- When you have selected the play list only the selected title will be played back.

Skipping at about 5 minute intervals

DivX

You can skip within a file at about 5 minute intervals.
This is useful especially when you want to skip within a long file.

■When a disc is played back

1 Set the remote control mode selector to AUDIO.



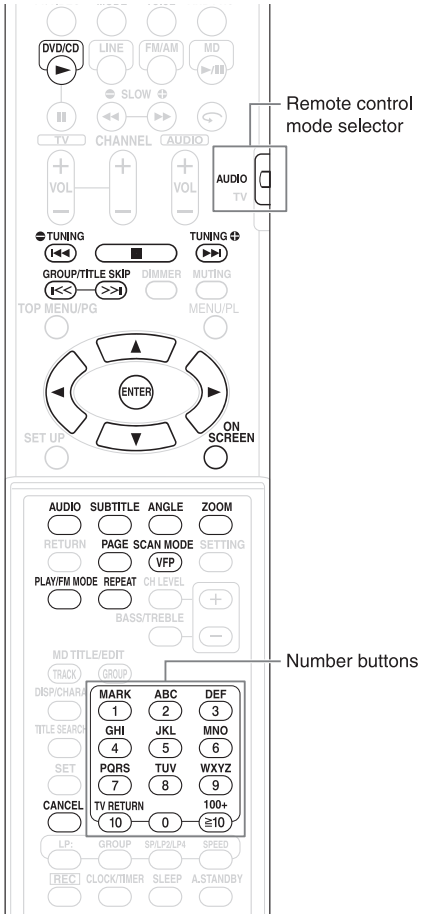
2 Press ◄ or ►.

- Each time you press the button, the playback position skips to the beginning of the previous or next interval. Each interval is about 5 minutes.

NOTE

- Intervals are automatically assigned from the beginning of a file.
- You can use this function only within the same file.
- You cannot use this function for some discs.

Convenient Functions of the DVD Player



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



Selecting the Audio Language

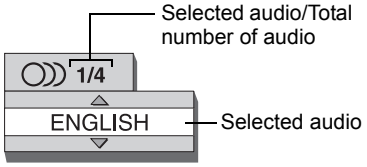
Used frequently

DVD VIDEO DVD AUDIO DVD VR VCD SVCD DivX

■While a disc containing two or more audio is being played back

1 Press AUDIO.

Example: TV screen



- Each time you press AUDIO, the audio will be changed. The audio can also be changed by pressing ▲ ▼.

2 Wait for a few seconds or press ENTER.

NOTE

- You can also operate this function by using the menu bar (☞ page 34).
- For a language code such as "AA", refer to "Language Codes" (☞ page 43).
- When 2 channel sounds are recorded in 1/2 and multi channel sounds with down-mix prohibited are recorded in 2/2 in a DVD AUDIO, you can select 1/2 only.
- For a DivX disc, only the number of the language is displayed on the TV screen.

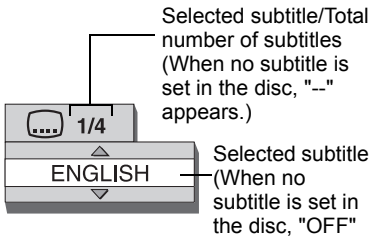
Selecting the Subtitle Language

DVD VIDEO SVCD DVD AUDIO DivX
(only for moving images)

■While a disc containing two or more subtitles is being played back

1 Press SUBTITLE.

Example: TV screen



2 Press ▲ ▼ to select a subtitle.

3 Wait for a few seconds or press ENTER.

NOTE

- You can also operate this function by using the menu bar (☞ page 34).
- For an SVCD, each time you press SUBTITLE in step 1, the subtitle type and ON/OFF will be changed.
- For a language code such as "AA", refer to "Language Codes" (☞ page 43).
- The manner of displaying subtitles may be different depending on the disc.

Canceling the subtitle

Press SUBTITLE to select "OFF".

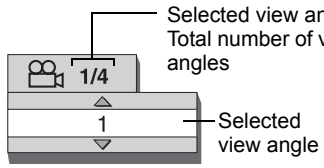
Selecting a View Angle

DVD VIDEO DVD AUDIO (only for moving images)

■While a disc containing two or more view angles is being played back

1 Press ANGLE.

Example: TV screen



• Each time you press ANGLE, the angle will be changed. The angle can also be changed by pressing ▲ ▼.

2 Wait for a few seconds or press ENTER.

NOTE

• You can also operate this function by using the menu bar (☞ page 34).

Magnifying the Picture (ZOOM)

DVD VIDEO DVD VR VCD SVCD JPEG DVD AUDIO ASF DivX (only for moving images)

■While a disc is played back or paused

1 Press ZOOM.

• Each time you press ZOOM, the picture magnification will be changed (OFF, ZOOM1 - 6).
• When a JPEG disc is used, the picture magnification changes through "ZOOM 1", "ZOOM 2" to "OFF". You cannot change the picture magnification during slide-show playback.

2 Select the portion you want to see by pressing ▲ ▼ ◄ ►.

CAUTION

• When you magnify a picture, image quality may be deteriorated or image may be distorted.
• (Only for a DVD AUDIO) Zoom operation is disabled when a still picture is displayed.
• You may not be able to use zoom operation on some discs.

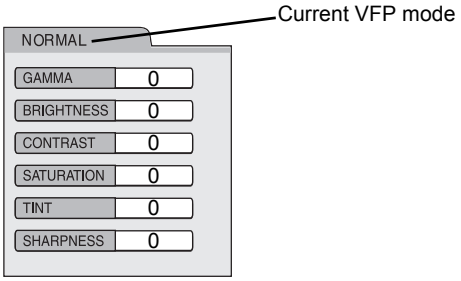
Adjusting the Picture Quality (VFP)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD JPEG ASF DivX

■While a disc is played back or paused

1 Press SCAN MODE (VFP).

Example: TV screen



2 Press ◄ ► to select VFP mode.

NORMAL : For normal playback. (You cannot adjust the image quality.) → Go to step 7.
CINEMA : Suitable when viewing a movie in a dim room. (You cannot adjust the image quality.) → Go to step 7.
USER1/USER2: You can adjust the image quality. → Go to step 3.

3 Press ▲ ▼ to select an item you want to adjust.

Setting items

GAMMA : Controls the brightness of neutral tints while maintaining the brightness of dark and light portions. (Setting range: **–3 - +3**)
BRIGHTNESS : Controls the brightness of the display. (Setting range: **–8 - +8**)
CONTRAST : Controls the contrast of the display. (Setting range: **–7 - +7**)
SATURATION : Controls the saturation of the display. (Setting range: **–7 - +7**)
TINT : Controls the tint of the display. (Setting range: **–7 - +7**)
SHARPNESS : Controls the sharpness of the display. (Setting range: **–8 - +8**)

4 Press ENTER.

Example:



5 Press ▲ ▼ to change the value.

6 Press ENTER.

- To adjust other items, go back to step **3**.

7 Press SCAN MODE (VFP).

NOTE

- If no operation is made for several seconds during the procedure, the settings made so far will be automatically stored.
- "VFP" stands for "video fine processor".

Enjoying Better Pictures (SCAN MODE)

In the progressive mode, you can enjoy better pictures. The video system can be selected from PAL and NTSC.

CAUTION

- In order to enjoy pictures in the progressive mode, the following requirements should be met.
  - There must be component video input terminals on the TV set connected to the main unit.
  - The main unit and the TV set must be connected using a component video cord (☞ page 16).

  When the above requirements are not satisfied, leave the main unit in the Interlace mode. If the progressive mode is set, pictures may be distorted.

■While the disc is stopped

1 Hold down SCAN MODE (VFP) for two or more seconds.

2 Press ► or ◄ to select "NTSC", "NTSC PROG.", "PAL" or "PAL PROG.".

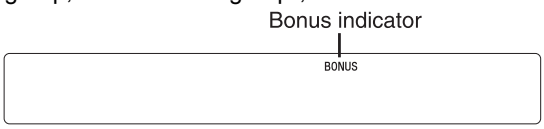
3 Press ENTER.

- It returns to sound source display.
- When the progressive mode is selected, the display window shows "PROGRESSIVE".

Playing Back the Bonus Group

DVD AUDIO

There are some DVD AUDIO discs with a special group, called "bonus group", recorded.



- This operation can be carried out when "BONUS" is lit in the display window on the main unit.

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.



2 Press GROUP/TITLE SKIP (>>|) repeatedly during playback to select a bonus group.

- "KEY_ _ _ _" appears on the TV screen and in the display window on the main unit.

3 Press the number buttons to enter a pin code (4 digits).

- The method of getting a pin code is different depending on the disc.

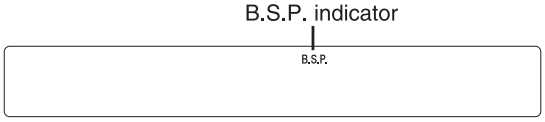
4 Press ENTER.

- When a correct pin code is entered, "BONUS" disappears and the playback of the bonus group starts.
- If an incorrect pin code is entered, try entering a correct pin code again.

Browsable Still Pictures (B.S.P.)

DVD AUDIO

There are some DVD AUDIO discs with still pictures recorded. Among the still pictures, there are pictures called B.S.P. (browsable still pictures). You can change these pictures as if turning over pages.



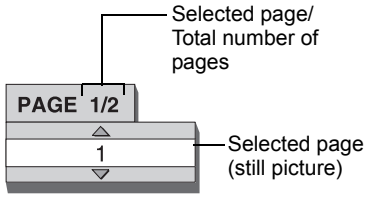
- This operation can be carried out when "B.S.P." is lit in the display window on the main unit.

■While a disc is being played back

1 Press PAGE.

- Each time you press PAGE, the still picture will be switched over.
- You can also change the pictures by pressing ▲ ▼.

Example: TV screen



2 Wait for a few seconds or press ENTER.

NOTE

- You can operate this function on the menu bar (☞ page 34).

Playing Back the Disc in the Desired Order (Program Playback)

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

You can program a maximum of 99 chapters or tracks. You can program the same chapter or track more than once.

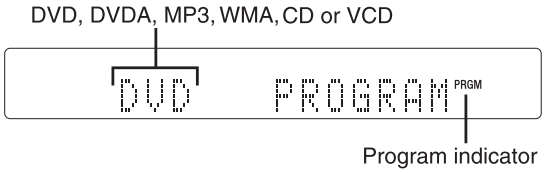
■While a disc is stopped

1 Set the remote control mode selector to AUDIO.

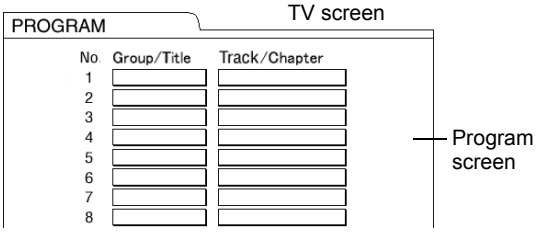


2 Press PLAY/FM MODE to select "PROGRAM".

■Display for DVD VIDEO/DVD AUDIO/MP3/WMA/CD/VCD/SVCD



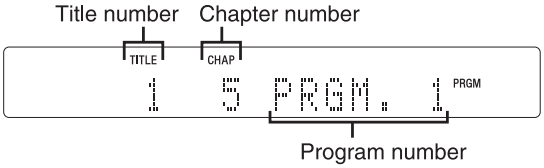
Example: For DVD VIDEO



3 Press the number buttons (MARK 1-TV RETURN 10, 0 or 100+ ≧10) to program chapters/tracks.

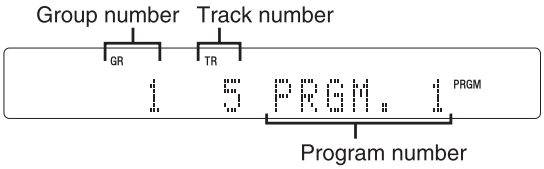
■Display for DVD VIDEO

• Select a title number, and then select a chapter number.



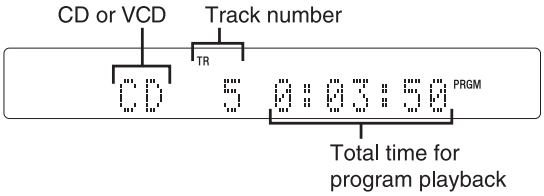
■Display for DVD AUDIO/MP3/WMA

• Select a group number, and then select a track number.



■Display for CD/VCD/SVCD

• Select a track number.



Example: For DVD VIDEO

TV screen

PROGRAM

No.	Group/Title	Track/Chapter
1	1	5
2		
3		
4		
5		
6		
7		
8		

• Refer to "Using the number buttons" (☞ page 18).
• Before selecting a bonus group of a DVD AUDIO, cancel the "BONUS" display as explained in "Playing Back the Bonus Group" on page 30.
• When you try to enter more than 99 chapters or tracks, "MEMORY FULL" appears.

4 Press DVD/CD ►.

NOTE

• You can set tracks from either a disc or MD in a program playback setting.

Confirming programmed content

While playback is stopped, press TUNING ⏮ or TUNING ⏭ repeatedly.

• During this operation, you can add a track as the last in the program (☞ step 3), or erase the last track. To erase the last track, press CANCEL.

Canceling program playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "PROGRAM".

• This operation does not erase the programmed content.

Erasing the whole program

While playback is stopped, hold down CANCEL.

NOTE

• Ejecting the disc or turning off the main unit also erases the programmed content. This operation also cancels program playback.

For the locations of remote control buttons, refer to page 28.

Random Playback

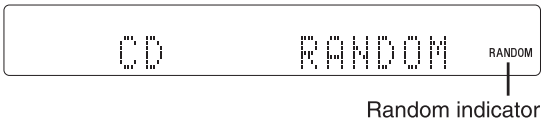
DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

You can listen to tracks or chapters in random order.

■ While playback is stopped

1 Press PLAY/FM MODE repeatedly to select "RANDOM".

Example: For CD



Random indicator

• "RANDOM" appears in the TV screen.

2 Press DVD/CD.

NOTE

- You can set tracks in random playback from either a disc or MD.
- Pressing TUNING repeatedly does not return playback to the previous track.
- Each track is played back once.

Canceling random playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "RANDOM".

NOTE

- Ejecting the disc or turning off the main unit also cancels random playback.

Repeat Playback

DVD VIDEO DVD AUDIO DVD VR VCD SVCD (PBC off) CD MP3 WMA JPEG ASF DivX

■ While a disc is being played back

Press REPEAT.

• Each time you press REPEAT, the repeat type will be changed (The repeat type differs depending on the disc type).

Display on the TV screen	Display in the display window on the main unit	Repeat types
TITLE	REPEAT TITLE ALL	Repeats the current title
ALL or REPEAT ALL	REPEAT ALL ALL	Repeats all tracks*1
GROUP*2 or REPEAT GROUP	REPEAT GR GROUP*2	Repeats the current group*3
CHAP*4	REPEAT CHAP*4	Repeats the current chapter
TRACK*4 or REPEAT TRACK	REPEAT TRACK*4	Repeats the current track
OFF or no display	REPEAT OFF	Cancels repeat

*1 During the program playback, all programs are repeated.

*2 While the original program of a DVD VR is played back, "PG" is displayed. While the play list of a DVD VR is being played back, "PL" is displayed.

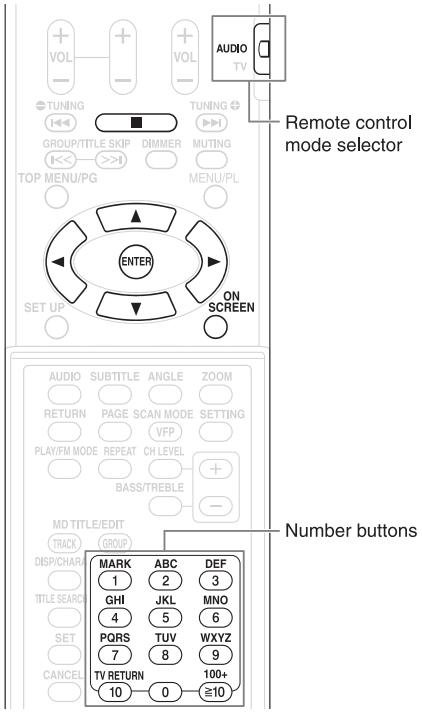
*3 The current title is repeated for a DVD VR.

*4 "STEP" is displayed during program playback or random playback.

NOTE

- You can also operate this function on the menu bar except when using this function with an MP3,WMA or JPEG disc (☞ page 34).
- The repeat mode will be automatically cancelled if there is a file that cannot be played back.
- For details on A-B repeat (repeat playback of a designated part), refer to page 35.

Status Bar and Menu Bar



DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD ASF DivX

You can display the status bar and menu bar on the TV screen, and can control discs with the bars.

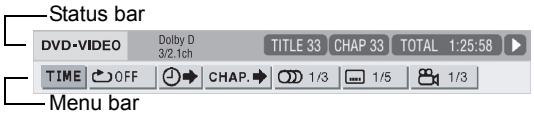
CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.

Using the Status Bar and Menu Bar

■While a disc is being played back

1 Press ON SCREEN twice.



- The above is an example for a DVD VIDEO.

2 Press ◄ ► to select an item you want to operate.

3 Press ENTER.

- You can set the selected function. For the setting items, refer to the following "Function list".
- The currently active function shows blue.
- To cancel the menu bar, press ON SCREEN.

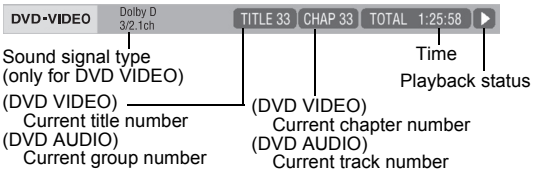
Function list

Press ▲ ▼ to select, and press ENTER to determine unless otherwise noted.

TIME Time display selection	Changes time information displayed in the display window on the main unit and the status bar. Each time ENTER is pressed, the display will be changed. **DVD VIDEO/DVD AUDIO** TOTAL : Elapsed playing time of current title/group T.REM : Remaining time of current title/group TIME : Elapsed playing time of current chapter/track REM : Remaining time of current chapter/track **DVD VR** TOTAL : Elapsed playing time of original program/play list T.REM : Remaining time of original program/play list **CD/VCD/SVCD** TIME : Elapsed playing time of current track REM : Remaining time of current track TOTAL : Elapsed playing time of disc T.REM : Remaining time of disc
OFF Repeat mode	page 33
Time search	page 35
CHAP. / TRACK Chapter search/ Track search	**DVD VIDEO/DVD AUDIO** Selects a chapter/track. Press the number buttons to enter the chapter/track number and press ENTER. Examples: 5: 5 24: 2 → 4
1/3 Audio	**DVD VIDEO/DVD AUDIO/VCD/SVCD** page 28
1/ 5 Subtitle	**DVD VIDEO/DVD AUDIO/SVCD** page 28
1/3 View angle	**DVD VIDEO/DVD AUDIO** page 29
PAGE -/- Page switch	**DVD AUDIO** Switches the still pictures (B.S.P.) recorded on a DVD AUDIO disc. page 31

Information displayed on the status bar

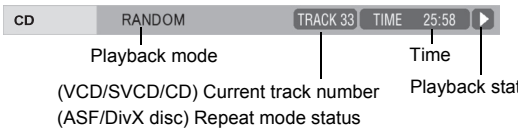
DVD VIDEO/DVD AUDIO (the example below is for a DVD VIDEO)



(Continued on next page)

For the locations of remote control buttons, refer to page 34.

VCD/SVCD/CD/ASF/DivX (the example below is for a CD)



NOTE

- The playback status mark has the same meaning of the mark on the on-screen guide (☞ page 24).

Playing Back the Designated Part Repeatedly (A-B Repeat Playback)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD
(PBC off)

■While a disc is being played back

1 Press ON SCREEN twice.
- The menu bar (☞ page 34) appears.

2 Press ◄ ► to select ↻ OFF.

3 Press ENTER.

4 Press ▲ ▼ to select A–B.

5 Press ENTER at the starting point of the part to be repeated (designating A point).
- The icon on the menu bar will be ↻ A-.

6 Press ENTER at the end of the part to be repeated (designating B point).
- The icon on the menu bar will be ↻ A-B.

"⊆ A-B" appears in the display window on the main unit and the part between A and B points is played back repeatedly.

Canceling A-B repeat playback

- To cancel A-B repeat playback:
  - Press ■.
  - With ↻ A-B being highlighted, press ENTER twice.
    (Select ↻ OFF.)

NOTE

- A-B repeat playback is possible only within the same title or track. A-B repeat playback cannot be carried out during PBC playback, program playback, random playback and repeat playback.

Designate the Time (Time Search)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD
(PBC off)

■While a disc is being played back

1 Set the remote control mode selector to AUDIO.



2 Press ON SCREEN twice.
- The menu bar appears (☞ page 34).

3 Press ◄ ► to select 🕘➡.

4 Press ENTER.

5 Enter the time using the number buttons (1-9, 0).

Example: When you want to play back a disc from the position of (0 hour) 23 minutes 45 seconds, press the buttons in the order:

0 → 2 → 3 → 4 → 5

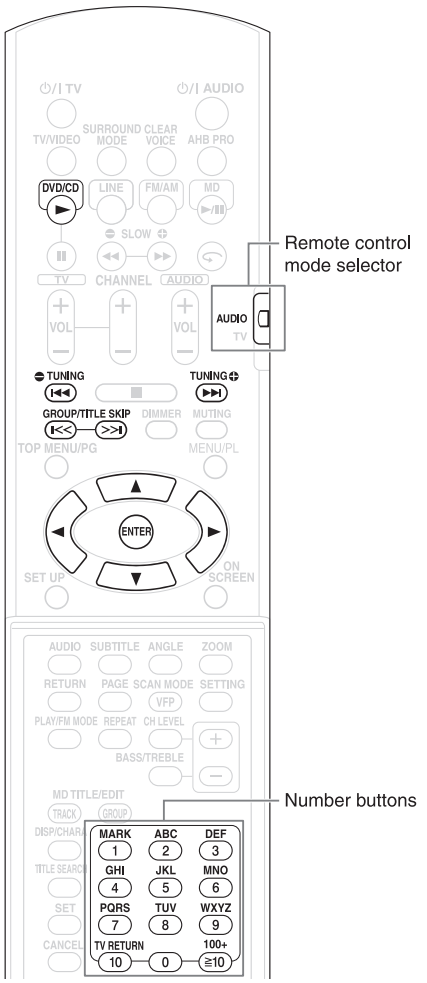
- You can skip entering "minutes" and "seconds".
- If you enter wrong numbers, press ◄ to delete the numbers, and then enter the numbers again.

6 Press ENTER.
- To delete the menu bar, press ON SCREEN.

NOTE

- You may not be able to operate this function depending on the disc.
- This function does not work during program playback or random playback.
- For a CD, this operation can always be carried out.
- Time search for a DVD VIDEO is from the beginning of the title, for a DVD AUDIO is from the beginning of the track being played back. Time search for a VCD, SVCD and a CD is as follows:
  - When the disc is stopped, time search is from the beginning of the disc.
  - When the disc is being played back, time search is within the track currently being played back.

Playing Back MP3/WMA/JPEG/ASF and DivX Discs



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



Playback

MP3 WMA JPEG ASF DivX

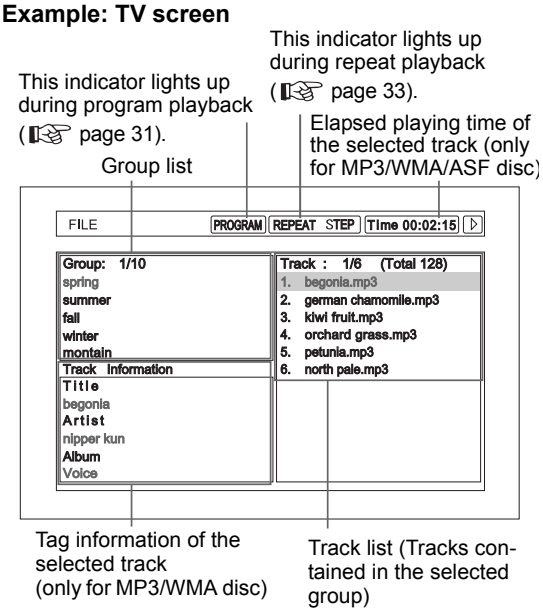
Display of an MP3/WMA disc is described here as an example.
For a JPEG disc, read "track" as "file".

NOTE

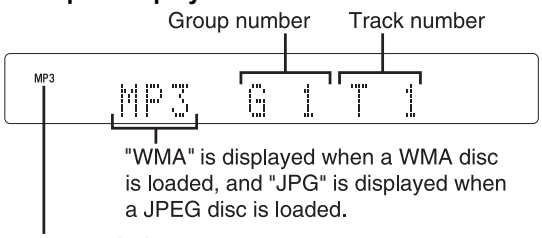
- When files of different types are recorded on a disc, select the file type to be played back (☞ page 41).

1 Insert a disc.

Example: TV screen



Example: Display window



2 Press ▲ ▼ to select a group.

3 Press ► to move to the track list.

- Pressing ◄ returns to the group list.

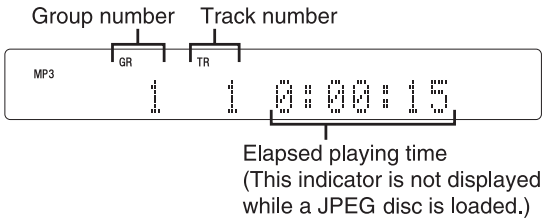
(Continued on next page)

For the locations of remote control buttons, refer to page 36.

4 Press ▲ ▼ to select a track.

5 Press DVD/CD ► or ENTER.

Example: Display during playback



- At first, a track title (file name) is scrolled.
- When an MP3 or WMA disc is loaded, tag information (title/artist/album) is scrolled followed by a track title.
- Only alphanumerical one-byte characters are displayed properly as a track title or tag information.

Notes for creating files/groups

- Use correct extensions (Upper case letters and lower case letters can be mixed).
  MP3 file: ".MP3" ".mp3"
  WMA file: ".WMA" ".wma"
  JPEG file: ".JPEG" ".JPG" ".jpeg" ".jpg"
- Use only single byte alphanumeric characters for file names and group names.

Notes for creating CD-R/RW discs

- Disc format should be "ISO 9660"
- Packet Write Method (UDF format) should not be used.
- Make sure that the disc is finalized.

Notes for creating DVD-R/RW discs

- Use UDF Bridge format.

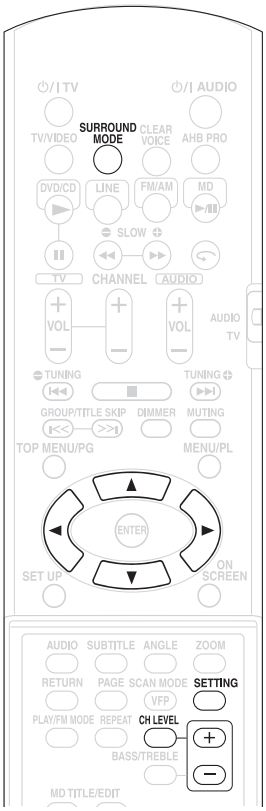
NOTE

- You can also use GROUP/TITLE SKIP |<< and GROUP/TITLE SKIP >>| in step 2.
- You can also use the number buttons in step 4. In this case, steps 3 and 5 are not needed. Refer to "Using the number buttons" (☞ page 18).
- You can also use TUNING ◄◄ or TUNING ►► in step 4. In this case, step 3 is not needed.

Slide-show playback JPEG

- For a JPEG disc, when you press DVD/CD ► in step 5, files are continuously played back from the selected file (slide-show playback). When you press ENTER, only a selected file is played back.
- A file is displayed for approximately 3 seconds in a slide-show playback.
- After all files are played back, the playback is automatically stopped.

Setting and Adjusting Surround Mode



About Surround Mode

■Multi-channels Surround Mode

When a multi-channel signal is input with "AUTO SURROUND" setting, this unit automatically determines the correct format and turns the surround mode "ON". When a 2ch signal is input, the unit automatically turns off the surround mode.

Sound format	Display
PPCM	P PCM
DOLBY DIGITAL	DD D
DTS	dts

Selecting the Surround Mode

AUX MD | DVD VIDEO | DVD AUDIO | DVD VR | VCD SVCD | CD | MP3 WMA

1 Press SURROUND MODE repeatedly to select the surround mode.

Each time you press SURROUND MODE, the display changes as follows.

- AUTO SURROUND : Normally this mode should be turned on.
- MOVIE/M. MUSIC : Select this mode when watching movies or using sound sources recorded with multi-sounds.
- WIDE/2ch MUSIC : This mode produces broader sound compared with the multi-channel mode. Select this mode when using the sound source recorded with 2ch such as sound source or CD.
- SUPER WIDE : This mode produces even broader sound.
- SURROUND OFF : Turns off the surround effect.

NOTE

- When the surround mode is "ON", and the signal has been surround-processed, the display window shows "SURROUND".
- During recording, the surround mode is temporarily deselected.
- When headphones are connected, the selected headphones mode is displayed (☞ page 40).

For the locations of remote control buttons, refer to page 38.

Adjust the Volume for Each Speaker

1 Press CH LEVEL to select "SURR" (Surround Speaker) or "SUBWFR" (Sub-woofer).

- "SUBWFR" can only be selected when playing back a multi-channel DVD with a sub-woofer audio signal.

2 Select ⊕ or ⊖ to adjust the volume.

Adjust the volume between -6 to +6.

- It will return to sound source display in a few seconds.

NOTE

- In the following situations, "SUBWFR" cannot be adjusted.
  - "SUB WFR" is set to "OFF" in "Other Settings" on the right.
  - The sound source with stereo sound is played.
  - The sound source is DVD/CD and the disc is stopped.

Other Settings

1 Press SETTING.

2 Select a setting item by pressing ▼ or ▲.

- BAL : Adjust the volume balance of the front speakers.
- SUB WFR : Set whether a sub-woofer is to be used.
- DEC1 : Set the decode mode for Digital 1 Terminal.
- DEC2 : Set the decode mode for Digital 2 Terminal.

3 Press ◄ ► to set or adjust the level.

BAL:
Turning down the volume of the left or right speaker. To turn down the volume of the right speaker, press ◄ (R-1-R-21), to turn down the volume of the left speaker, press ► (L-1-L-21).

The volume level changes each time the button is pressed. When the balance is right, it displays "CENTER".

SUB WFR:
When a sub-woofer is connected to the unit, select "ON".
When a sub-woofer is not connected, select "OFF".

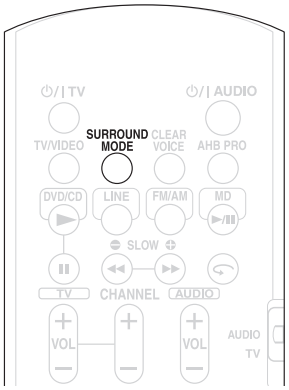
DEC1, 2:
This allows you to set to the decode mode when external equipment connected to Digital 1 or 2 uses Dolby Digital or DTS, or when an equipment such as a BS digital tuner is connected to Digital 1 or 2. It is helpful in the following situations:

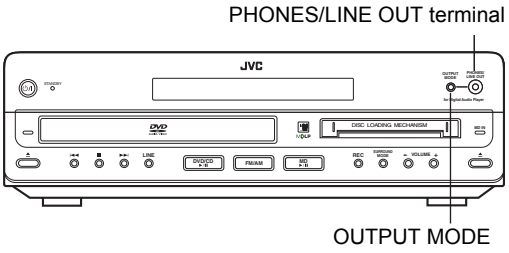
- When the sound is not audible at the beginning of the playback.
- When noise is heard when selecting a chapter.

AUTO/PCM: Normally this mode should be selected.
DTS: This mode should be selected when the sound is DTS. Other sounds than DTS are not heard.

- It allows you to return to source (sound source) display a few seconds later.

PHONES Function





Using the Surround Headphones Function

■When headphones are connected and the sound source is other than the radio

1 Press SURROUND MODE repeatedly to select the headphones mode.

Each time you press SURROUND MODE, the display changes as follows.

H. P. AUTO : Normally this mode should be turned on. For multi-sound, select H.P. SURROUND mode, and for stereo sound, select H.P. NORMAL mode.

H. P. SURROUND : Select this mode when watching a movie or listening to a multi-sound source.

H. P. NORMAL : Select this mode when listening to a sound source recorded with 2ch, such as a CD or other 2ch sound source.

- When the surround mode is ON and a signal is being surround-processed, the display window shows "SURROUND".
- During recording, the surround mode is temporarily deselected.
- When the headphones are disconnected, the selected surround mode is displayed.

– H. P. AUTO → AUTO SURROUND

– H. P. SURROUND → MOVIE/M. MUSIC / WIDE/2ch MUSIC / SUPER WIDE

– H. P. NORMAL → SURROUND OFF

Refer to "Setting and Adjusting Surround Mode" (☞ page 38).

Changing the PHONES/LINE OUT Terminal Output

The output from the PHONES/LINE OUT terminal can be set to headphones audio output or line out output for a digital audio player.

■When the headphones are disconnected and a line out cord is connected

1 Press OUTPUT MODE on the main unit repeatedly to select the output audio.

Each time you press OUTPUT MODE, the display changes as follows.

LINE OUT1 : Line out audio for digital audio* is output. The volume and sound quality cannot be adjusted.

LINE OUT2 : Normal line out audio is output. The volume and sound quality cannot be adjusted.

Headphone mode display (Normally H.P. AUTO) : Headphone audio is output. The volume and sound quality can be adjusted.

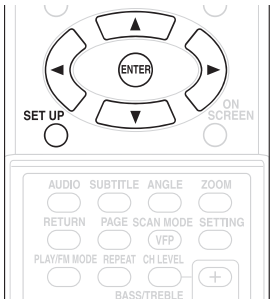
* Optimal level when connected to a JVC digital audio player.

CAUTION

- Do not change the PHONES/LINE OUT terminal output to LINE OUT 1 or 2 while listening with headphones, as unexpected loud sounds can damage your hearing. Be sure to connect the line out cord before changing the setting.
- While a line out cord is connected to the PHONES/LINE OUT terminal, the speakers do not produce any sound.

Preferences

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX



You can change the initial settings of this product according to the environment the product is used in.

CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons. 

NOTE

- The top and bottom of the preference screen may not be displayed on a wide TV. Adjust the picture size on the TV.

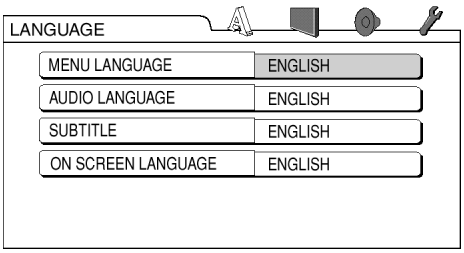
Basic Operations

This section explains basic operation for changing various settings.

■While a disc is stopped or no disc is loaded (while "NO DISC" is displayed)

1 Press SET UP.

- "SETTING" appears in the display window on the main unit and the following screen appears on the TV.



- Proceed with operations by following the description on the TV screen.

LANGUAGE

NOTE

- If the selected language is not recorded on the disc, the optimum language set for the disc appears.
- For a language code such as "AA", refer to the "Language Codes" (☞ page 43).

Items	Contents
MENU LANGUAGE	Select the language for the DVD VIDEO menu.
AUDIO LANGUAGE	Select the audio language for the DVD VIDEO.
SUBTITLE	Select the subtitle language for the DVD VIDEO.
ON SCREEN LANGUAGE	Select the language displayed on the preference screens.

PICTURE

Items	Contents (: initial setting)
MONITOR TYPE	Select a display method suitable for your TV. **16 : 9/16 : 9 MULTI (wide TV):** Select this item when the aspect ratio of your wide TV is fixed to 16:9 (when playing back a DVD VIDEO recorded at 4:3, this product automatically adjusts the screen width of the output signal).  **4 : 3 LB/4 : 3 MULTI LB (letter box):** Select this item when the aspect ratio of your TV is conventional 4:3. While viewing a wide screen picture, the black bars appear on the top and bottom of the screen.  **4 : 3 PS/4 : 3 MULTI PS (pan scan):** Select this item when the aspect ratio of your TV is conventional 4:3. While viewing a wide screen picture, the left and right edges of the picture will not be shown on the screen. (If the disc is not compatible with the pan scan, the picture will be displayed at the letter box ratio.) 
PICTURE SOURCE	Select an item suitable to the video source. **AUTO:** The video source type (a video or film) is automatically selected. **FILM:** Select this item when you want to view a film or video recorded with the progressive scan method. **VIDEO:** Select this item when you want to view a normal video.
SCREEN SAVER	Select the screen saver mode between ON /OFF (screen saver activates when there is no operation made for about 5 minutes since a still picture was last displayed).
FILE TYPE	If a disc includes an AUDIO file (MP3/WMA), a STILL PICTURE file (JPEG) and a VIDEO file (ASF/DivX), select which file is played back. If you change this setting, open and close the disc tray, or momentarily turn off the main unit. (A disc either with audio files or still picture files can be played back regardless of this setting.)

AUDIO

Items	Contents (: initial setting)
DIGITAL AUDIO OUTPUT	Select an output signal type from the following in accordance with the equipment connected to the digital audio output terminal (AV amplifier, etc.). (See the list below for the preference items and output signal.) **PCM ONLY:** Equipment corresponding only to linear PCM. **DOLBY DIGITAL/PCM:** Dolby digital decoder or equipment having the same function. **STREAM/PCM :** DTS/Dolby digital decoder or equipment having the same function.
DOWN MIX	Switch signal from the digital output terminal of the DVD VIDEO according to the connected equipment. Select this when "DIGITAL AUDIO OUTPUT" is set to "PCM ONLY". **DOLBY SURROUND:** A dolby pro logic decoder-built-in equipment. **STEREO :** An ordinary equipment.
D (Dynamic). RANGE COMPRESSION	To make adjustments for the difference between a high volume and a low volume when playing back with low volume (only for a DVD recorded with Dolby digital). **AUTO :** D. range compression automatically works. **ON:** D. range compression always works.

OTHERS

Items	Contents (: initial setting)
RESUME	**Select ON or OFF. (☞ page 25)**
ON SCREEN GUIDE	**Select ON or OFF.** (For details on the guide icons, refer to page 24.)
AV COMPU LINK MODE	When you want to control JVC TV by using this product, select a mode that matches the terminal from the following. (For more details, refer to "Using AV COMPU LINK" on page 70.) **DVD1 :** Connect to the video-3 input on the TV set. **DVD2:** Connect to the video-1 input of the TV set. **DVD3:** Connect to the video-2 input of the TV set.
DivX REGISTRATION	The DVD player has its own registration code. You can confirm the registration code, when necessary. Once you have played back a disc in which the registration code is recorded, the registration code of the DVD player is overwritten for copyright protection.

List of relationships of DIGITAL AUDIO OUTPUT preference items and output signal

Playback disc	DIGITAL AUDIO OUTPUT preference		
	STREAM/PCM	DOLBY DIGITAL/PCM	PCM ONLY
48 kHz, 16/20/24 bits Linear PCM DVD VIDEO 96 kHz linear PCM DVD VIDEO	48 kHz, 16 bits stereo linear PCM		
48/96/192 kHz, 16/20/24 bits linear PCM DVD AUDIO*	48 kHz, 16 bits stereo linear PCM		
44.1/88.2/176.4 kHz, 16/20/24 bits linear PCM DVD AUDIO*	44.1 kHz, 16 bits stereo linear PCM		
DTS DVD VIDEO/DVD AUDIO*	DTS bit stream	48 kHz, 16 bits stereo linear PCM	
DOLBY DIGITAL DVD VIDEO/ DVD AUDIO*	DOLBY DIGITAL bit stream		48 kHz, 16 bits stereo linear PCM
CD/VCD/SVCD	44.1 kHz, 16 bits stereo linear PCM/48 kHz, 16 bits linear PCM		
DTS CD	DTS bit stream	44.1 kHz, 16 bits linear PCM	
MP3/WMA/DivX disc	32/44.1/48 kHz, 16 bits linear PCM		

NOTE

* There is no output for DVD AUDIO with content protection set.
• For a DVD VIDEO without content protection set, there is a 20 bit or 24 bit output at the digital audio output terminal.

Language Codes

Code	Language	Code	Language
AA	Afar	MK	Macedonian
AB	Abkhazian	ML	Malayalam
AF	Afrikaans	MN	Mongolian
AM	Ameharic	MO	Moldavian
AR	Arabic	MR	Marathi
AS	Assamese	MS	Malay (MAY)
AY	Aymara	MT	Maltese
AZ	Azerbaijani	MY	Burmese
BA	Bashkir	NA	Nauru
BE	Byelorussian	NE	Nepali
BG	Bulgarian	NL	Dutch
BH	Bihari	NO	Norwegian
BI	Bislama	OC	Occitan
BN	Bengali, Bangla	OM	(Afan) Oromo
BO	Tibetan	OR	Oriya
BR	Breton	PA	Panjabi
CA	Catalan	PL	Polish
CO	Corsican	PS	Pashto, Pushto
CS	Czech	PT	Portuguese
CY	Welsh	QU	Quechua
DA	Danish	RM	Rhaeto-Romance
DZ	Bhutani	RN	Kirundi
EL	Greek	RO	Rumanian
EO	Esperanto	RU	Russian
ET	Estonian	RW	Kinyarwanda
EU	Basque	SA	Sanskrit
FA	Persian	SD	Sindhi
FI	Finnish	SG	Sangho
FJ	Fiji	SH	Serbo-Croatian
FO	Faroese	SI	Singhalese
FY	Frisian	SK	Slovak
GA	Irish	SL	Slovenian
GD	Scots Gaelic	SM	Samoan
GL	Galician	SN	Shona
GN	Guarani	SO	Somali
GU	Gujarati	SQ	Albanian
HA	Hausa	SR	Serbian
HI	Hindi	SS	Siswati
HR	Croatian	ST	Sesotho
HU	Hungarian	SU	Sundanese
HY	Armenian	SV	Swedish
IA	Interlingua	SW	Swahili
IE	Interlingue	TA	Tamil
IK	Inupiak	TE	Telugu
IN	Indonesian	TG	Tajik
IS	Icelandic	TH	Thai
IW	Hebrew	TI	Tigrinya
JI	Yiddish	TK	Turkmen
JW	Javanese	TL	Tagalog
KA	Georgian	TN	Setswana
KK	Kazakh	TO	Tonga
KL	Greenlandic	TR	Turkish
KM	Cambodian	TS	Tsonga
KN	Kannada	TT	Tatar
KO	Korean (KOR)	TW	Twi
KS	Kashmiri	UK	Ukrainian
KU	Kurdish	UR	Urdu
KY	Kirghiz	UZ	Uzbek
LA	Latin	VI	Vietnamese
LN	Lingala	VO	Volapuk
LO	Laothian	WO	Wolof
LT	Lithuanian	XH	Xhosa
LV	Latvian, Lettish	YO	Yoruba
MG	Malagasy	ZU	Zulu
MI	Maori		

Country/Area Codes

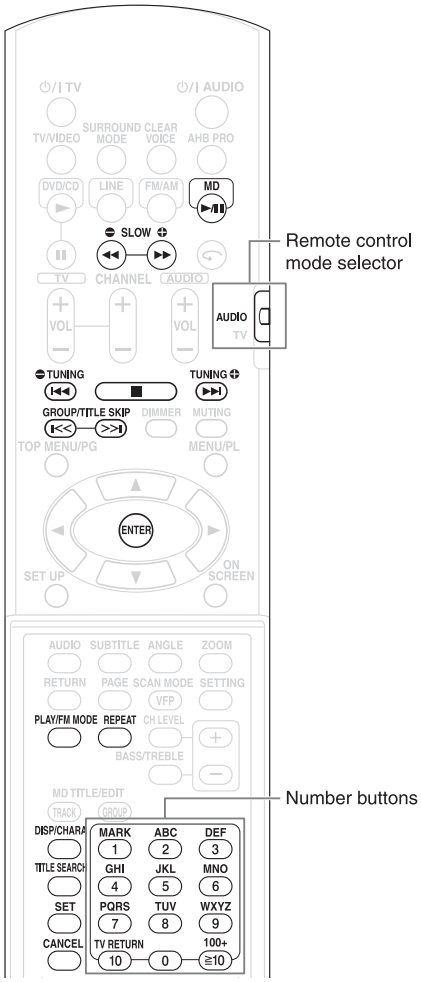
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AN	Netherlands Antilles
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BA	Bosnia and Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BF	Burkina Faso
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei Darussalam
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Islands
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Côte d'Ivoire
CK	Cook Islands
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Sahara
ER	Eritrea

ES	Spain
ET	Ethiopia
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia (Federated States of)
FO	Faroe Islands
FR	France
FX	France, Metropolitan
GA	Gabon
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia and the South Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard Island and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IL	Israel
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran (Islamic Republic of)
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan
KH	Cambodia
KI	Kiribati
KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea, Democratic People's Republic of
KR	Korea, Republic of
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Lao People's Democratic Republic
LB	Lebanon

LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libyan Arab Jamahiriya
MA	Morocco
MC	Monaco
MD	Moldova, Republic of
MG	Madagascar
MH	Marshall Islands
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macau
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico
MY	Malaysia
MZ	Mozambique
NA	Namibia
NC	New Caledonia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	Saint Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PT	Portugal
PW	Palau
PY	Paraguay
QA	Qatar
RE	Réunion
RO	Romania
RU	Russian Federation
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles

SD	Sudan
SE	Sweden
SG	Singapore
SH	Saint Helena
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome and Principe
SV	El Salvador
SY	Syrian Arab Republic
SZ	Swaziland
TC	Turks and Caicos Islands
TD	Chad
TF	French Southern Territories
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TP	East Timor
TR	Turkey
TT	Trinidad and Tobago
TV	Tuvalu
TW	Taiwan
TZ	Tanzania, United Republic of
UA	Ukraine
UG	Uganda
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Vatican City State (Holy See)
VC	Saint Vincent and the Grenadines
VE	Venezuela
VG	Virgin Islands (British)
VI	Virgin Islands (U.S.)
VN	Viet Nam
VU	Vanuatu
WF	Wallis and Futuna Islands
WS	Samoa
YE	Yemen
YT	Mayotte
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZR	Zaire
ZW	Zimbabwe

Listening to MDs

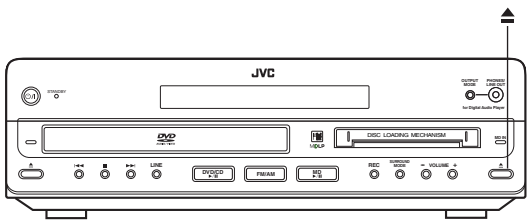


CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



	Operation
Stop	Press ■.
Pause	Press MD during playback. Pressing MD again resumes playback.
Eject	Press ⏏ (right) on the main unit.

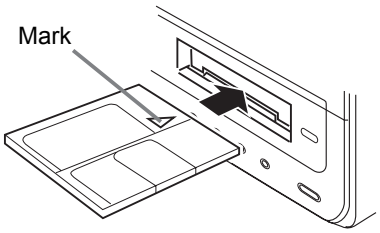


Listening to MDs

Used frequently

■When the main unit is turned on

1 Insert an MD.



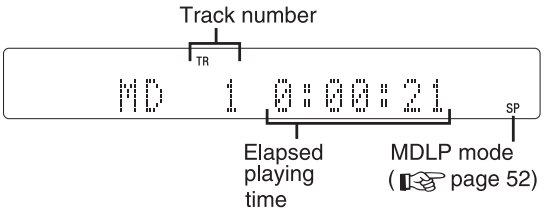
CAUTION

- Do not insert an MD while the main unit is turned off. Forcibly inserting an MD may damage the main unit.

2 Press MD.

- When the MD is loaded, DISC IN lamp on the main unit lights red.

■Display while an MD is being played back



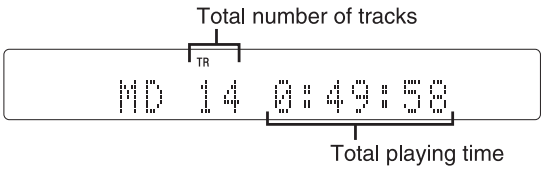
- When the track title has been set to the track, the track title appears first.
- Group number appears next.*

* When the track being played back does not belong to a group, "GR. - -" appears.

CAUTION

- Do not insert another MD while the MD indicator is lighting up or flashing. Forcibly inserting an MD may damage the main unit.

■Display while the MD is stopped



- When the MD title (the disc title) has been set to the MD, the MD title appears first.
- Long titles are scrolled.
- Total number of groups appears next.*

* When no group belongs to the MD, "GR. - -" appears.

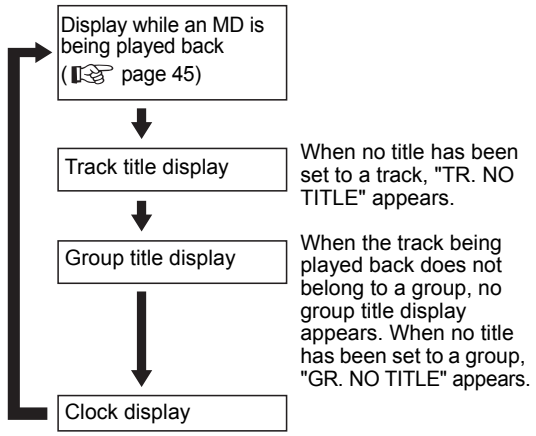
Changing the Display in the Display Window

Used frequently

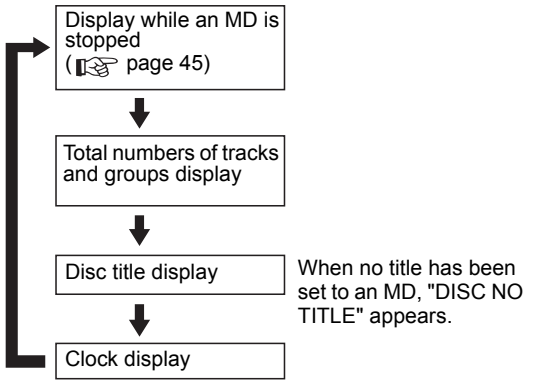
Press DISP/CHARA.

- Each time you press DISP/CHARA, the display changes as follows.

■While an MD is being played back



■While an MD is stopped



NOTE

- While an MD is selected as the sound source, when you insert an MD to which nothing has been recorded, "BLANK DISC" appears.

Fast Reverse/Fast Forward Search

Used frequently

There are two methods.

■While an MD is being played back

Press SLOW ◄◄ or SLOW ►►.

- To restore the normal speed, press MD ►/II.

Hold down TUNING ◄◄ or TUNING ►►.

- Fast reverse/fast forward search can be carried out only while the button is pressed.

Skipping to the Beginning of a Track

Used frequently

■While an MD is being played back

Press TUNING ◄◄ or TUNING ►►.

- Each time you press TUNING ◄◄, the current track skips to the beginning of the previous track.
- Each time you press TUNING ►►, the current track skips to the beginning of the next track.
- Press GROUP/TITLE SKIP |<< or GROUP/TITLE SKIP >>| to select a group.

Specifying the Track (Direct Track Selection)

1 Set the remote control mode selector to AUDIO.



2 Press the number buttons (MARK 1-TV RETURN 10, 0 or 100+ ≧10) to select the track you want to listen to.

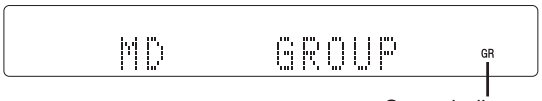
- Refer to "Using the number buttons" (☞ page 18).

Group Playback of an MD

You can play back just the tracks from a group which you want to listen to.

■While an MD is stopped

1 Press PLAY/FM MODE repeatedly to select "GROUP".



Group indicator

2 Press MD ▶/II.

- Group 1 playback starts.
- If there is no group, "GR" disappears and normal playback starts.

3 Press GROUP/TITLE SKIP I<< or GROUP/TITLE SKIP >>I to select a group.

- When playback of all tracks in the selected group finishes, playback automatically stops.

Canceling group playback

While playback is stopped, press PLAY/FM MODE repeatedly to select an item other than "GROUP".

NOTE

- Ejecting the MD or turning off the main unit also cancels group playback.

Program Playback of an MD

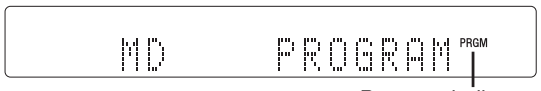
This function allows you to program up to 32 tracks.

■While an MD is stopped

1 Set the remote control mode selector to AUDIO.



2 Press PLAY/FM MODE to select "PROGRAM".

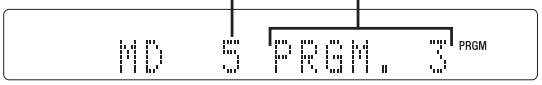


Program indicator

3 Press the number buttons (MARK 1-TV RETURN 10, 0 or 100+ ≧10) to select the track numbers.

- Refer to "Using the number buttons" (☞ page 18).

Track number Program number



NOTE

- When you want to erase the program, press CANCEL while playback is stopped. Programmed tracks are erased one by one from the last track. Holding down CANCEL erases all programmed tracks.
- When you try to program the 33rd track, "MEMORY FULL" appears in the display window to indicate that 33 or more tracks cannot be programmed.
- When total time for program playback reaches 2 hours 31 minutes for an MD, "--:--" appears.

4 Press MD ▶/II.

Confirming the programmed track order

While playback is stopped, press TUNING I◀◀ or TUNING ▶▶I repeatedly.

- You can add a track as the last track in the program, or erase the last track. (☞ step 3)

Canceling the program playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "PROGRAM".

- This operation does not erase the program.

Erasing all the programmed tracks

While playback is stopped, hold down CANCEL.

NOTE

- Ejecting the MD or turning off the main unit also erases all the programmed tracks. This operation also cancels program playback.

Random Playback of an MD

This function allows you to listen to tracks in random order.

■While an MD is stopped

1 Press PLAY/FM MODE repeatedly to select "RANDOM".



Random indicator

2 Press MD ▶/II.

NOTE

- Pressing TUNING ⏮ repeatedly does not return playback to the previous track.
- Each track is played back once.

Canceling the random playback

While playback is stopped, press PLAY/FM MODE repeatedly to display an item other than "RANDOM".

NOTE

- Ejecting the MD or turning off the main unit also cancels random playback.

Repeat Playback of an MD

This function allows you to repeatedly listen to the same track.

During MD playback, press REPEAT repeatedly to select the repeat mode.

Example:



- Each time you press REPEAT, the display changes as follows.

REPEAT ALL
(ALL) : For repeating all tracks in an MD. For repeating all tracks in the selected group when MD group playback is selected.

REPEAT TRACK
( ) : For repeating one track.

REPEAT OFF
: For canceling repeat playback.

NOTE

- Ejecting the MD or turning off the main unit also cancels repeat playback.

Searching Titles of an MD

This function allows you to search titles for tracks or groups in an MD.

■While a disc is stopped

1 Set the remote control mode selector to AUDIO.



2 Press TITLE SEARCH repeatedly to select the search type.

SEARCH
TR.T.SEARCH
For searching track titles.

GR SEARCH
GR.T.SEARCH
For searching group titles. (This function is available only when there are groups.)

3 Press SET.

Example:



(Continued on next page)

For the locations of remote control buttons, refer to page 45.

4 Enter the title you want to find.

- Enter the first one to five characters of the title.
  Example: Entering "F" searches titles starting with "F" in order of track number.
  Entering "Frien" searches titles starting with "Frien" in order of track number.
- For entering titles, refer to "Entering Titles" (☞ page 56).
- When searching tracks or groups with no titles, enter nothing, and then proceed to step 5.

5 Press ENTER.

- "SEARCH" appears and the title search starts. When the title is found, playback of the track starts. When playback finishes, the next title search automatically starts.

NOTE

- A space is treated as a character. However, when no character exists after the space, the space is ignored.
- Capital letters and small letters are distinguished.
- When no corresponding titles are found, "NOT FOUND" appears.

Searching another track or group title

Press TUNING ⊕ (▶▶|) (or GROUP/TITLE SKIP (>>|)).

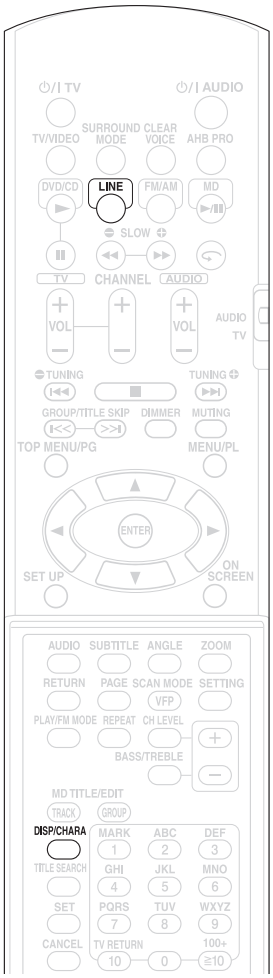
Quitting the title search

Press TITLE SEARCH.

- The title search is canceled and playback returns to the beginning of the current track.



Listening to Other Equipment



1 Press LINE.

• Each time you press LINE, the display changes as follows.

LINE : To listen to sound from other equipment connected to the LINE IN terminals on the main unit.

LINE-DIGITAL1 : To listen to sound from other equipment connected to the DIGITAL 1 terminal on the main unit.

LINE-DIGITAL2 : To listen to sound from other equipment connected to the DIGITAL 2 terminal on the main unit.

2 Start other equipment playback.

• Refer to the operation manual for the connected equipment.

3 Adjust the volume and make other necessary settings.

• For adjusting the volume and making other necessary settings, refer to "Basic Operations" (☞ page 18).

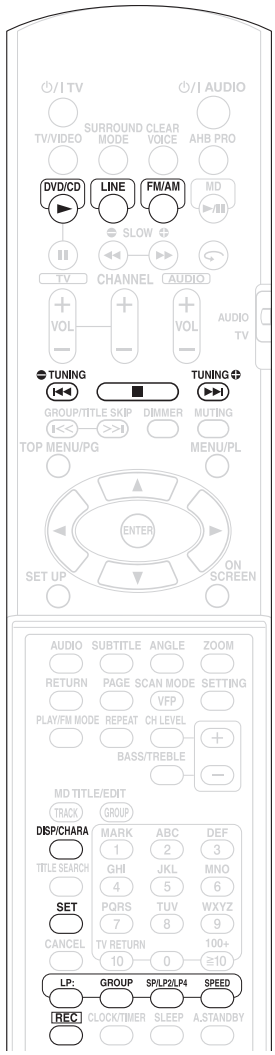
Changing the Display in the Display Window

Press DISP/CHARA.

• Each time you press DISP/CHARA, the display toggles as follows.

Sound source name
↓
REM.(Time display) — (With an MD loaded) Display of remaining time for MD recording
↓
Clock display

Recording Sound to MDs Used frequently



Things You Should Know about MD Recording

- **It may be unlawful to record or playback copyright material without the consent of the copyright owner.**
- Long Time Stereo Playback (MDLP) can be utilized on this unit. This allows you to record original stereo sound for two times or four times longer than the designated period of time.
- You can record tracks having different MDLP modes onto an MD.
- You cannot use the monaural extended recording function with this product.
- You cannot record sounds from an ASF/DivX disc.

CAUTION

- Do not bump or sway the main unit during MD recording. Be especially careful while "WRITING" is displayed. Such movement may interfere with MD playback.
- You cannot play back tracks recorded in LP2 or LP4 with audio equipment that is not compatible with MDLP. When you attempt playback, "LP: " appears in front of the track title, and the main unit does not produce any sound. When you play back tracks recorded in LP2 or LP4 with audio equipment that is compatible with MDLP, "LP: " does not appear.
  To activate or cancel the "LP: " indicator, press LP:. (See below)

"LP: " indicator setting

Press LP:.

- Each time you press LP:, the display changes as follows.

(LP:) ON : For adding "LP: " to the track title.

(LP:) OFF : For deleting "LP: " from the track title.

CD-R/CD-RW recording

- When you record sound from a CD-R or CD-RW onto an MD, pressing REC may display "SCMS CANNOT COPY" in the display window, and digital recording may not be available.
  In such a case, set the recording speed to normal, hold down REC for 4 or more seconds.
  While "ANALOG REC?" is displayed, press REC once again to select analog recording.

- You can record up to 254 tracks to an MD. If you try to record 255 or more tracks, "DISC FULL" appears.
- When you use a partially-recorded MD, this product searches for the blank portion and records the new tracks to that portion.
  Unlike cassette tape recording, you cannot record over old tracks on an MD.
- Changing in sound volume and quality on this product during recording does not affect the recorded sound.
- Sound from a CD is recorded as digital signals to an MD. Sound from the radio or LINE is converted from analog signals to digital signals during recording.
- When you record a disc, track marks are automatically inserted between tracks. However, track marks may not be inserted when a DVD VIDEO or DVD AUDIO is recorded.

Recording All Tracks from a Disc to an MD

1 Press DVD/CD, and then press ■.

- The DVD is selected as the sound source and **playback is stopped**.

■When recording sound from DVD VIDEOs or DVD VRs

- Play back a title or chapter, pause playback, and then press TUNING ⏮ to return to the beginning of the first title/chapter.
- You may not be able to record a DVD VIDEO or DVD VR depending on the disc.

2 Insert an MD.

- Close the write protect knob on the MD beforehand (☞ page 72).

3 Press SP/LP2/LP4 to select the MDLP mode.

- Each time you press SP/LP2/LP4, the display changes as follows.

SP : For standard stereo recording (Maximum recording time is 80 minutes with an MD 80).
↓
LP2 : For ×2 extended stereo recording (Maximum recording time is 160 minutes with an MD 80).
↓
LP4 : For ×4 extended stereo recording (Maximum recording time is 320 minutes with an MD 80).

- As you change the MDLP mode (SP→LP2→LP4), the sound quality also changes. When you want to record sound at the best possible quality, select the SP mode.
- When you use an MD car audio system, portable MD player or other MD player that is not compatible with the MDLP mode, select the SP mode.

4 Press GROUP to set group recording.

- Each time you press GROUP, the display toggles as follows.

GROUP REC ON : Activates group recording (initial setting).
↕
GROUP REC OFF : Cancels group recording.

- You can form or cancel a group after the recording finishes. (☞ pages 60 and 63)

5 Press SPEED to select the recording speed.

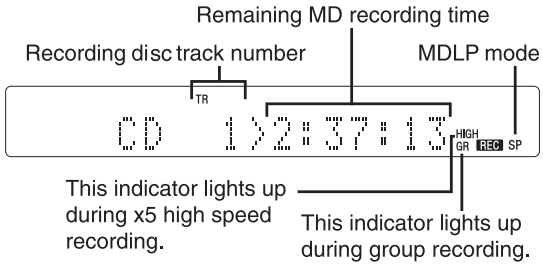
- Each time you press SPEED, the display changes as follows.

×5 SPEED : ×5 high speed recording (only for CDs)
↕
×1 SPEED : Normal speed recording

- Select normal speed when you want to play back a disc other than a CD. If you select "×5 SPEED" for a disc other than a CD and press REC, "CANNOT REC ×1 REC ONLY" appears in the display window and recording does not start.
- Recorded sound quality is the same for both high speed recording and normal speed recording.
- You cannot listen to the sound during ×5 high speed recording.

6 Press REC.

Example: Display while CD is recorded



- When "HCMS CANNOT COPY" appears, refer to page 71.

NOTE

- The recorded sound level is automatically adjusted.
- The CD rotates at high speed during x5 high speed recording. Therefore, depending on the condition of the CD, the sound may be recorded improperly and affected by noise. If the sound is not recorded properly, select normal speed recording.
- The remaining time for recording differs depending on the selected MDLP mode.
- You cannot record sound while the repeat playback function is on. Starting the recording function automatically cancels repeat playback.
- While recording a DVD video, you cannot make settings on the DVD including audio, subtitle, view angles, picture magnification and surround mode selection.
- During the recording operation, the surround mode is automatically deselected (☞ page 38).

Quitting Recording

Press ■.

Recording Only One Track from a Disc

(Excluding DVD VIDEOs)

Before proceeding to step 6, start playback of the track you want to record.

- Pressing REC in step 6 returns playback to the beginning of the track, and only that track is recorded.
- This one-track recording is not available for DVD VIDEOs or DVD VRs.

Recording the Second or Subsequent Track to the Last Track from a Disc

■When recording CDs/VCDs/SVCDs/DVD VIDEOs/DVD VRs
(For DVD VR: only when recording in the original program)
(For DVD VIDEO or DVD VR: while the playback is paused)

Before proceeding to step 6, select the starting track or chapter number by pressing TUNING ⏮ or TUNING ⏭.

■When recording DVD AUDIOs/MP3s/WMAs

Before proceeding to step 6, select the group number by pressing GROUP/TITLE SKIP ⏮ or GROUP/TITLE SKIP ⏭, and then select the track number by pressing TUNING ⏮ or TUNING ⏭.

Program Recording from a Disc

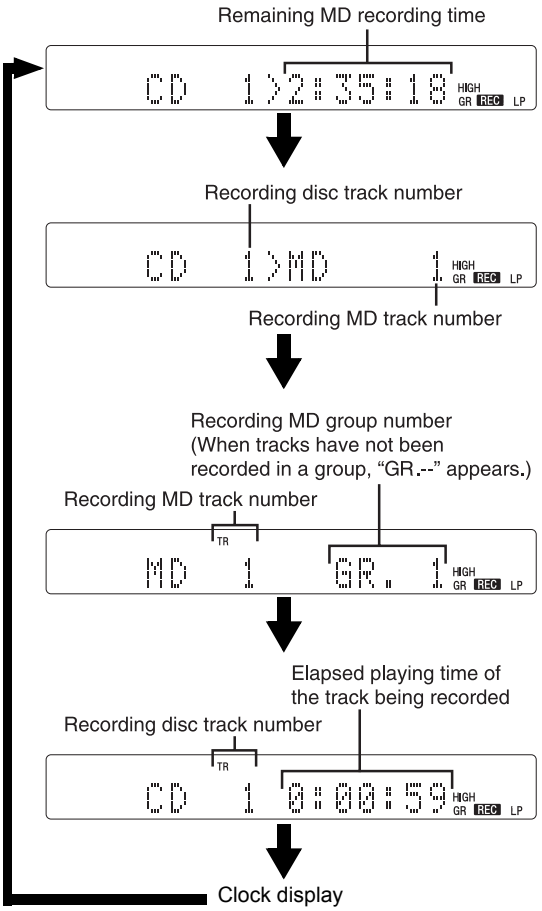
Before performing step 1 on page 52, program the tracks you want to record (☞ page 47).

- Select normal speed recording (☞ step 5 on page 52).
  When you select "×5 SPEED" and proceed to step 6, "CANNOT REC × 1 REC ONLY" appears in the display window and recording does not start.

Changing the Display in the Display Window during Recording

Press DISP/CHARA.

- Each time you press DISP/CHARA, the display changes as follows.



Recording Sound from Radio or Other Equipment

NOTE

- The recorded sound level is automatically adjusted.
- Sound-synchronized recording is employed for recording sound from other equipment (LINE). With sound-synchronized recording, this product automatically identifies sound signals from the sound source and starts recording. When sound from the sound source pauses for 30 or more seconds, this product automatically quits recording. The blank time between the last recorded track and the next recorded track is approximately 2 seconds.

1 Select a sound source.

Sound source	Operation
Radio broadcast	Select the radio station whose broadcast you want to record (☞ page 20).
Sound from other equipment (LINE/ LINE-DIGITAL 1/2)	Press LINE repeatedly to select LINE or LINE-DIGITAL 1/2, and prepare playback on the other equipment (☞ page 50).

2 Insert an MD for recording.

- Confirm the MDLP, "LP: " indicator and group recording settings. (☞ pages 51 and 52)
- Close the write protect knob on the MD (☞ page 72).

3 Hold down REC on the main unit for approximately 4 seconds to display the track mark options.

4 While the track mark options are displayed, press ⏮ ⏭ on the main unit to select a track mark option.

- Each time you press ⏮ ⏭, the display changes as follows.

MANUAL MARK : Each time you press SET during recording, a track mark is set (initial setting).

TIME MARK : Track marks are automatically set in 5-minute intervals.

AUTO MARK : When no sound is produced for 3 or more seconds, a track mark is automatically set. You can also insert a track mark by pressing SET.

5 Press REC on the main unit.

Example: Display while FM radio broadcast is recorded



- When recording the sound from other equipment, wait until "LINE → MD" appears, and then start playback of the connected equipment. Recording automatically starts when sound is input to the main unit.
  You can also start recording by pressing MD.
  With this method, even when sound from the connected equipment pauses for 30 or more seconds, the main unit does not automatically quit recording.

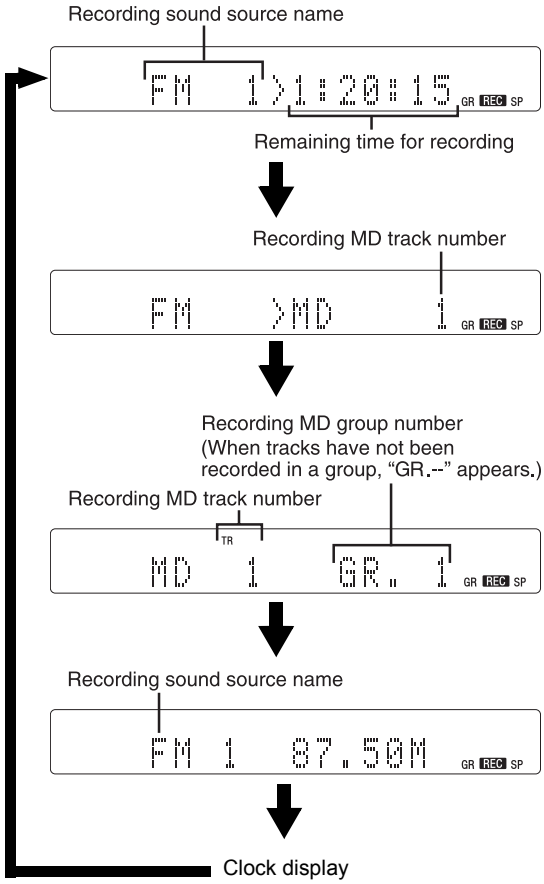
Quitting Recording

Press ■.

Changing the display in the display window during recording

Press DISP/CHARA.

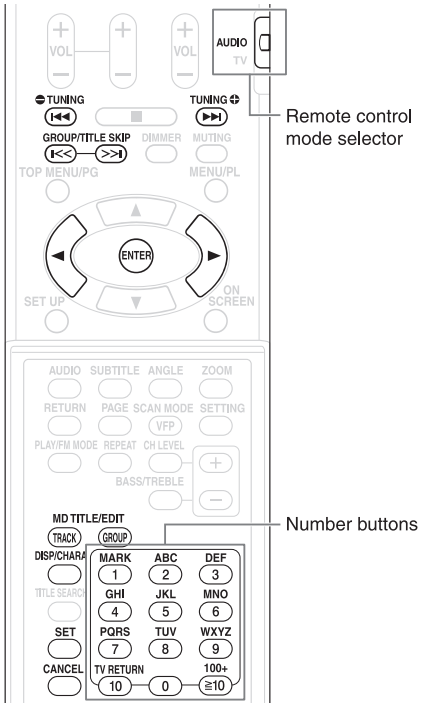
- Each time you press DISP/CHARA, the display changes as follows.



Giving (Editing) Titles

Things You Should Know about Editing

- You cannot edit an MD while its write protect knob is open (☞ page 72). When you attempt to edit a protected MD, "DISC PROTECTED" appears.
- When you finish editing, "EDITING" appears, then "WRITING" flashes and the edited setting is recorded to the MD.
  While "WRITING" is displayed, be careful not to bump or sway the main unit. Such movement may interfere with MD playback.
- You cannot edit an MD during program playback, random playback, or group playback.



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



Giving (Editing) Titles

You can give titles to an MD (disc), tracks and groups.

■While the track or group to which you want to give a title is being played back

1 Set the remote control mode selector to AUDIO.



2 Display the title editing mode.

For editing an MD (disc) title or track titles

- Press MD TITLE/EDIT (TRACK) to display the title editing mode.



- To edit a disc title, press TUNING repeatedly to display "DISC TITLE?". You can also display "DISC TITLE?" by pressing MD TITLE/EDIT (TRACK) while the disc is stopped.
- You can also select track number with TUNING or TUNING.

For editing group titles

- Press MD TITLE/EDIT (GROUP) twice to display the group title editing mode.

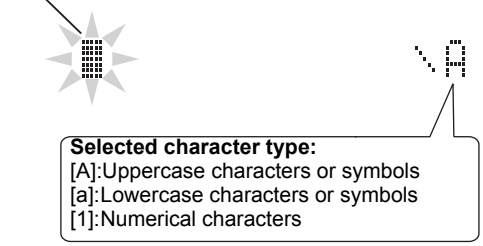


- You can also select a group number with GROUP/TITLE SKIP or GROUP/TITLE SKIP.

3 Press SET.

- The display is switched to title entry mode.
- If the title has already been entered, the title is displayed at the character entry position.

Character entry position (flashing)



4 Enter a title using the number buttons.

- For entering a title, refer to "Entering Titles" (☞ page 56).

5 Press ENTER.

- The entered title is given to an MD, track or group.

To quit title editing

Press CANCEL.

To give next title

Press SET.

Go to step 4.

6 Press ⏏ (right) on the main unit to eject the MD.

NOTE

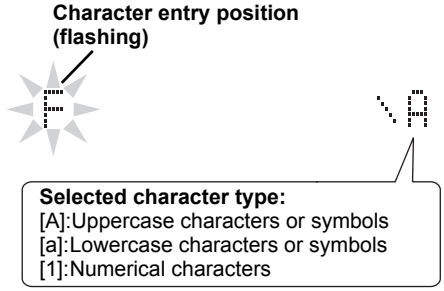
- Number of characters that can be entered to an MD
  You can enter up to 1792 characters to each MD, with up to 61 characters to each track. However, the actual number of characters that you can enter is less than the number indicated here because of restrictions of the MD writing method. Spaces are counted as characters.

  Example: When editing 120 tracks recorded using long-play stereo recording to an MD, you can enter 10 characters to each track.
- You cannot edit a title consisting of 62 or more characters. When you want to edit a title containing 62 or more characters, edit the title on the equipment on which the title was entered.
- You can set a title during recording.
  - While recording from a CD (except when recording only one track from a CD), you can enter up to 16 track titles before recording finishes.
  - If you do not press ENTER before recording finishes, the entered titles are not stored.
  - During group recording, you can enter titles for the group.

Entering Titles

Example: To enter "F"

1) Press DISP/CHARA repeatedly to select "A" as the character type.
2) Press DEF 3 repeatedly to display "F".



- Several characters are assigned to one button. Press the button repeatedly until the desired character is displayed.
- For the available characters, refer to "Available Characters" (☞ on the right).

To move the character entry position

- Press ◄ or ►.
- When you want to enter "NO", "TV" or two characters which are assigned to one button, enter the first character, press ► to move the character entry position to the right, and then enter the second character.

To erase a character

- Move the character entry position to the character you want to erase, and press CANCEL.

To enter a space

- Select the space from "Symbol" (☞ the chart below). You can also enter a space at the end of a title by pressing ►.

To quit title entry

- Press MD TITLE/EDIT (TRACK) or MD TITLE/EDIT (GROUP). The entered titles are not stored.

Available Characters

Button	Uppercase character	Lowercase character	Numerical character
MARK 1	Symbol*	Symbol*	1
ABC 2	ABC	abc	2
DEF 3	DEF	def	3
GHI 4	GHI	ghi	4
JKL 5	JKL	jkl	5
MNO 6	MNO	mno	6
PQRS 7	PQRS	pqrs	7
TUV 8	TUV	tuv	8
WXYZ 9	WXYZ	wxyz	9
0			0

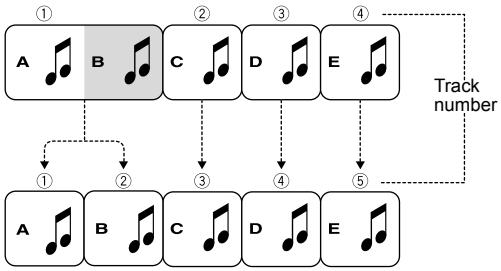
***Available symbols**

□ Space	!	"	#	$	%	&	'	(	)	*	+	
,	−	.	/	:	;	<	=	>	?	@	_	`

Editing Tracks

Dividing a Track into Two Tracks (DIVIDE)

Example: Dividing a tune into tune A and tune B



■While the track you want to divide is being played back

1 Press MD TITLE/EDIT (TRACK) repeatedly to select "DIVIDE?".



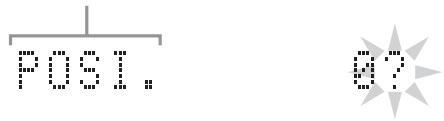
2 Press SET.

- You can also select the track number with TUNING ⏮, TUNING ⏭ or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET to specify the dividing point.

- This product repeatedly plays back the 4 seconds of sound immediately following the dividing point.

"POSI." stands for "POSITION".



- When the dividing point does not have to be adjusted, proceed to step 5.
- When you want to adjust the dividing point, proceed to step 4.

4 Press TUNING ⏮ or TUNING ⏭.

- You can adjust the dividing point within the range of -128 to +128 position (approximately -8 to +8 seconds in SP mode).

5 Press SET.



6 Press ENTER.

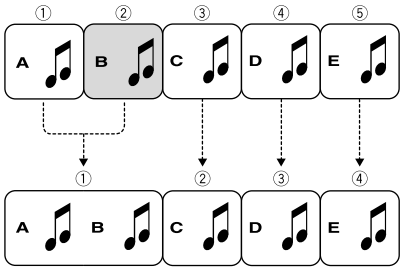
NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (TRACK).
- You cannot divide a track in an MD containing 254 or more tracks. When you press SET in step 3, "DISC FULL" appears.
- When you divide a track that has a title, the title is added to both divided tracks.

Joining Tracks (JOIN)

You can join two adjacent tracks into one track.

Example: Joining tune A and tune B



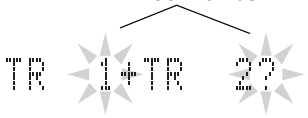
■While the second track (track 2 in the example shown above) to which you want to join the first track is being played back

1 Press MD TITLE/EDIT (TRACK) repeatedly to select "JOIN?".



2 Press SET.

Track number



- You can also select a track number with TUNING (⏮), TUNING (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET.

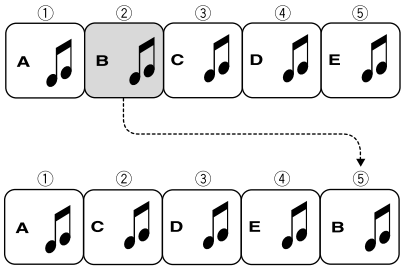
4 Press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (TRACK).
- You cannot join tracks that have different MDLP modes (SP/LP2/LP4), or tracks that have different recording types (digital/analog). If you attempt to join such tracks, "CANNOT JOIN" appears.
- When you join two tracks that have titles, the title of the first track remains as the title of the joined track.

Moving a Track (MOVE)

Example: Moving tune B

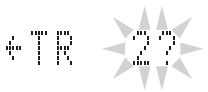


■While the track you want to move (track 2 in the example shown above) is being played back

1 Press MD TITLE/EDIT (TRACK) repeatedly to select "MOVE?".



2 Press SET.



- You can also select a track number with TUNING (⏮), TUNING (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET.

4 Press TUNING (⏮) or TUNING (⏭) to select the track number to which you want to move the specified track.

(Track 5 is selected in the example shown above)



- You can also select a track number with the number buttons. Refer to "Using the number buttons" (☞ page 18).
- When you move a track to a track number which is registered in a group, the track is registered in the group. When you move a track which is registered in a group to a track number which is not registered in a group, the track is removed from the group registration.

5 Press SET.

6 Press ENTER.

NOTE

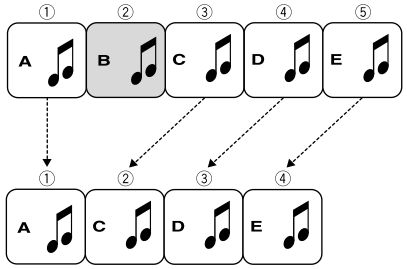
- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (TRACK).

For the locations of remote control buttons, refer to page 55.

Erasing a Track (ERASE)

Used frequently

Example: Erasing tune B



CAUTION

- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.

■While the track you want to erase (track 2 in the example shown above) is being played back

1 Press MD TITLE/EDIT (TRACK) repeatedly to select "ERASE?".

ERASE?

2 Press SET.

TR 2 ERASE?

- You can also select a track number with TUNING (⏮), TUNING (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET.

- " ✓" is added in front of the selected track number.
- When you select a wrong track, press CANCEL to delete " ✓".
- You can select up to 15 tracks to be erased with TUNING (⏮), TUNING (⏭) or the number buttons, and SET. Refer to "Using the number buttons" (☞ page 18).

4 Press ENTER.

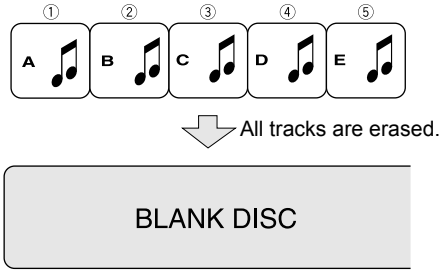
5 Confirm that you no longer need the tracks, and then press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (TRACK).

Erasing All Tracks (ALL ERASE)

Used frequently



CAUTION

- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.

1 Press MD TITLE/EDIT (TRACK) repeatedly to select "ALL ERASE?".

ALL ERASE?

2 Press SET.

3 Confirm that you no longer need all tracks, and then press ENTER.

NOTE

- You can quit the editing operation by pressing MD TITLE/EDIT (TRACK).

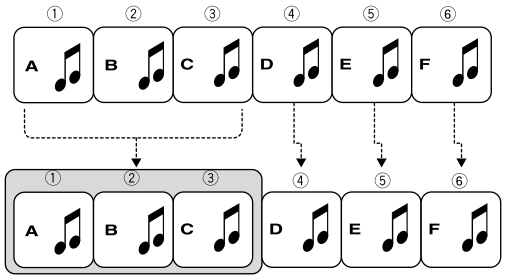
Editing Tracks by Group

You can sort tracks into 99 groups maximum.

Forming a Group (FORM GROUP)

You can group tracks together. A sequence of tracks that is not registered in any group can be grouped.

Example: Forming tune A, tune B and tune C into a group



Group 1

■While the track which you want to specify as the first in the group (track 1 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "FORM GROUP?".

2 Press SET.

The first track number in the group



• You can also select a track number with TUNING (⏮), TUNING (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET.

4 Press TUNING (⏮) or TUNING (⏭) to select the track number which you want to specify as the last in the group.

(Track number 3 is selected in the example shown on the left.)

The last track number in the group



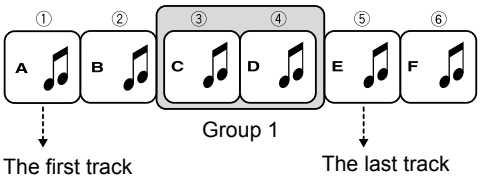
• You can also select a track number with the number buttons. Refer to "Using the number buttons" (☞ page 18).

5 Press SET.

6 Press ENTER.

NOTE

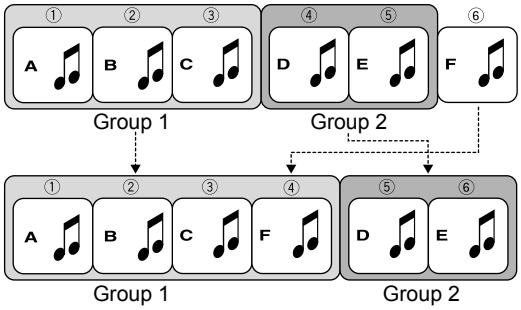
- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).
- If you select a track in another group, "GROUP TRACK" appears and you cannot proceed to the next step.
- If you select a sequence including a track that is registered in another group, "CANNOT FORM!" appears and you cannot proceed to the next step.



Adding a Track to a Group (ENTRY GROUP)

You can add a track to the specified group as the last track of the group.

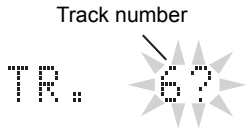
Example: Adding tune F to group 1



■While the track which you want to add to a group (track 6 in the example shown above) is being played back

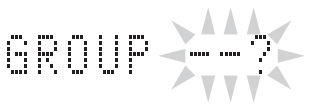
1 Press MD TITLE/EDIT (GROUP) repeatedly to select "ENTRY GROUP?".

2 Press SET.



• You can also select a track number with TUNING ⊖ (⏮), TUNING ⊕ (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).

3 Press SET.



4 Press GROUP/TITLE SKIP (⏮) or GROUP/TITLE SKIP (⏭) to select the group to which you want to add the track.

(Group 1 is selected in the example shown above)

5 Press SET.

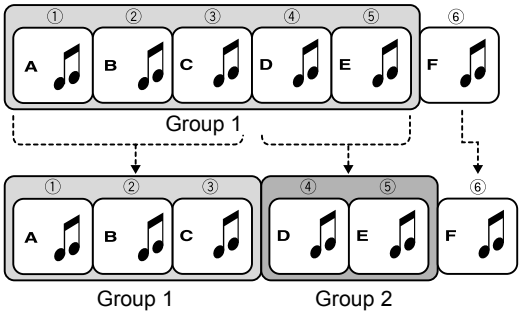
6 Press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).
- If you select a track already belonging to the group, "CANNOT ENTRY!" appears and you cannot proceed to the next step.

Dividing a Group into Two Groups (DIVIDE GR.)

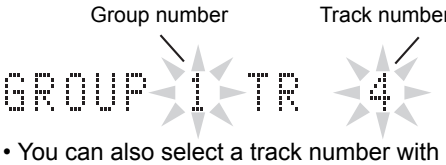
Example: Dividing group 1 into two groups



■While the track which you want to specify as the first in the second group (track 4 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "DIVIDE GR.?".

2 Press SET.



• You can also select a track number with TUNING ⊖ (⏮), TUNING ⊕ (⏭) or the number buttons. Refer to "Using the number buttons" (☞ page 18).
• You can also select a group number with GROUP/TITLE SKIP (⏮) or GROUP/TITLE SKIP (⏭).

3 Press SET.

4 Press ENTER.

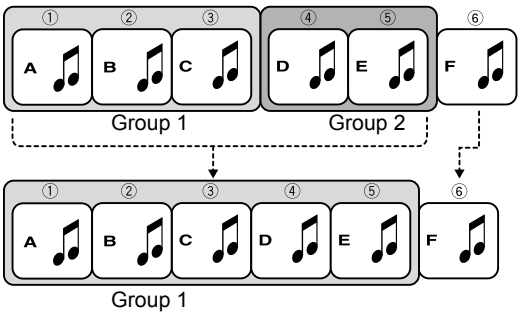
NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).
- If you select the first track in the group or a track not belonging to the group, you cannot proceed to the next step.
- When you divide a group that has a title, the same title is given to both divided sections.

Joining Groups (JOIN GROUP)

You can join two adjacent groups.

Example: Joining group 1 and group 2



■While the track in the second group to which you want to join the first group (group 2 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "JOIN GROUP?".

2 Press SET.



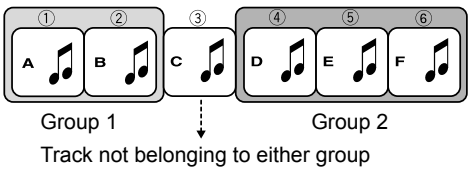
- Two adjacent group numbers appear.
- You can also select a group number with GROUP/TITLE SKIP (I<<) or GROUP/TITLE SKIP (>>I).

3 Press SET.

4 Press ENTER.

NOTE

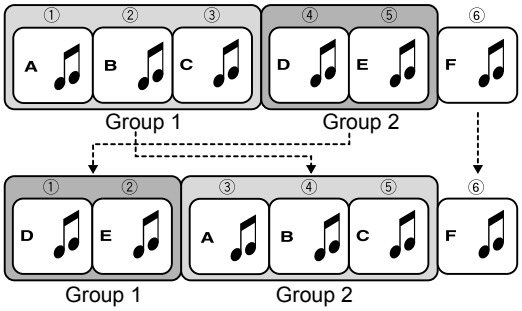
- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).
- You cannot join two groups separated by a track not belonging to either group. "CANNOT JOIN" appears, and display returns to the previous step.



- When you join two groups that have titles, the title of the first group remains as the title of the joined group.

Moving a Group (MOVE GROUP)

Example: Moving group 2



■While a track in the group you want to move (group 2 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "MOVE GROUP?".

2 Press SET.



- You can also select a group number with GROUP/TITLE SKIP (I<<) or GROUP/TITLE SKIP (>>I).

3 Press SET.

4 Press GROUP/TITLE SKIP (I<<) or GROUP/TITLE SKIP (>>I) to select the group number to which you want to move the specified group.
(Group 1 is selected in the example shown above)



5 Press SET.

6 Press ENTER.

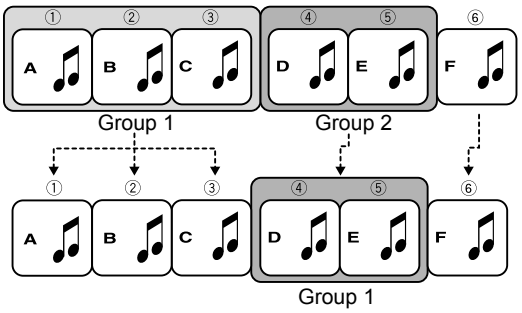
NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).

Canceling a Group (UNGROUP/UNGROUP ALL)

Canceling a specified group (UNGROUP)

Example: Canceling group 1



■While a track in the group you want to cancel (group 1 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "UNGROUP?".

2 Press SET.

Example: When you want to cancel group 1

GROUP 1?

• You can also select a group number with GROUP/TITLE SKIP (I<<) or GROUP/TITLE SKIP (>>I).

3 Press SET.

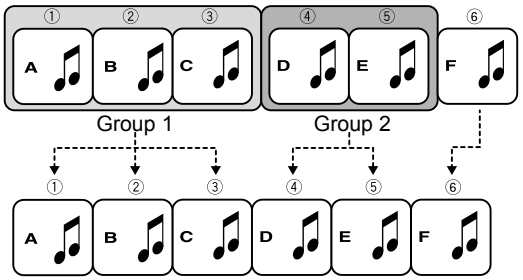
4 Press ENTER.

NOTE

• During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).

Canceling all groups (UNGROUP ALL)

Example: Canceling all groups



1 Press MD TITLE/EDIT (GROUP) repeatedly to select "UNGROUP ALL?".

2 Press SET.

3 Press ENTER.

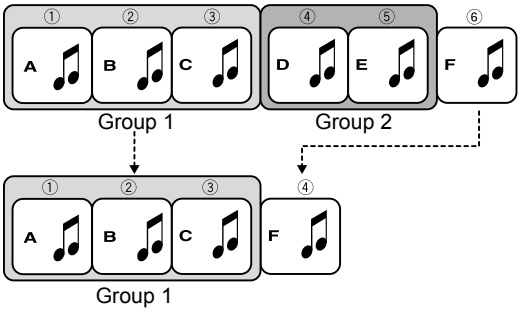
NOTE

• You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).

Erasing a Group (ERASE GROUP)

You can erase a group including all tracks in the group.

Example: Erasing group 2



CAUTION

- Once you erase a track, you cannot retrieve it. Before erasing a track, confirm that you no longer need it.

■While a track in the group you want to erase (group 2 in the example shown above) is being played back

1 Press MD TITLE/EDIT (GROUP) repeatedly to select "ERASE GROUP?".

2 Press SET.



- You can also select a group number with GROUP/TITLE SKIP (I<<) or GROUP/TITLE SKIP (>>I).

3 Press SET.

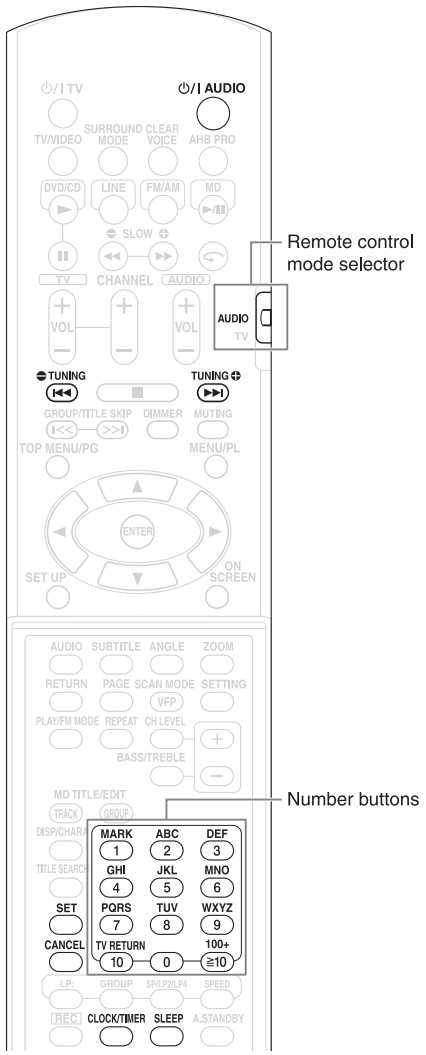
4 Confirm that you no longer need the tracks, and then press ENTER.

NOTE

- During editing, you can return to the previous step by pressing CANCEL. You can quit the editing operation by pressing MD TITLE/EDIT (GROUP).

Using the Timers

Set the clock beforehand (☞ page 18).



CAUTION

- Set the remote control mode selector to AUDIO before using the number buttons.



Sleep Timer

When the specified time passes, the main unit automatically turns off.

Press SLEEP.

- Each time you press SLEEP, the time display (in minutes) changes as follows.

10 → 20 → 30 → 60 → 90 → 120 → 150 → Cancel (Sleep indicator disappears.)

Example: Display while the sleep timer is set to 60 minutes



NOTE

- When you set the sleep timer, the display window automatically dims.
- Before the clock has been set (While "0:00" is flashing), when you press SLEEP, "CLOCK ADJUST!" appears (☞ page 18).

Changing the sleep timer setting

- Press SLEEP repeatedly to select the time again.

Confirming the sleep timer setting (remaining time)

- With the sleep timer activated, press SLEEP once.

To Go to Bed Using Sleep Timer and to Wake Up Using DAILY Timer

1 Set DAILY Timer (☞ page 67).

2 Play the sound source you want to listen to.

3 Press SLEEP to set the sleep timer.

- Once the specified time has been reached, power is automatically turned off, and it is turned on again at the time to which DAILY Timer has been set.

Recording Timer

You can use the recording timer function to record FM/AM broadcasts or sound from other equipment to an MD.
This operates only once after it has been set.

NOTE

- Timer settings remain unchanged until the timer is replaced by new setting.

1 Prepare to record.

Radio	Preset the radio station whose broadcast you want to record. (☞ page 20)
Other equipment	Follow the operation manual for the equipment.
MD recording	Insert an MD. (☞ page 45)

2 Press CLOCK/TIMER twice to go to the start time setting display for REC Timer.



3 Press TUNING ⏮, TUNING ⏭ or SET to set the starting time and ending time.

- You can use the number buttons to set the recording time. Refer to "Using the number buttons" (☞ page 18).
- For setting the clock, refer to "Setting the Clock" (☞ page 18).

Entering the "hour" → SET → Entering the "minute" → SET

4 Press TUNING ⏮ or TUNING ⏭ to select "TUNER FM/AM", "LINE" or "LINE DIGITAL1/2" to select the sound source to be recorded.

■When you want to record an FM/AM radio broadcast

- Press SET, and then press TUNING ⏮, TUNING ⏭ or the number buttons to select the preset number of the radio station whose broadcast you want to record. Refer to "Using the number buttons" (☞ page 18).

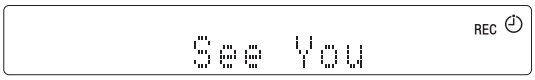
5 Press SET.

6 Press TUNING ⏮ or TUNING ⏭ to select the MDLP mode (☞ page 52).

7 Press SET.

- The settings appear in the display window.

8 When the main unit is on, press ⏻/I AUDIO to turn off the main unit.



- While the recording timer is functioning, the volume is set to "0" and no sound is produced from the speakers or headphones.
- The recording timer is available only when the main unit is turned off.

NOTE

- During operation, you can return to the previous step by pressing CANCEL. You can quit the recording timer settings by pressing CLOCK/TIMER. The settings are not stored.
- When you want to change the track mark options, make the change before or after setting the recording timer. (☞ step 3 and 4 on page 54)

Canceling the recording timer

Press CLOCK/TIMER once to display "REC TIMER" and then press CANCEL. In the display window, ⏲ and "REC" will have disappeared. When REC Timer is finished, these displays will also disappear.

Activating the recording timer again

The settings for REC Timer are recorded in the memory. Press CLOCK/TIMER once to display "REC TIMER" and then press SET. The settings details will be displayed one by one, after which ⏲ and "REC" will be displayed.

NOTE

- When the power plug is disconnected or the power is interrupted, the recording timer settings may be lost. If the settings are lost, set the clock and recording timer again.

DAILY Timer (Alarm Timer)

This operates at the same time every day, like an alarm clock.

1 Prepare the sound source you want to play back.

Disc	Make sure that a disc is loaded. (☞ page 22)
MD	Insert an MD. (☞ page 45)
Radio	Preset the radio station whose broadcast you want to listen to. (☞ page 20)
Other equipment	Follow the operation manual for the equipment.

2 Press CLOCK/TIMER four times to go to the start time setting display for DAILY TIMER.



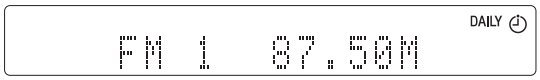
3 Press TUNING ⏮, TUNING ⏭ or SET to set the starting time and ending time.

- You can use the number buttons to set the playback time. Refer to "Using the number buttons" (☞ page 18).
- For setting the clock, refer to "Setting the Clock" (☞ page 18).

Entering the "hour" → SET → Entering the "minute" → SET

4 Press TUNING ◀◀ or TUNING ▶▶ to select the sound source you want to play back.

Example: When you want to listen to an FM broadcast



- When you want to listen to sound from other equipment, you cannot use the playback timer function to start playback on any equipment other than this product.
- You cannot use the playback timer function together with program playback, repeat playback, random playback, or group playback of a disc or MD.

■When you want to listen to an FM/AM radio broadcast

- (With "TUNER FM" or "TUNER AM" selected) Press SET, and then presss TUNING ◀◀, TUNING ▶▶ or the number buttons to select the preset number of the radio station whose broadcast you want to listen to (☞ page 20). Refer to "Using the number buttons" (☞ page 18).

■When you want to play back a DVD VIDEO or DVD AUDIO

- (With "DISC" selected) Press SET twice. Regardless of the displayed numbers of group (G) and track (T), you can play back a DVD VIDEO or DVD AUDIO only from the beginning of the disc.

■When you want to play back a CD, VCD, SVCD or MD

- (With "DISC" selected) Press SET twice, and then press TUNING ◀◀, TUNING ▶▶ or the number buttons to select the number of a track (T) from which you want to start playback. Refer to "Using the number buttons" (☞ page 18). The group number (G) is ignored.

■When you want to specify a track from which you want to start playback on an MP3 or WMA

- (With "DISC" selected) Press SET, press TUNING ◀◀, TUNING ▶▶ or the number buttons to select the group number (G) to be played back, press SET, and then press TUNING ◀◀, TUNING ▶▶ or the number buttons to select the track number (T) to be played back. Refer to "Using the number buttons" (☞ page 18).

■When you select "LINE" ,"LINE-DIGITAL1" or "LINE-DIGITAL2", just proceed to step5.

5 Press SET.

6 Press TUNING ◀◀ or TUNING ▶▶ to adjust the playback volume.

7 Press SET.

- The settings appear in the display window.

8 When the main unit is turned on, press ⏻/I AUDIO to turn off the main unit.



- The DAILY timer is available only when the main unit is turned off.

NOTE

- During operation, you can return to the previous step by pressing CANCEL. You can quit the playback timer settings by pressing CLOCK/TIMER. The settings are not stored.
- When the playback timer starts, the volume gradually increases to the selected level.

Canceling the daily timer function

Press CLOCK/TIMER three times to display "DAILY TIMER" and then press CANCEL. In the display window, ⏲ and "DAILY" will have disappeared.

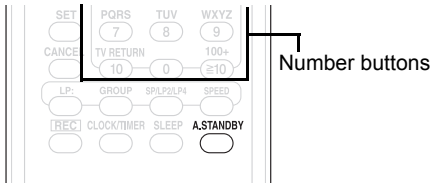
Activating the daily timer again

The settings for DAILY Timer are recorded in the memory. Press CLOCK/TIMER three times to display "DAILY TIMER" and then press SET. The settings details will be displayed one by one, after which ⏲ and "DAILY" will be displayed.

NOTE

- When the power plug is disconnected or the power is cut, the playback timer settings may be lost. If the settings are lost, set the clock and playback timer again.
- When you operate the playback timer with a DVD VIDEO, DVD AUDIO or VCD, sound and video may not be played back automatically. A DVD VIDEO, DVD AUDIO or VCD may contain a disc menu that appears first when played back. Sound or video will not come out before you select the desired item to be played back on the disc menu.

Auto Standby

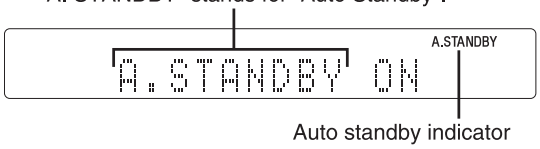


If no sound is produced for 3 minutes when a sound source other than the FM/AM radio is selected, the main unit automatically turns off.

■When a sound source other than the FM/AM radio is selected

Press A.STANDBY.

"A. STANDBY" stands for "Auto Standby".



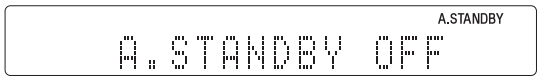
Auto standby performance

While a disc or MD is being played back or recorded:
When playback or recording finishes, auto standby starts the countdown (the "A. STANDBY" indicator flashes). When no operation is carried out within 3 minutes, the main unit automatically turns off.
When you start playback or recording within 3 minutes, auto standby starts the countdown again after playback or recording finishes.
When an operation other than playback and recording finishes and no operation is carried out within 3 minutes, the main unit automatically turns off.

While you are listening to sound from other equipment:
When no sound is produced, auto standby starts the countdown (the "A. STANDBY" indicator flashes). When no operation is carried out within 3 minutes, the main unit automatically turns off.
"A. STANDBY" starts to flash 20 seconds before the main unit is to turn off.

Canceling auto standby

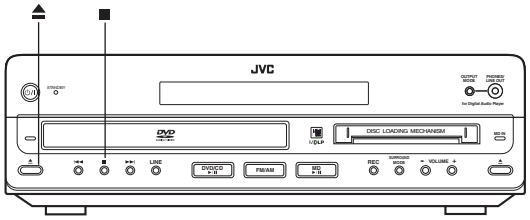
Press A.STANDBY once again.



NOTE

- Leaving the volume at "0" is not the same as producing no sound, and therefore does not start the auto standby function.

Disc/MD Ejection Lock



You can prohibit ejection of a disc and MD.

■When the main unit is turned off

While holding down ■, press ⏏ on the main unit.



Even if you press ⏏, "LOCKED" appears in the display window and the disc or MD does not come out.

In addition, when you press ⏏, while the main unit is turned off, "LOCKED" appears in the display window and the main unit does not turn on.

Canceling the disc/MD ejection lock

■When the main unit is turned off

Carry out the operation explained above once again.

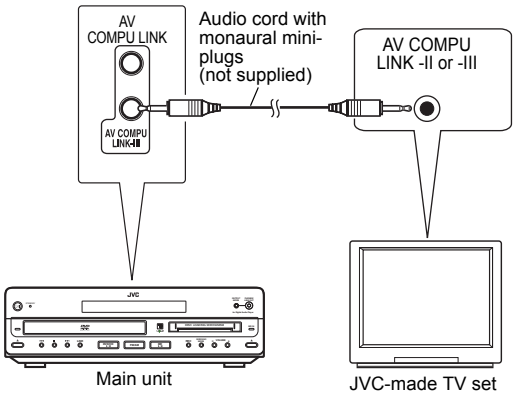


Using AV COMPU LINK

The JVC AV COMPU LINK system allows you to enjoy video or audio with the simplest operation. If your JVC TV set supports the JVC AV COMPU LINK system, simply starting the main unit will automatically make all necessary settings on the TV to allow you to enjoy the playback.

Connection and Setting

• Carefully read manuals of equipment to be connected.



Set the main unit's AV COMPU LINK MODE setting (☞ page 42) as follows.

- When connecting to the VIDEO-1 input terminal of the TV: DVD 2
- When connecting to the VIDEO-2 input terminal of the TV: DVD 3
- When connecting to the VIDEO-3 input terminal of the TV: DVD 1

Operations

You can enjoy sound or video simply by starting playback on the main unit. You do not have to select the input setting for the TV, or turn on the TV beforehand.

1 Turn on the main power to the TV.

2 Insert a disc into the main unit.

3 Press DVD/CD on the main unit.

The following operation is performed automatically.

- The TV set will be turned on.
- TV input will be switched to external input (Video 1, 2 or 3) of the main unit.

When you turn off the main unit, power to the TV is not turned off.

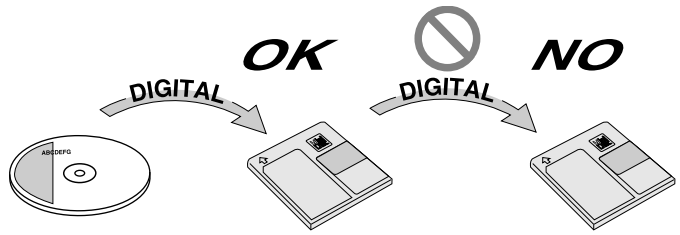
Restrictions on MDs

Because the MD recording method has some restrictions, the following phenomena may occur. The phenomena are not a malfunction of this product.

Phenomenon	Possible cause
"DISC FULL" appears even though recordable time as printed on the MD remains.	Regardless of remaining recordable time, MDs have a limit on the number of recordable tracks. You cannot record 255 or more tracks to an MD. (You can record up to 254 tracks to an MD.)
"DISC FULL" appears even though the track numbers and recordable time have not reached the limit.	Repeated partial erasure and recording creates many blanks on an MD. When you record a track to such an MD, the track is split up and a small portion of the track is recorded into each blank. When the number of such split portions increases, "DISC FULL" may appear. When a split portion is 8 or less seconds (in SP mode (the standard stereo recording mode)), you cannot join the track with another track. In addition, when you erase such portions, remaining recordable time does not increase. With a track split into many portions, fast forward or fast reverse may produce intermittent sound dropouts. You cannot join tracks that have different MDLP modes (SP/LP2/LP4).
You cannot join tracks or groups.	
The remaining recordable time does not increase even after you have erased some tracks.	
Sound drops out intermittently during fast forward or fast reverse.	
Recorded time plus remaining time is shorter than the total recordable time printed on the MD.	MD recording is possible only when there is a blank of consecutive 12 or more seconds (in SP mode) on the MD. Actual recording time is shortened on an MD that contains many blanks.

Serial Copy Management System (SCMS)

The Serial Copy Management System protects copyright and allows only first-generation digital copies from the digitally recordable source.



CAUTION

- The SCMS does not permit you to record sound from a digitally recorded MD to other media as digital sound.
- You cannot digitally record a digitally recorded CD-R/CD-RW to an MD. "SCMS CANNOT COPY" appears and the digital sound is converted to analog.

High Speed Copy Management System (HCMS)

You can record sound to an MD at a higher speed than normal recording. Therefore, restrictions are required in order to protect copyright.

When you use this product to record a track of a CD with the high speed recording function, this product does not then permit you to use the high speed recording function to record the same track of the CD to an MD within 74 minutes of the start of the first recording.

For instance, when you record the track 1 of a CD to an MD with the high speed recording function, you cannot record the track 1 again to an MD with the high speed recording function for 74 minutes after the first high speed recording started. In addition, you cannot record 101 or more tracks within 74 minutes with the high speed recording function.

Handling Discs/MDs

Handling discs

- Do not put adhesive tape or stickers, or write on a disc.
- Do not bend a disc.
- Be sure not to use heart/flower shaped discs or other irregularly shaped discs. The use of such discs damages the main unit.

Cleaning discs



Wipe a disc from the center outward with a soft cloth.

Scratches concentrated on a certain part cause sound dropout.

- Be sure not to use thinners, benzenes, cleaners for analog records, or other chemical agents.

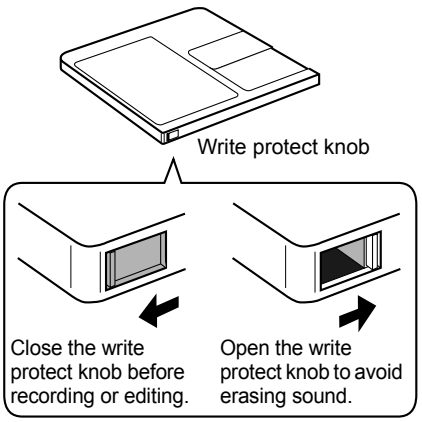
Handling MDs

- Do not open the shutter. Forcibly opening the shutter will break the MD.



Preventing the loss of important recorded sound

- A write protect knob is attached to an MD for preventing accidental erasure of recorded sound.



NOTE

- Do not put labels such as those indicating CD/track titles or other notes on any part of an MD other than the specified position. If you insert an MD with a label extending beyond the specified area, a label that is peeling off, or any other improperly attached label, it may damage the main unit.

Cleaning the main unit cabinet

- Gently dust the cabinet surface with a soft dry cloth. When the cabinet is very dirty, dampen the cloth with a neutral detergent diluted with water, wring out the cloth well, and then wipe the cabinet with the dampened cloth followed by a soft dry cloth.
- Do not wipe the cabinet with thinners or benzenes. Wiping it with these agents may cause discoloration of the cabinet or removal of the paint. Do not spray insecticides or other highly volatile agents onto the cabinet. Do not leave pieces of rubber or plastic on the cabinet for a long period.

MD/Disc Messages

MD message	Meaning	Possible solution
CANNOT ENTRY!	The track has already been in the selected group.	Select an appropriate track. (☞ page 61)
CANNOT FORM!	There is a group between the selected tracks.	Select appropriate tracks. (☞ page 60)
CANNOT GROUP!	There is no space for storing more group information. (Group information is stored in the same area as title information.)	You cannot form a group any more on the MD. (Erase the disc or track titles you do not need.)
CANNOT JOIN	You are trying to join tracks that have different MDLP modes (SP/LP2/LP4), or tracks of only 8 or less seconds (in SP mode).	The MD system restricts such operation.
CANNOT LISTEN	You are trying to adjust the volume during high speed recording.	You cannot listen to sound from a CD during high speed recording.
CANNOT REC	You are trying to operate one-track-recording with a VCD or SVCD during PBC playback.	Set PBC to off (☞ page 24).
CANNOT TITLE	You are trying to enter a total of 1793 or more characters to an MD.	You cannot enter more titles.
READ ERROR	The main unit cannot read the MD.	Turn off the main unit. If the same message appears again, the MD may be damaged. Replace the MD.
DISC FULL	There is no more space in the MD, or you are trying to record 255 or more tracks.	Replace the MD. (☞ page 71).
DISC PROTECTED	The MD is write-protected.	Close the write protect knob on the MD. (☞ page 72).
EMERGENCY STOP	A malfunction occurred during recording.	Press ⏺ to quit recording, press ⏏ to eject the MD, and then start recording again.
GROUP FULL	You are trying to form 100 or more groups.	You can form up to 99 groups.
GROUP TRACK	You are trying to form a group with a track already belonging to another group.	Select tracks that do not belong to any groups. (☞ page 60)
LOAD ERROR	The MD is not properly loaded.	Insert the MD properly.
MD NO DISC	No MD is loaded.	–
PLAYBACK DISC	You are trying to edit or record to an MD which is designed only for playback.	Replace the MD with a recordable MD.
SCMS CANNOT COPY	You are trying to make a digital audio duplication of a CD-R or CD-RW.	Operate analog recording at normal speed. (☞ page 51)
TRACK PROTECTED	You are trying to divide, join, or erase tracks which are recorded in the Net MD format.	Edit the tracks on equipment compatible with Net MD.
	The tracks are write-protected by equipment other than this product.	Edit the tracks with the equipment on which the tracks were recorded.
HCMS CANNOT COPY	You are trying to record a track with the high speed recording function within 74 minutes of starting to record the same track with the high speed recording function.	Wait 74 minutes, or change from high speed recording to normal speed recording.
BLANK DISC	There are no tracks in the MD.	–

Disc message	Meaning	Possible solution
CANNOT PLAY	You are trying to play back an unplayable disc or a disc that has many scratches.	Replace the disc.
NO DISC	No disc is loaded.	–
NO AUDIO	The disc may be an illegally copied disc.	You cannot listen to the disc.
LR ONLY	You are playing back a multi-channel track for which down-mix is prohibited.	This is normal operation.
	The surround is turned "OFF" or headphones are connected to the main unit.	Set the surround mode and play back the disc with headphones being disconnected.
MULTI CH	You are trying to turn the surround "OFF" while multi-channel sound where down mix is not allowed was being played.	This is normal operation. If you wish to play the sound with surround "OFF", pause once, turn surround "OFF" and then restart.

Troubleshooting

Problem	Possible cause	Possible solution	Reference page
No sound/video is produced.	Improper connection.	Connect all cords properly.	14
	Headphones are connected.	Disconnect the headphone plug.	10
The clock display is flashing.	A power failure occurred or the power plug was disconnected.	Reset the clock.	18
Disc playback does not start.	The disc is upside down.	Place the disc on the disc tray with the letter-printed surface facing up.	22
	Moisture has condensed on the lens.	Leave the main unit turned on, wait for approximately 1 or 2 hours, and then operate the main unit.	3
A certain point cannot be played back properly.	The disc is scratched or dirty.	Clean or replace the disc.	72
	An error occurred on the MD.	Record to the MD again.	51
You cannot record an MD.	The MD is write-protected.	Cancel the write-protection.	72
A radio broadcast cannot be received.	No antenna is connected.	Connect an antenna.	13
A whirring noise is produced.	The main unit is located close to a TV, computer, or other electric appliance.	Place the main unit away from a TV, computer, or other electric appliance.	3
You cannot set the timer.	You did not set the clock.	Set the clock.	18
The timer does not work.	The main unit is turned on.	After setting the timer, turn off the main unit.	66, 68
You cannot operate the remote control.	The remote control batteries are running low.	Replace the batteries with new batteries.	11
You cannot operate the main unit with the number buttons on the remote control.	The remote control mode selector on the remote control is set to TV.	Set the remote control mode selector to AUDIO.	18
The sound is not produced from the sub-woofer.	The sub-woofer setting (SUB WFR) is "OFF".	Turn on the sub-woofer setting (SUB WFR).	39

●If this product does not function properly even after you have implemented the possible solutions given above

Many functions of this product are implemented by microcomputers. If malfunction is caused by thunder or static electricity, or the main unit does not function properly even when you press a button, disconnect the power plug from the AC outlet, wait for a while, and then connect this product again. Then reset the clock**.**

FAQ

■About Disc

Q: Can I play DVD videos or video CDs I purchased in foreign countries?

A: If the region number (local number) includes "ALL" or "3", and the video format is NTSC, you can play DVD videos. About video CDs, if the video format is NTSC or PAL, you can do it.
Check the cover of your disc.

Q: Is it possible to play a DVD video without a region number (local number)?

A: Discs with region numbers (local numbers) show that they meet standard requirements. DVD videos that do not meet standard requirements cannot be played.

■About Sound

Q: Can I play discs with "Dolby Digital EX" printed?

A: You can, as Dolby Digital EX is compatible with Dolby Digital.
However, if you wish to obtain the original effect, you need to connect the unit to a compatible amplifier or a receiver with a built-in surround decoder or decoder, by using the unit's digital output terminal. To do this, set [Digital OUT] to "Stream/PCM" in the sound setting screen of the unit.

Q: Can I play discs with "DTS ES" printed?

A: Yes you can.
However, if you wish to obtain the original effect, you need to connect the unit to a DTS ES enabled amplifier or a receiver with a built-in surround decoder or decoder, by using the unit's DVD digital output terminal. To do this, set [Digital OUT] to "Stream/PCM" in the sound setting screen of the unit.

Q: What sort of disc has "THX" printed on it? Can I play that disc on this unit?

A: Yes you can.
"THX" is a name of an original division and standard for high quality recording of pictures/sounds or playback established by Lucasfilm Ltd in the U.S. It designates the discs and equipment that meet that standard, but it does not designate a recording format type.

Q: When both MP3/WMA format and audio CD format are recorded on a single CD, can I play both of them?

A: In that case, because the tracks have been recorded with data CD format, the tracks on the audio CD cannot be played back. You can play back only the MP3/WMA format tracks.

Q: Dolby digital discs sometimes contain two types of surround sounds; 5.1-channel surround and Dolby surround. What is the difference?

A: Both are surround sound standards developed by Dolby Institute in the U.S. Dolby surround is created by recording the surround components (2ch) on top of the regular analog stereo sounds (left/right), and then separates and plays back the sounds using Dolby surround and Dolby Pro Logic decoder.
With Dolby digital (5.1ch-surround), a maximum 6-channel system in total, which includes the front left, the front right, the center, the rear left, the rear right, and LFE (Low Frequency effect: for lower sound signals such as sub-woofers) can be digitalized, compressed and independently recorded before they are played back using Dolby Digital decoder.
Although it depends on how the sounds are recorded, generally speaking, Dolby digital produces better a sound field effect.

■About Picture

Q: I can see small mosaic-like patterns on the screen of DVD videos or video CDs. Does this mean there is something wrong with the unit?

A: This is something unique to digitally recorded moving pictures (block noise) and that does not mean there is something wrong with the unit.

■Others

Q: Some discs do not respond to the operations explained in this Users Manual.

A: Some discs may not respond to the operations on this unit, because of reasons such as the contents creators' intentions or structural limitations.

Q: Can I record DVD video contents onto a videotape?

A: Since most DVD contents are copy protected, you cannot record the contents to a videotape.

Q: Can I record with this unit?

A: No you cannot.

Glossary

B.S.P.
Static pictures from DVD audios may include not only the pictures displayed automatically together with the audio playback, but also the pictures that can be optionally selected by users. These pictures are called B.S.P (Browsable Still Picture).

Component
This is one of the video signals and refers to the signal of the three primary colors of light (R/G/B) and the other picture signal (color difference signal: Y /CB/ CR) that has been efficiently converted based on R/ G/B. Since each signal is transmitted via a separate signal line, it makes it possible to transmit high quality pictures.

Dolby Digital
This is one of the surround modes. It is capable of dealing with up to 5.1 channel in total, which includes front 3-channel, surround 2-channel, and sub-woofer 0.1-channel.

Dolby Surround
This is one of the surround modes. It records the total 4-channel sound signals of front surround into 2-channel signals and then converts them back to 4-channel signals via a special decoder when they are played back. Since the sounds are recorded with 2-channel, you can produce natural sounds even if you connect it to stereo equipment.

Down Mix
This refers to the function that allows you to play back the multi-channel sound tracks recorded with a surround mode (3 or greater channels), mixing with stereo 2-channel sounds.

D-Range Control
This function allows you to understand relatively low sounds such as dialog clearly, even if you turn down the volume of the TV in a loud volume scene, when playing a DVD video recorded with Dolby Digital.

DTS (Digital Theater System)
This is one of the surround modes that offer a maximum 5.1ch (same as Dolby Digital). Since this format uses low sound compression rate, thicker sounds with less noise can be produced.

Dynamic Range
This refers to the difference between the largest point and the smallest point of the sound level.

Interlace Scanning (Jump Scanning)
This is a traditional video format, mainly used by TV.

JPEG (Joint Photographic coding Experts Group)
This is a static picture information compression format this is used widely for Internet and digital cameras.

Linear PCM Sound
This is one of the methods that convert analog sound signals into digital sound signals. It does not require compression at all at the time of conversion.

MLP (Meridian Lossless Packing)
This is a name of the multi-channel sound compression format employed by DVD audios. The compression ratio is about 1/2, and the compressed data can be completely restored because a reversible data compression method is available. It allows you to play back high quality sounds.

MP3 (MPEG-1 Audio Layer-3)
This is the international standard for sound information compression format that allows you to compress data to one tenth its original size, without greatly impairing the original sound quality.

MPEG Audio
This is a surround format that allows you to compress sound data. It is capable of handling a maximum 7.1 channels.

NTSC
This is the TV/video format used in countries such as Japan and the U.S. In European countries, other formats (PAL or SECAM) are used. Since the number of frames and the number of scanning lines are different, the two formats are incompatible with each other.

Packet write method
This is one of the methods used to record data onto CD-R/RW that allows you to further divide tracks before recording, depending on the free space available on the disc. This unit is unable to play back the sounds on CD-R/RW discs that have been recorded using this method.

PBC (Playback Control)
This is the signal recorded with Video CDs (Version2) to control the playback operation. You can use the menu screen of recorded PBC enabled video CDs to run interactive software and software with searching capabilities. Furthermore, with video CDs on which high definition still pictures are recorded, it allows you to playback the still picture using resolution more than four times larger than that for playing moving pictures.

Progressive scanning method (sequential scanning)
This is the scanning method, used with DVD videos and others, that enables you to display high quality pictures without the flickering that normally accompanies pictures produced using the interlacing scanning method.

Region Number (Managing areas where tracks can be played)
This refers to the system in which tracks on a disc can be played only in the specified areas. You cannot play tracks on a disc if the region number on the disc and the region number on the DVD player do not correspond.

Resume Playback
It refers to resuming playback from the point where you have paused.

Screen Saver
Displaying a still picture on a TV screen for a long time may sometimes cause screen burning, leaving a burned-in image of the still picture. The screen saver function prevents it from occurring.

VFP (Video Fine Processor) function
This is our original function that enables fine-tuning (adjustment) of pictures. It allows you to adjust items such as gamma correction to select brightness, contrast, and intermediate brightness of the pictures, depending on the preferences you make for your software or room conditions. It even enables you to display smooth pictures with deep tones, thus producing a level of picture quality in movie films that has been difficult to achieve so far.

WMA (Acronyms for Windows MediaR Audio)
This is the sound compression format developed by Microsoft Corporation in the U.S.

Specifications

■MD/DVD receiver (CA-NXDD30)

Amplifier

Output power	Front: 30 W + 30 W at 4 Ω (10% THD) Surround: 30 W + 30 W at 4 Ω (10% THD)
Input terminals	
<Analog>	LINE × 1, 500 mV/47 kΩ
<Digital>	Digital optical input × 2 -23 dBm to -15 dBm (Optical square terminal) (Compatible with frequency of 32 kHz, 44.1 kHz and 48 kHz)
Output terminals	
<Analog>	Front speaker × 2 Impedance 4 Ω - 16 Ω Center surround speaker × 2 Impedance 4 Ω - 16 Ω PHONES/LINE OUT × 1 Impedance 16 Ω - 1 kΩ (when using PHONES) Output impedance 22 Ω (when using LINE OUT) Sub-woofer × 1
<Digital>	DVD/CD optical output × 1 -23 dBm to -15 dBm (Optical square terminal)
<Other>	AV COMPU LINK × 2 (ϕ 3.5) VIDEO × 1 S-VIDEO × 1 COMPONENT × 1

Tuner

Frequency	FM: 87.50 MHz - 108.00 MHz AM: 531 kHz - 1710 kHz (9kHz STEP) 530 kHz - 1710 kHz (10kHz STEP)

Antenna

	FM: 75 Ω Unbalanced AM: Loop antenna

Timer

Timer Format	1 Program behavior (switch between ONCE REC and DAILY)
<Sleep timer>	10, 20, 30, 60, 90, 120, 150 minutes (Auto dimmer)
<Clock display>	24-hour format

DVD player

Playable discs	DVD VIDEO, DVD AUDIO, CD, VCD, SVCD, CD-R/CD-RW (CD/VCD/SVCD/MP3/WMA/JPEG/DivX/ASF format), DVD-R/DVD-RW (video format, DVD VR format, MP3/WMA/JPEG/DivX/ASF format), +R/+RW (video format)

MD recorder

Audio playing system	MiniDisc digital audio system
Recording system	Magneto-optical overwrite system
Reading system	Non-contact, semiconductor laser pickup
Recording/Playback time (when using an 80-minute MD)	SP: 80 minutes LP2: 160 minutes LP4: 320 minutes
Sampling frequency	44.1 kHz
Audio compression system	ATRAC (Adaptive TRansform Acoustic Coding)/ATRAC3 (MDLP)
Number of channels	2 channel, stereo

General

Power source	AC 220 V∿, 50 Hz
Power consumption	30 W (at operation) 1.3 W (on standby, display off)
Dimensions	260 mm (W) × 80 mm (H) × 345 mm (D)
Mass (approx.)	3.1 kg

■Speaker

Front (SP-NXDD30F)

System	2-way bass reflex type, magnetically shielded type
Speakers	Woofer: 10 cm × 1 Tweeter: 4 cm × 1
Power handling capacity	30 W
Impedance	4 Ω
Frequency range	55 Hz - 40 kHz
Sound pressure level	84 dB/W•m
Dimensions	127 mm (W) × 273 mm (H) × 218 mm (D)
Mass (approx.)	2.6 kg (1 unit)

Center surround (SP-NXDD30S)

System	2-channel single unit system, 1-way closed type, magnetically shielded type
Speaker	9.5 cm × 1 cm, slim direct-drive speaker/channel
Power handling capacity	30 W
Impedance	4 Ω
Frequency range	140 Hz - 20 kHz
Sound pressure level	79 dB/W•m
Dimensions	296 mm (W) × 50 mm (H) × 45 mm (D) (including speaker stand)
Mass (approx.)	0.7 kg (including speaker stand and speaker cord)

• U.S. and foreign patents licensed from Dolby Laboratories.

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常 用 标记表示经常使用的操作。仅需阅读这些部分即可快速掌握本产品的常规使用。

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操作须知

本机的适当放置

为减少维修并保持本产品的高品质，请勿将本机放置于下列地方：

- 高湿度或多尘的地方
- 不平稳的表面
- 靠近热源
- 靠近电脑、荧光灯或其他电器
- 通风不足的狭小房间
- 阳光直射的地方
- 极冷的地方
- 强烈震动的地方
- 靠近电视机、其他放大器或调谐器
- 靠近磁源

注 意

- 本产品的操作温度为 5℃ 到 35℃。在该温度范围之外使用可能导致本产品故障或损坏。

结露

在下列情况下，由于本机的镜头上形成结露，可能导致无法正确操作本产品：

- 刚刚打开空调加热房间时
- 将本机放置于高湿度地方时
- 将本机从冷的地方搬到暖的地方时

结露形成时，请将本机电源打开，等待 1 至 2 小时，然后操作本机。

清洁本机

操作面板变脏时，请使用柔软、干燥的布掸去灰尘。操作面板非常脏时，请使用由少量中性洗涤剂润湿的布擦拭操作面板，然后用柔软、干燥的布擦拭。

注 意

- 请勿使用稀释剂、苯或其他化学试剂擦拭操作面板。请勿将杀虫剂喷洒到操作面板上。否则，可能导致褪色和表面的损坏。

聆听规则

使用耳机时，请将音量保持适当，避免过度刺激您的耳朵。

■通过扬声器欣赏声音时，请将音量调节到合适大小，避免打扰您的邻居。
即使低音量也会传得很远，尤其是在夜晚。请关闭窗户或使用耳机，避免打扰您的邻居。

- 经 Dolby Laboratories 授权制造。“Dolby”、“MLP Lossless” 和双 D 标志是 Dolby Laboratories 的商标。
- “DTS” 和 “DTS Digital Surround” 是 Digital Theater Systems, Inc. 的注册商标。
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- DVD 图标是 DVD Format/Logo Licensing Corporation 的注册商标。
- “Official DivX Certified™ product”、“Plays DivX®5、DivX®4、DivX®3 和 DivX®VOD video content（符合 DivX Certified™ 技术要求者）”、“DivX，DivX Certified” 和关联图标为 DivXNetworks 公司的商标。版权所有，翻印必究。

可供播放的 DVD/CD 光盘类型

	CD-R/ CD-RW	DVD-R	DVD-RW
音频 CD 格式	可播放	—	—
VCD/SVCD 格式	可播放	—	—
MP3/WMA/JPEG 格式	可播放	可播放 [1]	可播放 [1]
DVD VIDEO 格式	—	可播放	可播放
DVD VR 格式	—	可播放 [2]	可播放 [2]
DivX 格式	可播放	可播放 [3]	可播放
ASF (Advanced Systems Format)	可播放	可播放	可播放

- 光盘应在终结录制后再进行播放。

1 在 MP3/WMA/JPEG 光盘中，只有以 ISO 9660（即 UDF Bridge）标准格式化的光盘才可以播放。

2 只有在 DVD-RW 符合 CPRM（Content Protection for Recordable Media）的情况下，才能使用 DVD VR 格式。

3 DivX 格式的 DVD-ROM 也可以播放。

可以播放已终结录制的 +R/+RW （仅限于 DVD VIDEO 格式）光盘。装入 +R/+RW 光盘时，前显示面板上的 “DVD” 点亮。

某些光盘可能因其特性、录制条件、或光盘损坏或脏污等原因而无法播放。

下列光盘只能播放声音：

MIX-MODE CD　　CD-G

CD-EXTRA　　CD TEXT

DVD VIDEO 的地区代码

DVD 播放机和 DVD VIDEO 光盘均有各自的地区代码编号。本产品只能播放以地区代码 “3”（或包含 “3” 在内的任意地区代码）或 “ALL” 录制的 DVD VIDEO。

例如：



如果装载了地区代码编号不正确的 DVD VIDEO 光盘，“区域代码错误！” 会出现在电视机屏幕上，并且无法播放光盘。

- **对于某些 DVD VIDEO、DVD AUDIO、VCD、SVCD 或 DivX 光盘，它们实际的操作可能与本说明书中的说明有所不同。这是由于光盘编程和结构的原因，并非产品出现故障。**

您可以播放的光盘：

光盘类型	标记（图标）
DVD VIDEO	
DVD AUDIO	
VCD	
SVCD	
CD	
CD-R	
CD-RW	
DivX	

关于 CD-R/CD-RW 和 DVD-R/DVD-RW

- 在某些情况下，由于光盘特性、录制条件、光盘上的擦伤和污垢、或镜头上的污垢或结露等原因，造成光盘无法播放。
- 使用光盘之前，请仔细阅读光盘的相关注意事项。
- 本产品不支持声音文件（如 MP3）的播放或 CD 文本显示。
- 如需在本产品上播放 CD-RW 或 DVD-RW，如果 CD-RW 或 DVD-RW 以左侧说明格式以外的其他格式录制，请清除所有曲目。使用未清除所有曲目的 CD-RW 或 DVD-RW 时，可能会由于音量突然提高而导致扬声器或其他部件的损坏。

无法播放的光盘

- 下列光盘无法播放：

  DVD-ROM （MP3/WMA/JPEG/ASF/DivX 格式除外）, DVD-RAM, CD-ROM, CD-I（CD-I Ready），相片 CD, SACD 等。

  播放这些光盘会产生噪声和损坏扬声器。
- 损坏的光盘和特殊形状的光盘 （除直径为 12 cm 或 8 cm 的光盘外）无法播放。
- JVC 并不保证未经 CD-DA（一种 CD 规格）授权的光盘的操作和音质。

  播放之前，请检查标记和阅读包装上印刷的注意事项确认光盘符合该 CD 规格。

双碟播放之注意事项：

“双碟”的非 DVD 碟面与 “压缩碟片数码音频”标准不兼容。因此，建议您不要在 JVC 产品上播放双碟的非 DVD 碟面。

有关 MP3/WMA/JPEG/ASF/DivX 光盘

可播放的 MP3/WMA/JPEG/ASF/DivX 光盘和文件

- 可播放 ISO 9660 格式录制的 CD （“包写入”格式 （UDF 格式）录制的 CD 除外）。
- 也可播放多重区段格式录制的 CD。
- 可播放以 “.mp3”、“.wma”、“.jpg”、“.jpeg”、“.asf”、“.divx”、“.div” 或 “.avi” 扩展名 （大小写字母混用也可）结尾的文件。
- 本产品不能播放以多重区段或多重边界格式录制的 DVD。

有关 MP3/WMA/JPEG/ASF 光盘和文件的说明

- 光盘可能无法播放，或因录制条件或特性而需要花较长时间读取。
- 读取时间因录制在光盘上的群组数或曲目 （文件）数而不同。
- 如果在 MP3/WMA/JPEG/ASF 文件名中使用除单字节英语字符之外的字符，曲目 / 文件名称将无法正确显示。
- MP3/WMA 控制屏幕上显示的曲目 / 群组顺序以及 JPEG 控制屏幕上显示的文件 / 群组顺序可能与显示在 PC 显示器屏幕上的文件 / 文件夹顺序不同。
- 对于 MP3/WMA 光盘，由于群组 / 曲目以字母顺序显示，当前市售的 MP3/WMA 光盘的播放顺序可能与光盘标签上指示的顺序不同。
- 播放含有静止图像的 MP3/WMA 文件可能需要更多的时间。消逝的时间从播放开始时显示。如果播放开始，消逝的时间可能无法正确显示。
- 对于 MP3/WMA 文件，推荐取样率为 44.1 kHz、数据传输率为 128 kbps 的光盘。
- 本产品不兼容 MP3i 或 MP3PRO。
- 本产品可以播放基线 JPEG 文件，不包括单色 JPEG 文件。
- 本产品可以播放遵循 DCF （Design Rule for Camera File System）标准拍摄的 JPEG 数据（运用诸如数码相机的自动翻转功能时，数据超出 DCF 标准，因而无法显示图像）。
- 如果数据已经 PC 图像编辑软件处理、编辑和存储，数据可能无法显示。
- 本产品无法播放诸如 MOTION JPEG 的动画图像、除 JPEG 以外的静止图像 （TIFF 等）和带有声音的图像数据。
- 推荐 JPEG 文件使用 640 ×480 像素的分辨率。如果文件以超过 640 ×480 像素的分辨率录制，显示可能花费较长的时间。超过 8192 ×7680 像素分辨率的图像无法显示。
- 本系统支持以 384 kbps 最高比特率和 G.726 音频编码解码器录制的 ASF 文件。

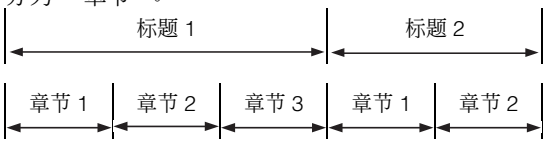
有关 DivX 光盘和文件的说明

- 本系统支持 DivX 5.x、 4.x 和 3.11。
- 本系统支持分辨率为720 x 480像素或更低（30 fps）以及 720 x 576 像素或更低 (25 fps) 的 DivX 文件。
- 音频流应符合 MPEG1 Audio Layer-2 或 MPEG Audio Layer-3（MP3）。
- 本系统不支持 GMC（Global Motion Compression）。
- 以隔行扫描模式编码的文件可能无法正确播放。
- 播放 DivX 光盘可能需要较长时间。播放开始前，不显示消逝时间。也可能无法正确显示消逝时间。

光盘结构

DVD VIDEO

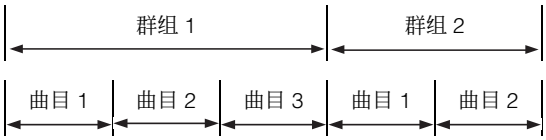
DVD VIDEO 光盘由 “标题” 组成并且每个标题可能分为 “章节”。



DVD AUDIO

DVD AUDIO 光盘由 “群组” 组成并且每个群组可能分为 “曲目”。

某些光盘包含 “赠送群组” ，需要密码才能播放（☞ 第 31 页）。



VCD/SVCD/CD

VCD、SVCD 和 CD 由 “曲目” 组成。

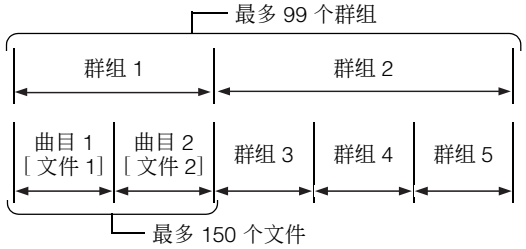
一般来说，每个曲目均有各自的曲目号。（在有些光盘上，每个曲目可能进一步分成若干个索引。）



MP3/WMA/JPEG/ASF/DivX 光盘

在 MP3/WMA/JPEG/ASF/DivX 光盘上，每张静止图像 （素材）以曲目 [文件] 录制。曲目 [文件] 通常被组合成一个文件夹。文件夹可包含其他文件夹，并产生分层结构。

本机简化光盘分层结构并且以 “群组” 的方式管理文件夹。



本产品可以识别单张光盘最多 4000 首曲目 [文件]。另外，本产品可以识别每个群组最多 150 首曲目 [文件] 以及每张光盘最多 99 个群组。由于本机忽略超过 150 的曲目 [文件] 号和超过 99 的群组号，这些曲目 [文件] 和群组无法播放。

- 如果光盘中存在除 MP3/WMA/JPEG/ASF/DivX 文件外的某种类型的文件，这些曲目 [文件] 也将计入文件总数。

彩色制式

关于 TV 模式

本产品适于 NTSC。使用 NTSC 以外其它 TV 模式（如 PAL）的光盘在播放前将被转换为 NTSC 模式。

注

- 某些光盘可能无法正确播放，例如，图像运动可能会不流畅，或者宽高比 （宽度和长度的比率）也可能会发生改变。

特别注意事项

使用须知

■重要注意事项

系统安装

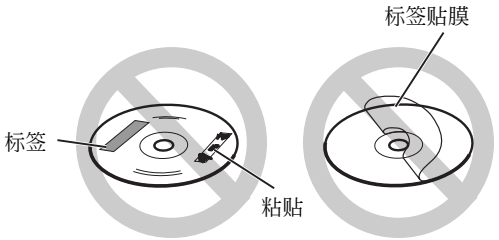
- 选择平稳、干燥、温度适中的地方进行安装－介于 5℃ 和 35℃ 之间。
- 在本系统和电视机之间保持足够的距离。
- 请勿在易受震动的地方使用本系统。

电源线

- 请勿用湿手握持电源线！
- 电源线连接到墙上插座时，总会消耗少量的电量。
- 从墙上插座断开电源线时，请拔插头而不是拔电源线。

为了避免系统出现故障

- 使用者不可以自行维修内部部件。如果出现故障，请拔出电源线并联络您的经销商。
- 请勿将任何金属物体插入系统。
- 请勿使用市售的任何非标准形状的光盘（如心形、花形或信用卡形等），否则可能损坏系统。
- 请勿使用粘有胶带、标签或粘贴的光盘，否则可能损坏系统。



有关版权法的说明

从 CD 上录制之前，请查看您所在国家的版权法。录制有版权的材料可能会侵犯版权法。

■安全注意事项

避免潮湿、水和灰尘

不要将本系统放在潮湿或充满灰尘的地方。

避免高温

请勿将本系统暴露于直射阳光和将本系统放置于加热设备旁边。

当您出门时

当您要出门旅行或者由于其他原因需要较长时间外出时，请将电源线插头从墙上插座拔出。

请勿堵塞通风口

堵塞通风口可能会损坏系统。

机壳的保养

清洁系统时，请使用软布并遵循使用化学涂层软布的有关指示说明。请勿使用苯、稀释剂或其他有机溶剂，包括杀毒剂。否则，可能会导致变形或褪色。

如果有水进入系统

关闭系统，将电源线插头从墙上插座拔出，然后联络您购买本系统的商店。在这种情况下使用本系统可能会引起火灾或触电。

■结露或水滴黏附在镜头上时

下列任何情况中，结露或水滴可能黏附在镜头上，导致系统工作不正常：

- 房间加热开始后
- 系统安装在蒸汽多或潮湿的地方时
- 系统突然从冷的地方搬到暖的地方时

在上述情况情况下，请在使用前将系统电源打开，放置 1 至 2 个小时。

- 本产品的防止拷贝技术属 Macrovision Corporation 和其他权利所有者所有，并受美国专利法和其他知识产权保护法的保护。任何使用本技术的行为必须经过 Macrovision Corporation 批准，未经 Macrovision Corporation 特别批准时，不可用于家用或其他私用之外的目的。使用本机时不可进行违规操作或分解。

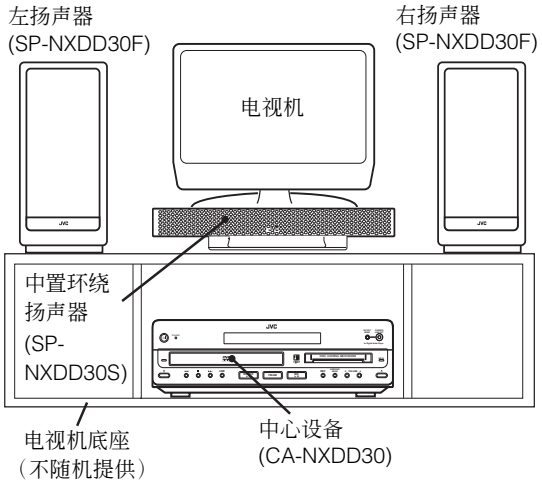
随机附件

请查看以确保您拥有所有随机附件。
括号内的数字是这些附件的数量。如果缺少任何附件，请立刻和您的经销商联系。

遥控器 (1)
电池 (2)
FM 天线 (1)
AM 环形天线 (1)
视频导线 (1)
电源线 (1)
扬声器导线 （2 束，带插头，每束 3 米）

本机的设定

由于本产品配备了 4 声道前置环绕功能，只需使用前面的四个扬声器即可让您欣赏到虚拟环绕声。



• 多声道中央音频被分离，从中置环绕扬声器输出。

关于前置环绕功能

我们没有采用传统的 5.1 声道播放系统，而是引进了虚拟环绕系统，使用位于前面的四个扬声器。

本装置基于一项 JVC 独创的技术，即用两个中央扬声器，以人两耳间的平均距离分开，对中央信号和环绕信号进行处理，同时添加了 LFE （低频声音效果），用以稳定发送到位于左右两侧的主扬声器的 L 声道信号和 R 声道信号。用一个高品质的数字放大器以 30W x 4ch 对扬声器进行驱动。

4 声道前置环绕的特点

- 我们独创的扬声器布局和信号处理不仅节省了空间，而且保证了更加逼真的声场。
- 由于使用基本的 2 声道立体声产生出高音质，播放音乐非常理想。
- 中央环绕扬声器可以使聆听者欣赏到逼真的语音定位。
- 本机产生出逼真的环绕效果，前后区域的监听点更加宽广。

显示窗口内的扬声器显示信息

扬声器显示的内容包括输入信号和使用的扬声器。

SW ： 重低音
当重低音被设为 “OFF”（☞ 第 39 页），或者使用耳机时，该灯关闭。

L ： 前置左扬声器信号输入时，该灯点亮。

C ： 中置扬声器信号输入时，该灯点亮。

R ： 前置右扬声器信号输入时，该灯点亮。

LFE ： LFE 信号输入时，该灯点亮。

LS ： 左环绕扬声器信号输入时，该灯点亮。

S ： 单声道信号输入时，该灯点亮。

RS ： 右环绕扬声器信号输入时，该灯点亮。

当 L、C、R、LS 或 LR 下面的线发亮时，声音从相应的扬声器播放。

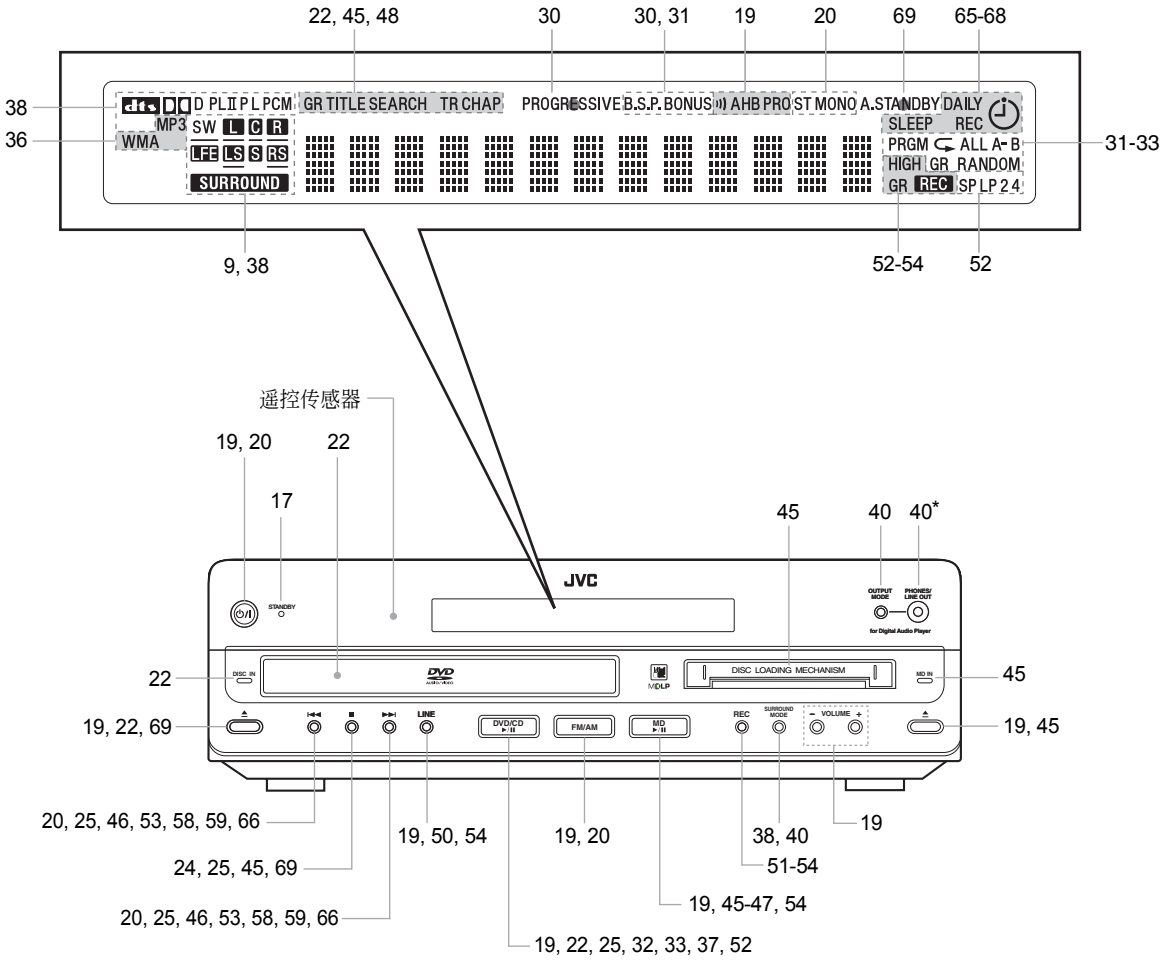
如何取下扬声器盖

进行维修或其它程序时，通过将盖拉向自己的方向可以取下前置扬声器的盖。

• 不能取下中置环绕扬声器的盖。

部件说明

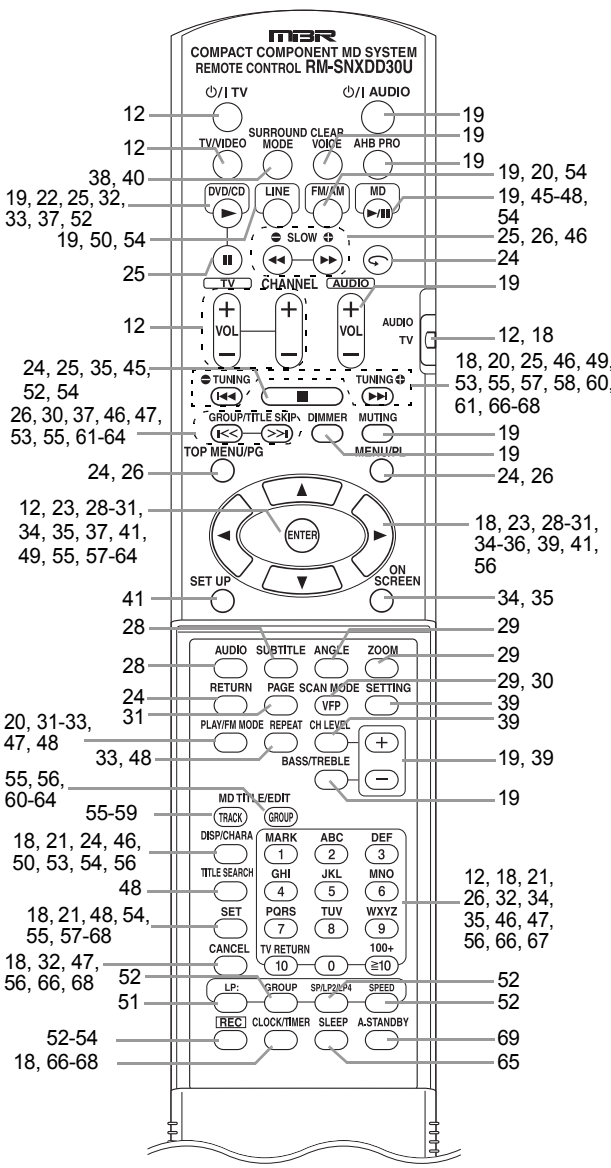
数字代表说明该部件的页码。

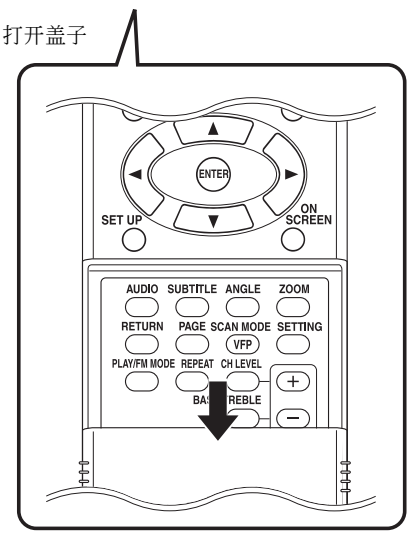


* 本端子用于连接一对配备立体声微型插头的耳机 （未提供），或用于连接线性输出导线 （未提供）。连接耳机时，扬声器不会产生任何声音。

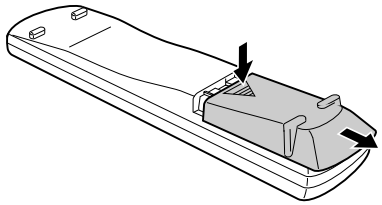
遥控器

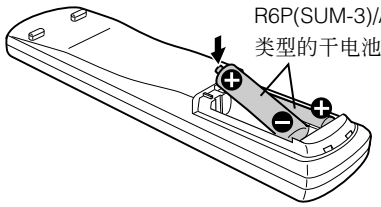
数字代表说明该部件的页码。



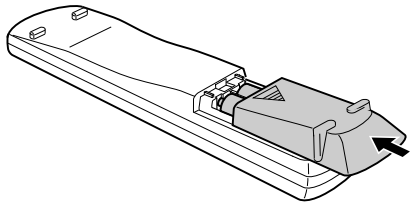


将电池插入遥控器





R6P(SUM-3)/AA(15F)
类型的干电池 (2)



注 意

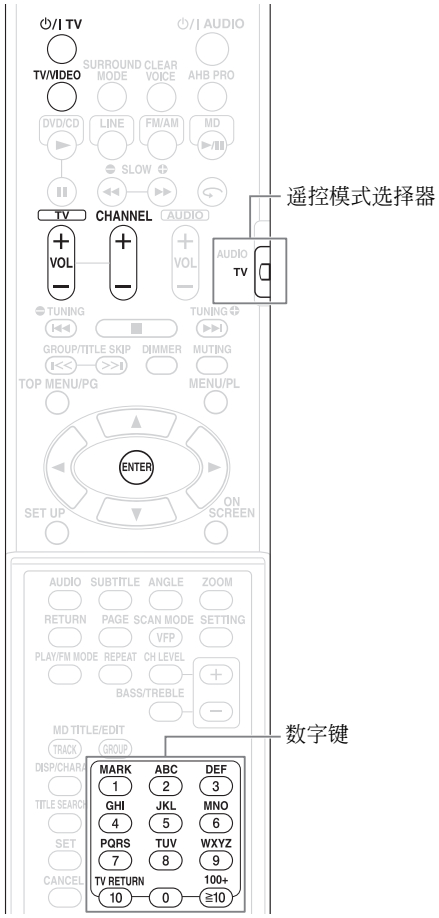
- 请勿混用新旧电池。
- 请勿同时使用不同类型的电池。
- 如果遥控器长时间不用，请取出电池。否则电池可能漏液。

遥控器操作

- 操作遥控器时，请将其对准本机的前面板。
- 遥控器和本机上的遥感器之间的有效距离最大约 5 m。
- 有效距离减小时，请更换电池。
- 请勿跌落遥控器或使其受到过度震动。

本页介绍使用本产品的遥控器操作您的电视机。

使用遥控器操作电视机



设置厂商代码

1 **将遥控模式选择器滑至 TV 侧。**



2 **按住 ⏻/I TV。**

注

- 按住 ⏻/I TV 直到步骤 4 完成。

3 **按 ENTER，然后松开。**

4 **按数字键 (1-9, 0)。**

例如：

对于 Hitachi 电视机：按 1，然后按 0。

对于 Toshiba 电视机：按 0，然后按 8。

如果存在两个或以上的厂商代码，依次尝试，然后选择能使本产品正确工作的厂商代码。

厂商	代码	厂商	代码
JVC	01	Samsung	12
Hitachi	10	Sanyo	13
Magnavox	02	Sharp	06
Mitsubishi	03	Sony	07
Panasonic	04, 11	Toshiba	08
Philips	14	Zenith	09
RCA	05		

5 **松开 ⏻/I TV。**

注

- 厂商代码如有变更，恕不另行通知。可能无法操作由上述厂商制造的电视机。

对于电视机操作

将遥控器指向电视机进行操作。

⏻/I TV	打开 / 关闭电源。	
CHANNEL + −	改变频道。	
TV + VOL −	调节音量。	
MARK 1 - WXYZ 9 / 0	AUDIO TV *1	选择频道。
TV RETURN 10	在先前所选的频道和当前频道之间更改。	
TV/VIDEO	在电视和视频输入之间更改。	

*1 请确保先将遥控模式选择器滑至 TV 侧。

注

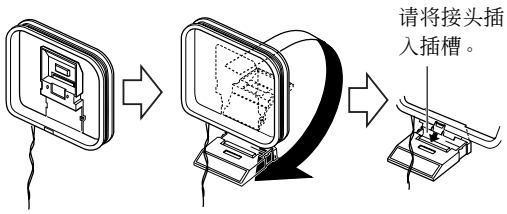
- 更换电池后，请重新进行厂商代码设置。

连接

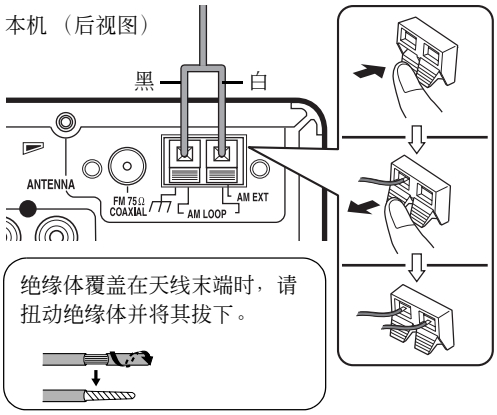
连接天线

连接 AM 天线

1 安装 AM 天线（随机附件）。



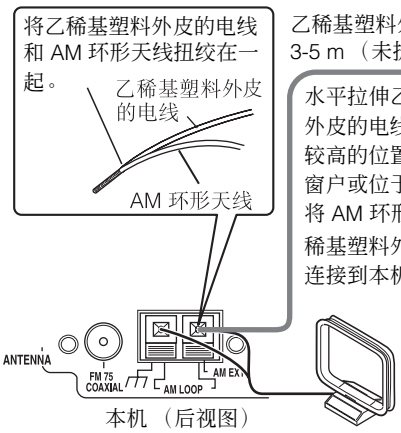
2 连接天线。



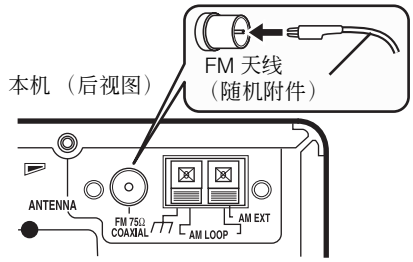
3 将 AM 环形天线转向能获得最佳收听效果的位置。
将 AM 环形天线尽可能安装在离本机较远的位置。

- 请勿将 AM 环形天线安装在金属台面上或靠近电视机、电脑或其他电器的地方。否则，可能影响收听效果。

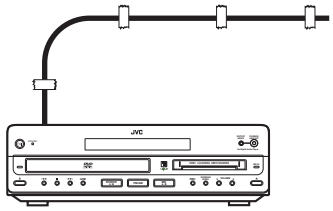
■使用随机提供的 AM 环形天线时，如果收听广播的效果较差



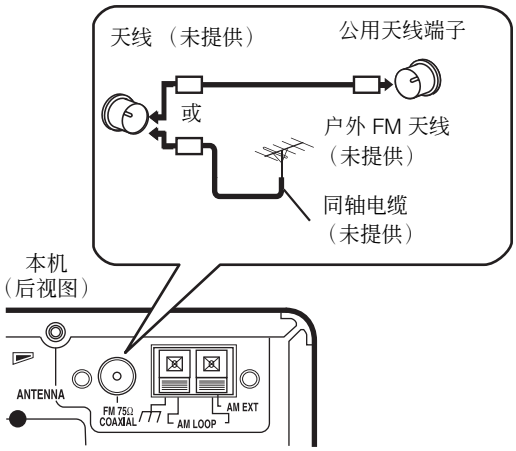
连接 FM 天线



将 FM 天线拉伸到收听电台的最佳位置，然后用胶带将其固定。



■使用随机提供的 FM 天线时，如果收听广播效果较差，或者使用公用天线时



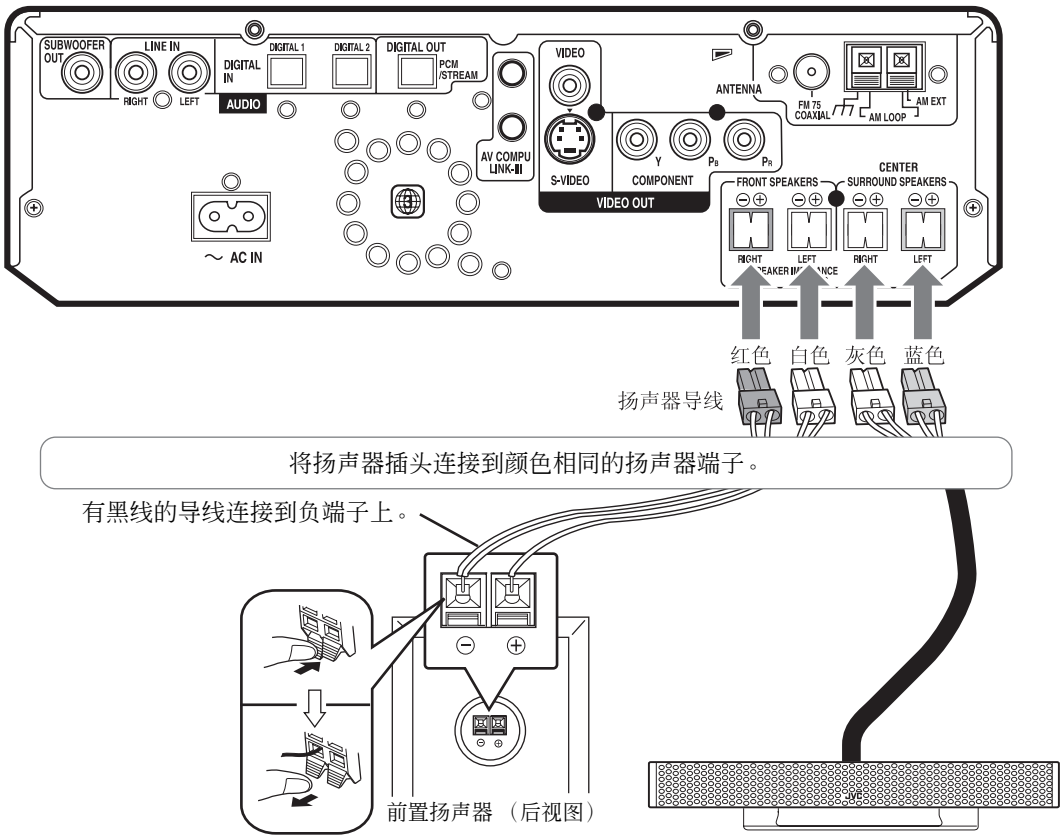
使用随机提供天线以外的天线时，请参阅天线的操作说明书，获取连接的详情。

请在收听实际的电台节目时定位天线，寻找收听的最佳位置（请参阅 “聆听广播”（☞ 第 20 页））。

连接扬声器

连接扬声器后，轻拉扬声器导线，确认导线已牢固连接。

本机 （后视图）



注 意

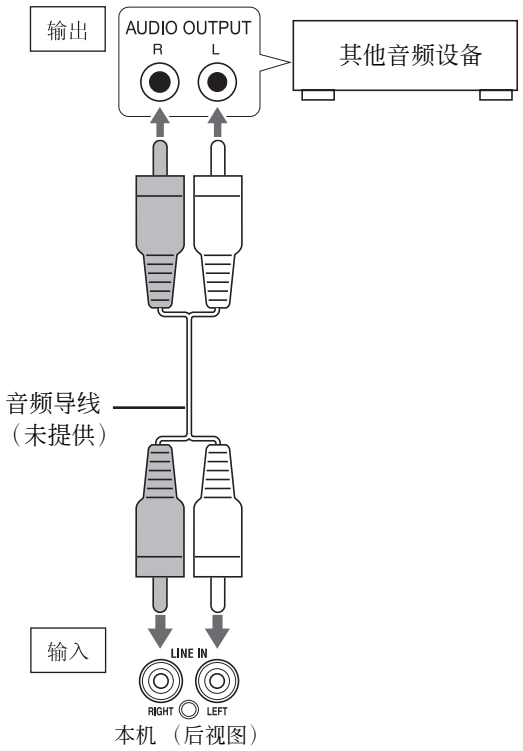
- 请勿将 ⊕ 和 ⊖ 扬声器端子短路。否则，可能损坏扬声器。
- 带黑线的前置扬声器导线应连接到负端。请将导线正确连接到扬声器端子。
- 将扬声器导线插头完全插入本机后面的扬声器端子。
- 本产品的扬声器是防磁化的，但是根据扬声器安装的位置可能会在电视上产生颜色彩不规则性。请牢记下列情形：
  1. 安装扬声器之前请关闭电视机的主电源。再次打开电视机之前请等待 30 分钟。
  2. 如果图像产生色彩不规则性，请在电视机和扬声器之间空出 10 cm。

注

- 扬声器导线连接不当会影响立体声效果和音质。
- 连接到本产品的扬声器的阻抗必须处于 4 Ω 到 16 Ω 的范围内。
- 本机内置冷却风扇，用于排出产生的热量。内部冷却风扇自动旋转并停止。为确保有效冷却，请在本机和扬声器或其他物体之间预留多于 1 cm 的空间。

连接其他设备

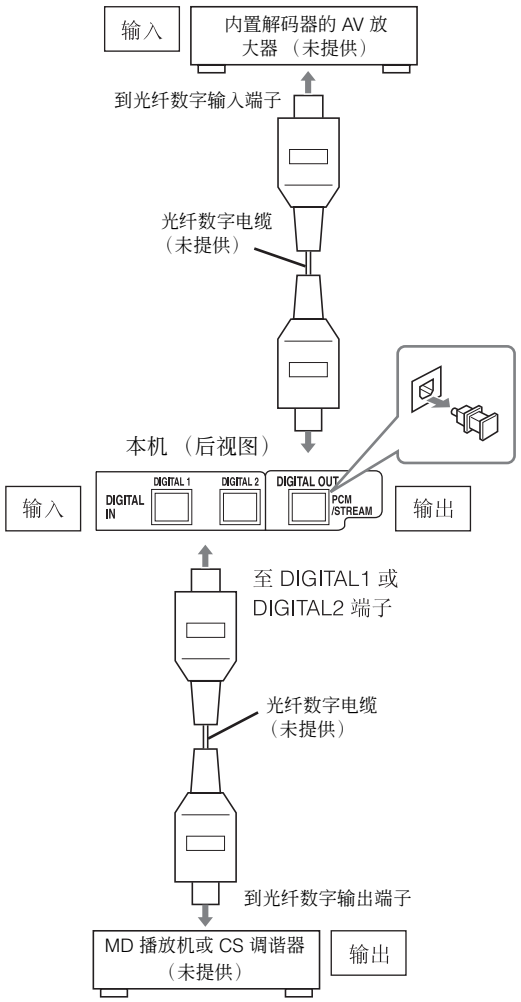
将其他音频设备连接到本产品时，请阅读本节。



注 意

- 连接其他设备之前，请关闭本机和设备。

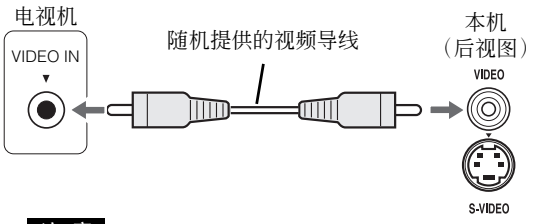
连接数码设备



注 意

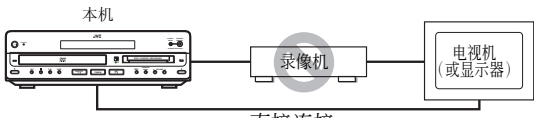
- 有关输出信号的详情，请参阅第 42 页。

连接电视机



注 意

- 不通过录像机，直接连接本机和电视机 （或显示器）。否则，播放时可能产生图像失真。（此类图像失真是由复制保护系统所导致，并非故障。）



直接连接

另外，如果本机连接到内置录像机的电视机时，播放时可能出现图像失真。

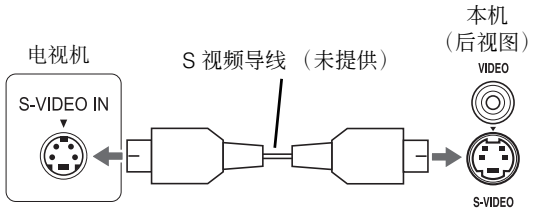
注

- 根据您的电视机的宽高比正确设置 “图像” 菜单中的 “屏幕类型”。（☞ 第 41 页）

需要更为清晰的图像时

使用下列导线代替随机提供的视频导线您可以享受更好质量的图像。

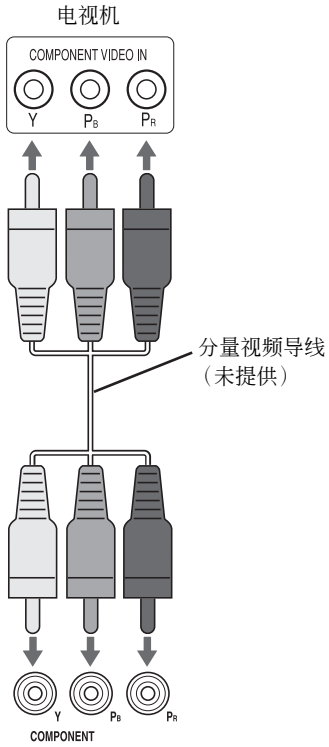
使用 S 视频导线连接



请确保 S 视频导线的各端均匹配其兼容的端子，然后连接 S 视频导线的各端。

使用分量视频导线连接

使用 S 视频时您可以享受更好质量的图像。



本机 （后视图）

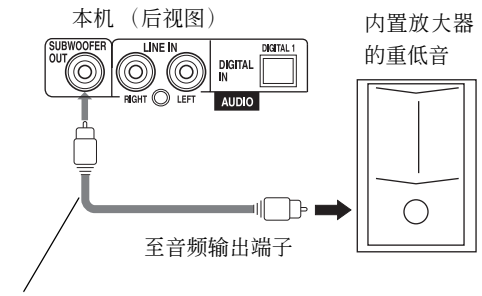
注 意

- 使用 S 视频导线或分量视频导线之一。如果同时使用两条导线，图像可能无法正常播放。

注

- 为了使用逐行扫描模式 （☞ 第 30 页）观看图像，电视机需要拥有逐行扫描视频输入。
- 如果您电视机的分量视频输入插孔是 BNC 型，请使用插头适配器 （未提供）来转换插头。

连接重低音设备

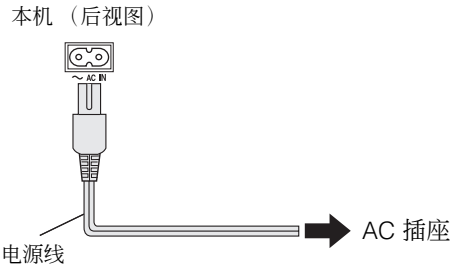


音频导线 （未提供）
（如果音频导线随内置放大器的重低音一起提供，则可以使用该导线。）

注

- 将重低音连接至本系统时，在 “其它设定”中将 “SUB WFR”设为 “ON”（☞ 第 39 页）。

连接电源线



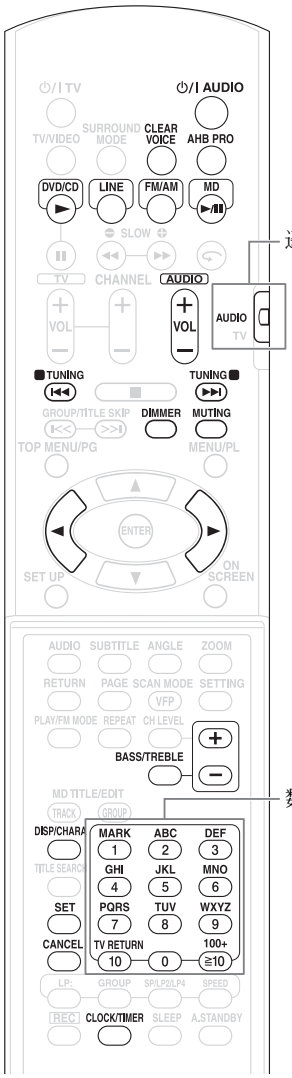
- 进行所有其他必须的连接之后，请连接电源插头。
- 将电源线插入孔内时，本机上的STANDBY 灯打开。

注

- 在下列情况中，预设设置 （如预设频道和声音调节）可能在若干天后被清除：
  - 拔下电源插头时。
  - 发生电源故障时。

基本操作

本说明书的操作说明以使用遥控器为前提。本机上的某些键与遥控器上的键相同。此时两者皆可使用。



注 意

- 将遥控模式选择器设为 AUDIO，然后使用数字键。

AUDIO TV

设置时钟

本机打开或关闭时均可设置时钟。

例如：如需将时钟设为 10:10 a.m.

1 按 CLOCK/TIMER。



2 设置小时。

TUNING ⏮ TUNING ⏭ 或 ◀ ▶

后 前 后 前

- 按住按键增加小时。
- 用数字键可以指定小时。
  请参阅以下所示的 “使用数字键”。

使用数字键

用数字键之前，请将遥控模式选择器设为 AUDIO。 AUDIO TV

选择 1-10：按相应的数字键。

选择 11+： 按 +10 和另一个数字键。

例如： 3: 3

13: ≧10 → 1 → 3

20: ≧10 → 2 → 0

23: ≧10 → 2 → 3



3 按 SET。



- 如需返回步骤 2，请按 CANCEL。

4 以步骤 2 和 3 相同的方式设置分钟。



调节时钟

按 5 次 CLOCK/TIMER 显示时钟，然后从步骤 2 开始调节时钟。

使用本机时显示时钟

反复按 DISP/CHARA。

注

- 本机的时间显示为 24 小时制。
- 时钟每月误差约为 1 分钟。
- 断开电源插头或发生断电后，请重新设置时钟。

有关遥控键的位置，请参阅第 18 页。

打开 / 关闭本机

常 用

按 ⏻/I AUDIO（或本机上的 ⏻/I）。

- 电源关闭时，按上述键之一打开本机。同时，分配给该键的功能开始启用。

遥控器：DVD/CD ► II　LINE　FM/AM　MD ►/II

本机：DVD/CD ► II　LINE　FM/AM　MD ►/II　≜

注

- 本机内置冷却风扇，用于排出产生的热量。内部冷却风扇自动旋转并停止。

调节音量

常 用

按 AUDIO + VOL −。

- 按本机上的 − VOLUME + 也可以调节音量。

注

- 可以在 0 到 40 的范围内调节音量。

暂时关闭声音 (FADE MUTING)

按 MUTING。

- 出现 “FADE MUTING”，音量减小到 “0”。
- 如需返回到先前的音量，请再次按 MUTING。

增强重低音 (AHB PRO)

按 AHB PRO。

- 每按一次 AHB PRO，AHB PRO 功能在 “ON” 和 “OFF” 之间切换。
- 激活 AHB PRO 功能时，显示器窗口中显示 “AHB PRO”。
- “AHB PRO” 代表 “Active Hyper Bass PRO”。

使用清晰语音功能

即使在音量降低时，清晰语音功能也可以让您容易地理解 DVD 影片中的对话。

按 CLEAR VOICE。

- 每次按 CLEAR VOICE，清晰语音功能在 “ON” 和 “OFF” 之间转换。
- 清晰语音功能启用时，))) 出现在显示窗口中。

注

- 收音机作为音源时，不能使用本功能。
- 当中央声道信号存在于环绕声时，或者声音被设为环绕时，乃至于中央声道信号存在于立体声时（☞ 第 38 页），本功能有效。
- 进行录制操作将会解除对清晰语音功能的选定。

调节低音 / 高音

1 重复按 BASS/TREBLE 选择 “ BASS ” 或 “ TREBLE ”。

2 按 ⊕ 或 ⊖ 调节音质。

- 可以在 -5 到 +5 的范围内调节音质。
- 显示几秒钟后返回到音源显示。

更改显示器窗口的亮度 (DIMMER)

按 DIMMER。

- 每按一次 DIMMER，显示变化如下。

DIMMER ON ：显示窗口变暗。

↕

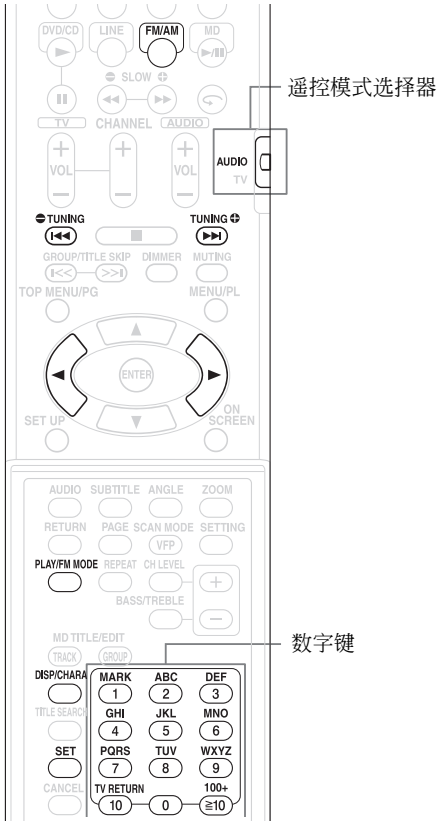
DIMMER OFF：取消亮度调节（初始设置）。

注

- 本机关闭时，显示在 “DISPLAY OFF” 和 “DISPLAY ON” 之间转换。

聆听广播

本产品可以接收 FM 和 AM 广播。



注 意

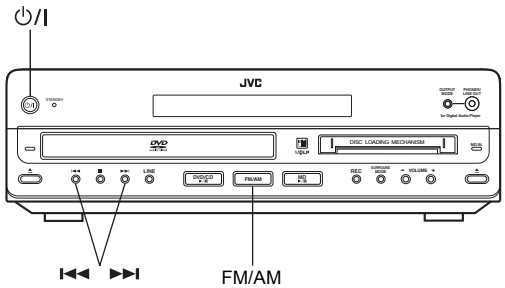
- 将遥控模式选择器设为 AUDIO，然后使用数字键。



设置 AM 调谐器间隔

某些国家使用的 AM 电台间隔为 9 kHz，而其他国家则使用 10 kHz 间隔。

仅在本机上：



■本机关闭时

如需选择 10 kHz 间隔，请在按住本机上的 ⏭ 的同时，按本机上的 ⏻/I 打开电源。“AM 10 kHz”出现在显示器窗口中。

如需选择 9 kHz 间隔，请在按住本机上的 ⏮ 的同时，按本机上的 ⏻/I 打开电源。“AM 9 kHz”出现在显示器窗口中。

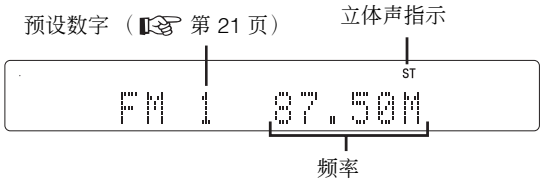
注

- 如果切换了间隔，记忆中保存的电台将会被清除。

选择电台

1 反复按 FM/AM 选择“FM”或“AM”。

例如：接收 FM 广播时的显示



2 反复按 TUNING ⏮ 或 TUNING ⏭ 选择电台（频率）。

- 用自动调谐也可以选择电台。

自动调谐：

按住 TUNING ⏮ 或 TUNING ⏭，直到频率开始更改，然后放开该键。

本机接收到广播时，频率自动停止更改。

如需在搜索广播时退出本功能，请按 TUNING ⏮ 或 TUNING ⏭。

- 本机接收到 FM 立体声广播时，“ST”点亮。

注

- 如果由于噪声导致收听 FM 立体声广播困难，则通过按 PLAY/FM MODE 将声音切换到单声道接收，可以比较容易地收听。此时，“MONO”点亮。如需将声音返回到立体声接收，再次按 PLAY/FM MODE 或选择另一个 FM 电台。

有关遥控键的位置，请参阅第 20 页。

保存电台（预设）

可以最多保存 30 个 FM 电台和 15 个 AM 电台。

■正在接收想要预设的电台的广播时

1 将遥控模式选择器设为 AUDIO。



2 按 SET。

• 预设号码闪烁约 5 秒。

3 预设号码闪烁时，按数字键（MARK 1 - TV RETURN 10，0 或 100+ ≧10）选择想要使用的预设号码。

• 请参阅 “使用数字键”（☞ 第 18 页）。

4 所选的数字闪烁时，按 SET。

• 出现 “STORED”并保存所选的电台。

注

• 将电台保存到预设号码而该预设号码先前已经保存另一电台时，最新设置的电台将覆盖先前保存的电台。

调到预设电台

■正在接收 FM 或 AM 广播时

1 将遥控模式选择器设为 AUDIO。



2 用数字键选择想要调到的电台的预设号码。

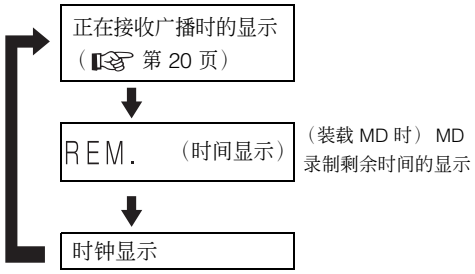
• 请参阅 “使用数字键”（☞ 第 18 页）。

• 按 ◄ 或 ► 也可以选择预设号码。

更改显示器窗口中的显示

按 DISP/CHARA。

• 每按一次 DISP/CHARA，显示变化如下。



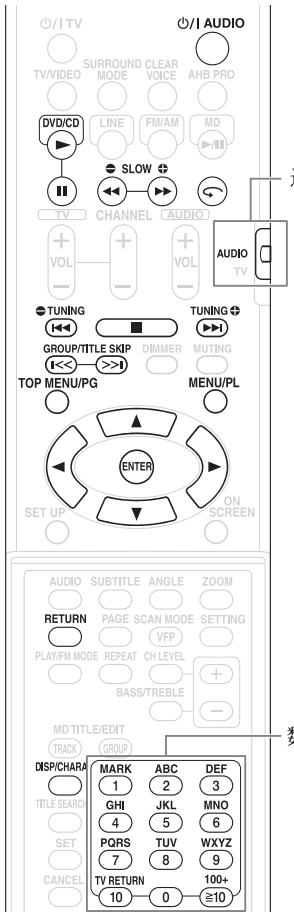
DVD 播放机的基本操作

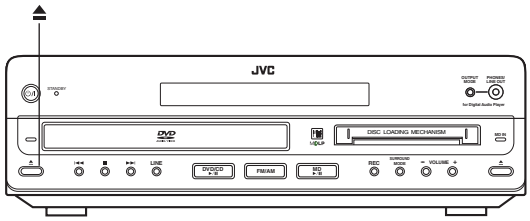
如何阅读本使用说明书

- 主要使用遥控器按键说明操作。如果本机上存在相同的标记，也可使用本机上的按键。
- 下列标记告诉您可读取的光盘类型。

DVD VIDEO　DVD AUDIO　DVD VR　VCD SVCD　CD　MP3 WMA　JPEG　ASF　DivX

- 实际的图形和电视机屏幕可能与说明的不同。
- “VCD”表示“视频 CD”。
- “SVCD”表示“超级视频 CD”。





注 意

- 将遥控模式选择器设为 AUDIO，然后使用数字键。



播放　常 用

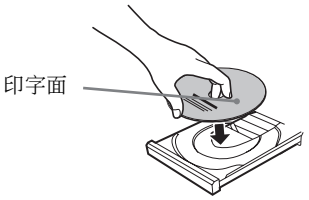
DVD VIDEO　DVD AUDIO　DVD VR　VCD SVCD　CD

（有关播放 MP3/WMA/JPEG/ASF 和 DivX 的详情，请参阅第 36 页。）

1　按本机上的 ⏏（左）。

- 光盘托架弹出。

2　将光盘放置在光盘托架上。



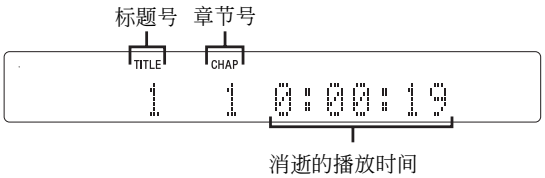
- 想要聆听 8 cm 光盘时，请将其放置在光盘托架的内凹陷部分。

3　按 DVD/CD。

- 光盘被装载上时，本机上的DISC IN灯亮为红色。

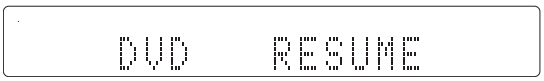
■DVD VIDEO 的显示

播放 DVD VIDEO 时的显示：

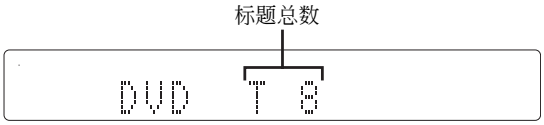


DVD VIDEO 停止时的显示：

- 当继续播放功能（☞ 第 25 页）开启时。



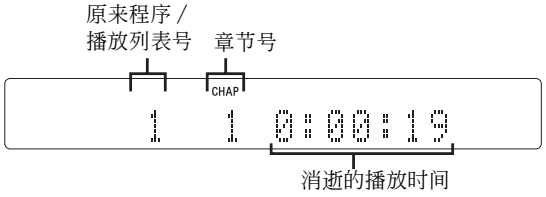
- 当继续播放功能（☞ 第 25 页）关闭时。



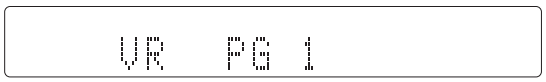
（接下页）

■DVD VR 的显示

播放 DVD VR 时的显示：

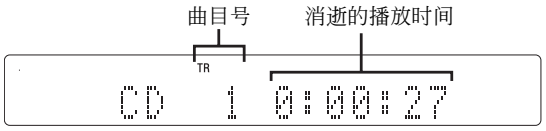


DVD VR 停止时的显示：

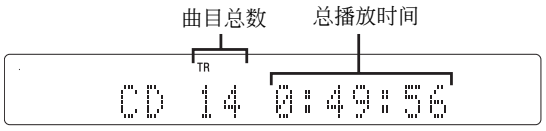


■CD 的显示

播放 CD 时的显示：

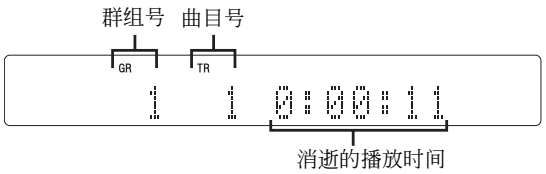


CD 停止时的显示：

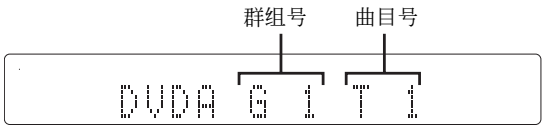


■DVD AUDIO 的显示

播放 DVD AUDIO 时的显示：

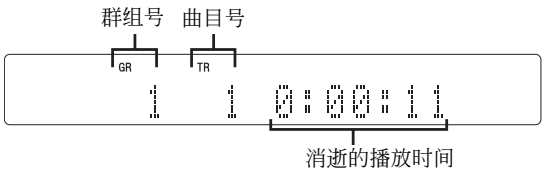


DVD AUDIO 停止时的显示：

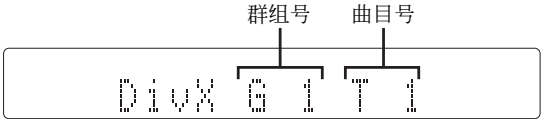


■ASF/DivX 的显示

播放 ASF/DivX 时的显示：

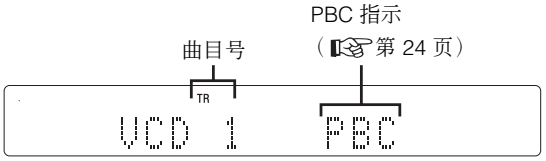


ASF/DivX 停止时的显示：



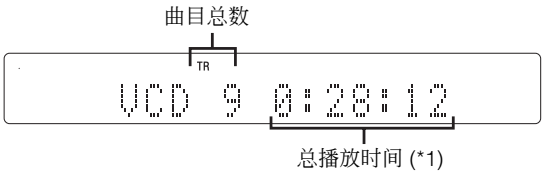
■VCD/SVCD 的显示

播放 VCD/SVCD 时的显示：



• 激活 PBC 时，显示 PBC 指示。

VCD/SVCD 停止时的显示：



*1 光盘兼容 PBC 时，会出现 “PBC” 指示。

注

- DVD 播放开始后，显示器窗口中可能出现菜单。在这种情况下，请使用遥控器上的下列键选择需要的菜单项目。
  - 请使用 ▲、▼ 或 ◄► 选择菜单项目，然后按 ENTER。
  - 请使用数字键选择菜单项目。
- 操作可能不同于此处所述，视光盘类型而异。

电视机屏幕上显示的讯息

音源选择 DVD 时，出现下列显示讯息，视状态而异。

读取中
本机正在读取光盘。请稍候。

区域代码错误！
由于地区代码不符，无法播放光盘。
（☞ 第 4 页）

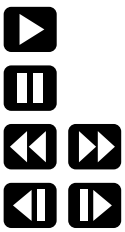
无碟片
没有装载光盘。

打开
光盘托架正在打开。

关闭
光盘托架正在关闭。

无法播放
试图播放不可播放的光盘。

暂时显示在电视机屏幕上的指导图标（屏幕显示指导）



：播放
（☞ 第 22 页）
：暂停
（☞ 第 25 页）
：快倒 / 快进搜索
（☞ 第 25 页）
：慢动作播放（倒退 / 前进）
（☞ 第 26 页）



：包含多角度浏览
（☞ 第 29 页）
：包含多音频
（☞ 第 28 页）
：包含多字幕
（☞ 第 28 页）
：光盘无法接受您的操作。

PBC（播放控制）

- PBC 是录制于 VCD（2.0 版）上的信号，用于控制 VCD 的播放。使用录制于兼容 PBC 的 VCD 中的菜单显示可以操作具有互动和搜索功能的软件。

■如需播放不带 PBC 的 VCD，请遵循下列操作。

- 停止播放时，使用数字键选择所需的曲目号。
- 停止播放时，请按 TUNING 或 TUNING 选择所需的曲目号，然后按 DVD/CD。

■如需播放带PBC 的 VCD，请遵循下列操作。

- 播放期间按 TOP MENU/PG 或 MENU/PL。或者，按 ■ 一次（继续播放功能开启时，请按两次）然后按 DVD/CD。主机的显示窗口上出现 “PBC”。
- 正在播放 VCD 或 SVCD 时，请按 RETURN 返回到上一级菜单群组。

更改显示器窗口中的显示

按 DISP/CHARA。

- 每按一次 DISP/CHARA，显示变化如下。

■播放（或停止播放）光盘时

播放或停止播放光盘时的显示
（☞ 第 22 和 23 页）
↓
R EM.　（时间显示）　（装载 MD 时） MD 录制剩余时间的显示
↓
时钟显示

播放从 10 秒之前的位置开始（单触重播）

DVD VIDEO　DVD VR

■播放光盘时

按 ↶。

注

- 对于某些光盘可能无法进行本操作。
- 无法返回到先前的标题。

停止播放

常 用

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■播放光盘时

按 ■。

继续播放 (RESUME)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD MP3 WMA ASF DivX

播放在中间位置停止时，播放可从停止场景开始。

如何延缓播放

■播放光盘时

播放期间进行下列任意操作。

按 ■ 一次。 *
按 ⏻/I AUDIO 关闭电源。
将播放源改为 FM/AM, LINE 或 MD。 *

* 即使在本操作之后按 ⏻/I AUDIO 关闭电源，播放的停止位置也会保存。

如何从保存位置开始播放

按 DVD/CD。

注

- 本功能在编程播放或随机播放时不起作用。
- 播放再次开始的位置可能与停止位置稍有不同。
- 显示光盘菜单时，续播功能不起作用。
- 音频语言、字幕语言、当时的角度以及停止位置被保存。
- 如果光盘托架打开，保存位置将会被清除。还有，如果在播放期间按 ■，将显示“RESUME”。如果此时按 ■，“RESUME”将会消失，保存的信息将会被清除。
- **续播功能作为初始预设打开。可以将其关闭**（☞ 第 42 页）。

暂停播放

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■播放光盘时

按 ⏸。

如需继续正常播放，请按 DVD/CD。

- 在 JPEG 光盘幻灯片显示期间按本机上的 DVD/CD 无法暂停播放。

逐帧播放图像

DVD VIDEO DVD VR VCD SVCD DVD AUDIO（仅动态图像） ASF DivX

■暂停播放光盘时

按 ⏸。

- 每按一次 ⏸，将会逐帧播放图像。
- 无法使用本机上的 DVD/CD 操作本功能。

快倒 / 快进搜索

常 用

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA ASF DivX

存在两种方法。

■播放光盘时

按 SLOW ◀◀ 或 SLOW ▶▶。

- 每按一次 SLOW ◀◀ 或 SLOW ▶▶，速度如下增加。

×2 ➡ ×5 ➡ ×10 ➡ ×20 ➡ ×60

- 如需恢复正常速度，请按 DVD/CD。

按住 TUNING ⏮ 或 TUNING ⏭。

- 按该键可进行快倒 / 快进搜索。

注

- 对于 DVD VIDEO、SVCD 或 VCD，在快倒 / 快进搜索期间无声音输出。
- 对于 CD 或 DVD AUDIO，在快倒 / 快进搜索期间声音间歇输出。

慢动作播放

DVD VIDEO DVD VR VCD SVCD DVD AUDIO（仅动态图像）

■暂停播放光盘时

按 SLOW ◀◀ 或 SLOW ▶▶。

- 每按一次 SLOW ◀◀，速度如下增加。

$^1/_{32}$ ➡ $^1/_{16}$ ➡ $^1/_8$ ➡ $^1/_4$ ➡ $^1/_2$

- 按 ⏸ 暂停播放，然后按 DVD/CD ▶ 继续正常播放。

注

- 无声音产生。
- 以相反方向运动的图像可能不平滑。
- 对于 VCD 或 SVCD，仅可向前播放慢动作。

跳到曲目的开始位置 常 用

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX（PBC 关）

■播放光盘时

按 TUNING ⏮ 或 TUNING ⏭。

- 每按一次 TUNING ⏮，当前章节 / 曲目 / 文件跳到前一章节 / 曲目 / 文件的开始位置。
- 每按一次 TUNING ⏭，当前章节 / 曲目 / 文件跳到下一章节 / 曲目 / 文件的开始位置。
- 按 GROUP/TITLE SKIP ⏪ 或 GROUP/TITLE SKIP ⏩ 选择标题或群组。

注

- 除 DVD VIDEO之外，光盘停止播放时也可以进行本操作。
- 对于某些光盘，可能无法进行本操作。

使用数字键跳到曲目的开始位置

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX

■播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 按数字键（MARK 1 - TV RETURN 10，0 或 100+ ≧10）选择想要聆听的曲目 / 章节。

- 请参阅 “使用数字键”（☞ 第 18 页）。

注

- 停止播放光盘或关闭 PBC 播放光盘时，可以操作 VCD 或 SVCD。
- 播放或停止播放光盘时，可以操作 DVD AUDIO、CD、MP3、WMA 或 JPEG。
- 对于某些光盘，可能无法进行本操作。

从菜单屏幕选择曲目

DVD VIDEO DVD AUDIO DVD VR VCD SVCD DivX（PBC 关）

■停止播放或播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 按 MENU/PL ◯ 或 TOP MENU/PG ◯。

- 出现光盘的菜单屏幕。
- DVD AUDIO 仅可使用 TOP MENU/PG ◯。

3 按 ▲ ▼ ◀ ▶（仅 DVD VIDEO 或 DVD AUDIO）或数字键选择要聆听的曲目。

- 请参阅 “使用数字键”（☞第 18 页）。
- 如果菜单屏幕含有双页或多页，请按 TUNING ⏮ 或 TUNING ⏭ 改变页面 （仅 VCD 和 SVCD）。

4 按 ENTER。

注

- 对于没有录制菜单屏幕的光盘，则无法操作本功能。
- 即使没有按 ENTER，某些光盘可能也会开始播放。

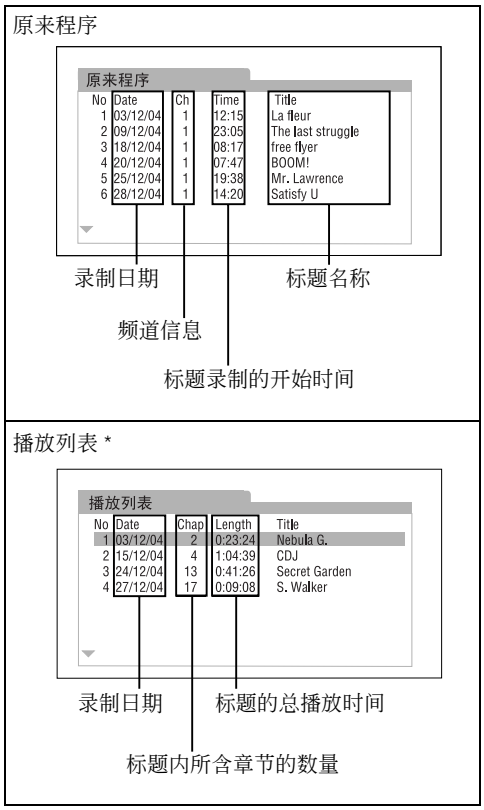
有关遥控键的位置，请参阅第 22 页。

使用 DVD VR 的菜单屏幕

■光盘停止或正在播放时

1 按 TOP MENU/PG 显示原来程序或按 MENU/PL 显示播放列表。

例如



* 只有在光盘内录有播放列表时才会显示播放列表。

2 按 ▲ ▼ 选择所需的标题。

3 按 ENTER。

- 选择原来程序时，将从所选标题开始播放到后面的标题。
- 选择了播放列表时，只播放所选播放列表。

跳过 5 分钟左右间隔

DivX

可以在单个文件内以 5 分钟左右的间隔进行跳跃。想要在长文件中进行跳跃时，本功能特别实用。

■播放光盘时

1 将遥控模式选择器设为 AUDIO。



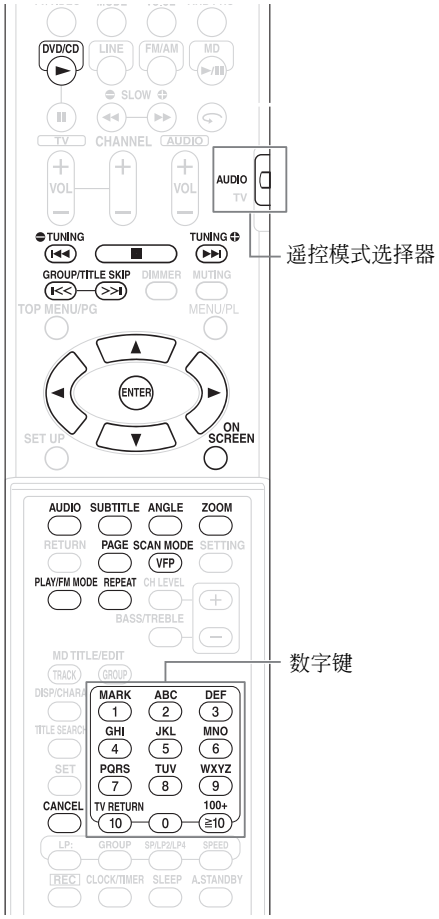
2 按 ◄ 或 ► 。

- 每次按该键，播放位置跳到上一个或下一个间隔的开始位置。每个间隔约为 5 分钟。

注

- 间隔自动从文件开头开始划分。
- 只能在同一个文件中使用本功能。
- 在某些光盘上不能使用本功能。

DVD 播放机的易用功能



注 意

- 将遥控模式选择器设为 AUDIO，然后使用数字键。



选择音频语言

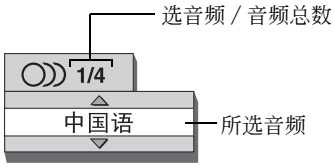
常 用

DVD VIDEO DVD AUDIO DVD VR VCD SVCD DivX

■播放包含双音频或多音频的光盘时

1 按 AUDIO。

例如： 电视机屏幕



- 每按一次 AUDIO，音频将会更改。按 ▲ ▼ 也可以更改音频。

2 等待几秒或按 ENTER。

注

- 用菜单条也可以操作本功能 （☞ 第 34 页）。
- 有关诸如 “AA” 的语言代码，请参阅 “语言代码” （☞ 第 43 页）。
- DVD AUDIO 中的 2 声道声音以 1/2 录制和禁止向下混音的多声道声音以 2/2 录制时，仅可以选择 1/2。
- 对于 DivX 光盘，电视机屏幕上只显示语言号码。

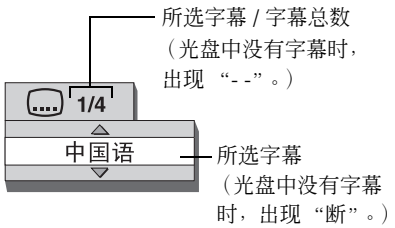
选择字幕语言

DVD VIDEO SVCD DVD AUDIO DivX （仅动态图像）

■播放包含双字幕或多字幕的光盘时

1 按 SUBTITLE。

例如： 电视机屏幕



2 按 ▲ ▼ 选择一个字幕。

3 等待几秒或按 ENTER。

注

- 用菜单条也可以操作本功能 （☞ 第 34 页）。
- 对于 SVCD，在步骤 1 中每按一次 SUBTITLE，将更改字幕类型和 ON/OFF。
- 有关诸如 “AA” 的语言代码，请参阅 “语言代码” （☞ 第 43 页）。
- 显示字幕的方式可能因光盘而异。

取消字幕

按 SUBTITLE 选择 “ OFF ”。

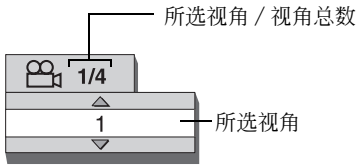
选择视角

DVD VIDEO DVD AUDIO（仅动态图像）

■播放包含双视角或多视角的光盘时

1 按 ANGLE。

例如： 电视机屏幕



- 每按一次 ANGLE，角度将会更改。按 ▲ ▼ 也可以更改角度。

2 等待几秒或按 ENTER。

注

- 用菜单条也可以操作本功能 （☞ 第 34 页）。

放大图像 (ZOOM)

DVD VIDEO DVD VR VCD SVCD JPEG DVD AUDIO ASF DivX（仅动态图像）

■播放或暂停播放光盘时

1 按 ZOOM。

- 每按一次 ZOOM 图像放大率将会更改 (OFF, 放大 1 - 6)。
- 使用 JPEG 光盘时，图像放大率可在 “放大 1”、“放大 2” 至 “OFF” 之间更改。幻灯片播放期间无法更改图像放大率。

2 按 ▲ ▼ ◄ ► 选择您想要观看的部分。

注 意

- 放大图像时，图像质量可能变差或图像可能失真。
- （仅 DVD AUDIO）显示静止图像时，放大操作被禁用。
- 在某些光盘上，不能使用放大操作。

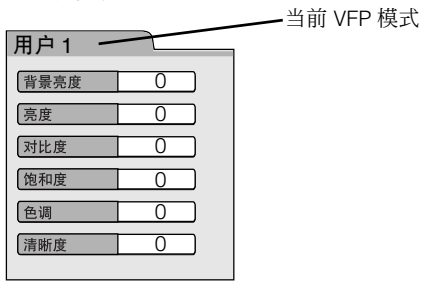
调节图像质量 (VFP)

DVD VIDEO DVD AUDIO DVD VR VCD SVCD JPEG ASF DivX

■播放或暂停播放光盘时

1 按 SCAN MODE (VFP)。

例如： 电视机屏幕



2 按 ◄ ► 选择 VFP 模式。

标准 ： 正常播放。（无法调节图像质量。）→ 跳到步骤 7。

影剧院 ： 适合于在黑暗的房间观看电影。（无法调节图像质量。）→ 跳到步骤 7。

用户 1/ 用户 2 ： 可以调节图像质量。→ 跳到步骤 3。

3 按 ▲ ▼ 选择要调节的项目。

设置项目

背景亮度 ： 在保持明暗部分亮度的同时，控制灰色的亮度。（设置范围：–3 - +3 ）

亮度 ： 控制显示器的亮度。（设置范围：–8 - +8 ）

对比度 ： 控制显示器的对比度。（设置范围：–7 - +7 ）

饱和度 ： 控制显示器的饱和度。（设置范围：–7 - +7 ）

色调 ： 控制显示器的色调。（设置范围：–7 - +7 ）

清晰度 ： 控制显示器的锐度。（设置范围：–8 - +8 ）

4 按 ENTER。

例如：



5 按 ▲ ▼ 改变调节值。

6 按 ENTER。

- 如需调节其他项目，请返回步骤 3。

7 按 SCAN MODE (VFP)。

注

- 在该过程中如果几秒内未进行操作时，则迄今为止进行的设置将会自动保存。
- “VFP”代表“video fine processor”。

欣赏更好的图像 (SCAN MODE)

逐行扫描模式时，可以欣赏更好的图像。可以从PAL 和 NTSC 当中选择视频系统。

注 意

- 为了在逐行扫描模式欣赏图像，需要符合下列要求。
  - 必须将电视机的分量视频输入端子连接到本机上。
  - 用分量视频导线连接本机和电视机（☞ 第 16 页）。

  上述要求未满足时，将本机设为隔行扫描模式。如果设为逐行扫描模式，图像可能失真。

■停止播放光盘时

1 按住 SCAN MODE (VFP) 2 秒钟或以上。

2 按 ► 或 ◄ 选择“ NTSC ”、“ NTSC PROG. ”、“ PAL ”或“ PAL PROG. ”。

3 按 ENTER

- 返回到音源显示。
- 当选择逐行扫描模式时，显示窗口上出现“PROGRESSIVE”。

播放赠送群组

DVD AUDIO

有些 DVD AUDIO 光盘录有特殊群组，称作“赠送群组”。



- 本机的显示器窗口上点亮“BONUS”时，可进行本操作。

■播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 播放期间反复按 GROUP/TITLE SKIP (>>|) 选择一个赠送群组。

- “KEY_ _ _ _”出现在电视机屏幕上和本机显示器窗口中。

3 按数字键输入密码（4 位）。

- 获得密码的方式视光盘而异。

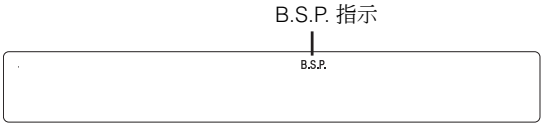
4 按 ENTER。

- 输入正确的密码后，“BONUS”消失，赠送群组的播放开始。
- 如果输入的密码错误，请再次尝试输入正确的密码。

可浏览的静止图像 (B.S.P.)

DVD AUDIO

某些 DVD AUDIO 光盘录有静止图像。在这些静止的图像中，存在称为 B.S.P（可浏览的静止图像）的图像。可以切换这些图像，就如同翻页一样。



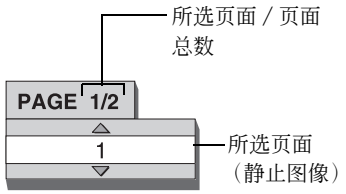
- 本机的显示器窗口上点亮 “B.S.P.” 时，可进行本操作。

■播放光盘时

1 按 PAGE。

- 每次按一次 PAGE 静止图像将会交替变化。
- 按 ▲ ▼ 也可以更改图像。

例如： 电视机屏幕



2 等待几秒或按 ENTER。

注

- 可以在菜单条上操作本功能 （ ☞ 第 34 页）。

按想要的顺序播放光盘（编程播放）

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

最多可以编辑 99 个章节或曲目。可以多次编辑同一章节或曲目。

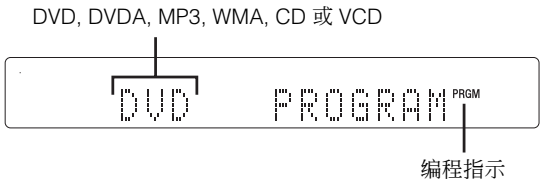
■停止播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 按 PLAY/FM MODE 选择 “ PROGRAM ”。

■DVD VIDEO/DVD AUDIO/MP3/WMA/CD/VCD/SVCD 的显示



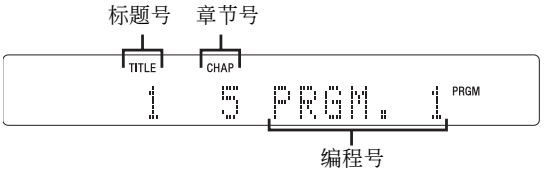
例如： 对于 DVD VIDEO



3 按数字键（MARK 1-TV RETURN 10，0 或 100+ ≧10）编程章节 / 曲目。

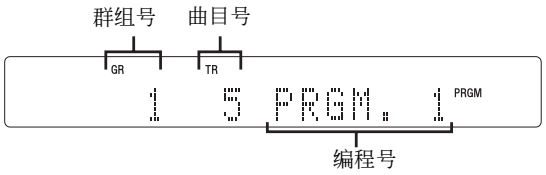
■DVD VIDEO 的显示

• 选择标题号，然后选择章节号。



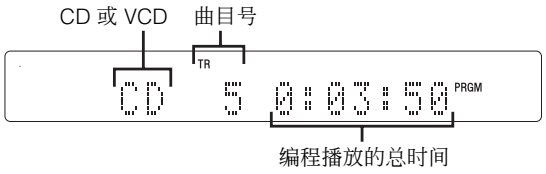
■DVD AUDIO/MP3/WMA 的显示

• 选择群组号，然后选择曲目号。



■CD/VCD/SVCD 的显示

• 选择一个曲目号。



例如：对于 DVD VIDEO

电视机屏幕

程序

No.	Group/Title	Track/Chapter
1	1	5
2		
3		
4		
5		
6		
7		
8		

• 请参阅 “使用数字键”（☞ 第 18 页）。

• 选择 DVD AUDIO 的赠送群组之前，请按照第 30 页 “播放赠送群组” 所述取消 “BONUS” 显示。

• 试图输入 99 个以上的章节或曲目时，出现 “MEMORY FULL ”。

4 按 DVD/CD。

注

• 在编程播放设置中可以从光盘或 MD 设置曲目。

确认编程的内容

停止播放时，反复按 TUNING ⏮ 或 TUNING ⏭ 。

• 进行本操作时，可以将一首曲目添加为编程中的最后一首曲目（☞ 步骤 3），或删除最后一首曲目。要删除最后一个曲目，按 CANCEL。

取消编程播放

停止播放时，反复按 PLAY/FM MODE 显示 “ 程序 ” 以外的项目。

• 本操作并不删除编程的内容。

删除整个编程

停止播放时，按住 CANCEL 。

注

• 弹出光盘或关闭本机也会删除编程的内容。本操作也会取消编程播放。

有关遥控键的位置，请参阅第 28 页。

随机播放

DVD VIDEO DVD AUDIO VCD SVCD CD MP3 WMA

可以按照随机顺序聆听曲目或章节。

■停止播放时

1 反复按 PLAY/FM MODE 选择 “ RANDOM ”。

例如： 对于 CD



- 电视机屏幕中出现 “任意”。

2 按 DVD/CD。

注

- 可以从光盘或 MD 设置随机播放的曲目。
- 反复按 TUNING 不会将播放返回到上一首曲目。
- 每首曲目播放一次。

取消随机播放

停止播放时，反复按 PLAY/FM MODE 显示 “RANDOM” 以外的项目。

注

- 弹出光盘或关闭本机也会取消随机播放。

重复播放

DVD VIDEO DVD AUDIO DVD VR VCD SVCD（PBC 关） CD MP3 WMA JPEG ASF DivX

■播放光盘时

按 REPEAT。

- 每按一次 REPEAT，重复播放的类型将会更改。（重复播放的类型因光盘类型而异。）

电视机屏幕上的显示	本机显示器窗口中的显示	重复播放的类型
TITLE	REPEAT TITLE ALL	重复播放当前标题
ALL 或 REPEAT ALL	REPEAT ALL ALL	重复播放所有曲目 *1
GROUP*2 或 REPEAT GROUP	REPEAT GR GROUP*2	重复播放当前群组 *3
CHAP*4	REPEAT CHAP*4	重复播放当前章节
TRACK*4 或 REPEAT TRACK	REPEAT TRACK*4	重复播放当前曲目
OFF 或 无显示	REPEAT OFF	取消重复播放

*1 编程播放期间，所有程序将重复播放。

*2 播放 DVD VR 的原来程序时，显示 “PG”。播放 DVD VR 的程序列表时，显示 “PL”。

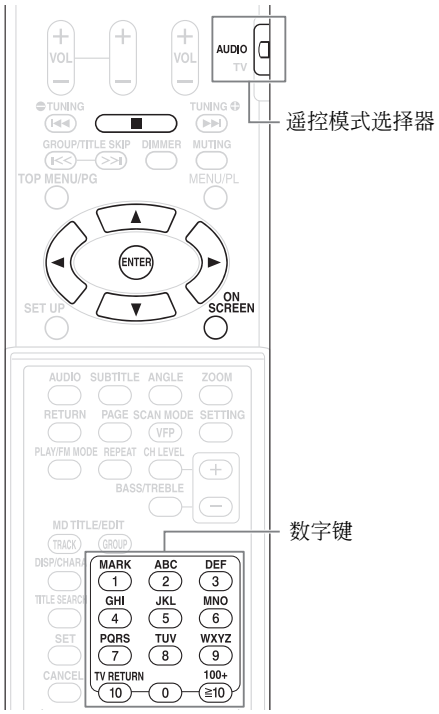
*3 对于 DVD VR，重复播放当前标题。

*4 编程播放或随机播放期间，显示 “STEP”。

注

- 除将本功能用于 MP3、WMA 或 JPEG 光盘外，您也可以在菜单条上操作本功能 （☞ 第 34 页）。
- 如果存在无法播放的文件，重复模式将会自动取消。
- 有关 A-B 重复播放（指定部分的重复播放）的详情，请参阅第 35 页。

状态条和菜单条



DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD ASF DivX

可以在电视机屏幕上显示状态条和菜单条，并使用它们控制光盘。

注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。



使用状态条和菜单条

■播放光盘时

1 按两次 ON SCREEN 。



- 上述为 DVD VIDEO 的例子。

2 按 选择想要操作的项目。

3 按 ENTER 。

- 可以设置所选的功能。有关设置项目，请参阅下面的 “功能列表”。
- 当前功能显示蓝色。
- 如需取消菜单条，请按 ON SCREEN 。

功能列表

按 选择，然后按 ENTER 确定，除非另有说明。

TIME 时间显示选择	更改显示在本机显示器窗口中和状态条上的时间信息。每按一次 ENTER ，显示将更改。 DVD VIDEO/DVD AUDIO TOTAL：当前标题 / 群组消逝的播放时间 T.REM：当前标题 / 群组剩余的播放时间 TIME ： 当前章节 / 曲目消逝的播放时间 REM ： 当前章节 / 曲目剩余的播放时间 DVD VR TOTAL：原来程序 / 播放列表消逝的播放时间 T.REM：原来程序 / 播放列表剩余的时间 CD/VCD/SVCD TIME ：当前曲目消逝的播放时间 REM ：当前曲目剩余的播放时间 TOTAL：光盘消逝的播放时间 T.REM：光盘剩余的播放时间
OFF 重复播放模式	第 33 页
时间搜索	第 35 页
CHAP. / TRACK 章节搜索 / 曲目搜索	DVD VIDEO/DVD AUDIO 选择一个章节 / 曲目。按数字键输入章节 / 曲目号，然后按 ENTER 。 例如： 5: 5　24: 2 → 4
1/3 音频	DVD VIDEO/DVD AUDIO/VCD/SVCD 第 28 页
1/ 5 字幕	DVD VIDEO/DVD AUDIO/SVCD 第 28 页
1/3 视角	DVD VIDEO/DVD AUDIO 第 29 页
PAGE -/- 页面切换	DVD AUDIO 切换录制在 DVD AUDIO光盘上的静止图像 (B.S.P.)。 第 31 页

显示在状态条上的信息

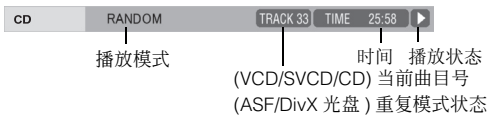
DVD VIDEO/DVD AUDIO （以下为 DVD VIDEO 的例子）



（接下页）

有关遥控键的位置，请参阅第 34 页。

VCD/SVCD/CD/ASF/DivX （以下为 CD 的例子）



注

- 播放状态标记与屏幕显示指导（☞ 第 24 页）上的标记具有相同的意义。

重复播放指定的部分（A-B 重复播放）

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD

（PBC 关）

■播放光盘时

1 **按两次 ON SCREEN。**

- 出现菜单条 （☞ 第 34 页）。

2 **按 ◄ ► 选择 ↻ OFF 。**

3 **按 ENTER 。**

4 **按 ▲ ▼ 选择 A–B 。**

5 **在要重放的开始位置按 ENTER （指定 A 位置）。**

- 菜单条上的图标将为 ↻ A- 。

6 **在要重放的结束位置按 ENTER （指定 B 位置）。**

- 菜单条上的图标将为 ↻ A-B 。本机的显示器窗口中出现 “↻ A-B” 并重复播放 A 和 B 位置之间的部分。

取消 A-B 重复播放

- 如需取消 A-B 重复播放：
  - 按 ■ 。
  - ↻ A-B 被加亮时，按 ENTER 两次。（选择 ↻ OFF 。）

注

- A-B 重复播放仅在相同的标题或曲目中有效。 PBC 播放、编程播放和重复播放期间，无法进行 A-B 重复播放。

指定时间（时间搜索）

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD

（PBC 关）

■播放光盘时

1 **将遥控模式选择器设为 AUDIO。**



2 **按两次 ON SCREEN。**

- 出现菜单条 （☞ 第 34 页）。

3 **按 ◄ ► 选择 ◷➡ 。**

4 **按 ENTER。**

5 **用数字键（ 1-9 ，0 ）输入时间。**

例如： 想要从（0 时）23 分 45 秒的位置播放光盘时，依次按下列键：

0 → 2 → 3 → 4 → 5

- 可以跳过输入 “分” 和 “秒”。
- 如果输入错误的数字，按 ◄ 删除数字，然后重新输入数字。

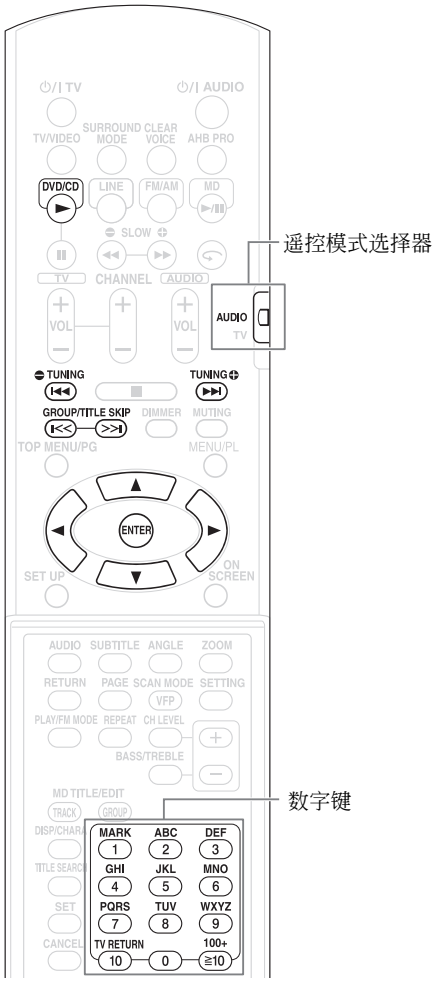
6 **按 ENTER 。**

- 如需删除菜单条，请按 ON SCREEN 。

注

- 可能无法操作本功能 ， 视光盘而异。
- 本功能在编程播放或随机播放时不起作用。
- 对于 CD，总是可以进行本操作。
- DVD VIDEO 的时间搜索从标题的开始位置开始，DVD AUDIO 的时间搜索从正在播放的曲目开始位置开始。VCD、 SVCD 和 CD 的时间搜索如下：
  - 光盘停止播放时，时间搜索从光盘开始位置开始。
  - 光盘正在播放时，可在当前播放的曲目范围内进行时间搜索。

播放 MP3/WMA/JPEG/ASF 和 DivX 光盘



注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。



播放

MP3 WMA JPEG ASF DivX

这里将描述 MP3/WMA 光盘显示作为一个例子。对于 JPEG 光盘，将 “曲目”读取为 “文件”。

注

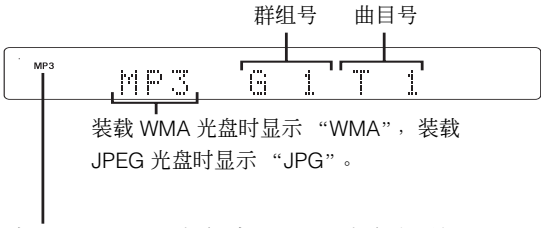
- 光盘上录有不同类型的文件时，请选择要播放的文件类型。（☞ 第 41 页）。

1 插入光盘。

例如： 电视机屏幕



例如： 显示器窗口



2 按 ▲ ▼ 选择一个群组。

3 按 ► 移动到曲目列表。

- 按 ◄ 返回到群组列表。

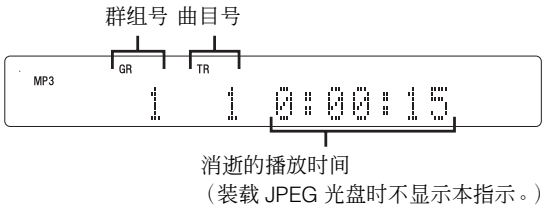
（接下页）

有关遥控键的位置，请参阅第 36 页。

4 按 ▲ ▼ 选择一个曲目。

5 按 DVD/CD 或 ENTER。

例如： 播放期间的显示



- 首先，曲目标题 （文件名）滚动。
- 装载 MP3 或 WMA 光盘时，标记信息 （标题 / 艺术家 / 专辑）在曲目标题后滚动。
- 仅正确显示作为曲目标题或标记信息的单字节字母数字字符。

创建文件 / 群组时的注意事项

- 使用正确的扩展名 （大写字母和小写字母可以混用）。
  MP3 文件： ".MP3" ".mp3"
  WMA 文件： ".WMA" ".wma"
  JPEG 文件： ".JPEG" ".JPG" ".jpeg" ".jpg"
- 文件名和群组名只能使用单字节字符。

创建 CD-R/RW 光盘时的注意事项

- 光盘格式应为 "ISO 9660"
- 不应使用封包式写入方式 （UDF 格式）。
- 确认光盘已终结。

创建 DVD-R/RW 光盘时的注意事项

- 使用 UDF Bridge 格式。

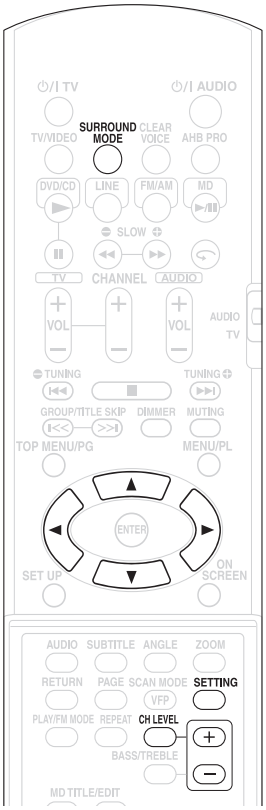
注

- 也可在步骤 2 中使用 GROUP/TITLE SKIP ◀◀ 和 GROUP/TITLE SKIP ▶▶。
- 也可以在步骤 4 中使用数字键。在这种情况下，无需步骤3和5。请参阅 "使用数字键"（第 18 页）。
- 也可在步骤 4 中使用 TUNING ◀◀ 或 TUNING ▶▶。在这种情况下，无需步骤 3 。

幻灯片显示播放 JPEG

- 对于 JPEG 光盘，在步骤 5 按 DVD/CD 时，从所选的文件连续播放文件 （幻灯片显示播放） 。按 ENTER 时，仅播放所选的文件。
- 在幻灯片显示播放中，单个文件显示约为 3 秒。
- 播放完所有文件后，自动停止播放。

设定和调节环绕模式



关于环绕模式

■多声道环绕模式

在“AUTO SURROUND”设定条件下输入多声道信号时，本机自动决定正确的格式并且将环绕模式变为“ON”。输入 2 声道时，本机自动关闭环绕模式。

声音格式	显示
PPCM	P PCM
DOLBY DIGITAL	DD D
DTS	dts

选择环绕模式

AUX MD | DVD VIDEO | DVD AUDIO | DVD VR | VCD SVCD | CD | MP3 WMA

1 反复按 SURROUND MODE 选择环绕模式

每次按 SURROUND MODE，显示变换如下。

- AUTO SURROUND ：正常情况下应该打开此模式。
- MOVIE/M. MUSIC：观赏影片或使用 multi-sounds 录制的音源时，请选择此模式。
- WIDE/2ch MUSIC：与使用多声道模式相比，此模式产生较为宽广的声音。当使用 2 声道录制的音源（如 CD 音源）时，请选择此模式。
- SUPER WIDE ：此模式产生更为宽广的声音。
- SURROUND OFF ：关闭环绕效果。

注

- 当 SURROUND 模式设为“ON”，并且信号经过环绕处理时，显示窗口上出现 “SURROUND”。
- 录制期间，将暂时取消环绕模式的选择。
- 连接了耳机时，显示所选的耳机模式（☞ 第 40 页）。

中文

聆听光盘

有关遥控键的位置，请参阅第 38 页。

调节每个扬声器的音量

1 按 CH LEVEL 选择“ SURR ”（ 环绕扬声器 ）或“ SUBWFR ”（ 重低音 ）。

• 播放带亚低音扬声器音频信号的多声道 DVD 时，只能选择 “SUBWFR”。

2 选择 ⊕ 或 ⊖ 调节音量。

在 -6 至 +6 的范围内调节音量。

• 几秒钟后返回音源显示。

注

• 在下列情况中，不能调节 “SUBWFR”。
• 在右边的 “其他设定”中 “SUBWFR”被设为 “OFF”。
• 播放有立体声的音源。
• 音源为 DVD/CD 并且光盘被停止。

其他设定

1 按 SETTING。

2 按 ▼ 或 ▲ 选择设定项目。

BAL ：调节前置扬声器的音量平衡。
SUB WFR ：设定是否使用重低音。
DEC1 ：设定 Digital 1 端子的解码模式。
DEC2 ：设定 Digital 2 端子的解码模式。

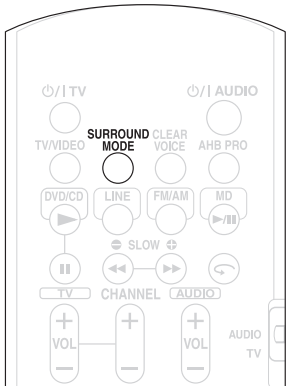
3 按 ◄ ► 设定或调节电平。

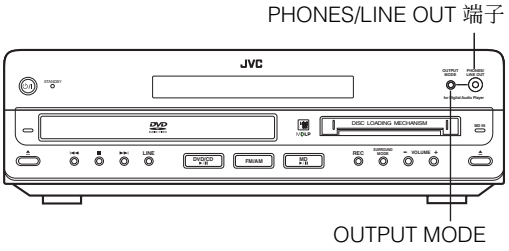
BAL:
降低左右扬声器的音量。要降低右扬声器的音量，按 ◄ (R-1-R-21)，要降低左扬声器的音量，按 ► (L-1-L-21)。
每次按键，音量电平将改变。平衡正确时，显示 “CENTER”。

SUB WFR:
将重低音连接到本机时，选择 “ON”。
不连接重低音时，选择 “OFF”。

DEC1, 2:
当连接到Digital 1或2的外部设备使用Dolby Digital 或 DTS，或者诸如 BS 数字调谐器等设备连接到 Digital 1 或 2 时，可以让您设定解码模式。在下列情况中非常有帮助：
• 在播放开头听不到声音时。
• 选择章节的过程中听到噪音时。
AUTO/PCM: 正常情况下应该选择此模式。
DTS: 声音为DTS时应该选择此模式。不能听到除 DTS 以外的其它声音。
• 几秒钟后可以返回源 （音源）显示。

PHONES 功能





使用环绕耳机功能

■连接耳机并使用除无线电以外的其他音源时

1 反复按 SURROUND MODE 选择耳机模式。

每按一次 SURROUND MODE，显示变化如下。

- H. P. AUTO ：正常情况下应打开此模式。对于multi-sound，请选择H.P. SURROUND模式；对于立体声声音，请选择H.P. NORMAL模式。
- H. P. SURROUND ：观赏影片或收听multi-sound音源时，请选择此模式。
- H. P. NORMAL ：收听以 2 声道录制的音源（如 CD 或其他 2 声道音源）时，请选择此模式。

- 环绕模式设为 “ON”并对信号进行环绕处理时，显示窗口上会出现 “SURROUND”。
- 录制期间，对环绕模式的选择暂时取消。
- 断开耳机时，会显示所选的环绕模式。

– H. P. AUTO → AUTO SURROUND
– H. P. SURROUND → MOVIE/M. MUSIC / WIDE/2ch MUSIC / SUPER WIDE
– H. P. NORMAL → SURROUND OFF

请参阅 “设定和调节环绕模式”（☞ 第 38 页）。

更改 PHONES/LINE OUT 端子输出

PHONES/LINE OUT 端子的输出可以设为耳机音频输出或用于数字音频播放机的线性输出。

■断开耳机并连接线性输出导线时

1 反复按本机上的 OUTPUT MODE 选择输出音频。

每按一次 OUTPUT MODE，显示变化如下。

- LINE OUT1 ：输出用于数字音频的线性输出音频 *。无法调节音量和音质。
- LINE OUT2 ：输出正常的线性输出音频。无法调节音量和音质。
- Headphone mode display (Normally H. P. AUTO) ：输出耳机音频。可以调节音量和音质。

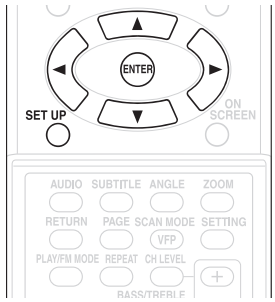
* 连接 JVC 数字音频播放机时处于最佳电平。

注 意

- 用耳机收听时，请勿将 PHONES/LINE OUT 端子输出更改为 LINE OUT 1 或 2，否则，意想不到的高音会损害听力。更改设定之前，请务必连接线性输出导线。
- 将线性输出导线连接至 PHONES/LINE OUT 端子时，扬声器不产生声音。

个人偏好

DVD VIDEO DVD AUDIO DVD VR VCD SVCD CD MP3 WMA JPEG ASF DivX



根据产品使用的环境可以更改本产品的初始设置。

注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。



注

- 个人偏好屏幕的上方和下方可能无法显示在宽屏幕电视机上。在电视机上调节图像尺寸。

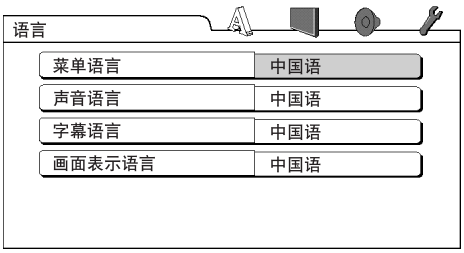
基本操作

本节介绍更改各种设置的基本操作。

■光盘停止播放或无光盘装载（显示 “NO DISC”时）时

1 按 SET UP ◯ 。

- “SETTING”出现在本机显示器窗口上，然后下列屏幕将会出现在电视机上。



- 按电视机屏幕上的说明继续进行操作。

语言

注

- 如果所选的语言未录制在光盘上，则出现光盘最合适的语言。
- 有关诸如 “AA”的语言代码，请参阅 “语言代码”（☞ 第 43 页）。

项目	说明
菜单语言	选择 DVD VIDEO 菜单的语言。
声音语言	选择 DVD VIDEO 的音频语言。
字幕语言	选择 DVD VIDEO 的字幕语言。
画面表示语言	选择显示在个人偏好屏幕的语言。

图像

项目	说明（ ：初始设置）
屏幕类型	**为电视机选择合适的显示模式。** **16 : 9 /16 : 9 多制式（宽屏幕电视机）：** 宽屏幕电视机的宽高比固定为 16:9 时，选择本项目（播放以 4:3 录制的 DVD VIDEO 时，本产品自动调节输出信号的屏幕宽度）。  **4 : 3 信箱屏幕 /4 : 3 多制式信箱屏幕：** 电视机宽高比为传统 4:3 时，选择本项目。浏览宽屏幕图像时，黑条出现在屏幕的上下边缘。  **4 : 3 全景屏幕 /4 : 3 多制式全景屏幕：** 电视机宽高比为传统 4:3 时，选择本项目。浏览宽屏幕图像时，图像的左右边缘将不会出现在屏幕上。（如果光盘不兼容全景屏幕，图像将不会以信箱比率显示。） 
图像来源	选择适合视频源的项目。 **自动：** 自动选择视频源类型 （视频或电影）。 **电影：** 想要观看电影或以逐行扫描方式录制的视频时选择本项目。 **视频：** 想要观看正常视频时选择本项目。
映像储存器	在**通** / **断**之间选择屏幕保护模式 （从静止图像最后显示开始 5 分钟未进行操作时，屏幕保护启动）。
文件类型	如果光盘包括**音频** 文件（MP3/WMA），**静止图像**文件（JPEG）和**视频**文件 (ASF/DivX)，请选择播放的文件。如果更改本设置，请打开并关闭光盘托架，或暂时关闭本机。（无论本设置如何，均可播放带音频文件或静止图像文件的光盘。）

音频

项目	说明（ ：初始设置）
数码音频输出	根据连接到数字音频输出端子（AV 音频放大器等）的设备情况，从下列项目中选择输出信号的类型。（有关个人偏好项目和输出信号，请参阅以下列表。） PCM： 仅与线性 PCM 相关的设备。 DOLBY DIGITAL/PCM： 杜比数码解码器或拥有相同功能的设备。 光束 /PCM ： DTS/ 杜比数码解码器或拥有相同功能的设备。
下行混合	根据所连接的设备情况，切换 DVD VIDEO 数字输出端子输出的信号。“数码音频输出”设为“PCM”时，选择本项目。 杜比环绕： 内置杜比专业逻辑解码器的设备。 立体声 ： 普通设备。
动态范围控制	低音量播放时，调节高音量和低音量的音量差（仅以杜比数码录制的 DVD）。 自动 ： 动态范围补偿自动起作用。 通： 动态范围补偿总是起作用。

其他

项目	说明（ ：初始设置）
记忆播放	选择 通 / 断（☞ 第 25 页）
屏幕指南	选择 通 / 断（有关指导图标的详情，请参阅第 24 页。）
AV 电脑连动功能	想要使用本产品控制 JVC 电视机时，请从以下选择匹配端子的模式。（有关详情，请参阅第 70 页的“使用 AV 电脑连动”。） DVD1 ： 连接到电视机上的视频 3 输入。 DVD2： 连接到电视机的视频 1 输入。 DVD3： 连接到电视机的视频 2 输入。
DivX 认证	DVD 播放机拥有自己的注册码。需要时，可以对注册码进行确认。播放录有注册码的光盘时，将会覆盖 DVD 播放机的注册码以保护版权。

DIGITAL AUDIO OUTPUT 个人偏好项目和输出信号的关系列表

播放光盘	DIGITAL AUDIO OUTPUT 个人偏好		
	光束 /PCM	DOLBY DIGITAL/PCM	PCM
48 kHz, 16/20/24 位 线性 PCM DVD VIDEO 96 kHz 线性 PCM DVD VIDEO	48 kHz, 16 位线性立体声 PCM		
48/96/192 kHz，16/20/24 位线性 PCM DVD AUDIO*	48 kHz, 16 位线性立体声 PCM		
44.1/88.2/176.4k Hz，16/20/24 位线性 PCM DVD AUDIO*	44.1 kHz, 16 位线性立体声 PCM		
DTS DVD VIDEO/DVD AUDIO*	DTS 比特流	48 kHz, 16 位线性立体声 PCM	
杜比数码 DVD VIDEO/ DVD AUDIO*	杜比数码比特流		48 kHz, 16 位线性立体声 PCM
CD/VCD/SVCD	44.1 kHz, 16 位线性立体声 PCM/48 kHz, 16 位线性 PCM		
DTS CD	DTS 比特流	44.1 kHz, 16 位线性 PCM	
MP3/WMA/DivX 光盘	32/44.1/48 kHz, 16 位线性 PCM		

注

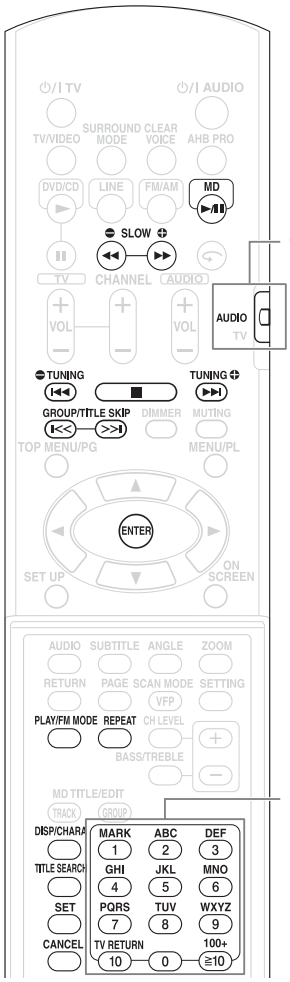
* 有内容保护设置的 DVD AUDIO 无输出。
• 对于无内容保护设置的 DVD VIDEO，在数字音频输出端子存在 20 位或 24 位输出。

语言代码

代码	语言	代码	语言
AA	阿法尔语	MK	马其顿语
AB	阿布哈西亚语	ML	马拉雅拉姆语
AF	南非公用荷兰语	MN	蒙古语
AM	阿埃哈里语	MO	摩尔多瓦语
AR	阿拉伯语	MR	马拉地语
AS	阿萨姆语	MS	马来语 (MAY)
AY	艾马拉语	MT	马耳他语
AZ	阿塞拜疆语	MY	缅甸语
BA	巴什基尔语	NA	瑙鲁语
BE	白俄罗斯语	NE	尼泊尔语
BG	保加利亚语	NL	荷兰语
BH	比哈里语	NO	挪威语
BI	比斯克混合语	OC	欧西坦语
BN	孟加拉语	OM	库希特语
BO	西藏语	OR	奥里雅语
BR	布列塔尼语	PA	旁遮普语
CA	加泰罗尼亚语	PL	波兰语
CO	科西嘉语	PS	普什图语
CS	捷克语	PT	葡萄牙语
CY	威尔士语	QU	凯楚阿语
DA	丹麦语	RM	列托罗曼斯语
DZ	不丹语	RN	基隆迪语
EL	希腊语	RO	罗马尼亚语
EO	世界语	RU	俄语
ET	爱沙尼亚语	RW	金亚旺达语
EU	巴斯克语	SA	梵语
FA	波斯语	SD	信德语
FI	芬兰语	SG	佛兰卡国际混合语
FJ	斐济语	SH	塞尔维亚克罗地亚语
FO	法罗语	SI	僧伽罗语
FY	弗里斯兰语	SK	斯洛伐克语
GA	爱尔兰语	SL	斯洛文尼亚语
GD	苏格兰盖尔语	SM	萨摩亚语
GL	加利西亚语	SN	修纳语
GN	瓜拉尼语	SO	索马里语
GU	古吉拉特语	SQ	阿尔巴尼亚语
HA	豪撒语	SR	塞尔维亚语
HI	印地语	SS	希斯瓦梯语
HR	克罗地亚语	ST	塞索托语
HU	匈牙利语	SU	巽他语
HY	亚美尼亚语	SV	瑞典语
IA	拉丁国际语	SW	斯瓦希里语
IE	拉丁国际语	TA	泰米尔语
IK	伊努皮克语	TE	泰卢固语
IN	印度尼西亚语	TG	塔吉克语
IS	冰岛语	TH	泰国语
IW	希伯来语	TI	蒂格尼亚语
JI	依地语	TK	土库曼语
JW	爪哇语	TL	塔加拉语
KA	格鲁吉亚语	TN	茨瓦纳语
KK	哈萨克语	TO	汤加语
KL	格陵兰语	TR	土耳其语
KM	柬埔寨语	TS	聪加语
KN	卡纳达语	TT	鞑靼语
KO	韩国语 (KOR)	TW	契维语
KS	克什米尔语	UK	乌克兰语
KU	库尔德语	UR	乌尔都语
KY	吉尔吉斯语	UZ	乌兹别克语
LA	拉丁语	VI	越南语
LN	林格拉语	VO	沃拉普克语
LO	老挝语	WO	沃洛夫语
LT	立陶宛语	XH	科萨语
LV	拉脱维亚语，列特语	YO	约鲁巴语
MG	马尔加什语	ZU	祖鲁语
MI	毛利语		

国家 / 地区代码

AD	安道尔	ER	厄立特里亚	LA	老挝人民民主共和国	RW	卢旺达
AE	阿拉伯联合酋长国	ES	西班牙	LB	黎巴嫩	SA	沙特阿拉伯
AF	阿富汗	ET	埃塞俄比亚	LC	圣卢西亚	SB	所罗门群岛
AG	安提瓜和巴布达	FI	芬兰	LI	列支敦士登	SC	塞舌尔
AI	安圭拉	FJ	斐济	LK	斯里兰卡	SD	苏丹
AL	阿尔巴尼亚	FK	福克兰群岛 （马尔维纳斯）	LR	利比里亚	SE	瑞典
AM	亚美尼亚	FM	密克罗尼西亚 （联邦）	LS	莱索托	SG	新加坡
AN	荷属安的列斯群岛	FO	法罗群岛	LT	立陶宛	SH	圣赫勒拿岛
AO	安哥拉	FR	法国	LU	卢森堡	SI	斯洛文尼亚
AQ	南极地区	FX	法国，大城市	LV	拉脱维亚	SJ	斯瓦尔巴岛和央棉岛
AR	阿根廷	GA	加蓬	LY	利比亚	SK	斯洛伐克
AS	美属萨摩亚	GB	英国	MA	摩洛哥	SL	塞拉利昂
AT	奥地利	GD	格林纳达	MC	摩纳哥	SM	圣马力诺
AU	澳大利亚	GE	格鲁吉亚	MD	摩尔多瓦共和国	SN	塞内加尔
AW	阿鲁巴岛	GF	法属圭亚那	MG	马达加斯加	SO	索马里
AZ	阿塞拜疆	GH	加纳	MH	马绍尔群岛	SR	苏里南
BA	波斯尼亚和黑塞哥维那	GI	直布罗陀	ML	马里	ST	圣多美和普林西比
BB	巴巴多斯	GL	格陵兰	MM	缅甸	SV	萨尔瓦多
BD	孟加拉国	GM	冈比亚	MN	蒙古	SY	叙利亚
BE	比利时	GN	几内亚	MO	澳门	SZ	斯威士兰
BF	布基纳法索	GP	瓜德洛普	MP	北马里亚纳群岛	TC	特克斯和凯科斯群岛
BG	保加利亚	GQ	赤道几内亚	MQ	马提尼克岛	TD	乍得
BH	巴林	GR	希腊	MR	毛里塔尼亚	TF	法属南部领地
BI	布隆迪	GS	南乔治亚岛和夏威夷群岛	MS	蒙特塞拉特岛	TG	多哥
BJ	贝宁	GT	危地马拉	MT	马耳他	TH	泰国
BM	百慕大	GU	关岛	MU	毛里求斯	TJ	塔吉克斯坦
BN	文莱达鲁萨兰国	GW	几内亚比绍	MV	马尔代夫	TK	托克劳群岛
BO	玻利维亚	GY	圭亚那	MW	马拉维	TM	土库曼斯坦
BR	巴西	HK	香港	MX	墨西哥	TN	突尼斯
BS	巴哈马	HM	赫德岛和麦克唐纳群岛	MY	马来西亚	TO	汤加语
BT	不丹	HN	洪都拉斯	MZ	莫桑比克	TP	东帝汶
BV	博维特岛	HR	克罗地亚	NA	纳米比亚	TR	土耳其
BW	博茨瓦纳	HT	海地	NC	新喀里多尼亚	TT	特立尼达和多巴哥
BY	白俄罗斯	HU	匈牙利	NE	尼日尔	TV	图瓦卢
BZ	伯利兹	ID	印度尼西亚	NF	诺福克岛	TW	台湾
CA	加拿大	IE	爱尔兰	NG	尼日利亚	TZ	坦桑尼亚联合共和国
CC	可可群岛	IL	以色列	NI	尼加拉瓜	UA	乌克兰
CF	中非共和国	IN	印度	NL	荷兰	UG	乌干达
CG	刚果	IO	英属印度洋地区	NO	挪威	UM	美属少数外围岛屿
CH	瑞士	IQ	伊拉克	NP	尼泊尔	US	美国
CI	科特迪瓦	IR	伊朗 （伊斯兰共和国）	NR	瑙鲁语	UY	乌拉圭
CK	库克群岛	IS	冰岛	NU	纽埃岛	UZ	乌兹别克斯坦
CL	智利	IT	意大利	NZ	新西兰	VA	梵蒂冈 （圣座）
CM	喀麦隆	JM	牙买加	OM	阿曼	VC	圣文森特和格林纳丁斯
CN	中国	JO	约旦	PA	巴拿马	VE	委内瑞拉
CO	哥伦比亚	JP	日本	PE	秘鲁	VG	维尔京群岛 （英属）
CR	哥斯达黎加	KE	肯尼亚	PF	法属波利尼西亚	VI	维尔京群岛 （美属）
CU	古巴	KG	吉尔吉斯坦	PG	巴布亚新几内亚	VN	越南
CV	佛得角	KH	柬埔寨	PH	菲律宾	VU	瓦努阿图
CX	圣诞岛	KI	基里巴斯	PK	巴基斯坦	WF	瓦利斯群岛和富图纳群岛
CY	塞浦路斯	KM	科摩罗	PL	波兰	WS	萨摩亚
CZ	捷克共和国	KN	圣克里斯托弗和尼维斯联邦	PM	圣皮埃尔岛和密克隆岛	YE	也门
DE	德国	KP	北朝鲜	PN	皮特克恩岛	YT	马约特
DJ	吉布提	KR	韩国	PR	波多黎各	YU	南斯拉夫
DK	丹麦	KW	科威特	PT	葡萄牙	ZA	南非
DM	多米尼加联邦	KY	开曼群岛	PW	帕劳群岛	ZM	赞比亚
DO	多米尼加共和国	KZ	哈萨克	PY	巴拉圭	ZR	扎伊尔
DZ	阿尔及利亚			QA	卡塔尔	ZW	津巴布韦
EC	厄瓜多尔			RE	留尼汪岛		
EE	爱沙尼亚			RO	罗马尼亚		
EG	埃及			RU	俄罗斯联邦		
EH	西撒哈拉						

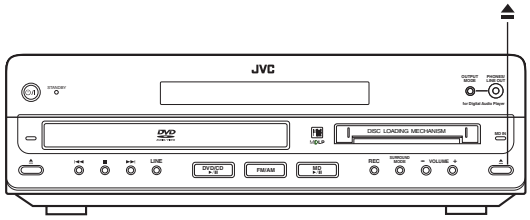


注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。



	操作
停止	按 ■。
暂停	在播放期间按 MD ►/II。再次按 MD ►/II 继续播放。
弹出	按本机上的 ⏏（右）。

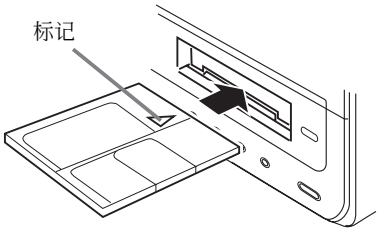


聆听 MD

常 用

■本机电源打开时

1 **插入 MD。**



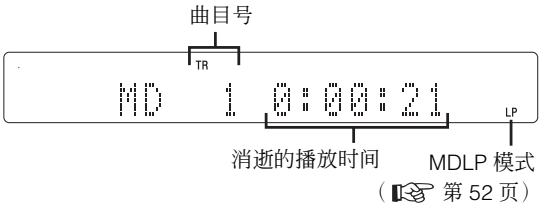
注 意

- 本机关闭时，请勿插入 MD。强行插入 MD 可能损坏本机。

2 **按 MD ►/II 。**

- 装载上MD时，本机上的DISC IN灯点亮为红色。

■播放 MD 时的显示



（☞ 第 52 页）

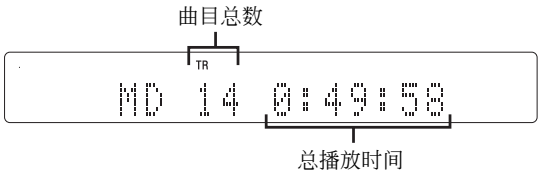
- 曲目已经设置曲目标题时，首先出现曲目标题。
- 接下来出现群组号。 *

* 正在播放的曲目不属于群组时，出现 “GR. - -”。

注 意

- MD 指示点亮或闪烁时，请勿插入另一 MD。强行插入 MD 可能损坏本机。

■MD 停止播放时的显示



- MD 已经设置 MD 标题 （光盘标题）时，首先出现 MD 标题。
- 长标题会滚动。
- 接下来出现群组总数。 *

* 没有群组属于 MD 时，出现 “GR. - -”。

更改显示器窗口中的显示 常 用

按 DISP/CHARA 。

• 每按一次 DISP/CHARA，显示变化如下。

■播放 MD 时

播放 MD 时的显示（☞ 第 45 页）
↓
曲目标题显示 — 曲目没有设置标题时，出现 “TR. NO TITLE”。
↓
群组标题显示 — 正在播放的曲目不属于群组时，不出现群组标题显示。群组没有设置标题时，出现 “GR. NO TITLE”。
↓
时钟显示
↑（返回播放 MD 时的显示）

■ MD 停止播放时

MD 停止播放时的显示（☞ 第 45 页）
↓
曲目和群组总数显示
↓
光盘标题显示 — MD 没有设置标题时，出现 “DISC NO TITLE”。
↓
时钟显示
↑（返回 MD 停止播放时的显示）

注

• 音源选择 MD 时，如果插入没有录制任何声音的 MD，则出现 “BLANK DISC”。

快倒 / 快进搜索 常 用

存在两种方法。

■播放 MD 时

按 SLOW ◀◀ 或 SLOW ▶▶ 。

• 如需恢复正常速度，请按 MD ▶/II。

按住 TUNING ⏮ 或 TUNING ⏭ 。

按该键可进行快倒 / 快进搜索。

跳到曲目的开始位置 常 用

■播放 MD 时

按 TUNING ⏮ 或 TUNING ⏭ 。

• 每按一次 TUNING ⏮，当前曲目跳到前一曲目的开始位置。

• 每按一次 TUNING ⏭，当前曲目跳到下一曲目的开始位置。

• 按 GROUP/TITLE SKIP ⏮ 或 GROUP/TITLE SKIP ⏭ 选择群组。

指定曲目（直接选择曲目）

1 将遥控模式选择器设为 AUDIO。



2 按数字键（MARK 1-TV RETURN 10，0 或 100+ ≧10）选择想要聆听的曲目。

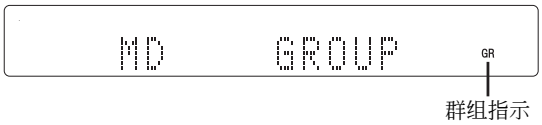
• 请参阅 “使用数字键”（☞ 第 18 页）。

MD 的群组播放

可以从群组中仅播放想要聆听的曲目。

■ MD 停止播放时

1 反复按 PLAY/FM MODE 选择 “ GROUP ”。



2 按 MD ►/II 。

- 开始播放群组 1 。
- 如果不存在群组，则 “GR” 消失，开始正常播放。

3 按 GROUP/TITLE SKIP I<< 或 GROUP/TITLE SKIP >>I 选择群组。

- 所选群组中的所有曲目播放完毕时，自动停止播放。

取消群组播放

停止播放时，反复按 PLAY/FM MODE 选择 “ GROUP ”以外的项目。

注

- 弹出 MD 或关闭本机也会取消群组播放。

MD 的编程播放

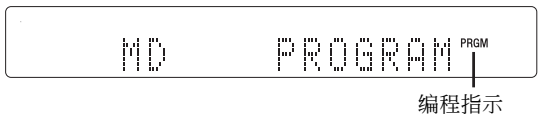
本功能用于最多编程 32 首曲目。

■ MD 停止播放时

1 将遥控模式选择器设为 AUDIO。

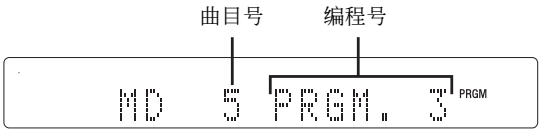


2 按 PLAY/FM MODE 选择 “ PROGRAM ”。



3 按数字键（ MARK 1 - TV RETURN 10 , 0 或 100+ ≧10 ）选择曲目号。

- 请参阅 “使用数字键”（☞ 第 18 页）。



注

- 如需删除编程，请在停止播放时按 CANCEL 。从最后一首曲目逐个删除编程的曲目。按住 CANCEL 删除所有编程的曲目。
- 试图编程第 33 首曲目时，显示器窗口中出现 “MEMORY FULL”，表示无法编程 33 首或更多的曲目。
- MD 编程播放的总时间达到 2 小时 31 分钟时，出现 “--:--”。

4 按 MD ►/II 。

确认编程曲目顺序

暂停播放时，反复按 TUNING I◄◄ 或 TUNING ►►I 。

- 可以将一首曲目添加为编程中的最后一首曲目，或删除最后一首曲目。（☞ 步骤 3 ）

取消编程播放

停止播放时，反复按 PLAY/FM MODE 显示 “ PROGRAM ”以外的项目。

- 本操作并不删除编程。

删除所有编程的曲目

暂停播放时，按住 CANCEL 。

注

- 弹出 MD 或关闭本机也会删除编程的曲目。本操作也会取消编程播放。

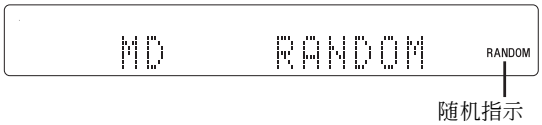
有关遥控键的位置，请参阅第 45 页。

MD 的随机播放

本功能用于随机聆听曲目。

■停止播放光盘时

1 反复按 PLAY/FM MODE 选择 “ RANDOM ”。



2 按 MD ▶/II 。

注

- 反复按 TUNING ⏮ 不会将播放返回到上一首曲目。
- 每首曲目播放一次。

取消随机播放

停止播放时，反复按 PLAY/FM MODE 显示 “ RANDOM ”以外的项目。

注

- 弹出 MD 或关闭本机也会取消随机播放。

MD 的重复播放

本功能用于反复聆听同一曲目。

播放 MD 期间，反复按 REPEAT 选择重复播放模式。

例如：



- 每按一次 REPEAT ，显示变化如下。

REPEAT ALL
(ALL) ：重复播放 MD 中的所有曲目。用于选择 MD 群组播放时重复所选群组中的所有曲目。

REPEAT TRACK
(↻) ：重复单首曲目。

REPEAT OFF
：取消重复播放。

注

- 弹出 MD 或关闭本机也会取消重复播放。

MD 的搜索标题

本功能用于搜索 MD 中的曲目标题或群组标题。

■停止播放光盘时

1 将遥控模式选择器设为 AUDIO。



2 反复按 TITLE SEARCH 选择搜索类型。

SEARCH
TR.T.SEARCH
用于搜索曲目标题。

GR SEARCH
GR.T.SEARCH
用于搜索群组标题。
（本功能仅存在群组时可用。）

3 按 SET 。

例如：



（接下页）

有关遥控键的位置，请参阅第 45 页。

4 输入要查找的标题。

- 输入标题的前 1 至 5 个字符。

  例如： 输入 “F” 按照曲目号顺序搜索以 “F” 开头的标题。

  输入 “Frien” 按照曲目号顺序搜索以 “Frien” 开头的标题。

- 有关输入标题，请参阅 “输入标题”（☞ 第 56 页）。
- 搜索没有标题的曲目或群组时，无需输入任何字符，然后跳到步骤 5。

5 按 ENTER。

- 出现 “SEARCH”，然后开始标题搜索。搜索到标题时，开始播放该曲目。播放结束时，自动开始下一标题搜索。

注

- 空格被视为字符。但是，空格后没有任何字符时，该空格被忽略。
- 字母区分大小写。
- 没有搜索到相关标题时，出现 “NOT FOUND”。

搜索另一曲目标题或群组标题

按 TUNING ⊕ (▶▶|)（或 GROUP/TITLE SKIP (>>|)）。

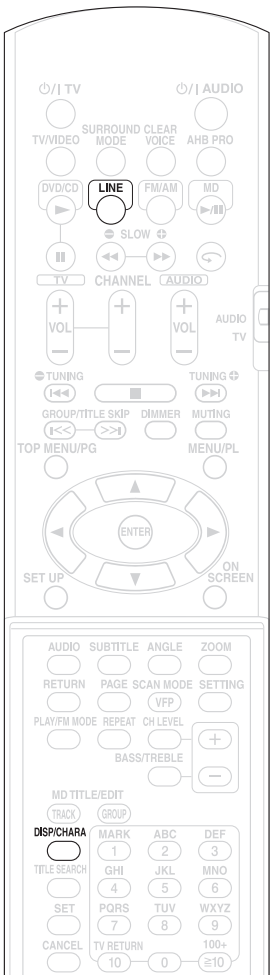
退出标题搜索

按 TITLE SEARCH (▭)。

- 标题搜索被取消，播放返回到当前曲目开头。



聆听其他设备



1 按 LINE 。

• 每按一次 LINE，显示变化如下。

LINE ： 从连接到本机 LINE IN 端子的其他设备聆听声音。

LINE-DIGITAL1 ： 从连接到本机 DIGITAL 1 端子的其他设备聆听声音。

LINE-DIGITAL2 ： 从连接到本机 DIGITAL 2 端子的其他设备聆听声音。

2 开始其他设备的播放。

• 请参阅所连设备的操作说明书。

3 调节音量并进行其他必须的设置。

• 有关调节音量并进行其他必须的设置，请参阅 “基本操作”（☞ 第 18 页）。

更改显示器窗口中的显示

按 DISP/CHARA 。

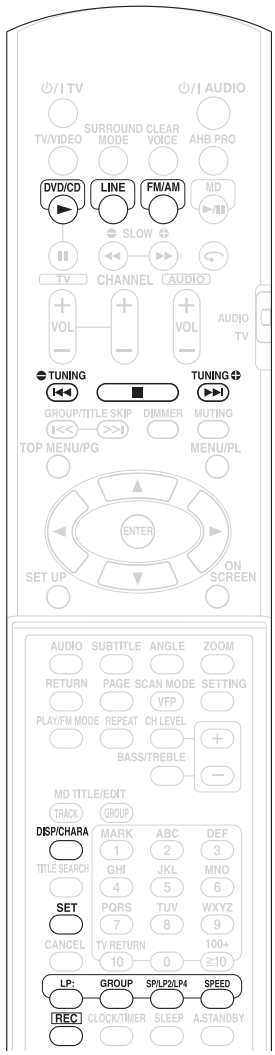
• 每按一次 DISP/CHARA ，显示变化如下。

音源名称

REM. （时间显示） （装载 MD 时） MD 录制剩余时间的显示

时钟显示

将声音录制到 MD



MD 录制须知

- **未经版权拥有者的同意而录制或播放具有版权的素材可能违法。**
- 本机可以使用长时间立体声播放 (MDLP)。可以让您录制两倍或四倍于指定时长的原始立体声。
- 可以将不同 MDLP 模式的曲目录制到 MD。
- 本产品无法使用单声道扩展录制功能。
- 无法录制 ASF/DivX 光盘的声音。

注 意

- 录制 MD 时，请勿撞击或摇晃本机。显示 “WRITING” 时，请特别注意。撞击或摇晃本机可能干扰 MD 播放。
- 无法使用不兼容 MDLP 的音频设备播放以 LP2 或 LP4 录制的曲目。尝试播放时，曲目标题前出现 “LP:” ，本机不会发出任何声音。使用兼容 MDLP 的音频设备播放以 LP2 或 LP4 录制的曲目时，不会出现 “LP:”。
  如需激活或取消 “LP:” 指示，请按 LP:。（如下）

“LP:” 指示设置

按 LP:。

- 每按一次 LP:，显示变化如下。

(LP:) ON ：将 “LP:” 添加到曲目标题。

(LP:) OFF：将 “LP:” 从曲目标题删除。

CD-R/CD-RW 录制

- 将 CD-R 或 CD-RW 的声音录制到 MD 时，按 REC 可能在显示器窗口中显示 “SCMS CANNOT COPY”，并可能无法进行数字录制。
  在这种情况下，请将录制速度设为常速，并按住 REC 4 秒钟或以上。显示 “ANALOG REC?” 时，再按一次 REC 选择模拟录制。

- 单张 MD 最多可以录制 254 首曲目。如果试图录制 255 首或更多的曲目，出现 “DISC FULL”。
- 使用已经部分录制的 MD 时，本产品搜索空白部分并将新的曲目录制到该部分。
  不同于磁带录制，录制时，无法覆盖 MD 上的旧曲目。
- 本产品在录制时更改音量或音质并不影响录制的声音。
- CD 的声音以数字信号录制到 MD。录制时，电台或 LINE 的声音从模拟信号转换到数字信号。
- 录制光盘时，曲目间自动插入曲目标记。但是，录制 DVD VIDEO 或 DVD AUDIO 时，可能无法插入曲目标记。

将光盘上的所有曲目录制到 MD

1 按 DVD/CD ，然后按 ■ 。

- 音源选择 DVD 并**停止播放**。

■从 DVD VIDEO 或 DVD VR 录制声音时

- 播放一个标题或章节，暂停播放，然后按 TUNING ⏮ 返回到首个标题 / 章节的开始位置。
- 可能无法录制 DVD VIDEO 或 DVD VR，视光盘而异。

2 插入 MD。

- 预先关闭 MD 上的防写片（☞ 第 72 页）。

3 按 SP/LP2/LP4 选择 MDLP 模式。

- 每按一次 SP/LP2/LP4 ，显示变化如下。

SP ：标准立体声录制（MD 80 最长录制时间为 80 分钟）。

↓

LP2：×2 延长立体声录制（MD 80 最长录制时间为 160 分钟）。

↓

LP4：×4 延长立体声录制（MD 80 最长录制时间为 320 分钟）。

- 改变 MDLP 模式（SP→LP2→LP4）时，音质也会改变。想要尽可能以最佳音质录制声音时，请选择 SP 模式。
- 使用不兼容 MDLP 模式的 MD 汽车音频系统、便携式 MD 播放机或其他 MD 播放机时，请选择 SP 模式。

4 按 GROUP 设置群组录制。

- 每按一次 GROUP ，显示变化如下。

GROUP REC ON ：激活群组录制（初始设置）。

↕

GROUP REC OFF：取消群组录制。

- 可以在录制结束后制作或取消群组。（☞ 第 60 和 63 页）

5 按 SPEED 选择录制速度。

- 每按一次 SPEED ，显示变化如下。

×5 SPEED：×5 高速录制（仅 CD）

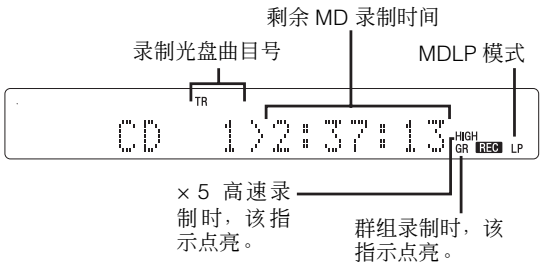
↕

×1 SPEED：常速录制

- 要播放 CD 以外的光盘，请选择正常速度。如果对 CD 以外的光盘选择“×5 SPEED”并按下 REC ，显示窗口内出现“CANNOT REC x1 REC ONLY”，不能开始录制。
- 高速录制和正常速度录制所录制的音质相同。
- 在 ×5 高速录制时，无法聆听声音。

6 按 REC 。

例如： 录制 CD 时的显示



- 出现 “HCMS CANNOT COPY” 时，请参阅第 71 页。

注

- 自动调节录制的声音电平。
- ×5 高速录制时，CD 高速旋转。因此，声音可能录制错误并受噪音的影响，视 CD 状况而异。如果声音录制错误，请选择常速录制。
- 录制的剩余时间视所选 MDLP 模式而异。
- 启用重复播放功能时，无法录制声音。启动录制功能将自动取消重复播放。
- 录制 DVD 影片时，不能对 DVD 进行设定，包括声音、字幕、视角、图像放大和环绕模式选择。
- 进行录制操作时，环绕模式的选定自动解除（☞ 第 38 页）。

退出录制

按 ■ 。

仅录制光盘的单首曲目

（不包括 DVD VIDEO）

开始播放想要录制的曲目，然后跳到步骤 6。

- 在步骤 6 中按 REC 将播放返回到曲目开头，仅录制当前曲目。
- 单首曲目录制对于 DVD VIDEO 或DVD VR不可用。

录制光盘的第 2 首或随后的曲目到最后一首曲目

■录制CD/VCD/SVCD/DVD VIDEO/DVD VR时

（对于 DVD VR：仅以原来程序录制时）

（对于 DVD VIDEO 或 DVD VR：暂停播放光盘时）

按 TUNING 或 TUNING 选择开始的曲目号或章节号，然后跳到步骤 6。

■录制 DVD AUDIO/MP3/WMA

按 GROUP/TITLE SKIP GROUP/TITLE SKIP 选择群组号，接着按 TUNING 或 TUNING 选择曲目号，然后跳到步骤 6。

光盘的编程录制

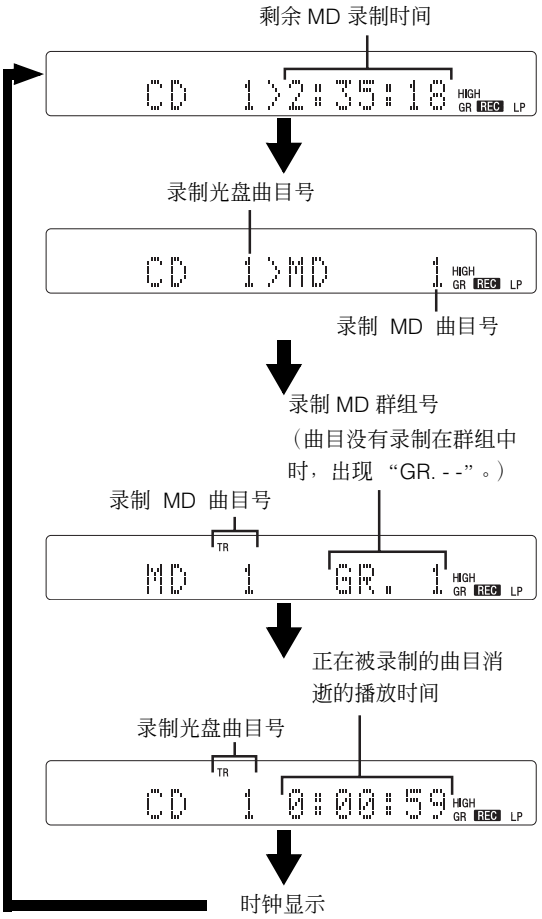
编程想要录制的曲目，然后执行第 52 页的步骤 1（☞ 第 47 页）。

- 选择常速录制（☞ 第 52 页的步骤 5）。选择 “×5 SPEED” 并跳到步骤 6 时，显示器窗口中出现 “CANNOT REC × 1 REC ONLY” 而录制并未开始。

更改录制时显示器窗口中的显示

按 DISP/CHARA 。

- 每按一次 DISP/CHARA ，显示变化如下。



录制电台或其他设备的声音

注

- 自动调节录制的声音电平。
- 声音同步录制用于录制其他设备(LINE)的声音。声音同步录制时，本产品自动识别音源的声音信号，然后开始录制。音源的声音暂停 30 秒或以上时，本产品自动退出录制。最后录制的曲目和下一录制的曲目之间的空白时间约为 2 秒。

1 选择音源。

音源	操作
广播	选择想要录制的广播电台（☞ 第 20 页）。
其他设备 (LINE/LINE-DIGITAL1/2) 的声音	反复按 LINE 选择 LINE 或 LINE-DIGITAL 1/2，然后准备其他设备的播放（☞ 第 50 页）。

2 插入用于录制的 MD。

- 确认 MDLP 、“ LP:” 指示和群组录制设置。（☞ 第 51 和 52 页）
- 关闭 MD 上的防写片（☞ 第 72 页）。

3 按住本机上的 REC 约 4 秒显示曲目标记选项。

4 显示曲目标记选项时，按本机上的 ⏮ ⏭ 选择曲目标记选项。

- 每按一次 ⏮ ⏭，显示变化如下。

MANUAL MARK ：录制时，每按一次 SET，设置 1 个曲目标记（初始设置）。

TIME MARK ：以 5 分钟间隔自动设置曲目标记。

AUTO MARK ：3 秒或以上没有发出声音时，自动设置曲目标记。按 SET 也可插入曲目标记。

5 按本机上的 REC 。

例如： 录制 FM 广播时的显示



- 录制其他设备的声音时，请等到出现 “AUX → MD”，然后开始所连设备的播放。将声音输入本机时，自动开始录制。

  按 MD ▶/II 也可开始录制。

  使用该方法时，即使所连设备的声音暂停 30 秒或以上，本机也不会自动退出录制。

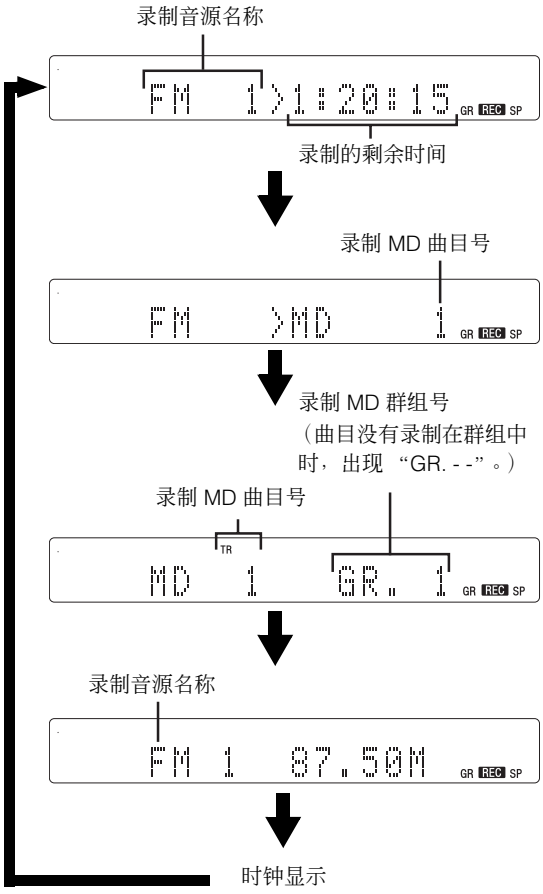
退出录制

按 ■ 。

更改录制时显示器窗口中的显示

按 DISP/CHARA 。

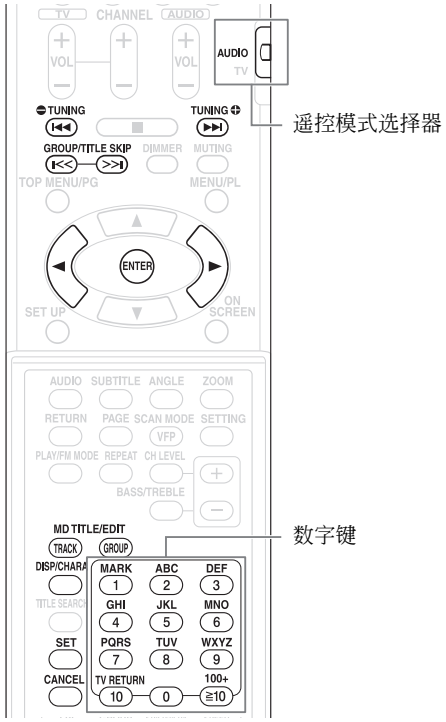
- 每按一次 DISP/CHARA，显示变化如下。



添加（编辑）标题

编辑须知

- 防写片打开时，无法编辑 MD （ 第 72 页）。试图编辑保护的 MD 时，出现 “DISC PROTECTED”。
- 完成编辑时，出现“EDITING”，然后“WRITING” 闪烁，编辑的设置录制到 MD 。
  显示 “WRITING” 时，请勿撞击或摇晃本机。撞击或摇晃本机可能干扰 MD 播放。
- 编程播放、随机播放或群组播放时，无法编辑 MD 。



注 意

- 将遥控模式选择器设为 AUDIO ，然后使用数字键。



添加（编辑）标题

可以将标题添加到 MD （光盘）、曲目和群组。

■想要添加标题的曲目或群组正在播放时

1 **将遥控模式选择器设为 AUDIO 。**



2 **显示标题编辑模式。**

对于编辑 MD （光盘）标题或曲目标题

- 按 MD TITLE/EDIT (TRACK) 显示标题编辑模式。



- 如需编辑光盘标题，请反复按 TUNING (⏮) 显示 “DISC TITLE?” 。停止播放光盘时，按 MD TITLE/EDIT (TRACK) 也可以显示 “DISC TITLE?”。
- 也可以用 TUNING (⏮) 或 TUNING (⏭) 选择曲目号。

对于编辑群组标题

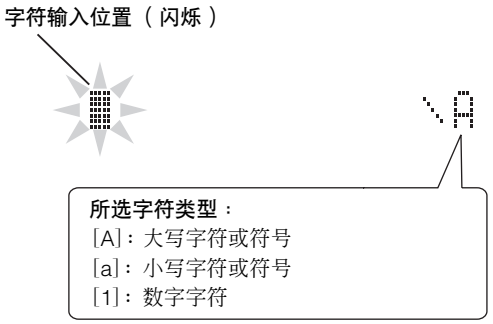
- 按两次 MD TITLE/EDIT (GROUP) 显示群组标题编辑模式。



- 也可以用 GROUP/TITLE SKIP (⏮) 或 GROUP/TITLE SKIP (⏭) 选择群组号。

3 **按 SET 。**

- 显示切换至标题输入模式。
- 如果已经输入标题，该标题显示在字符输入位置。



4 **用数字键输入标题。**

- 有关输入标题，请参阅 “输入标题”（ 第 56 页）。

5 **按 ENTER 。**

- 输入的标题被添加到 MD 、曲目或群组。

如需退出标题编辑

按 CANCEL 。

如需添加下一标题

按 SET 。

跳到步骤 4 。

6 按本机上的 ⏏（右）弹出 MD 。

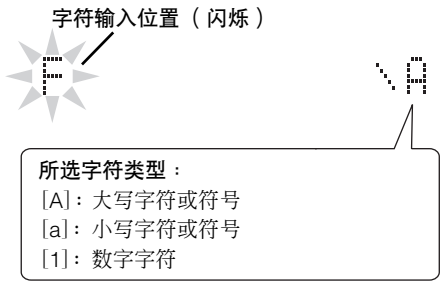
注

- 可以输入 MD 的字符数
  每张 MD 最多可以输入 1792 个字符，每首曲目最多可以输入 61 个字符。但是，由于 MD 写入方法的限制，实际可以输入的字符数少于此处所给的数量。空格算作字符。
  例如： 编辑使用长时间立体声录制到 MD 的 120 首曲目时，每首可以输入 10 个字符。
- 无法编辑包含 62 个或更多字符的标题。 想要编辑包含 62 个或更多字符的标题时，请在原来输入标题的设备上编辑标题。
- 可以在录制时设置标题。
  - 从 CD 录制时（仅录制 CD 的单首曲目时除外），可以在录制结束之前输入最多 16 首曲目标题。
  - 如果在录制结束之前没有按 ENTER ，则不保存输入的标题。
  - 群组录制时，可以输入群组的标题。

输入标题

例如：如需输入 “ F ”

1) 反复按 DISP/CHARA 选择 “A” 作为字符类型。
2) 反复按 DEF 3 显示 “F”。



- 单个键分配了若干个字符。反复按该键，直到显示所需的字符。
- 有关可用的字符，请参阅 “可用的字符”（☞ 右页）。

如需移动字符输入位置

- 按 ◄ 或 ► 。
- 想要输入 “NO”、“TV” 或两个分配到同一个键的字符时，请首先输入第 1 个字符，然后按 ► 将字符输入位置移到右边，接着输入第 2 个字符。

如需删除字符

- 将字符输入位置移到想要删除的字符，然后按 CANCEL 。

如需输入空格

- 从 “符号”（☞ 下表）中选择空格。也可以按 ► 在标题末尾输入空格。

如需退出标题输入

- 按 MD TITLE/EDIT TRACK 或 MD TITLE/EDIT GROUP 。不保存输入的标题。

可用的字符

键	大写字符	小写字符	数字字符
MARK 1	符号 *	符号 *	1
ABC 2	ABC	abc	2
DEF 3	DEF	def	3
GHI 4	GHI	ghi	4
JKL 5	JKL	jkl	5
MNO 6	MNO	mno	6
PQRS 7	PQRS	pqrs	7
TUV 8	TUV	tuv	8
WXYZ 9	WXYZ	wxyz	9
0			0

*** 可用的符号**

□ 空格	!	"	#	$	%	&	'	(	)	*	+	
,	−	.	／	:	;	<	=	>	?	@	_	`

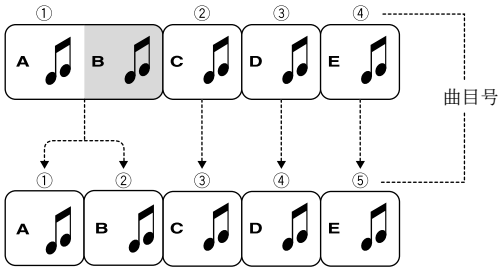
中文

编辑MD

编辑曲目

将单首曲目分割为两首曲目（DIVIDE）

例如：将单首曲调分割为曲调 A 和曲调 B



■想要分割的曲目正在播放时

1 反复按 MD TITLE/EDIT (TRACK) 选择 “ DIVIDE? ”。



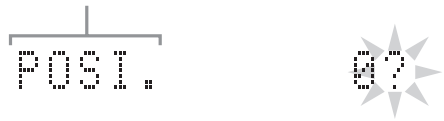
2 按 SET 。

- 用 TUNING ⏮ 、 TUNING ⏭ 或数字键也可以选择曲目号。请参阅 “使用数字键”（ ☞ 第 18 页）。

3 按 SET 指定分割点。

- 本产品反复播放紧接分割点之后的 4 秒钟声音。

“POSI.” 代表 “POSITION”。



- 无需调节分割点时，请跳到步骤 5 。
- 想要调节分割点时，跳到步骤 4 。

4 按 TUNING ⏮ 或 TUNING ⏭ 。

- 可以在 -128 到 +128 位置 （ SP 模式约为 -8 到 +8 ）范围内调节分割点。

5 按 SET 。



6 按 ENTER 。

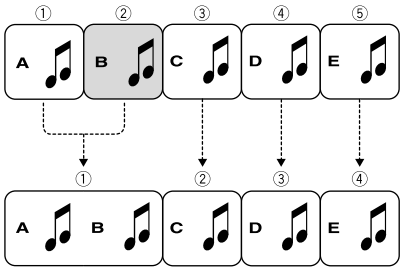
注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (TRACK) 可以退出编辑操作。
- 无法分割包含 254 首或更多曲目的 MD 中的曲目。在步骤 3 按 SET 时，出现 “DISC FULL”。
- 分割带标题的曲目时，该标题被同时添加到被分割的曲目。

合并曲目 (JOIN)

可以将两首相邻的曲目合并为一首。

例如：合并曲调 A 和曲调 B

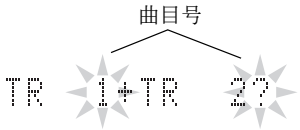


■想要将第 1 首曲目合并到第 2 首曲目，而第 2 首曲目 （如上所示的曲目 2 ）正在播放时

1 **反复按 MD TITLE/EDIT (TRACK) 选择 “ JOIN? ”。**



2 **按 SET 。**



- 也可以用 TUNING ⏮ 、 TUNING ⏭ 或数字键选择曲目号。请参阅 “使用数字键”（ ☞ 第 18 页）。

3 **按 SET 。**

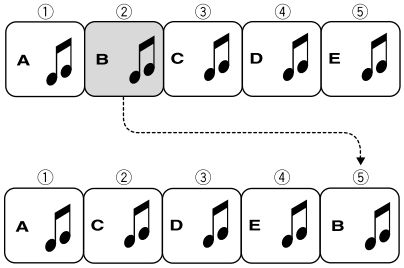
4 **按 ENTER 。**

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (TRACK) 可以退出编辑操作。
- 无法合并具有不同 MDLP 模式（SP/LP2/LP4）的曲目或具有不同录制类型 （数字 / 模拟）的曲目。如果试图合并此类曲目，出现 “CANNOT JOIN”。
- 合并带有标题的两首曲目时，第 1 首曲目的标题将保留为合并后曲目的标题。

移动曲目 (MOVE)

例如：移动曲调 B

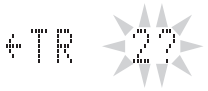


■想要移动的曲目 （如上所示的曲目 2 ）正在播放时

1 **反复按 MD TITLE/EDIT (TRACK) 选择 “ MOVE? ”。**



2 **按 SET 。**



- 也可以用 TUNING ⏮ 、 TUNING ⏭ 或数字键选择曲目号。请参阅 “使用数字键”（ ☞ 第 18 页）。

3 **按 SET 。**

4 **按 TUNING ⏮ 或 TUNING ⏭ 选择想要移动指定曲目的曲目号。**

（选择如上所示的曲目 5 ）



- 也可以用数字键选择曲目号。请参阅 “使用数字键”（ ☞ 第 18 页）。
- 将曲目移动到群组中登记的曲目号时，该曲目被登记在群组中。 将群组中登记的曲目移动到群组中没有登记的曲目号时，该曲目从群组登记中删除。

5 **按 SET 。**

6 **按 ENTER 。**

注

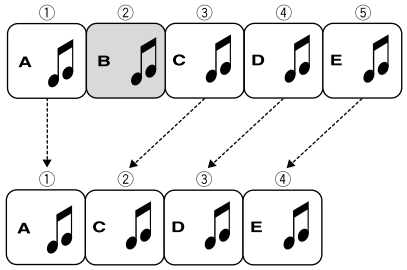
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (TRACK) 可以退出编辑操作。

有关遥控键的位置，请参阅第 55 页。

删除单首曲目（ERASE）

常 用

例如：删除曲调 B



注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

■想要删除的曲目（如上所示的曲目 2）正在播放时

1 反复按 MD TITLE/EDIT (TRACK) 选择“ ERASE? ”。

ERASE?

2 按 SET 。

TR 2 ERASE?

- 也可以用 TUNING (⏮) 、 TUNING (⏭) 或数字键选择曲目号。请参阅“使用数字键”（ 第 18 页）。

3 按 SET 。

- 在所选曲目号之前添加 “ ✓”。
- 选择曲目错误时，请按 CANCEL 删除 “ ✓”。
- 可以用 TUNING (⏮) 、 TUNING (⏭) 或数字键和 SET 选择最多 15 首要删除的曲目。 请参阅 “使用数字键”（ 第 18 页）。

4 按 ENTER 。

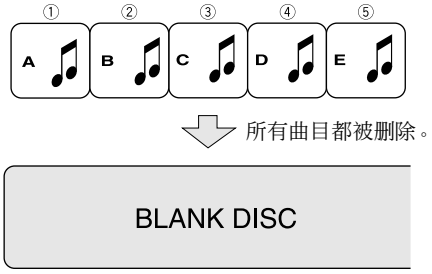
5 确定已经不再需要这些曲目，然后按 ENTER 。

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (TRACK) 可以退出编辑操作。

删除所有曲目（ALL ERASE）

常 用



注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

1 反复按 MD TITLE/EDIT (TRACK) 选择“ ALL ERASE? ”。

ALL ERASE?

2 按 SET 。

3 确定已经不再需要所有曲目，然后按 ENTER 。

注

- 按 MD TITLE/EDIT (TRACK) 可以退出编辑操作。

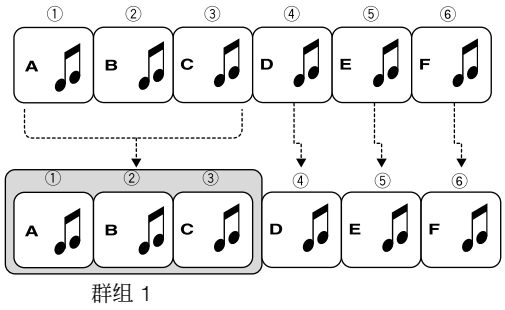
按群组编辑曲目

可以将曲目整理到最多 99 个群组中。

制作群组 (FORM GROUP)

可以将曲目编组。可以编组没有登记到任何群组中的连续曲目。

例如：将曲调 A、曲调 B 和曲调 C 编入群组



■想要指定为群组第 1 首的曲目（如上所示的曲目 1）正在播放时

1 **反复按 MD TITLE/EDIT (GROUP) 选择“FORM GROUP?”。**

2 **按 SET 。**

群组中的第 1 首曲目号



- 也可以用 TUNING (⏮) 、TUNING (⏭) 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 18 页）。

3 **按 SET 。**

4 **按 TUNING (⏮) 或 TUNING (⏭) 选择想要指定为群组最后一首曲目的曲目号。**

（选择如左所示中的曲目号 3）

群组中的最后一首曲目



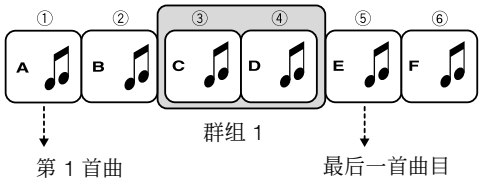
- 也可以用数字键选择曲目号。请参阅“使用数字键”（☞ 第 18 页）。

5 **按 SET 。**

6 **按 ENTER 。**

注

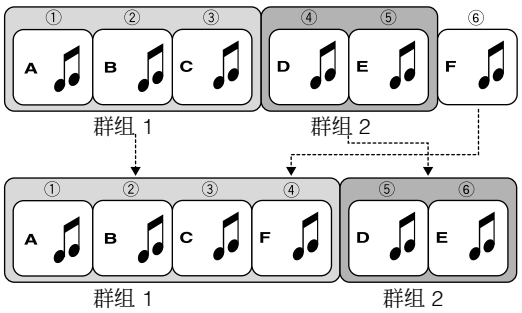
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。
- 如果选择另一群组中的某首曲目，则出现“GROUP TRACK”并无法跳到下一步。
- 如果选择的连续曲目包括已经登记到另一群组中的某首曲目，则出现“CANNOT FORM!”并无法跳到下一步。



将曲目添加到群组 (ENTRY GROUP)

可以将曲目作为群组的最后一首曲目添加到指定的群组。

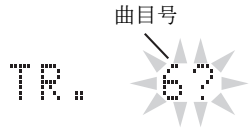
例如：将曲调 F 添加到群组 1



■想要添加到群组的曲目（如上所示的曲目 6）正在播放时

1 **反复按 MD TITLE/EDIT (GROUP) 选择“ENTRY GROUP?”。**

2 **按 SET 。**



- 也可以用 TUNING ⏮ 、 TUNING ⏭ 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 18 页）。

3 **按 SET 。**



4 **按 GROUP/TITLE SKIP ⏮ 或 GROUP/TITLE SKIP ⏭ 选择想要添加曲目的群组。**

（选择如上所示的群组 1）

5 **按 SET 。**

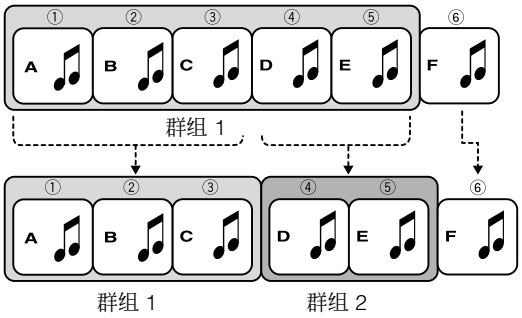
6 **按 ENTER 。**

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。
- 如果选择已经属于群组的某首曲目，则出现“CANNOT ENTRY!”并无法跳到下一步。

将单个群组分割为两个群组 (DIVIDE GR.)

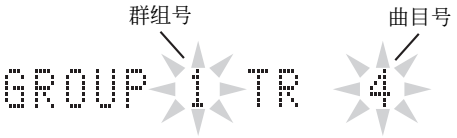
例如：将群组 1 分割为两个群组



■想要指定为第 2 个群组第 1 首的曲目（如上所示的曲目 4）正在播放时

1 **反复按 MD TITLE/EDIT (GROUP) 选择“DIVIDE GR.?”。**

2 **按 SET 。**



- 也可以用 TUNING ⏮ 、 TUNING ⏭ 或数字键选择曲目号。请参阅“使用数字键”（☞ 第 18 页）。
- 也可以用 GROUP/TITLE SKIP ⏮ 或 GROUP/TITLE SKIP ⏭ 选择群组号。

3 **按 SET 。**

4 **按 ENTER 。**

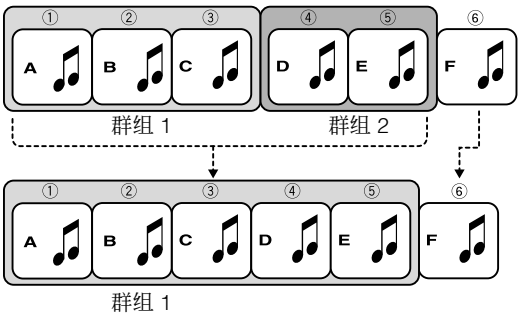
注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。
- 如果选择群组中的第 1 首曲目或不属于该群组的某首曲目，则无法跳到下一步。
- 分割带标题的群组时，相同的标题被同时添加到被分割的群组。

合并群组 (JOIN GROUP)

可以合并两个相邻的群组。

例如：合并群组 1 和群组 2



■想要将第 1 个群组合并到第 2 个群组，而第 2 个群组中的曲目 （如上所示的群组 2 ）正在播放时

1 反复按 MD TITLE/EDIT (GROUP) 选择 “ JOIN GROUP? ”。

2 按 SET 。



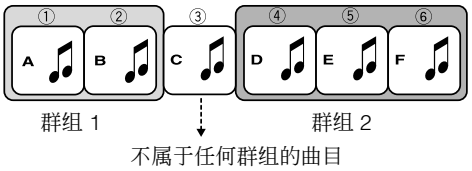
- 出现两个相邻的群组号。
- 也可以用 GROUP/TITLE SKIP (I<<) 或 GROUP/TITLE SKIP (>>I) 选择群组号。

3 按 SET 。

4 按 ENTER 。

注

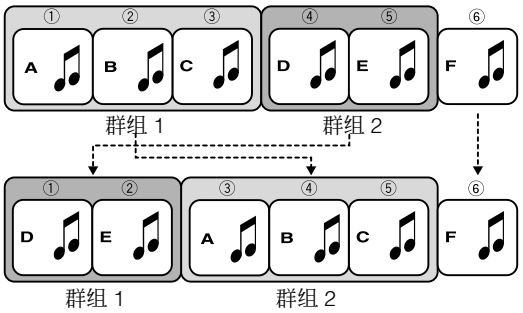
- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。
- 无法合并由不属于任何群组的曲目分割的两个群组。出现 “CANNOT JOIN”，然后显示返回到上一步。



- 合并带有标题的两个群组时，第 1 个群组的标题将保留为合并后群组的标题。

移动群组 (MOVE GROUP)

例如：移动群组 2



■想要移动的群组中的某首曲目 （如上所示的群组 2 ）正在播放时

1 反复按 MD TITLE/EDIT (GROUP) 选择 “ MOVE GROUP? ”。

2 按 SET 。



- 也可以用 GROUP/TITLE SKIP (I<<) 或 GROUP/TITLE SKIP (>>I) 选择群组号。

3 按 SET 。

4 按 GROUP/TITLE SKIP (I<<) 或 GROUP/TITLE SKIP (>>I) 选择指定群组所要移动到的群组号。

（选择如上所示的群组 1 ）



5 按 SET 。

6 按 ENTER 。

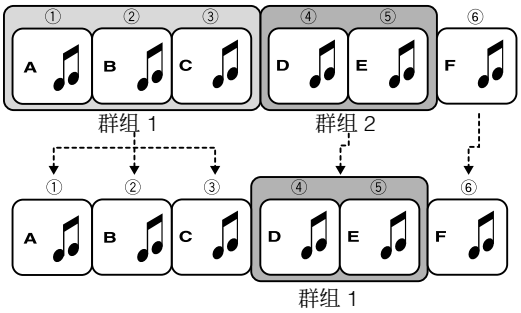
注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。

取消群组 (UNGROUP/UNGROUP ALL)

取消指定的群组（UNGROUP）

例如：取消群组 1



■想要取消的群组中的某首曲目（如上所示的群组 1）正在播放时

1 反复按 MD TITLE/EDIT (GROUP) 选择“ UNGROUP? ”。

2 按 SET。

例如： 想要取消群组 1 时



• 也可以用 GROUP/TITLE SKIP (I<<) 或 GROUP/TITLE SKIP (>>I) 选择群组号。

3 按 SET。

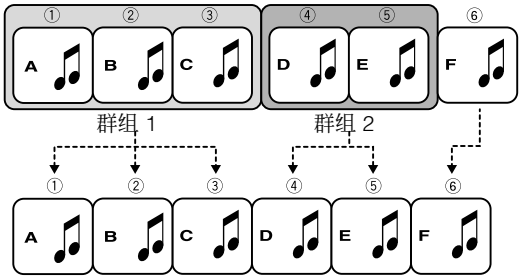
4 按 ENTER。

注

• 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。

取消所有群组 (UNGROUP ALL)

例如：取消所有群组



1 反复按 MD TITLE/EDIT (GROUP) 选择 “ UNGROUP ALL? ”。

2 按 SET。

3 按 ENTER。

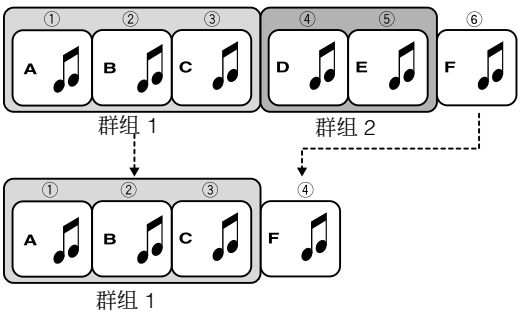
注

• 按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。

删除群组 (ERASE GROUP)

可以删除群组 （包括群组中的所有曲目）。

例如：删除群组 2



注 意

- 删除曲目后，无法恢复该曲目。删除曲目之前，请确定已经不再需要该曲目。

■想要删除的群组中的某首曲目 （如上所示的群组 2 ）正在播放时

1 反复按 MD TITLE/EDIT (GROUP) 选择 “ ERASE GROUP? ”。

2 按 SET 。



- 也可以用 GROUP/TITLE SKIP (I<<) 或 GROUP/TITLE SKIP (>>I) 选择群组号。

3 按 SET 。

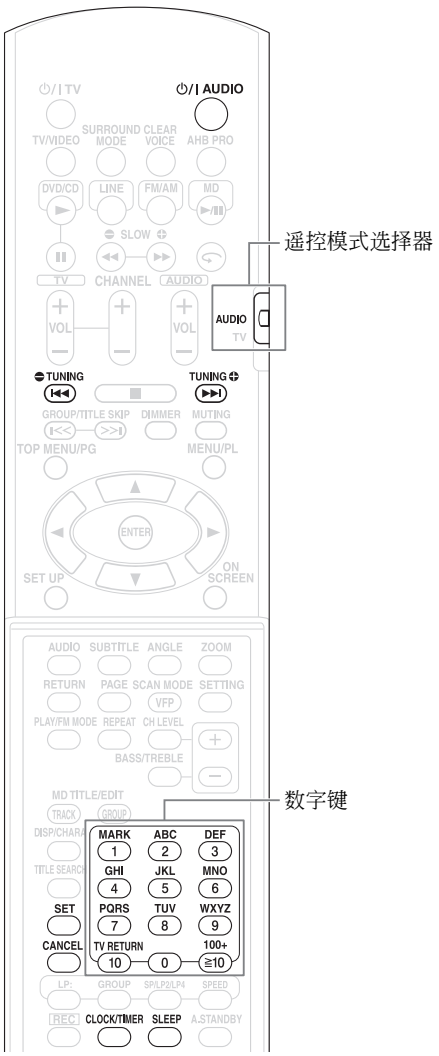
4 确定已经不再需要这些曲目，然后按 ENTER 。

注

- 编辑期间，可以按 CANCEL 返回到上一步。按 MD TITLE/EDIT (GROUP) 可以退出编辑操作。

使用定时器

预先设置时钟 （ ☞ 第 18 页）。



注 意

- 将遥控模式选择器设为 AUDIO ， 然后使用数字键。



睡眠定时器

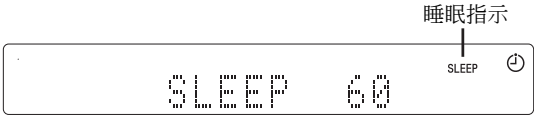
指定的时间过后，本机自动关闭。

按 SLEEP 。

- 每按一次 SLEEP ，时间显示（分钟）变化如下。

→ 10 → 20 → 30 → 60 → 90 →
取消 （睡眠指示消失。） ← 150 ← 120 ←

例如： 睡眠定时器设为 60 分钟时的显示



注

- 设置睡眠定时器后，显示器窗口自动变暗。
- 设置时钟之前 （ “0:00”正在闪烁时），如果按 SLEEP ，出现 “CLOCK ADJUST!”（ ☞ 第 18 页）。

更改睡眠定时器设置

- 反复按 SLEEP 再次选择时间。

确认睡眠定时器设置 （剩余时间）

- 激活睡眠定时器时，按 SLEEP 一次。

睡觉时使用睡眠定时器，起床时使用 DAILY 定时器

1 设定 DAILY 定时器（ ☞ 第 67 页 ）。

2 播放想听到的音源。

3 按 SLEEP 设定睡眠定时器。

- 每当到达指定的时间时，电源自动关闭，到达 DAILY 定时器设定的时间时，电源将再次打开。

录制定时器

可以使用录制定时器功能将 FM/AM 广播或其他设备的声音录制到 MD。
本操作在设定后只进行一次。

注

- 新的设置代替原先的定时器设置后，定时器设置才会更改。

1 准备录制。

广播	预设想要录制的广播电台。（☞ 第 20 页）
其他设备	请参阅设备的操作说明书。
MD 录制	插入 MD。（☞ 第 45 页）

2 按 CLOCK/TIMER 两次转至REC定时器的开始时间设定显示。



3 按 TUNING ⏮、TUNING ⏭ 或 SET 设置开始时间和结束时间。

- 用数字键可以设置录制时间。请参阅 “使用数字键”（☞ 第 18 页）。
- 有关设置时钟，请参阅 “设置时钟”（☞ 第 18 页）。

输入 “小时” → SET → 输入 “分钟” → SET

4 按 TUNING ⏮ 或 TUNING ⏭ 选择 “ TUNER FM/AM ”、“ LINE ”或 “ LINE DIGITAL1/2 ”以选定要录制的音源。

■想要录制 FM/AM 广播时

- 按 SET，然后按 TUNING ⏮、TUNING ⏭ 或数字键选择想要录制的广播的电台预设号码。请参阅 “使用数字键”（☞ 第 18 页）。

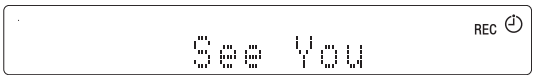
5 按 SET。

6 按 TUNING ⏮ 或 TUNING ⏭ 选择 MDLP 模式（☞第 52 页）。

7 按 SET。

- 显示器窗口中出现设置。

8 本机打开时，按 ⏻/I AUDIO 关闭本机。



- 录制定时器正在工作时，音量被设为 “0”，扬声器或耳机没有发出任何声音。
- 录制定时器仅在本机关闭时可用。

注

- 操作期间，可以按 CANCEL 返回到上一步。按 CLOCK/TIMER 可以退出录制定时器设置。设置不被保存。
- 想要更改曲目标记选项时，请在设置录制定时器之前或之后进行更改。（☞ 第 54 页的步骤 3 和 4）

取消录制定时器

按 CLOCK/TIMER 一次显示 “REC TIMER”，然后按 CANCEL。

和 “REC” 将在显示窗口消失。当 REC 定时器结束时，这些显示也将会消失。

再次激活录制定时器

REC定时器的设定被记录在存储器中。按 CLOCK/TIMER 一次显示 “REC TIMER”，然后按 SET。设定的详细内容将逐个显示，随后将显示 和 “REC”。

注

- 电源插头断开或断电时，录制定时器设置可能丢失。如果设置丢失，请再次设置时钟和录制定时器。

DAILY 定时器（闹钟定时器）

在每天的同一时间进行操作，类似于闹钟。

1 准备想要播放的音源。

光盘	确保已经装载光盘。 （ 第 22 页）
MD	插入 MD 。（ 第 45 页）
广播	预设想要聆听的广播电台。（ 第 20 页）
其他设备	请参阅设备的操作说明书。

2 按 CLOCK/TIMER 四次转至 DAILY 定时器的开始时间设定显示。



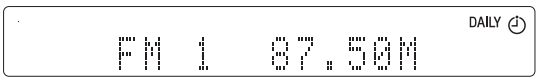
3 按 TUNING、TUNING 或 SET 设置开始时间和结束时间。

- 用数字键可以设置播放时间。请参阅 “使用数字键”（ 第 18 页）。
- 有关设置时钟，请参阅 “设置时钟”（ 第 18 页）。

输入 “小时” → SET → 输入 “分钟” → SET

4 按 TUNING 或 TUNING 选择想要播放的音源。

例如：想要聆听 FM 广播时



- 想要聆听其他设备的声音时，无法使用播放定时器功能在本产品以外的任何设备上进行播放。
- 播放定时器功能无法与光盘或 MD 的编程播放、重复播放、随机播放、或群组播放同时使用。

■想要聆听 FM/AM 广播时

- （选择 “TUNER FM” 或 “TUNER AM” 时）按 SET，然后按 TUNING、TUNING 或数字键选择想要聆听的广播的电台预设号码（ 第 20 页）。请参阅 “使用数字键”（ 第 18 页）。

■想要播放 DVD VIDEO 或 DVD AUDIO 时

- （选择 “DISC” 时）按 SET 两次。无论显示的群组号 (G) 和曲目号 (T) 如何，仅可以从光盘的开始位置播放 DVD VIDEO 或 DVD AUDIO。

■想要播放 CD、VCD、SVCD 或 MD 时

- （选择 “DISC” 时）按 SET 两次，然后按 TUNING、TUNING 或数字键选择想要开始播放的曲目号 (T)。请参阅 “使用数字键”（ 第 18 页）。群组号 (G) 被忽略。

■想要指定 MP3 或 WMA 的起始播放曲目时

- （选择 “DISC” 时）按 SET，然后按 TUNING、TUNING 或数字键选择要播放的群组号 (G)，接着按 SET，然后按 TUNING、TUNING 或数字键选择要播放的曲目号 (T)。请参阅 “使用数字键”（ 第 18 页）。

■选择 “LINE”、“LINE-DIGITAL1” 或 “LINE-DIGITAL2” 时，直接进行步骤 5。

5 按 SET。

6 按 TUNING 或 TUNING 调节播放音量。

7 按 SET。

- 显示器窗口中出现设置。

8 本机打开时，按 ⏻/I AUDIO 关闭本机。



- DAILY 定时器仅在本机关闭时可用。

注

- 操作期间，可以按 CANCEL 返回到上一步。按 CLOCK/TIMER 可以退出播放定时器设置。设置不被保存。
- 播放定时器开始工作时，音量逐步增加到所选的电平。

取消 DAILY 定时器功能

按 CLOCK/TIMER 三次显示 “DAILY TIMER”，然后按 CANCEL。

和 “DAILY” 将在显示窗口消失。

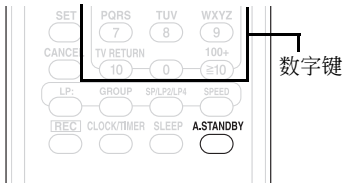
再次激活 DAILY 定时器

DAILY 定时器的设定被记录在存储器中。按 CLOCK/TIMER 三次显示 “REC TIMER”，然后按 SET。设定的详细内容将逐个显示，随后将显示 和 “DAILY”。

注

- 电源插头断开或断电时，播放定时器设置可能丢失。如果设置丢失，请再次设置时钟和播放定时器。
- 对 DVD VIDEO、DVD AUDIO 或 VCD 操作播放定时器时，可能无法自动播放声音和视频。DVD VIDEO、DVD AUDIO 或 VCD 可能包含光盘菜单，该菜单在首次播放时出现。只有在光盘菜单上选择了需要播放的项目时，才会出现声音或视频。

自动待机

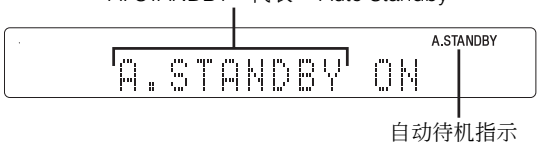


选择 FM/AM 广播以外的音源时，如果 3 分钟内没有发出声音，则本机自动关闭。

■选择 FM/AM 广播以外的音源时

按 A.STANDBY **。**

“A. STANDBY”代表 “Auto Standby”。



自动待机性能

播放或录制光盘或 MD 时：

播放或录制结束时，自动待机开始倒计时（“A. STANDBY”指示闪烁）。3 分钟内没有进行任何操作时，本机自动关闭。

在 3 分钟内开始播放或录制时，播放或录制结束后，自动待机再次开始倒计时。

播放和录制以外的操作结束且 3 分钟内没有进行任何操作时，本机自动关闭。

聆听其他设备的声音时：

没有产生任何声音时，自动待机开始倒计时（“A. STANDBY”指示闪烁）。3 分钟内没有进行任何操作时，本机自动关闭。

关闭本机前 20 秒，“A. STANDBY”开始闪烁。

取消自动待机

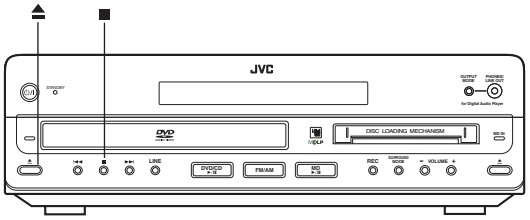
再次按 A.STANDBY **。**



注

- 将音量保持在 “0”并不等同于没有发出声音，因此，不会启动自动待机功能。

光盘 /MD 弹出锁定



可以禁止光盘和 MD 的弹出。

■本机关闭时

按住 ■ **的同时，按本机上的** ⏏ **。**



即使按 ⏏，显示器窗口中也会出现“LOCKED”，光盘或 MD 不会弹出。

此外，本机关闭时，如果按 ⏏，显示器窗口中出现 “LOCKED”且本机不会打开。

取消光盘 /MD 弹出锁定

■本机关闭时

再次进行上述操作。

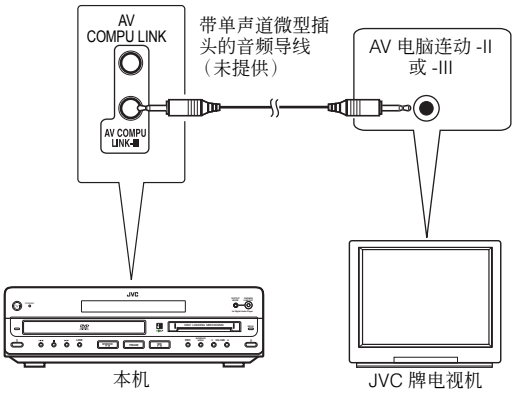


使用 AV 电脑连动

JVC AV 电脑连动系统能让您通过最简单的操作即可欣赏视频或音频。如果您的 JVC 电视机支持 JVC AV 电脑连动系统，则只需启动本机即可自动进行电视机上所有必需的设置，让您享受播放的乐趣。

连接和设置

• 需要仔细阅读所连接设备的说明书。



如下设置本机的 AV 电脑连动功能（ ☞ 第 42 页）。

• 连接到电视机的 VIDEO-1 输入端子时：DVD 2
• 连接到电视机的 VIDEO-2 输入端子时：DVD 3
• 连接到电视机的 VIDEO-3 输入端子时：DVD 1

操作

只需在本机开始播放即可欣赏声音或视频。 无需选择电视机的输入设置，或预先打开电视机。

1 打开电视机的主电源。

2 将光盘插入本机。

3 按本机上的 DVD/CD 。

自动进行以下操作。

• 电视机将会打开。
• 电视机输入将会切换到本机的外部输入（视频 1、2 或 3）。

关闭本机时，电视机的电源不会关闭。

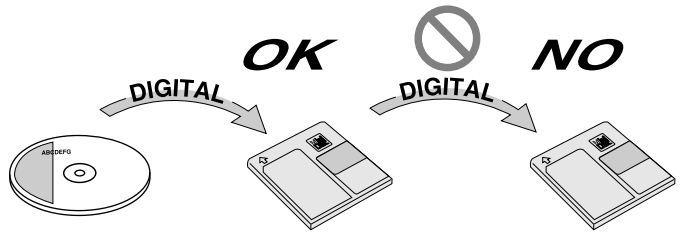
有关 MD 的限制

由于 MD 录制方法存在某些限制，可能发生下列现象。下列现象并非是本产品的故障。

现象	可能的原因
即使 MD 上显示的可录制时间存在剩余，仍然出现 “DISC FULL”。	无论可录制时间是否有剩余，MD 都将限制可录制曲目的数目。无法将 255 首或更多曲目录制到单张 MD 。（单张 MD 最多可以录制 254 首曲目。）
即使曲目数量和可录制时间都没有达到限制，仍然出现 “DISC FULL”。	反复进行片断删除和录制将在 MD 上造成许多空白。 将曲目录制到该 MD 时，曲目被分割，曲目的小片断将被录制到各个空白。 此类分割片断的数量增加时，可能出现 “DISC FULL”。 （在 SP 模式 （标准立体声录制模式）下），分割片断为 8 秒或以下时，无法将该片断合并到另一曲目。 此外，删除该片断时，剩余可录制时间不会增加。 对于分割到许多空白中的曲目，快进或快倒可能产生断断续续的声音丢失。 无法合并具有不同 MDLP 模式（SP/LP2/LP4）的曲目。
无法合并曲目或群组。	
即使删除某些曲目后，剩余可录制时间也不会增加。	
快进或快倒时，声音会断断续续丢失。	
录制时间和剩余时间之和短于 MD 显示的可录制总时间。	仅 MD 上存在连续 12 秒或更多时间空白 （ SP 模式）时，才可进行 MD 录制。 包含许多空白的 MD 的实际录制时间缩短。

连续复制管理系统 (SCMS)

连续复制管理系统保护版权，仅允许从数字可录制源复制原版数字副本。



注 意

- SCMS 不允许将数字录制 MD 的声音作为数字声音录制到其他媒体。
- 无法将数字录制的 CD-R/CD-RW 数字录制到 MD。出现 “SCMS CANNOT COPY” 并将数字声音转换到模拟声音。

高速复制管理系统 (HCMS)

能够以高于正常录制的速度将声音录制到 MD 。因此，为了保护版权，需要进行限制。

本产品使用高速录制功能录制 CD 的曲目时，在第 1 次录制开始的 74 分钟之内，本产品不允许使用高速录制功能将 CD 的同一曲目录制到 MD 。

例如，使用高速录制功能将 CD 的曲目 1 录制到 MD 时，第 1 次高速录制开始后的 74 分钟之内，无法以高速录制功能将曲目 1 再次录制到 MD。此外，在 74 分钟之内，无法使用高速录制功能录制 101 首或更多的曲目。

使用光盘 /MD

使用光盘

- 请勿将胶带或标签粘贴到光盘或在光盘上书写。
- 请勿弯曲光盘。
- 请勿使用心形 / 花形光盘或其他不规则形状的光盘。 使用上述光盘会损坏本机。

清洁光盘



使用软布自中心向外擦拭光盘。

集中于某部分的擦伤导致声音丢失。

- 请勿使用稀释剂、苯、模拟唱片清洁剂或其他化学溶剂。

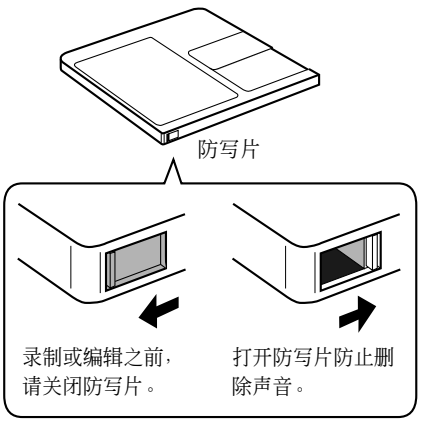
使用 MD

- 请勿打开挡板。强行打开挡板将损坏 MD 。



防止丢失重要的录音

- MD 装有防写保护片，可以防止意外删除录制的声音。



注

- 请勿将标签（如指示 CD/ 曲目标题或其他注释）粘贴在 MD 指定位置以外的任何部位。在标签超出指定区域、剥落、或者粘贴不正确的情况下插入 MD 可能损坏本机。

清洁本机机壳

- 使用柔软的干布轻轻掸掉机壳表面的灰尘。 机壳非常脏时，请用水稀释的中性洗涤剂润湿布，拧干润湿的布，然后使用该布擦拭机壳，最后使用柔软的干布擦拭。
- 请勿使用稀释剂或苯擦拭机壳。使用上述物品擦拭机壳可能导致机壳褪色或油漆剥落。请勿将杀虫剂或其他易挥发的物品喷洒到机壳上。请勿将橡胶或塑料长时间遗留在机壳上。

MD/ 光盘讯息

MD 讯息	含义	可能的解决方法
CANNOT ENTRY!	曲目已经属于所选群组中。	选择适当的曲目。（☞ 第 61 页）
CANNOT FORM!	所选曲目之间存在某个群组。	选择适当的曲目。（☞ 第 60 页）
CANNOT GROUP!	用于保存群组信息的空间不足。 （群组信息和标题信息保存的位置相同。）	无法在 MD 上制作更多的群组。（删除不需要的光盘标题或曲目标题。）
CANNOT JOIN	试图合并具有不同 MDLP 模式（SP/LP2/LP4）的曲目、仅 8 秒或更少时间的曲目 （SP 模式）。	MD 系统限制此类操作。
CANNOT LISTEN	试图在高速录制时调节音量。	在高速录制时，无法聆听 CD 的声音。
CANNOT REC	试图在 PBC 播放期间操作以 VCD 或 SVCD 录制的曲目。	关闭 PBC （☞ 第 24 页）。
CANNOT TITLE	试图将总共 1793 或更多的字符输入 MD。	无法输入更多的标题。
READ ERROR	本机无法读取 MD。	关闭本机。 如果再次出现相同的讯息，可能是 MD 出现故障。请更换 MD 。
DISC FULL	MD 中没有更多的空间，试图录制 255 首或更多的曲目。	请更换 MD 。（☞ 第 71 页）
DISC PROTECTED	MD 写保护。	关闭 MD 上的防写片。（☞ 第 72 页）。
EMERGENCY STOP	录制期间发生的故障。	按 ◎ 退出录制，然后按 ⏏ 弹出 MD，接着重新开始录制。
GROUP FULL	试图制作 100 个或更多的群组。	可以最多制作 99 个群组。
GROUP TRACK	试图使用包含于另一群组中的曲目制作群组。	选择未属于任何群组的曲目。（☞ 第 60 页）
LOAD ERROR	MD 没有正确装载。	请正确插入 MD 。
MD NO DISC	没有装载 MD 。	—
PLAYBACK DISC	试图编辑或录制到仅限于播放的 MD。	请用可录制的 MD 更换该 MD 。
SCMS CANNOT COPY	试图进行 CD-R 或 CD-RW 的数字音频复制。	以常速操作模拟录制。（☞ 第 51 页）
TRACK PROTECTED	试图分割、合并或删除以 Net MD 格式录制的曲目。	请在兼容 Net MD 的设备上编辑曲目。
	曲目在本产品以外的设备上处于写保护状态。	在录制这些曲目的设备上编辑曲目。
HCMS CANNOT COPY	使用高速录制功能开始录制某首曲目的 74 分钟之内，试图使用高速录制功能录制同一曲目。	请等待 74 分钟，或从高速录制更改为常速录制。
BLANK DISC	MD 中没有曲目。	—

光盘讯息	含义	可能的解决方法
CANNOT PLAY	试图播放不可播放的光盘或带有许多擦痕的光盘。	请更换光盘。
NO DISC	没有装载光盘。	—
NO AUDIO	光盘可能为非法复制的光盘。	无法聆听光盘。
LR ONLY	正在播放禁止向下混音的多声道曲目。	这是正常操作。
	环绕被设定为 “OFF”，或者主机上连接了耳机。	设定环绕模式，然后在断开耳机的情况下播放光盘。
MULTI CH	试图在播放不允许向下混音的多声道声音的同时将环绕设为 “OFF”。	这是正常操作。 如果想在将环绕设为 “OFF” 的情况下播放声音，暂停一下，将环绕设为 “OFF” 然后重新开始。

故障排除

问题	可能的原因	可能的解决方法	参考页
没有声音 / 视频。	错误连接。	正确连接所有导线。	14
	连接耳机。	拔下耳机插头。	10
时钟显示闪烁。	电源故障，或电源插头被拔下。	重置时钟。	18
光盘播放没有开始。	光盘上下倒置。	印字面向上将光盘放置到光盘托架上。	22
	镜头结露。	打开本机电源，约等待 1 或 2 小时，然后操作本机。	3
某处无法正确播放。	光盘被擦伤或脏了。	请清洁或更换光盘。	72
	MD 上发生错误。	再次录制到 MD 。	51
无法录制 MD。	MD 写保护。	请取消写保护。	72
无法接收广播。	没有连接天线。	连接天线。	13
产生啸声。	本机放置在电视机、电脑或其他电器附近。	将本机远离电视机、电脑或其他电器放置。	3
无法设置定时器。	没有设置时钟。	请设置时钟。	18
定时器不工作。	本机被打开。	设置定时器后，请关闭本机。	66, 68
无法操作遥控器。	遥控器电池电量较低。	请用新电池予以更换。	11
无法使用遥控器上数字键操作本机。	将遥控器上的遥控模式选择器拨到 TV 侧。	将遥控模式选择器设为 AUDIO 。	18
重低音不发声。	重低音设定 (SUB WFR) 设为“OFF”。	开启重低音设定 (SUB WFR)。	39

• 即使采用上述可能的解决方案后本产品依然无法正确工作

本产品的许多功能都通过微机实现。如果故障是由于雷电或静电所导致，或即使按了某个键本机也无法正确工作，请从 AC 插座拔下电源插头，稍等片刻，接着重新连接本产品。然后重置时钟。

常见问题解答

■关于光盘

问：我能播放从国外购买的 DVD 影片或视频 CD 吗?

答：如果地区代码（当地号码）包括 “ALL”或“3”，并且视频格式为 NTSC 或 PAL，您可以播放 DVD 影片。关于视频 CD，如果视频格式为 NTSC 或 PAL，您也可以播放。
请查看光盘的封面。

问：能播放没有地区代码（当地号码）的 DVD 影片吗?

答：光盘上的地区代码（当地号码）表示这些光盘达到标准要求。达不到标准要求的 DVD 影片无法播放。

■关于声音

问：我能播放上面印有 “Dolby Digital EX”的光盘吗?

答：可以，因为 Dolby Digital EX 与 Dolby Digital 兼容。
不过，如果您希望获得原始效果，则需要通过使用本机的数字输出端子，将本机连接至具备内置环绕解码器或内置解码器的兼容放大器或接收器。要进行这种操作，请在本机的声音设定屏幕上将[Digital OUT]设为 “Stream/PCM”。

问：我能播放上面印有 “DTS ES”的光盘吗?

答：是的，您可以播放。
不过，如果您希望获得原始效果，则需要通过使用本机的 DVD 数字输出端子，将本机连接至具备内置环绕解码器或内置解码器并可以运行 DTS ES 的放大器或接收器。要进行这种操作，请在本机的声音设定屏幕上将 [Digital OUT] 设为 “Stream/PCM”。

问：哪种光盘上印有 “THX”？我能在本机上播放这种光盘吗?

答：是的，您可以播放。
“THX”是由美国的 Lucasfilm Ltd 建立的关于高质量图像录制或播放的区分和标准的名称。它指定达标的光盘和设备，但并不指定录制格式类型。

问：当 MP3/WMA 格式和音频 CD 格式被录制在一张 CD 上时，我能播放这两种格式吗?

答：在这种情况下，由于曲目以数据 CD 格式录制，音频 CD 上的曲目无法播放。您只能播放 MP3/WMA 格式的曲目。

问：Dolby 数字光盘有时包含两种类型的环绕声；5.1 声道环绕和 Dolby 环绕。它们有什么区别?

答：两者都是美国 Dolby Institute 建立的环绕声标准。 Dolby 环绕是通过在常规模拟立体声（左 / 右）顶端的录制环绕声分量 (2ch) 创造而成的，然后用 Dolby 环绕和 Dolby Pro Logic 解码器对这些声音进行分离和播放。
Dolby 数字（5.1 声道－环绕），是一种最多总共达 6 个声道的系统，包括左前置、右前置、中置、左后置、右后置、以及 LFE（低频效果：用于低音信号，如重低音），可以在用 Dolby 数字解码器播放之前进行数字化、压缩和分别录制。
尽管取决于声音录制的方式，一般来说，Dolby 数字产生的声场效果较好。

■关于图像

问：我能在 DVD 影片或视频 CD 的屏幕上看到较小的马赛克似的图案，这是否表示本机出现了问题?

答：这在某种意义上是数字录制的活动图像（块噪声）所特有的，并不代表本机出现了问题。

■其它

问：一些光盘不响应本用户手册中所解释的操作。

答：由于内容创建者的意图或结构性限制等原因，一些光盘可能会不响应本用户手册中所解释的操作。

问：我能把 DVD 影片的内容录制到录像带上吗?

答：由于大多数内容受复制方面的保护，您不能将这些内容录制到录像带上。

问：我能用本机录制吗?

答：不，您不能。

术语表

B.S.P.
DVD 音频的静态图像不仅可以包括播放音频时自动在一起显示的图像，还包括可以由用户随意选择的图像。这些图像被称为 B.S.P.（可浏览的静止图像）。

DTS（数码影院系统）
一种环绕模式，可以提供最多 5.1 声道（与 Dolby Digital 相同）。此格式使用低音压缩率，因此可以产生更加浑厚的声音和更少的噪音。

D- 范围控制
播放以 Dolby Digital 录制的 DVD 影片时，即使降低了电视机高音场景的音量，本功能也可以让您清楚地理解诸如对话等相对较低的声音。

JPEG （联合图像专家小组）
一种静态图像信息压缩格式，广泛应用于互联网和数码相机。

MLP（无损压缩音频）
DVD 音频采用的多声道声音压缩格式的名称。压缩率约为 1/2，具有可逆的数据压缩方法，因此可以完全恢复被压缩的数据。可以播放高质量声音。

MP3（音频动态压缩第三层）
声音信息压缩格式的国际标准，可以将数据压缩为原尺寸的十分之一，而不会对原音质造成较大的损害。

MPEG 音频
一种环绕格式，可以压缩声音数据。能够处理最多 7.1 声道。

NTSC
日本和美国等国家使用的电视 / 视频格式。欧洲国家使用另外的格式 (PAL/SECAM)。由于桢数和扫描线数不同，两种格式互不兼容。

PBC（播放控制）
录制在视频 CD（2.0 版本）上用以控制播放操作的信号。可以用录制的可以使用 PBC 的视频 CD 上的菜单屏幕运行互动软件和具有搜索能力的软件。另外，对于上面录有高清晰度静止图像的视频 CD，可以用四倍于播放运动图像时的分辨率播放这些静止图像。

VFP（视频微处理器）功能
这是我们独创的功能，可以对图像进行微调（调节）。根据您对软件和房间条件的偏好，可以调节诸如 gamma correction 等项目，以选择图像的亮度、对比度以及中间亮度。甚至于可以显示深色调的平滑图像，从而达到目前还难以达到的电影图像品质的水准。

WMA（Windows MediaR Audio 的缩写）
美国微软公司开发的声音压缩格式。

动态范围
指声音电平的最大点和最小点之间的差额。

地区代码（可播放曲目的管理区域）
指光盘上的曲目只能在特定的地区播放的系统。如果光盘上的地区代码和 DVD 播放机上的地区代码不相符，则不能播放该光盘上的曲目。

杜比环绕
一种环绕模式。将前置环绕的 4 声道声音信号录制为 2 声道信号，然后在播放时通过专门的解码器再将其转换回 4 声道信号。由于声音以 2 声道录制，因此即使在连接立体声设备时也可以产生自然的声音。

杜比数字
一种环绕模式。总共能够处理多达 5.1 声道，包括前置 3 声道、环绕 2 声道、以及重低音 0.1 声道。

分量
一种视频信号，指光的三原色 (R/G/B) 的信号以及基于 R/G/B 经过有效转换的其它图像信号（色差信号：Y/CB/CR）。由于每种信号通过各自的信号线传送，可以传送高质量图像。

封包式写入方式
将数据录制到 CD-R/RW 上时所使用的一种方式，可以根据光盘的可用空间进一步划分曲目。本机不能播放用此方式录制到 CD-R/RW 光盘上的声音。

继续播放
指从暂停的点恢复播放。

渐进式扫描方式（连续扫描）
用于 DVD 影片等的扫描方式。可以显示高质量图像，而不产生由使用隔行扫描方式所造成的通常伴随图像出现的闪烁现象。

界面扫描（跳跃式扫描）
传统的视频格式，主要用于电视机。

屏幕保护
在电视屏幕上长时间显示静止图像可能会造成屏幕静止图像。屏幕保护功能可以防止这种情况发生。

线性 PCM 声音
将模拟声音信号转换为数字声音信号的一种方式。转换时根本不需要压缩。

向下混音
指可以将环绕模式（3 个或更多声道）录制的多声道声音曲目与立体声 2 声道混合播放的功能。

规格

■ MD/DVD 接收器（CA-NXDD30）

放大器

输出功率 前置：30 W + 30 W, 4 Ω (10% THD)
环绕：30 W + 30 W , 4 Ω (10% THD)

输入端子
< 模拟 > LINE × 1，500 mV/47 kΩ
< 数字 > 数字光纤输入 × 2
-23 dBm 到 -15 dBm
（光纤方形端子）
（兼容 32 kHz、 44.1 kHz 和 48 kHz 的频率）

输出端子
< 模拟 > 前置扬声器 × 2
阻抗 4 Ω - 16 Ω
中置环绕扬声器 × 2
阻抗 4 Ω - 16 Ω
PHONES/LINE OUT × 1
阻抗 16 Ω - 1 kΩ（使用 PHONES 时）
输出阻抗 22 Ω
（使用 LINE OUT 时）
重低音 × 1
< 数字 > DVD/CD 光纤输出 × 1
-23 dBm 到 -15 dBm
（光纤方形端子）
<其他> AV COMPU LINK × 2 (ϕ 3.5)
VIDEO × 1
S-VIDEO × 1
COMPONENT × 1

调谐器

频率 FM：87.50 MHz-108.00 MHz
AM：531 kHz -1710 kHz
（9 kHz 间隔）
530 kHz -1710 kHz
（10 kHz 间隔）

天线

FM: 75 Ω 非平衡
AM: 环形天线

定时器

定时器格式 1 种程序动作
（在 ONCE REC 与 DAILY 之间切换）
〈睡眠定时器〉 10, 20, 30, 60, 90, 120, 150 分钟 （自动调光器）
〈时钟显示〉 24 小时格式

DVD 播放机

可播放的光盘 DVD VIDEO、 DVD AUDIO、 CD、 VCD、 SVCD、 CD-R/CD-RW （CD/VCD/SVCD/MP3/WMA/JPEG/DivX/ASF 格式）、 DVD-R/DVD-RW （视频格式、 DVD VR 格式、 MP3/WMA/JPEG/DivX/ASF 格式）、 +R/+RW （视频格式）

MD 录制机

音频播放系统 微型光盘数字音频系统
录制系统 磁光覆写系统
读取系统 无接触，半导体激光拾音
录制 / 播放时间 （使用单张 80 分钟 MD 时）
SP: 80 分钟
LP2: 160 分钟
LP4: 320 分钟
取样率 44.1 kHz
音频压缩系统 ATRAC （自适应声学转换编码）/ATRAC3 (MDLP)
声道数量 2 声道，立体声

一般规格

电源 AC 220 V∿， 50 Hz
功耗 30 W （工作时）
1.3 W （处于待机模式、关闭显示时）
尺寸 260 mm （宽） × 80 mm （高） × 345 mm （深）
质量 （约） 3.1 kg

■扬声器

前置 (SP-NXDD30F)

系统	2 路低音反射型，磁屏蔽型
扬声器	低音扬声器 :10 cm × 1 高音扬声器 :4 cm × 1
最大输出功率	30 W
阻抗	4 Ω
频率范围	55 Hz -40 kHz
声压级	84 dB/W•m
尺寸	127 mm （宽） × 273 mm （高） × 218 mm （深）
质量 （约）	2.6 kg （单个）

中置环绕 (SP-NXDD30S)

系统	2 声道单机系统、 1 路封闭式、磁屏蔽型
扬声器	9.5 cm × 1 cm，超薄直驱式扬声器 / 声道
最大输出功率	30 W
阻抗	4 Ω
频率范围	140 Hz -20 kHz
声压级	79 dB/W•m
尺寸	296 mm （宽） × 50 mm （高） × 45 mm （深）（包括扬声器底座）
质量 （约）	0.7 kg （包括扬声器底座和扬声器导线）

- 经 Dolby Laboratories 许可的美国和其他国家的专利。

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