

FM Stereo FM-AM Receiver

Operating Instructions _____ **GB**

使用说明书 _____ **CS**

***STR-SL50
STR-SL40***

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.



Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Except for customers in Europe



ENERGY STAR® is a U.S. registered mark.

As an ENERGY STAR® partner, Sony Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

This receiver incorporates Dolby® Digital and Pro Logic Surround and the DTS® Digital Surround System.

* Manufactured under license from Dolby Laboratories.

“Dolby”, “Pro Logic” and the double-D symbol are trademarks of Dolby Laboratories.

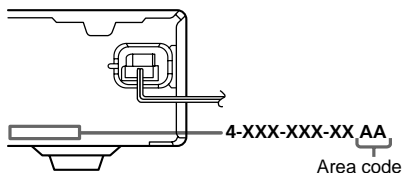
** “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater Systems, Inc.

About This Manual

The instructions in this manual are for models STR-SL50 and STR-SL40. Check your model number by looking at the lower right corner of the front panel. In this manual, the STR-SL40 is used for illustration purposes unless stated otherwise. Any difference in operation is clearly indicated in the text, for example, “STR-SL40 only”.

About area codes

The area code of the receiver you purchased is shown on the lower portion of the rear panel (see the illustration below).



Any differences in operation, according to the area code, are clearly indicated in the text, for example, “Models of area code AA only”.

Tip

The instructions in this manual describe the controls on the remote. You can also use the controls on the receiver if they have the same or similar names as those on the remote. For details on the use of your remote, see pages 30–34.

Note for the supplied remote

RM-U40

The AUX and AAC BI-LING buttons on the remote are not available.

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¹⁾ Models of area code CEL only.

How to use this page

Use this page to find the location of buttons that are mentioned in the text.

Illustration number	
MUTING	12 (13, 17, 35)
Name of button/part	Reference page

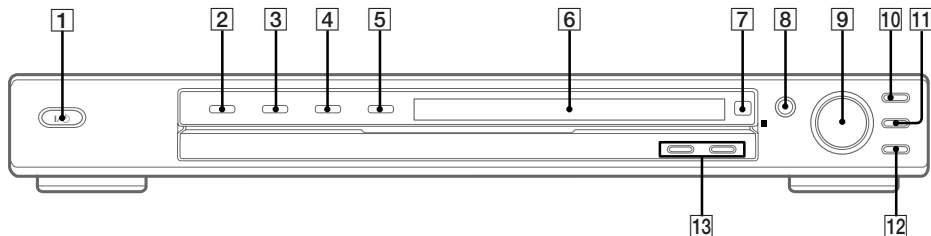
Main unit

ALPHABETICAL ORDER

Display 6 (27)
 DVD (indicator) 3 (17)
 INPUT SELECTOR 8 (17, 24)
 IR (receptor) 7 (30, 36)
 MASTER VOLUME 9 (17, 35)
 MUTING 12 (13, 17, 35)
 PRESET TUNING +/- 13 (26)
 SOUND FIELD 11 (19, 20, 23, 35)
 TUNER (indicator) 5 (17)
 TV/SAT (indicator) 4 (17)
 VIDEO (indicator) 2 (17)

NUMBERS AND SYMBOLS

I/⏻ (power) 1 (12, 13, 16, 17, 23, 24)
 □□ PLII 10 (18)



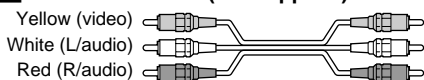
Required cords

The following optional connection cords **A** – **E** are required when you hook up the components (pages 7–8).

A Audio cord (not supplied)



B Audio/video cord (not supplied)



C Video cord (not supplied)



D Optical digital cord (not supplied)



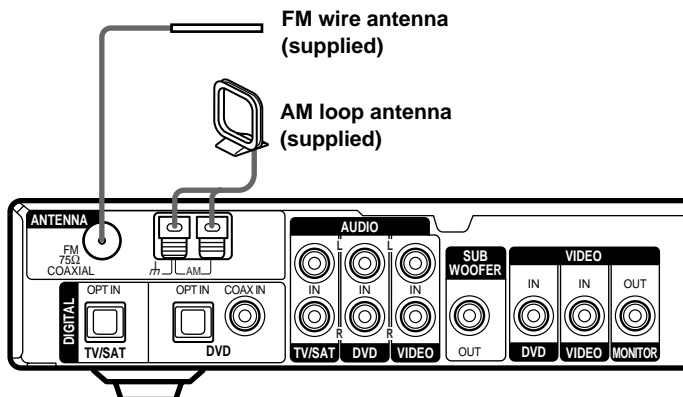
E Coaxial digital cord (not supplied)



Before you get started

- Turn off the power to all components before making any connections.
- Do not connect the AC power cord until all of the connections are completed.
- Be sure to make connections firmly to avoid hum and noise.
- When connecting an audio/video cord, be sure to match the color-coded pins to the appropriate jacks on the components: yellow (video) to yellow; white (left, audio) to white; and red (right, audio) to red.
- When connecting optical digital cords, insert the cord plugs straight in until they click into place.
- Do not bend or tie the optical digital cord.

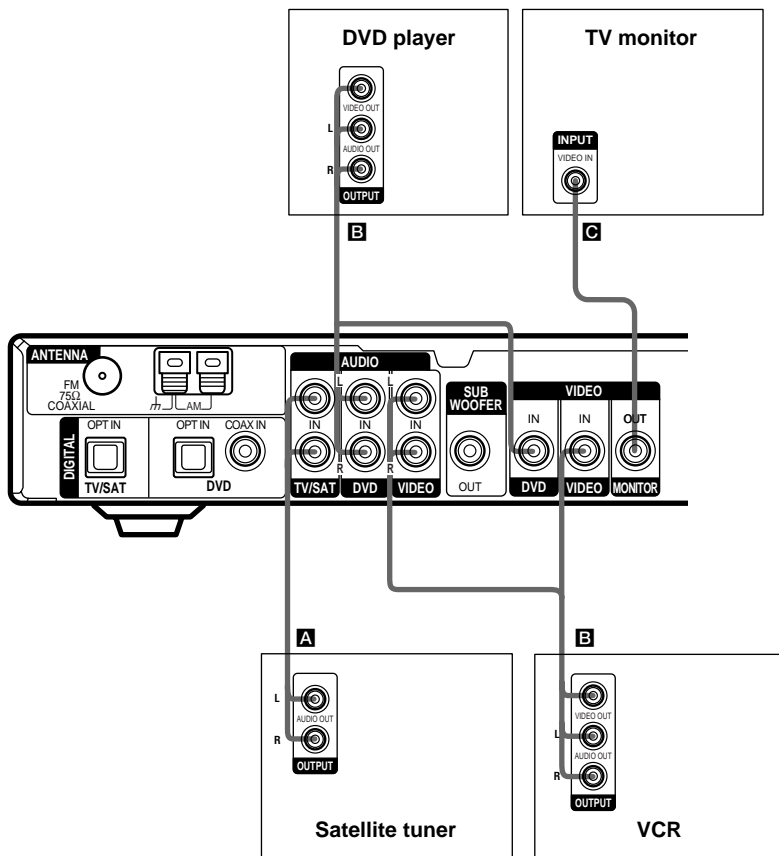
Antenna hookups



Notes on antenna hookups

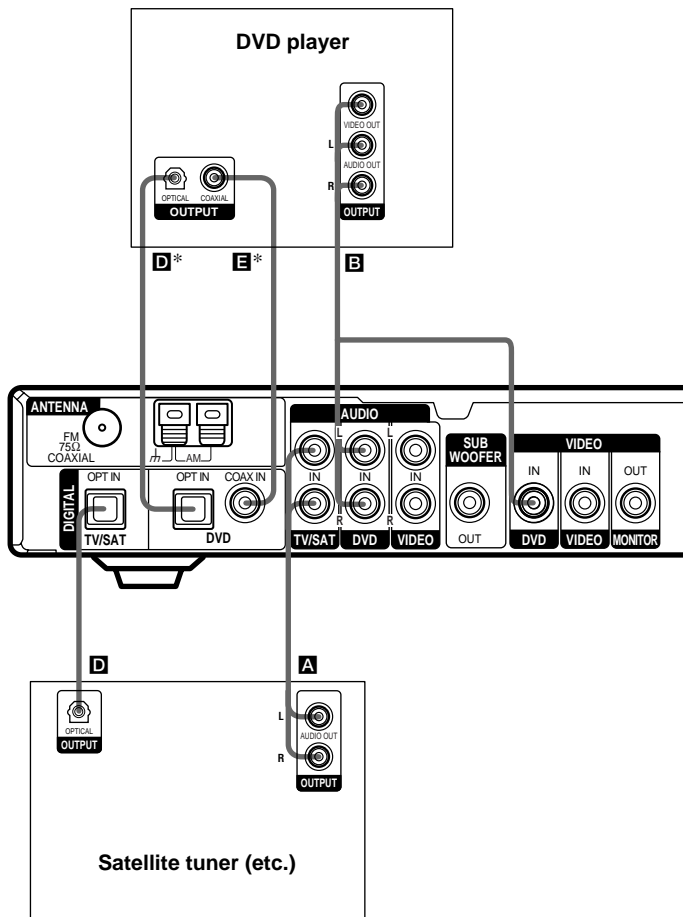
- To prevent noise pickup, keep the AM loop antenna away from the receiver and other components.
- Be sure to fully extend the FM wire antenna.
- After connecting the FM wire antenna, keep it as horizontal as possible.

Video component hookups



Digital component hookups

Connect the digital output jacks of your DVD player and satellite tuner (etc.) to the receiver's digital input jacks to bring the multi channel surround sound of a movie theater into your home. To fully enjoy multi channel surround sound, five speakers (two front speakers, two surround speakers, and a center speaker) and a sub woofer are required.

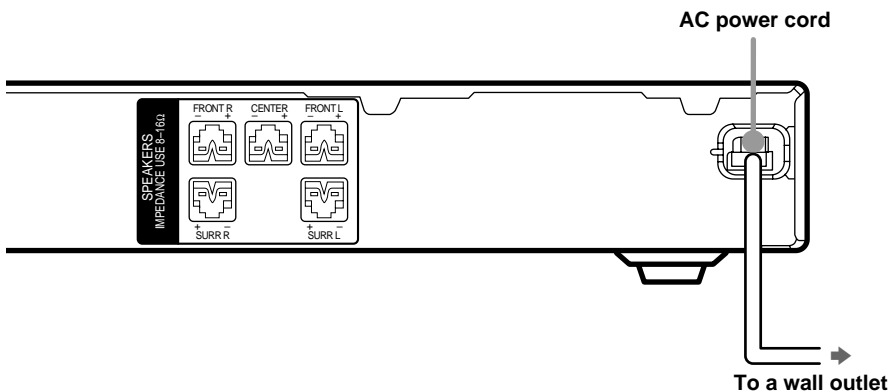


* Connect to either the COAX IN or OPT IN jack. We recommend making connections to the COAX IN jack.

Notes

- The OPT IN and COAX IN jacks are compatible with 96 kHz, 48 kHz, 44.1 kHz and 32 kHz sampling frequencies.
- To playback the multi channel surround sound through this receiver, you may have to change the digital output setting on the connected component. For details, refer to the operating instructions supplied with the component.

Other hookups



Connecting the AC power cord

Before connecting the AC power cord of this receiver to a wall outlet, connect the speaker system to the receiver (see page 10).

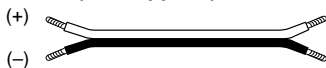
Connect the AC power cord(s) of your audio/video components to a wall outlet.

Speaker system hookups

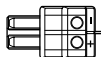
Before connecting speakers, be sure to turn off this unit.

Required cords/plugs/wrench

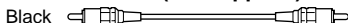
A Speaker cords (not supplied)



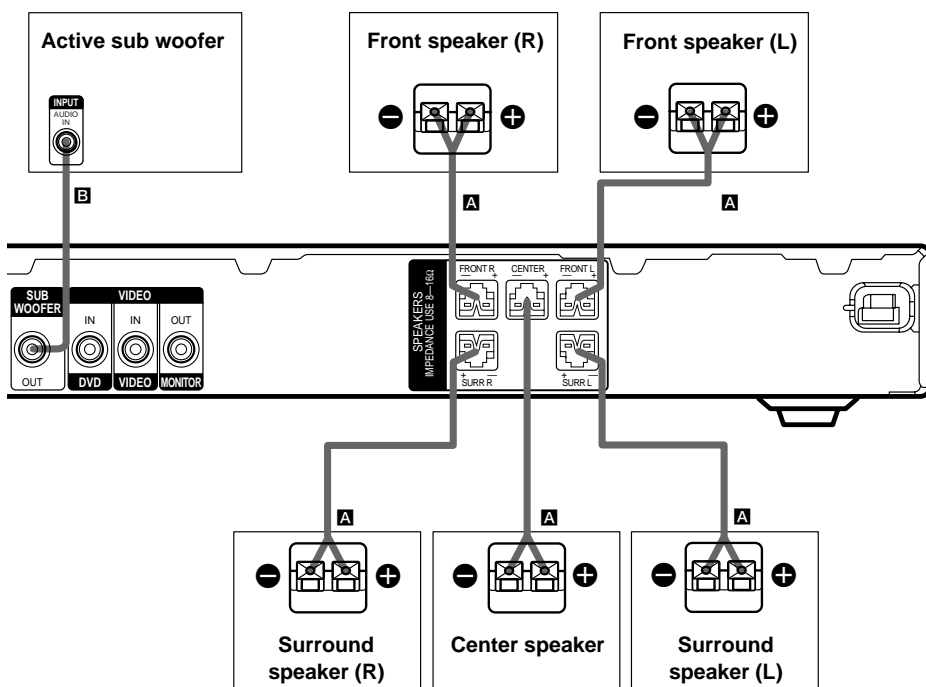
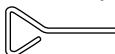
C Speaker plugs (supplied)



B Monaural audio cord (not supplied)



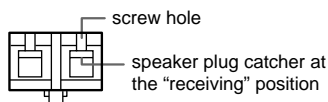
D Hexagon wrench (supplied)



Attaching speaker cords to the speaker plugs

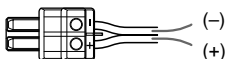
Before connecting the speakers, you have to attach the speaker cords (not supplied) to the speaker plugs (supplied).

1 Make sure that the speaker plug catcher is at the "receiving" position.



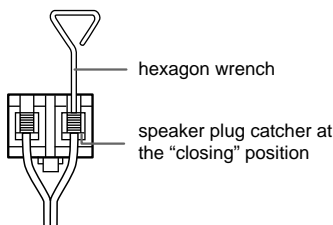
2 Twist the stripped ends of the speaker cords about 10 mm and insert the speaker cords securely to the back of the speaker plug.

Make sure that the speaker cord is inserted according to its polarity: + to + and – to –. Otherwise, the sound will be distorted and will lack bass.



3 Insert the hexagon wrench into one of the screw holes and turn the hexagon wrench until the speaker cord is secured in the speaker plug.

Be sure to do the same for the other screw hole.



Tips

To avoid the speaker cord from coming off from the speaker plug

- do not use a smaller-sized speaker cord. We recommend that you use the AWG24 to AWG14 speaker cord size.
- use the same speaker cord size for all the speaker plugs.
- twist the stripped ends of the speaker cords.
- insert the speaker cord securely to the back of the speaker plug.

Note

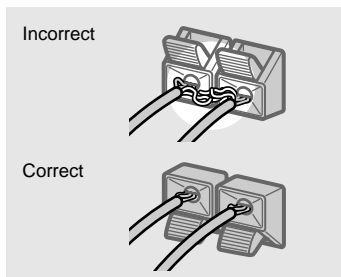
If you use speakers with low maximum input rating, adjust the volume carefully to avoid excessive output on the speakers.

To avoid short-circuiting the speakers

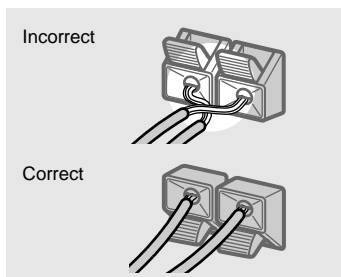
Short-circuiting of the speakers may damage the receiver. To prevent this, make sure to take the following precautions when connecting the speakers.

Make sure the stripped ends of each speaker cord does not touch another speaker terminal, the stripped end of another speaker cord, or the metal parts of the speakers.

Examples of poor conditions of the speaker cord



Stripped speaker cord is touching another speaker terminal.



Stripped cords are touching each other due to excessive removal of insulation.

After connecting all the components, speakers, and AC power cord, output a test tone to check that all the speakers are connected correctly. For details on outputting a test tone, see page 16.

If no sound is heard from a speaker while outputting a test tone or a test tone is output from a speaker other than the one whose name is currently displayed on the receiver, the speaker may be short-circuited. If this happens, check the speaker connection again.

continued

To avoid damaging your speakers

Make sure that you turn down the volume before you turn off the receiver. When you turn on the receiver, the volume remains at the level you turn off the receiver.

Performing initial setup operations

Once you have hooked up the speakers and turned on the power, clear the receiver's memory. Then specify the speaker parameters (size, position, etc.) and perform any other initial setup operations necessary for your system.

Tip

To check the audio output during settings (to set up while outputting the sound), check the connection (see page 17).

Clearing the receiver's memory

Before using your receiver for the first time, or when you want to clear the receiver's memory, do the following.

- 1 Turn off the receiver.
- 2 Hold down **I/⏻** on the receiver for 5 seconds.

"INITIAL" appears in the display.

The following are reset to their factory settings.

- All settings in the SET UP, LEVEL and TONE menus.
- The sound field memorized for each INPUT SELECTOR and preset station.
- All sound field parameters.
- All preset stations.
- The master volume is set to "VOL MIN".

Performing initial setup operations

Before using your receiver for the first time, adjust MAIN MENU parameters so that the receiver correspond to your system. For the adjustable parameters, see the table on page 39. See pages 13–17 for speaker settings and pages 29–30 for other settings.

Multi channel surround setup

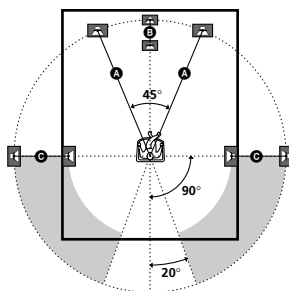
For the best possible surround sound, all speakers should be the same distance from the listening position (A).

However, the receiver lets you to place the center speaker up to 1.5 meters closer (B) and the surround speakers up to 4.5 meters closer (C) to the listening position.

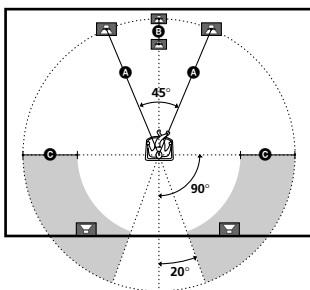
The front speakers can be placed from 1.0 to 7.0 meters from the listening position (A).

You can place the surround speakers either behind you or to the side, depending on the shape of your room (etc.). However, we recommend that you place the surround speakers behind you.

When placing surround speakers to your side (long room)



When placing surround speakers behind you (wide room)



Note

Do not place the center speaker further away from the listening position than the front speakers.

Normal Speaker and Micro Satellite Speaker

If you are using	Select
Normal Speakers	NORM. SP.
Micro Satellite Speakers	MICRO SP.

The speaker size and the sub woofer selection has been preset to “NORM. SP.”. You can adjust the speaker size and sub woofer selection when you select “NORM. SP.” (page 14).

To select “MICRO SP.”, turn off the power. Then, hold down MUTING on the receiver and press I/⏻ on the receiver to turn on the power. (To reset to “NORM. SP.”, do the same procedure.)

When you select “MICRO SP.”, the speaker size and sub woofer selection has been configured as follows:

Speaker	Settings
FRONT	SMALL
CENTER	SMALL
SURROUND	SMALL
SUB WOOFER	YES

You cannot change the configuration if you select “MICRO SP.”.

Tip

The setting for Micro Satellite Speaker (MICRO SP.) has been programmed to optimize the sound balance. If you use Sony’s Micro Satellite Speakers, select “MICRO SP.”.

Caution

When you use Micro Satellite Speakers and the speaker size is set to “LARGE”, you may not obtain the correct soundstage. The speaker may also be damaged at high volume position.

Specifying the speaker parameters

- 1 Press MAIN MENU repeatedly to select “<SET UP>”.
- 2 Press ↑ or ↓ to select the parameter you want to adjust.
- 3 Press ← or → to select the setting you want.
The setting is entered automatically.
- 4 Repeat steps 2 to 3 until you have set all of the parameters that follow.

Initial settings

Parameter	Initial setting
[SW] (SUB WOOFER) S.W. XXX	YES*
[L] [R] (FRONT) XXXXX	LARGE*
[C] (CENTER) XXXXX	LARGE*
[SL] [SR] (SURROUND) XXXXX	LARGE*
[L] [R] DIST. X.X m	3.0 m
[C] DIST. X.X m	3.0 m
[SL] [SR] DIST. X.X m	3.0 m
[SL] [SR] PL. XXXX	LOW

* You can set this parameter only when you select “NORM. SP.”.

continued

Multi channel surround setup (continued)

■ Sub woofer selection (S.W. XXX)

- If you connect a sub woofer, select “YES”.
- If you do not connect a sub woofer, select “NO”. This activates the bass redirection circuitry and outputs the LFE signals from other speakers.
- In order to take full advantage of the Dolby Digital bass redirection circuitry, we recommend that you set the cut off frequency on the sub woofer as high as possible.

■ Front speaker size (XXXXX)

- If you connect large speakers that will effectively reproduce bass frequencies, select “LARGE”. Normally, select “LARGE”.
- If the sound is distorted, or you feel a lack of surround effects when using multi channel surround sound, select “SMALL” to activate the bass redirection circuitry and output the front channel bass frequencies from the sub woofer.
- When the front speakers are set to “SMALL”, the center and surround speakers are also automatically set to “SMALL” (unless previously set to “NO”).
- When the sub woofer is set to “NO”, the front speakers are automatically set to “LARGE” and you cannot change this setting.

■ Center speaker size (XXXXX)

- If you connect a large speaker that will effectively reproduce bass frequencies, select “LARGE”. Normally, select “LARGE”. However, if the front speakers are set to “SMALL”, you cannot set the center speaker to “LARGE”.
- If the sound is distorted, or you feel a lack of surround effects when using multi channel surround sound, select “SMALL” to activate the bass redirection circuitry and output the center channel bass frequencies from the front speakers (if set to “LARGE”) or sub woofer.*1
- If you do not connect a center speaker, select “NO”. The sound of the center channel will be output from the front speakers.*2

■ Surround speaker size (XXXXX)

- If you connect large speakers that will effectively reproduce bass frequencies, select “LARGE”. Normally, select “LARGE”. However, if the front speakers are set to “SMALL”, you cannot set the surround speakers to “LARGE”.
- If the sound is distorted, or you feel a lack of surround effects when using multi channel surround sound, select “SMALL” to activate the bass redirection circuitry and output the surround channel bass frequencies from the sub woofer or other “LARGE” speakers.
- If you do not connect surround speakers, select “NO”.*3

Tip

*1–*3 correspond to the following Dolby Pro Logic modes

*1 NORMAL

*2 PHANTOM

*3 3 STEREO

Tip

Internally, the LARGE and SMALL settings for each speaker determine whether the internal sound processor will cut the bass signal from that channel. When the bass is cut from a channel, the bass redirection circuitry sends the corresponding bass frequencies to the sub woofer or other “LARGE” speakers.

However, since bass sounds have a certain amount of directionality, it is best not to cut them, if possible. Therefore, even when using small speakers, you can set them to “LARGE” if you want to output the bass frequencies from that speaker. On the other hand, if you are using a large speaker, but prefer not to have bass frequencies output from that speaker, set it to “SMALL”.

If the overall sound level is lower than you prefer, set all speakers to “LARGE”. If there is not enough bass, you can use the BASS parameter in the TONE menu to boost the bass levels. To adjust the bass, see page 23.

■ Front speaker distance (DIST. X.X m)

Set the distance from your listening position to the front speakers (**A** on page 12).

■ Center speaker distance

( DIST. X.X m)

Set the distance from your listening position to the center speaker. Center speaker distance should be set from a distance equal to the front speaker distance (**A** on page 12) to a distance 1.5 meters closer to your listening position (**B** on page 12).

■ Surround speaker distance (DIST. X.X m)

Set the distance from your listening position to the surround speakers. Surround speaker distance should be set from a distance equal to the front speaker distance (**A** on page 12) to a distance 4.5 meters closer to your listening position (**C** on page 12).

Tip

The receiver allows you to input the speaker position in terms of distance. However, it is not possible to set the center speaker further than the front speakers. Also, the center speaker cannot be set more than 1.5 meters closer than the front speakers.

Likewise, the surround speakers can not be set further away from the listening position than the front speakers. And they can be no more than 4.5 meters closer.

This is because incorrect speaker placement is not conducive to enjoy surround sound.

Please note that, setting the speaker distance closer than the actual location of the speakers will cause a delay in the output of the sound from that speaker. In other words, the speaker will sound like it is further away.

For example, setting the center speaker distance 1~2 m closer than the actual speaker position will create a fairly realistic sensation of being “inside” the screen. If you cannot obtain a satisfactory surround effect because the surround speakers are too close, setting the surround speaker distance closer (shorter) than the actual distance will create a larger sound stage.

Adjusting these parameter while listening to the sound often results in much better surround sound. Give it a try!

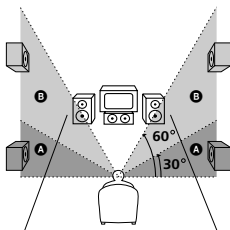
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
Multi channel surround setup (continued)

■ Surround speaker placement (PL. XXXX)*

This parameter lets you specify the height of your surround speakers for proper implementation of the Digital Cinema Sound surround modes. Refer to the illustration below.

- Select “PL. LOW” if the location of your surround speakers corresponds to section **A**.
- Select “PL. HIGH” if the location of your surround speakers corresponds to section **B**.



* These parameters are not available when “Surround speaker size ( )” is set to “NO”.

Tip

The surround speaker placement parameter is designed specifically for implementation of the Digital Cinema Sound modes with virtual elements. With the Digital Cinema Sound modes, speaker placement is not as critical as other modes. All modes with virtual elements were designed under the premise that the surround speaker would be located behind the listening position, but presentation remains fairly consistent even with the surround speakers positioned at a rather wide angle. However, if the speakers are pointing towards the listener from the immediate left and right of the listening position, the sound fields with virtual elements will not be as effective.

Nevertheless, each listening environment has many variables, like wall reflections.

Therefore, we recommend that you playback multi channel surround encoded software and listen to the effect each setting has on your listening environment. Choose the setting that provides a good sense of spaciousness and that best succeeds in forming a cohesive space between the surround sound from the surround speakers and the sound of the front speakers. If you are not sure which sounds best, select “PL. LOW” and then use the speaker distance parameter and speaker level adjustments to obtain proper balance.

Adjusting the speaker level

Use the remote while seated in your listening position to adjust the level of each speaker.

Note

The receiver incorporates a new test tone with a frequency centered at 800 Hz for easier speaker level adjustment.

1 Press  to turn on the receiver.

2 Press TEST TONE.

“T. TONE” appears in the display and you will hear the test tone from each speaker in sequence.

Front (left) → Center → Front (right) →
Surround (right) → Surround (left) →
Sub woofer

3 Adjust the speaker level and balance using the LEVEL menu so that the level of the test tone sounds the same from each speaker.

For details on the LEVEL menu, see page 22.

While adjusting, the test tone is output from the speaker whose adjustment is performed.

4 Press TEST TONE again to turn off the test tone.

Tip

You can adjust the level of all speakers at the same time. Press MASTER VOL +/- or turn MASTER VOLUME on the receiver.

Note

The adjusted value are shown in the display during adjustment.

Checking the connections

After connecting all of your components to the receiver, do the following to verify that the connections were made correctly.

- 1 Press I/⏻ to turn on the receiver.
- 2 Turn on the component that you connected (e.g., DVD player or VCR).
- 3 Press the input selector button (e.g., DVD or VIDEO) to select the component (program source).
- 4 Start playing.

If you do not obtain normal sound output after performing this procedure, see “Troubleshooting” on page 35 and take the appropriate measures to correct the problem.

Tip

You can also use INPUT SELECTOR on the receiver to select the component.

Selecting the component

INPUT SELECTOR

Press INPUT SELECTOR repeatedly to select the component you want to use.

To select	Display/light up
VCR	VIDEO
DVD player	DVD
Satellite tuner	TV/SAT
Built in tuner	TUNER

After turning on the component you selected, select the component and play the program source.

- After selecting VCR or DVD player, turn on the TV and set the TV’s video input to match the component you selected.

MUTING

Press MUTING to mute the sound. “MUTING” appears on the display when the sound is muted. To cancel muting, press it again or turn up the volume.

The muting function is also canceled when you turn the power off or disconnect the power cord.

You can take advantage of surround sound simply by selecting one of the receiver's pre-programmed sound fields. They bring the exciting and powerful sound of movie theaters and concert halls into your home. You can also customize the sound fields to obtain the sound you want by changing the surround parameter. To fully enjoy surround sound, you must register the number and location of your speakers. See "Multi channel surround setup" starting from page 12 to set the speaker parameters before enjoying surround sound.

Decoding the input audio signal automatically (Auto Format Direct)

Press A.F.D.

"A.F.D. AUTO" appears in the display.

This mode automatically detects the type of audio signal being input (Dolby Digital, DTS, or standard 2 channel stereo) and performs the proper decoding if necessary. This mode presents the sound as it was recorded/encoded, without adding any effects (e.g. reverberation).

However, if there are no low frequency signals (Dolby Digital LFE, etc.) it will generate a low frequency signal for output to the sub woofer.

Enjoying stereo sound in multi channel (Dolby Pro Logic II)

This function lets you specify the type of decoding for 2 channel audio sources.

This receiver can reproduce 2 channel sound in 5 channels through Dolby Pro Logic II; or 4 channels through Dolby Pro Logic.

Press $\square\square$ PL/PL II repeatedly to select "DOLBY PL", "PL II MOV" or "PL II MUS".

The selected mode appears in the display.

■ DOLBY PL (Dolby Pro Logic)

Performs the Pro Logic decoding. Software with multi channel surround audio signals is played back according to the way it was recorded. Software with 2 channel audio signals is decoded with Dolby Pro Logic to create surround effects (4 channels).

■ PL II MOV (Pro Logic II Movie)

Performs the Pro Logic II movie mode decoding. This setting is ideal for the movies encoded in Dolby Surround. Besides, this mode can reproduce the sound in 5.1 channel when watching the videos of old movies or in the dubbed language.

■ PL II MUS (Pro Logic II Music)

Performs the Pro Logic II music mode decoding. This setting is ideal for normal stereo sources such as CDs.

Tip

You can also use $\square\square$ PLII on the receiver to select "DOLBY PL", "PLII MOV" or "PLII MUS".

Note

Dolby Pro Logic and Dolby Pro Logic II decoding does not function for DTS format signals.

Selecting a sound field

You can enjoy surround sound simply by selecting one of the pre-programmed sound fields according to the program you want to listen to.

Using only the front speakers (2 Channel Stereo)

Press SOUND FIELD +/- repeatedly to select "2CH ST."

This mode outputs the sound from the front left and right speakers only. Standard 2 channel (stereo) sources completely bypass the sound field processing. Multi channel surround formats are downmixed to 2 channel.

Notes

- No sound is output from the sub woofer when "2CH ST." is selected. To listen to 2 channel (stereo) sources using the front left and right speakers and a sub woofer, press A.F.D. to select "A.F.D. AUTO".
- When you select "Micro Satellite Speaker" (page 13), internal sound processor will automatically redirect bass sound to sub woofer. If you want to listen to two channel (stereo) sources under this setting, we recommend that you choose "A.F.D. AUTO" mode so that you can take advantage of your sub woofer to obtain the correct bass signal.

Selecting other sound fields

Press SOUND FIELD +/- repeatedly to select the sound field you want.

The current sound field is indicated in the display. See pages 19–20 for information on each sound field.

About DCS (Digital Cinema Sound)

DCS

In collaboration with Sony Pictures Entertainment, Sony measured the sound environment of their studios and integrated the data of the measurement and Sony's own DSP (Digital Signal Processor) technology to develop "Digital Cinema Sound". In a home theater, "Digital Cinema Sound" simulates an ideal movie theater sound environment based on the preference of the movie director.

■ C.ST.EX A–C (Cinema Studio EX A–C) DCS

- C.ST.EX A reproduces the sound characteristics of the Sony Pictures Entertainment "Cary Grant Theater" cinema production studio. This is a standard mode, great for watching most any type of movie.
- C.ST.EX B reproduces the sound characteristics of the Sony Pictures Entertainment "Kim Novak Theater" cinema production studio. This mode is ideal for watching science-fiction or action movies with lots of sound effects.
- C.ST.EX C reproduces the sound characteristics of the Sony Pictures Entertainment scoring stage. This mode is ideal for watching musicals or classic films where music is featured in the soundtrack.

continued

Selecting a sound field (continued)

About Cinema Studio EX

Cinema Studio EX consists of the following three elements.

- Virtual Multi Dimension
Creates 5 sets of virtual speakers surrounding the listener from a single pair of actual surround speakers.
- Screen Depth Matching
In a movie theater, sound seems to come from inside the image reflected on the movie screen. This element creates the same sensation in your listening room by shifting the sound of the front speakers “into” the screen.
- Cinema Studio Reverberation
Reproduces the reverberations peculiar to a movie theater.

Cinema Studio EX is the integrated mode which operates these elements simultaneously.

Notes

- The effects provided by the virtual speakers may cause increased noise in the playback signal.
- When listening with sound fields that employ the virtual speakers, you will not be able to hear any sound coming directly from the surround speakers.

■ HALL

Reproduces the acoustics of a rectangular concert hall.

■ JAZZ (Jazz Club)

Reproduces the acoustics of a jazz club.




■ CONCERT (Live Concert)

Reproduces the acoustics of a 300-seat live house.

To turn the surround effect off

Press A.F.D. to select “A.F.D. AUTO” or press SOUND FIELD +/- repeatedly to select “2CH ST.”.

Tips

- The receiver lets you apply the last selected sound field to a program source whenever it is selected (Sound Field Link). For example, if you listen to CD with “JAZZ” as the sound field, change to a different program source, then return to CD, “JAZZ” will be applied again.
- You can identify the encoding format of DVD software, etc. by looking at the logo on the package.
 - : Dolby Digital discs
 - : Dolby Surround encoded programs
 - : DTS Digital Surround encoded programs

Understanding the multi channel surround displays

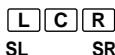


- 1 **DIGITAL**: Lights up when the receiver is decoding signals recorded in the Dolby Digital format.
- 2 **DTS**: Lights up when DTS signals are input.
- 3 **SW**: Lights up when sub woofer selection is set to “YES” (page 14) and the audio signal is output from the SUB WOOFER jacks.
- 4 **Playback channel indicators**: The letters (L, C, R, etc.) indicate the channels being played back. The boxes around the letters vary to show how the receiver downmixes the source sound (based on the speakers settings). When using sound fields like “C.ST.EX”, the receiver adds reverberation based on the source sound.

L (Front Left), R (Front Right), C (Center (monaural)), SL (Surround Left), SR (Surround Right), S (Surround (monaural or the surround components obtained by Pro Logic processing)).

Example:

Recording format (Front/Surround): 3/2
Output channel: Surround speakers absent
Sound Field: A.F.D. AUTO



- 5 **Tuner indicators**: Light up when using the receiver to tune in radio stations, etc. See pages 24–28 for tuner operations.

Note

“RDS” only appears for models of area code CEL only.

- 6 **D.RANGE**: Lights up when dynamic range compression is activated. See page 22 to adjust the dynamic range compression.
- 7 **COAX**: Lights up when the source signal is a digital signal being input through the COAX terminal.
- 8 **OPT**: Lights up when the source signal is a digital signal being input through the OPT terminal.
- 9 **LFE**: Lights up when the disc being played back contains the LFE (Low Frequency Effect) channel and when the sound of the LFE channel signal is actually being reproduced.
- 10 **PRO LOGIC II**: “PRO LOGIC” lights up when the receiver applies Pro Logic processing to 2 channel signals in order to output the center and surround channel signals. “PRO LOGIC II” lights up when Pro Logic II processing (“PLII MOV” or “PLII MUS”) is applied (page 18). However, both indicators do not light up if the center and surround speakers are set to “NO”, and “A.F.D. AUTO”, “DOLBY PL”, “PLII MOV” or “PLII MUS” is selected.

Note

Dolby Pro Logic and Dolby Pro Logic II decoding does not function for DTS format signals.

Customizing sound fields

By adjusting the surround parameters and the tone characteristics of the front speakers, you can customize the sound fields to suit your particular listening situation.

Once you customize a sound field, the changes are stored in the memory indefinitely. You can change a customized sound field any time by making new adjustments to the parameters.

See the tables on page 40 for the parameters available in each sound field.

To get the most from multi channel surround sound

Position your speakers and do the procedures described in “Multi channel surround setup” starting from page 12 before you customize a sound field.





Adjusting the level parameters

The LEVEL menu contains parameters that let you adjust the balance and volumes of each speaker. You can also customize various aspects of the current sound field. The settings are applied to all sound fields except for EFCT. parameter. For EFCT. parameter, the settings are stored individually for each sound field.

- 1** Start playing a program source encoded with multi channel surround sound.
- 2** Press MAIN MENU repeatedly to select “<LEVEL>”.
- 3** Press \uparrow or \downarrow to select the parameter you want to adjust.
- 4** Press \leftarrow or \rightarrow to select the setting you want.

The setting is entered automatically.

Initial settings

Parameter	Initial setting
  BAL. L/R XX	BALANCE
CTR XXX dB	0 dB
SUR.L. XXX dB	0 dB
SUR.R. XXX dB	0 dB
S.W. XXX dB	0 dB
  COMP. XXX	OFF
EFCT. XXX	STD

Front balance (BAL. L/R XX)

Lets you adjust the balance between front left and right speakers.

Center level (CTR XXX dB)

Lets you adjust the level of the center speaker.

Surround left level (SUR.L. XXX dB)

Lets you adjust the level of the surround left speaker.

Surround right level (SUR.R. XXX dB)

Lets you adjust the level of the surround right speaker.

Sub woofer level (S.W. XXX dB)

Lets you adjust the level of the sub woofer.

Dynamic range compressor

(D. RANGE) COMP. XXX)

Lets you compress the dynamic range of the sound track. This may be useful when you want to watch movies at low volumes late at night. We recommend using the “MAX” setting.

- To reproduce the sound track with no compression, select “OFF”.
- To reproduce the sound track with the dynamic range intended by the recording engineer, select “STD”.
- To reproduce a dramatic compression of the dynamic range, select “MAX”.

Note





Dynamic range compression is possible with Dolby Digital sources only.

Effect level (EFCT. XXX)

Lets you adjust the “presence” of the current surround effect.

Adjusting the tone parameters

The TONE menu contains parameters that let you adjust the tone of the front speakers for optimum sound. The settings are applied to all sound fields.

- 1 Start playing a program source encoded with multi channel surround sound.**
- 2 Press MAIN MENU repeatedly to select “<TONE>”.**
- 3 Press  or  to select the parameter you want to adjust.**
- 4 Press  or  to select the setting you want.**

The setting is entered automatically.

Initial settings

Parameter	Initial setting
BASS XX dB	0 dB
TREB. XX dB	0 dB



Bass (BASS XX dB)

Lets you adjust the bass tone.

Treble (TREB. XX dB)

Lets you adjust the treble tone.

Resetting customized sound fields to the factory settings

- 1 If the power is on, press I/ to turn off the power.**
- 2 Hold down SOUND FIELD on the receiver and press I/ on the receiver. “SF. CLR.” appears in the display and all sound fields are reset at once.**

Before receiving broadcasts, make sure you have connected FM and AM antennas to the receiver (see page 6).

Storing FM stations automatically (AUTOBETICAL)

(Models of area code CEL only)

This function lets you store up to 30 FM and FM RDS stations in alphabetical order without redundancy. Additionally, it only stores the stations with the clearest signals.

If you want to store FM or AM stations one by one, see “Presetting radio stations” on page 26.

1 Press I/⏻ to turn off the receiver.

2 Hold down INPUT SELECTOR on the receiver and press I/⏻ on the receiver to turn the receiver back on.

“AUTO-BETICAL SELECT” appears in the display and the receiver scans and stores all the FM and FM RDS stations in the broadcast area.

For RDS stations, the tuner first checks for stations broadcasting the same program, then stores only the one with the clearest signal. The selected RDS stations are sorted alphabetically by their Program Service name, then assigned a 2-character preset code. For more details on RDS, see page 27.

Regular FM stations are assigned 2-character preset codes and stored after the RDS station.

When done, “FINISH” appears in the display momentarily and the receiver returns to the normal operation.

Notes

- Do not press any button on the receiver or supplied remote during autobetrical operation.
- If you move to another area, repeat this procedure to store stations in your new area.
- For details on tuning the stored stations, see page 26.
- If you move the antenna after storing stations with this procedure, the stored settings may no longer be valid. If this happens, repeat this procedure to store the stations again.

Direct tuning

You can enter a frequency of the station you want directly by using the numeric buttons on the supplied remote.

1 Press TUNER repeatedly to select the FM or AM band.

The last received station is tuned in.

2 Press D.TUNING.

3 Press the numeric buttons to enter the frequency.

Example 1: FM 102.50 MHz

① → ② → ⑤ → ⑦

Example 2: AM 1350 kHz

① → ③ → ⑤ → ⑦

If you cannot tune in a station and the entered numbers flash

Make sure you’ve entered the right frequency. If not, repeat steps 2 and 3.

If the entered numbers still flash, the frequency is not used in your area.

4 If you've tuned in an AM station, adjust the direction of the AM loop antenna for optimum reception.

5 Repeat steps 1 to 4 to receive another station.

Tips

- If you do not remember the precise frequency, press TUNING + or TUNING – after entering the value close to the frequency you want. The receiver automatically tunes in the station you want. If the frequency seems to be higher than the entered value, press TUNING +, and if the frequency seems to be lower than the entered value, press TUNING –.
- If “STEREO” flashes in the display and the FM stereo reception is poor, press FM MODE to change to monaural (MONO). You will not be able to enjoy the stereo effect, but the sound will be less distorted. To return to stereo mode, press FM MODE again.

The tuning scale differs depending on the area code as shown in the following table. For details on the area codes, see page 2.

Area code	FM	AM
CEL, CN	50 kHz	9 kHz

Automatic tuning

If you don't know the frequency of the station you want, you can let the receiver scan all available stations in your area.

1 Press **TUNER** repeatedly to select the **FM** or **AM** band.

The last received station is tuned in.

2 Press **TUNING +** or **TUNING –**.

Press TUNING + to scan from low to high; press TUNING – to scan from high to low.

The receiver stops scanning whenever a station is received.

When the receiver reaches either end of the band

Scanning is repeated in the same direction.

3 To continue scanning, press **TUNING +** or **TUNING –** again.

Preset tuning

After you have tuned in stations using Direct Tuning or Automatic Tuning, you can preset them to the receiver. Then you can tune in any of the stations directly by entering its 2-character preset code using the supplied remote. Up to 30 FM or AM stations can be preset. The receiver will also scan all the stations that you have preset.

Before tuning to preset stations, be sure to preset them by performing steps on “Presetting radio stations” (page 26).

continued

Preset tuning (continued)

Presetting radio stations

1 Press TUNER.

The last received station is tuned in.

2 Tune in the station that you want to preset using Direct Tuning (page 24) or Automatic Tuning (page 25).

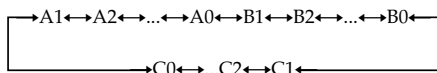
3 Press MEMORY.

“MEMORY” appears in the display for a few seconds.

Do steps 4 to 5 before “MEMORY” goes out.

4 Press PRESET + or PRESET – repeatedly to select a preset station number.

Each time you press the button, the preset station number changes in the corresponding number and direction as follows:



If “MEMORY” goes out before you select the preset station number, start again from step 3.

5 Press MEMORY again to store the station.

If “MEMORY” goes out before you can store the station, start again from step 3.

6 Repeat steps 2 to 5 to preset another station.

To change a preset number to another station

Do steps 1 to 5 to preset a new station to the number.

Tuning to preset stations

You can tune the preset stations by either of the following two ways.

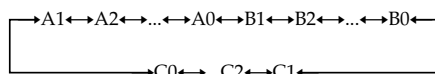
Scanning the preset stations

1 Press TUNER.

The last received station is tuned in.

2 Press PRESET + or PRESET – repeatedly to select the preset station you want.

Each time you press the button, the receiver tunes in one preset station at a time, in the corresponding order and direction as follows:



Using the preset codes

1 Press TUNER.

The last received station is tuned in.

2 Press SHIFT to select a memory page (A, B, or C), then press the preset number of the station you want using the numeric buttons.

Tip

You can also use PRESET TUNING +/- on the receiver to tune to preset stations.

Using the Radio Data System (RDS)

(Models of area code CEL only)

This receiver also allows you to use RDS (Radio Data System), which enables radio stations to send additional information along with the regular program signal.

Note that RDS is operable only for FM stations.*

* Not all FM stations provide RDS service, nor do they provide the same types of services. If you are not familiar with the RDS services in your area, check with your local radio stations for details.

Receiving RDS broadcasts

Simply select a station on the FM band using direct tuning (page 24), automatic tuning (page 25), or preset tuning (page 25).

When you tune in a station that provides RDS services, the RDS indicator lights up and the program station name normally appears in the display.

Note

RDS may not work properly if the station you tuned to is not transmitting the RDS signal properly or if the signal strength is weak.

Displaying RDS information

While receiving an RDS station, press DISPLAY.

Each time you press the button, RDS information on the display changes cyclically as follows:

Program Station name → Frequency → Program Type indication^{a)} → Radio Text indication^{b)} → Current Time indication (in 24-hour system) → Sound field currently applied → Volume

a) Type of program being broadcast (page 28).

b) Text messages sent by the RDS station.

Notes

- If there is an emergency announcement by government authorities, "ALARM" flashes in the display.
- When the message consists of 9 characters or more, the message scrolls across the display.
- If a station does not provide a particular RDS service, "NO XXXX" (such as "NO TEXT") appears in the display.

continued

Using the Radio Data System (RDS) (continued)

Description of program types

Program type indication	Description
NEWS	News programs
AFFAIRS	Topical programs that expand on current news
INFO	Programs offering information on a wide spectrum of subjects, including consumer affairs and medical advice
SPORT	Sports programs
EDUCATE	Educational programs, such as “how-to” and advice programs
DRAMA	Radio plays and serials
CULTURE	Programs about national or regional culture, such as language and social concerns
SCIENCE	Programs about the natural sciences and technology
VARIED	Other types of programs such as celebrity interviews, panel games, and comedy
POP M	Popular music programs
ROCK M	Rock music programs
EASY M	Easy Listening
LIGHT M	Instrumental, vocal, and choral music
CLASSICS	Performances of major orchestras, chamber music, opera, etc.
OTHER M	Music that does not fit into any categories above, such as Rhythm & Blues and Reggae
WEATHER	Weather information
FINANCE	Stock market reports and trading, etc.
CHILDREN	Programs for children
SOCIAL	Programs about people and the things that affect them
RELIGION	Programs of religious content

Program type indication	Description
PHONE IN	Programs where members of the public express their views by phone or in a public forum
TRAVEL	Programs about travel. Not for announcements that are located by TP/TA
LEISURE	Programs on recreational activities such as gardening, fishing, cooking, etc.
JAZZ	Jazz programs
COUNTRY	Country music programs
NATION M	Programs featuring the popular music of the country or region
OLDIES	Programs featuring oldies music
FOLK M	Folk music programs
DOCUMENT	Investigative features
NONE	Any programs not defined above

Using the Sleep Timer

You can set the receiver to turn off automatically at a specified time.

After pressing ALT (page 33), press SLEEP while the power is on.

Each time you press the button, the display changes cyclically as follows:

2-00-00 → 1-30-00 → 1-00-00 → 0-30-00 → OFF

The display dims after you have specified the time.

Tip

To check the remaining time before the receiver turns off, press ALT, then SLEEP. The remaining time appears in the display.

Adjustments using the SET UP menu

The SET UP menu allows you to make the following adjustments.

- 1 Press MAIN MENU repeatedly to select “<SET UP>”.**
- 2 Press ↑ or ↓ to select the parameter you want to adjust.**
- 3 Press ← or → to select the setting you want.**
The setting is entered automatically.
- 4 Repeat steps 2 to 3 until you have set all of the parameters that follow.**

Initial settings

Parameter	Initial setting
DVD-XXXX	AUTO
TV-XXXX	AUTO
DEC. XXXX	PCM (for DVD), AUTO (for TV/SAT)

■ **Audio input mode for DVD function (DVD-XXXX)**

Lets you select the audio input mode for DVD function.

- “AUTO” gives priority to digital signals when there are both digital and analog connections. If there are no digital signals, analog is selected.
- “OPT” specifies the digital audio signals input to the DIGITAL DVD OPT IN jacks.
- “COAX” specifies the digital audio signals input to the DIGITAL DVD COAX IN jacks.
- “ANLG” specifies the analog audio signals input to the DVD IN (L/R) jacks.

■ **Audio input mode for TV/SAT function (TV-XXXX)**

Lets you select the audio input mode for TV/SAT function.

- “AUTO” gives priority to digital signals when there are both digital and analog connections. If there are no digital signals, analog is selected.
- “OPT” specifies the digital audio signals input to the DIGITAL TV/SAT OPT IN jacks.
- “ANLG” specifies the analog audio signals input to the TV/SAT IN (L/R) jacks.

continued

Adjustments using the SET UP menu (continued)

■ Decode priority (DEC. XXXX)

Sets the appropriate decoding for incoming digital signals.


- PCM priority mode (DEC. PCM)
Use to enjoy playback from audio CD (PCM) and DVD. When used with media other than CD or DVD, you may experience noise. If this happens, switch to AUTO mode.
- AUTO mode (DEC. AUTO)
Use to enjoy playback from audio CD (PCM), DVD, DTS-CD and DTS-LD sources. However, with audio CDs, you may not be able to listen the very first moments of each track.

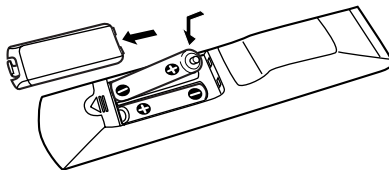
Normally, use as-is with the initial settings above.

You can use the remote RM-U40 to operate the components in your system.

Before you use your remote

Inserting batteries into the remote

Insert R6 (size-AA) batteries with the + and – properly oriented in the battery compartment. When using the remote, point it at the remote sensor  on the receiver.



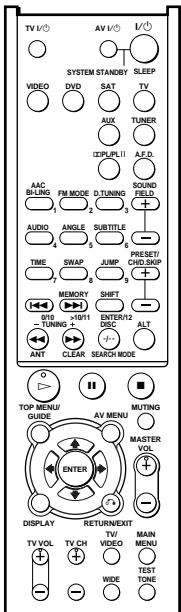
Tip

Under normal conditions, the batteries should last for about 6 months. When the remote no longer operates the receiver, replace all batteries with new ones.

Notes

- Do not leave the remote in an extremely hot or humid place.
- Do not use a new battery with an old one.
- Do not expose the remote sensor to direct sunlight or lighting apparatuses. Doing so may cause a malfunction.
- If you don't use the remote for an extended period of time, remove the batteries to avoid possible damage from battery leakage and corrosion.

Remote button description



The tables below show the settings of each button.

Remote Button	Operations	Function
SLEEP	Receiver	Activates the sleep function and the duration which the receiver turns off automatically.
I/O	Receiver	Turns the receiver on or off.
VIDEO	Receiver	To watch VCR.
DVD	Receiver	To watch DVD.
SAT	Receiver	To watch satellite tuner.

Remote Button	Operations	Function
TV	Receiver	To watch TV programs.
AUX	Receiver	To listen to an audio equipment.
TUNER	Receiver	To listen to radio programs.
DOLBY PLII	Receiver	Selects DOLBY PL, PLII MOV and PLII MUS.
A.F.D.	Receiver	Selects A.F.D. AUTO.
FM MODE	Receiver	Selects FM monaural or stereo reception.
D.TUNING	Receiver	Tuner station direct key-in-mode.
SOUND FIELD +/-	Receiver	Selects sound fields.
MEMORY	Receiver	Stores the radio stations.
SHIFT	Receiver	Press repeatedly to select a memory page for presetting radio stations or tuning to preset stations.
TUNING +/-	Receiver	Scans radio stations.
MUTING	Receiver	Mutes the sound from the receiver.
▲/▼	Receiver	Select a menu item.
◀/▶	Receiver	Makes adjustment or change the setting.
MASTER VOL +/-	Receiver	Adjusts the master volume of the receiver.
MAIN MENU	Receiver	Selects menus.
TEST TONE	Receiver	Press to output test tone.
AV I/O	TV/VCR/CD player/DVD player	Turns the audio and video components on or off.

continued

Remote button description (continued)


Remote Button	Operations	Function
SYSTEM STANDBY (Press AV I/⏻ and I/⏻ at the same time)	Receiver/TV/ VCR/Satellite tuner/ CD player/ DVD player	Turns off the receiver and other Sony audio/ video components.
1-9 and 0/10	Receiver	Use with "SHIFT" button to preset radio station or tuning to preset stations and with "D.TUNING" for direct tuning.
	CD player	Selects track numbers. 0/10 selects track 10.
	TV/VCR/ Satellite tuner	Selects channel numbers.
>10/11	CD player	Selects track numbers over 10.
ENTER/12	TV/VCR/ satellite tuner	After selecting a channel, disc or track using the numeric buttons, press to enter the value.
TIME	CD player/ DVD player	Shows the time or displays the playing time of disc, etc.
PRESET/ CH/	Receiver	Scans and selects preset stations.
D.SKIP +/-	TV/VCR/ satellite tuner	Selects preset channels.
	CD player/ DVD player	Skips discs (multi-disc changer only).
⏮/⏭	VCR/ CD player/ DVD player	Skips tracks.
⏮/⏭	CD player/ DVD player	Searches tracks (forward or backward).
	VCR	Fast forwards or rewinds.

Remote Button	Operations	Function
▶	VCR/ CD player/ DVD player	Starts play.
⏮	VCR/ CD player/ DVD player	Pauses play or record. (Also starts recording with components in record standby.)
■	VCR/ CD player/ DVD player	Stops play.
DISC	CD player	Selects a disc directly (multi-disc changer only).
ANT	VCR	Selects output signal from aerial terminal: TV signal or VCR program.
TOP MENU/ GUIDE	DVD player	Displays DVD title.
	Satellite tuner	Displays guide menu.
AV MENU	VCR/Satellite tuner/ DVD player	Displays menu.
DISPLAY	TV/VCR/ DVD player	Selects information displayed on the TV screen.
RETURN ↶/EXIT	DVD player	Returns to the previous menu or exits the menu.
	Satellite tuner	Exits the menu.
⏮/⏭/⏮/⏭	VCR/Satellite tuner/ DVD player	Selects a menu item. Press to enter the selection.
ENTER	VCR/Satellite tuner/ DVD player	Press to enter the selection.
AUDIO	TV/VCR/ DVD player	Changes the sound to Multiplex, Bilingual or Multi channel TV Sound.

Remote Button	Operations	Function
ANGLE	DVD player	To select viewing angle or changes the angles.
SUBTITLE	DVD player	Changes the subtitles.
CLEAR	DVD player	Press if you made a mistake when you press the number button or press to return to the continuous play etc.
SEARCH MODE	DVD player	Select searching mode. Press to select the unit for search (track, index, etc.)
TV I/⏻	TV	Turns the TV on or off.
SWAP*	TV	Swaps the small and large picture.
JUMP	TV	Toggles between the previous and the current channels.
-/--	TV	Selects the channel entry mode, either one or two digit.
TV VOL +/-	TV	Adjust the volume of the TV.
TV CH +/-	TV	Select preset TV channels.
TV/VIDEO	TV	Selects input signal: TV input or video input.
WIDE	TV	Selects the wide picture mode.
ALT	Remote	Change remote key function to activate those buttons with orange printing.

* Only for Sony TVs with the picture-in-picture function.

Notes

- The above explanation is intended to serve as an example only.
Therefore, depending on the component the above operation may not be possible or may operate differently than described.
- To activate the buttons with orange printing, press ALT first before pressing the buttons.
- Before you use the  button for receiver operation, press MAIN MENU. To operate other components, press TOP MENU/GUIDE or AV MENU after pressing the function button.
- The AUX and AAC BI-LING functions are not available for set operation.

Changing the factory setting of an input selector button

If the factory settings of the input selector buttons do not match your system components, you can change them. For example, if you have an CD player and you do not have a DVD player, you can assign the DVD button to your CD player.

- 1 Hold down the input selector button whose input source you want to change (for example, DVD).**

continued

Changing the factory setting of an input selector button (continued)

2 Press the corresponding button of the component you want to assign to the input selector button (for example, 1 – CD player).

The following buttons are assigned to select the input source:

To operate	Press
CD player	1
VCR (command mode VTR 2*)	2
VCR (command mode VTR 3*)	3
DVD player	4
TV	5
DSS (Digital Satellite Receiver)	6
Tuner (this receiver)	7
DCS (Digital CS Tuner)	8
BSD (Digital BS Tuner)	9
Tuner (Component tuner)	0/10

* Sony VCRs are operated with a VTR 2 or 3 setting. These correspond to 8mm and VHS respectively.

Now you can use the DVD button to control the CD player.

To reset a button to its factory setting

Repeat the above procedure.

To reset all the input selector buttons to their factory setting

Press I/⏮, AV I/⏮ and MASTER VOL – at the same time.

Precautions

On safety

Should any solid object or liquid fall into the cabinet, unplug the receiver and have it checked by qualified personnel before operating it any further.

On power sources

- Before operating the unit, check that the operating voltage is identical with your local power supply. The operating voltage is indicated on the nameplate at the rear of the receiver.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the receiver itself has been turned off.
- If you are not going to use the receiver for a long time, be sure to disconnect the receiver from the wall outlet. To disconnect the AC power cord, grasp the plug itself; never pull the cord.
- AC power cord must be changed only at the qualified service shop.

On heat buildup

Although the unit heats up during operation, this is not a malfunction. If you continuously use this unit at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

On placement

- Place the receiver in a location with adequate ventilation to prevent heat buildup and prolong the life of the receiver.
- Do not place the receiver near heat sources, or in a place subject to direct sunlight, excessive dust or mechanical shock.
- Do not place anything on top of the cabinet that might block the ventilation holes and cause malfunctions.
- Use caution when placing the unit on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

On operation

Before connecting other components, be sure to turn off and unplug the receiver.

On cleaning

Clean the cabinet, panel and controls with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzene.

If you have any question or problem concerning your receiver, please consult your nearest Sony dealer.

Troubleshooting

If you experience any of the following difficulties while using the receiver, use this troubleshooting guide to help you remedy the problem. Also, see “Checking the connections” on page 17 to verify that the connections are correct.

There is no sound or only a very low-level sound no matter which component is selected.

- Check that the speakers and components are connected securely and correctly.
- Check that both the receiver and all components are turned on.
- Check that the MASTER VOLUME control is not set at “VOL MIN”.
- Press MUTING to cancel the muting function.
- The protective device on the receiver has been activated because of a short circuit (“PROTECT” flashes). Turn off the receiver, eliminate the short-circuit problem and turn on the power again.

There is no sound from a specific component or from one of the front speakers.

- Check that the component is connected correctly to the audio input jacks for that component.
 - Check that the cord(s) used for the connection is (are) fully inserted into the jacks on both the receiver and the component.
-

The left and right sounds are unbalanced or reversed.

- Check that the speakers and components are connected correctly and securely.
 - Adjust balance parameters in the LEVEL menu.
-

There is severe hum or noise.

- Check that the speakers and components are connected securely.
 - Check that the connecting cords are away from a transformer or motor, and at least 3 meters away from a TV set or fluorescent light.
 - Move your TV away from the audio component.
 - The plugs and jacks are dirty. Wipe them with a cloth slightly moistened with alcohol.
-

There is no sound or only a very low level sound is heard from the center or/and surround speaker.

- Make sure the sound field function is on (press SOUND FIELD +/-).
 - Select a sound field containing the word “C.ST.EX” (pages 19).
 - Adjust the speaker level (page 16).
 - Make sure the center or/and surround speaker size parameter is set to either “SMALL” or “LARGE” (page 14).
-

There is no sound from the active sub woofer.

- Check that the sub woofer is connected correctly and securely.
 - Make sure the sub woofer selection parameter is set to “YES” (page 14).
 - There is no sound output from the SUB WOOFER terminal depending on the sound field (page 40).
-

The surround effect cannot be obtained.

- Make sure the sound field function is on (press SOUND FIELD +/-).
-

Dolby Digital or DTS multi channel sound is not reproduced.

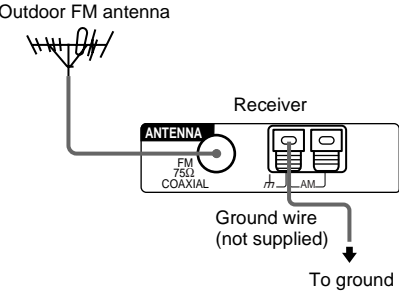
- Check that the playing DVD, etc. is recorded in Dolby Digital or DTS format.
 - When connecting the DVD player, etc. to the digital input jacks of this receiver, check the audio setting (settings for the audio output) of the connected component.
-

continued

Troubleshooting (continued)

The FM reception is poor.

Use a 75-ohm coaxial cable (not supplied) to connect the receiver to an outdoor FM antenna as shown below. If you connect the receiver to an outdoor antenna, ground it against lightning. To prevent a gas explosion, do not connect the ground wire to a gas pipe.



Radio stations cannot be tuned in.

- Check that the antennas are connected securely. Adjust the antennas and connect an external antenna if necessary.
- The signal strength of the stations is too weak (when tuning in with automatic tuning). Use Direct tuning.
- No stations have been preset or the preset stations have been cleared (when tuning by scanning preset stations). Preset the stations (see page 26).

RDS does not work.*

- Make sure that you're tuned to an FM RDS station.
- Select a stronger FM station.


The RDS information that you want does not appear.*

Contact the radio station and find out whether they actually provide the service in question. If so, the service may be temporarily out of order.

There is no picture or an unclear picture appears on the TV screen or monitor.

- Select the appropriate input selector on the receiver.
- Set your TV to the appropriate input mode.
- Move your TV away from the audio components.

The remote does not function.

- The AUX and AAC BI-LING buttons on the remote are not available.
- Point the remote at the remote sensor  on the receiver.
- Remove any obstacles in the path between the remote and the receiver.
- Replace both batteries in the remote with new ones, if they are weak.
- Make sure you select the correct input selector on the remote.
- If the remote is set to operate the TV only, use the remote to select a source or component other than TV before operating the receiver or other component.

If you are unable to remedy the problem using the troubleshooting guide

Clearing the receiver's memory may remedy the problem (page 12). However, note that all memorized settings will be reset to their factory settings and you will have to readjust all settings on the receiver.

If the problem persists

Consult your nearest Sony dealer.

* Models of area code CEL only.

Clearing the receiver's memory

To clear	See
All memorized settings	page 12
Customized sound fields	page 23

Specifications

Amplifier section

POWER OUTPUT

Models of area code CEL

Rated Power Output at Stereo mode

(8 ohms 1 kHz, THD 0.7 %)

25 W + 25 W²⁾

Reference Power Output²⁾

(8 ohms 1 kHz, THD 10 %)

FRONT¹⁾: 35 W/ch

CENTER¹⁾: 35 W

SURR¹⁾: 35 W/ch

Models of area code CN

Rated Power Output at Stereo mode

(8 ohms 1 kHz, THD 0.7 %)

25 W + 25 W²⁾

20 W + 20 W³⁾

Reference Power Output²⁾

(8 ohms 1 kHz, THD 10 %)

FRONT¹⁾: 35 W/ch

CENTER¹⁾: 35 W

SURR¹⁾: 35 W/ch

1) Depending on the sound field settings and the source, there may be no sound output.

2) Measured under the following conditions:

Area code	Power Requirements
CEL, CN	230 V AC, 50 Hz

3) Measured under the following conditions:

Area code	Power Requirements
CN	220 V AC, 50 Hz

Frequency response

TV/SAT, DVD, VIDEO: 10 Hz – 50 kHz
+0.5/–3 dB (with sound field and tone bypassed)

Inputs (Analog)

TV/SAT, DVD, VIDEO: Sensitivity: 250 mV
Impedance: 50 kilohms
S/N⁴⁾: 96 dB
(A, 250 mV⁵⁾)

4) INPUT SHORT (with sound field and tone bypassed).

5) Weighted network, input level.

Inputs (Digital)

DVD (Coaxial)

Sensitivity: –
Impedance: 75 ohms
S/N: 100 dB
(A, 20 kHz LPF)

DVD, TV/SAT (Optical)

Sensitivity: –
Impedance: –
S/N: 100 dB
(A, 20 kHz LPF)

Outputs

SUB WOOFER

Voltage: 2 V
Impedance: 1 kilohms

Tone

Gain levels: ±6 dB, 1 dB step

Video section

Inputs

Video: 1 V_{p-p}, 75 ohms

Outputs

Video: 1 V_{p-p}, 75 ohms

FM tuner section

Tuning range

87.5 – 108.0 MHz

Antenna terminals

75 ohms, unbalanced

Intermediate frequency

10.7 MHz

Sensitivity

Mono: 18.3 dBf,
2.2 μV/75 ohms
Stereo: 38.3 dBf,
22.5 μV/75 ohms

Usable sensitivity

11.2 dBf, 1 μV/75 ohms

S/N

Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz

Mono: 0.3%
Stereo: 0.5%

Separation

45 dB at 1 kHz

Frequency response

30 Hz – 15 kHz
+0.5/–2 dB

Selectivity

60 dB at 400 kHz

continued

Specifications (continued)

AM tuner section

Tuning range

Models of area code CEL, CN

With 9-kHz tuning scale: 531 – 1602 kHz

Antenna Loop antenna

Intermediate frequency 450 kHz

Usable sensitivity 50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5% (50 mV/m, 400 Hz)

Selectivity At 9 kHz: 35 dB

General

Power requirements

Area code	Power requirements
CEL	230 V AC, 50/60 Hz
CN	220 – 230 V AC, 50/60 Hz

Power consumption

Area code	Power consumption
CEL, CN	130 W

Power consumption (during standby mode)
0.3 W

Dimensions (w/h/d)

STR-SL50: 430 × 56 × 290 mm
STR-SL40: 430 × 56 × 288 mm
including projecting parts
and controls

Mass (Approx.) 4.5 kg

Supplied accessories

FM wire antenna (1)
AM loop antenna (1)
Remote commander RM-U40 (1)
R6 (size-AA) batteries (2)
Speaker plugs (5)
Hexagon wrench (1)

For details on the area code of the component you are using, see page 2.

Design and specifications are subject to change without notice.

Tables of settings using MAIN MENU button

You can make various settings using the MAIN MENU button and /// button. The tables below show each of the settings that these buttons can make.

Press MAIN MENU repeatedly to select	Press or to select	Press or to select	Page
<LEVEL>	BAL. L/R XX	L +8 to R +8 (1 steps)	22
	CTR XXX dB	-10 dB to +10 dB (1 dB steps)	
	SUR.L. XXX dB	-10 dB to +10 dB (1 dB steps)	
	SUR.R. XXX dB	-10 dB to +10 dB (1 dB steps)	
	S.W. XXX dB	-10 dB to +10 dB (1 dB steps)	
	COMP. XXX	OFF, STD, MAX	
<TONE>	EFCT. XXX	depends on the sound field (MIN, STD, MAX)	23
<SET UP>	BASS XX dB	-6 dB to +6 dB (1 dB steps)	13
	TREB. XX dB	-6 dB to +6 dB (1 dB steps)	
	(SUB WOOFER) S.W. XXX*	YES, NO	
	(FRONT) XXXXX*	LARGE, SMALL	
	(CENTER) XXXXX*	LARGE, SMALL, NO	
	(SURROUND) XXXXX*	LARGE, SMALL, NO	
	DIST. X.X m	between 1.0 meter to 7.0 meters (0.1 meter steps)	
	DIST. X.X m	between DIST. and 1.5 meters (0.1 meter steps)	
	DIST. X.X m	between DIST. and 4.5 meters (0.1 meter steps)	
	PL. XXXX	LOW, HIGH	
	DVD-XXXX	AUTO, OPT, COAX, ANLG	
<SET UP>	TV-XXXX	AUTO, OPT, ANLG	29
	DEC. XXXX	AUTO, PCM	

* Only when you select "NORM. SP."

Adjustable parameters for each sound field

The adjusted BASS and TREB. parameters are applied to all sound fields.

	TONE	
	< BASS	> TREB.
2CH ST.	●	●
A.F.D. AUTO	●	●
DOLBY PL	●	●
PLII MOV	●	●
PLII MUS	●	●
C.ST.EX A	●	●
C.ST.EX B	●	●
C.ST.EX C	●	●
HALL	●	●
JAZZ	●	●
CONCERT	●	●
PCM 96K ¹⁾		

The adjusted LEVEL parameters are applied to all the sound fields except for EFCT. parameter. For EFCT. parameter, the settings are stored individually for each sound field.

	LEVEL							>
	FRONT BAL	CENTER LEVEL	SUR.L. LEVEL	SUR.R. LEVEL	S.W. LEVEL	D.RANGE COMP ²⁾	EFCT. LEVEL	
2CH ST.	●					●		
A.F.D. AUTO	●	●	●	●	●	●		
DOLBY PL	●	●	●	●	●	●		
PLII MOV	●	●	●	●	●	●		
PLII MUS	●	●	●	●	●	●		
C.ST.EX A	●	●	●	●	●	●	●	
C.ST.EX B	●	●	●	●	●	●	●	
C.ST.EX C	●	●	●	●	●	●	●	
HALL	●	●	●	●	● ³⁾	●	●	
JAZZ	●	●	●	●	● ³⁾	●	●	
CONCERT	●	●	●	●	● ³⁾	●	●	
PCM 96K ¹⁾	●							

¹⁾ “PCM 96K” appears as a sound field only for digital input signals. In this case, other sound fields are unavailable.

²⁾ These parameters may not operate depending on the source or adjustments. For details, see each item in “Adjusting the level parameters” (page 22).

³⁾ When these sound fields are selected, there is no sound output from the sub woofer if the front speaker size is set to “LARGE”. However, sound will be output from the sub woofer if the digital input signal contains LFE signals.

警告

为防火灾或触电危险，请勿让本装置淋雨或受潮。

为防火灾，请勿用报纸，桌布，窗帘等遮盖装置的通风孔。也不可在装置上点放蜡烛。

为防火灾或触电危险，不可在装置上放置花瓶等盛满液体的物体。



不可将电池与普通家庭垃圾一起丢弃，必须将它当作化学品垃圾正确地处理。

请勿安装本机于诸如书橱或壁橱等狭隘不通风的地方。

欧洲的顾客除外



ENERGY STAR® 是一美国的注册商标。作为 ENERGY STAR® 的合作伙伴之一，Sony Corporation 已确定此产品符合 ENERGY STAR® 能量效率的标准。

上海索广电子有限公司
上海市 闵行区 剑川路930号

本接收机含有杜比®数字 (Dolby® Digital)，专业逻辑环绕声 (Pro Logic Surround) 和 DTS®数字环绕声系统 (DTS® Digital Surround System)。

* 由杜比研究所 (Dolby Laboratories) 授权制造。

“Dolby”，“Pro Logic”和双 D 标志是杜比研究所的注册商标。

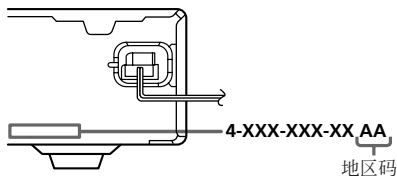
** “DTS”和 “DTS Digital Surround”是数字电影院系统股份有限公司 (Digital Theater Systems, Inc.) 的注册商标。

关于本说明书

本说明书供 STR-SL50 和 STR-SL40 型号所用。请查看前面板右下角的型号编码。本说明书以 STR-SL40 作为图示说明，除非另有说明。任何操作上的异同都在说明书中清楚地指明，例如，“STR-SL40 型号为限”。

关于地区码

您所购买的接收机的地区码标示在后面板下部 (参看下图)。



依据地区码，任何操作上的不同都已在文中说明。例如，“地区码 AA 的型号为限”。

要领

本说明书说明遥控器的控制器。您也可用附带接收机上的控制按钮，如果它与遥控器上的控制按钮具有相同或类似名称。有关遥控器的使用详情，请参照第 30—34 页。

附带遥控器需知

RM-U40

遥控器上的 AUX 和 AAC BI-LING 按钮不起作用。

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用 RM-U40 遥控器操作

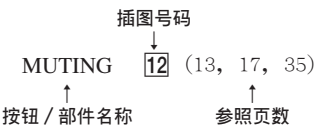
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¹⁾ 地区码 CEL 的型号为限。

如何使用此页
利用此页查找在文中所提及的按钮的位置。



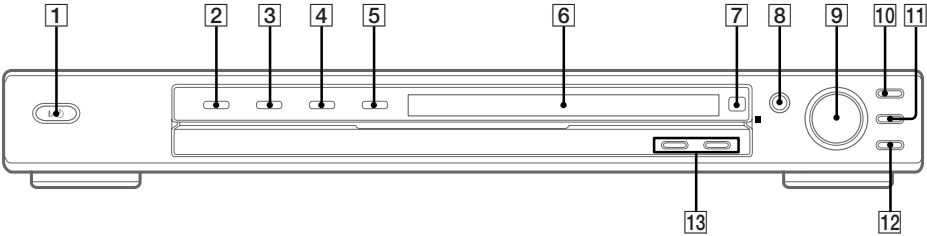
主机

按字母顺序排列

- DVD (指示灯) 3 (17)
- INPUT SELECTOR 8 (17, 24)
- IR (接收器) 7 (30, 36)
- MASTER VOLUME 9 (17, 35)
- MUTING 12 (13, 17, 35)
- PRESET TUNING +/- 13 (26)
- SOUND FIELD 11 (19, 20, 23, 35)
- TUNER (指示灯) 5 (17)
- TV/SAT (指示灯) 4 (17)
- VIDEO (指示灯) 2 (17)
- 显示器 6 (27)

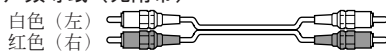
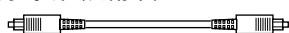
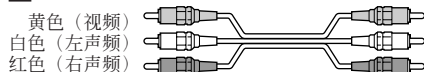
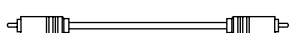
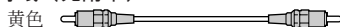
图上号数和符号

- I/⏻ (电源) 1 (12, 13, 16, 17, 23, 24)
- DOLBY II 10 (18)



所需导线

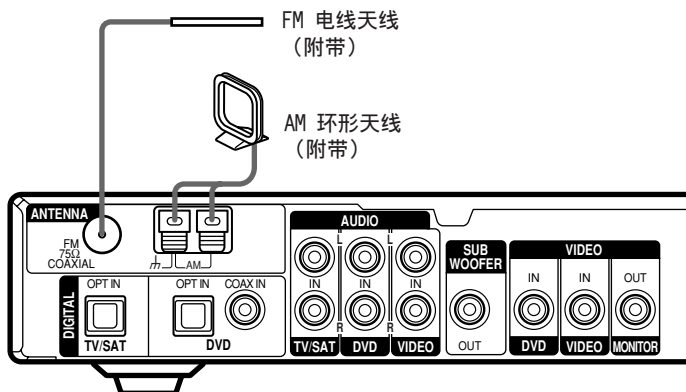
当您连接组成机时，需要下列供选择的连接电缆 **A** – **E**（第 7-8 页）。

A 音频导线（无附带）**D** 光频数字导线（无附带）**B** 声 / 视频导线（无附带）**E** 同轴数字导线（无附带）**C** 视频导线（无附带）

要连接以前

- 要进行任何连接以前，必须先关掉所有单片机的电源。
- 未完成所有的连接工作以前，请勿连接 AC 电源导线。
- 接线必须稳固以免引起哼声和噪音。
- 连接声 / 视频导线时，导线的色码管脚务必对准单片机上相应的插孔：黄色（视频）对黄色；白色（左音频）对白色；和红色（右音频）对红色。
- 当您连接光频数字导线时，请插入导线插头直至妥善就位。
- 不可弯折或打结光频数字导线。

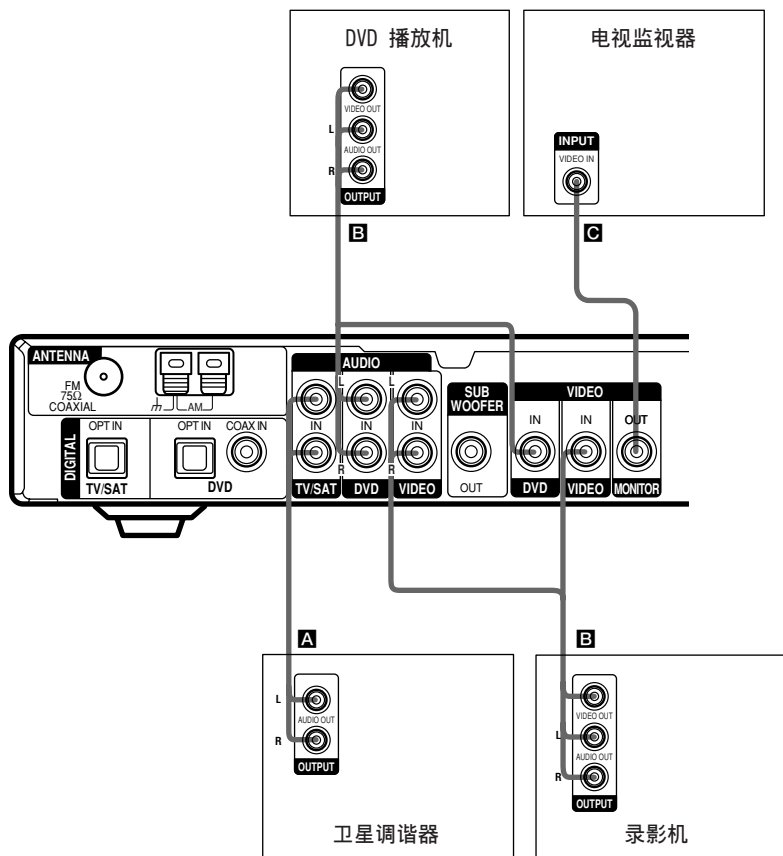
天线连接



天线连接需知

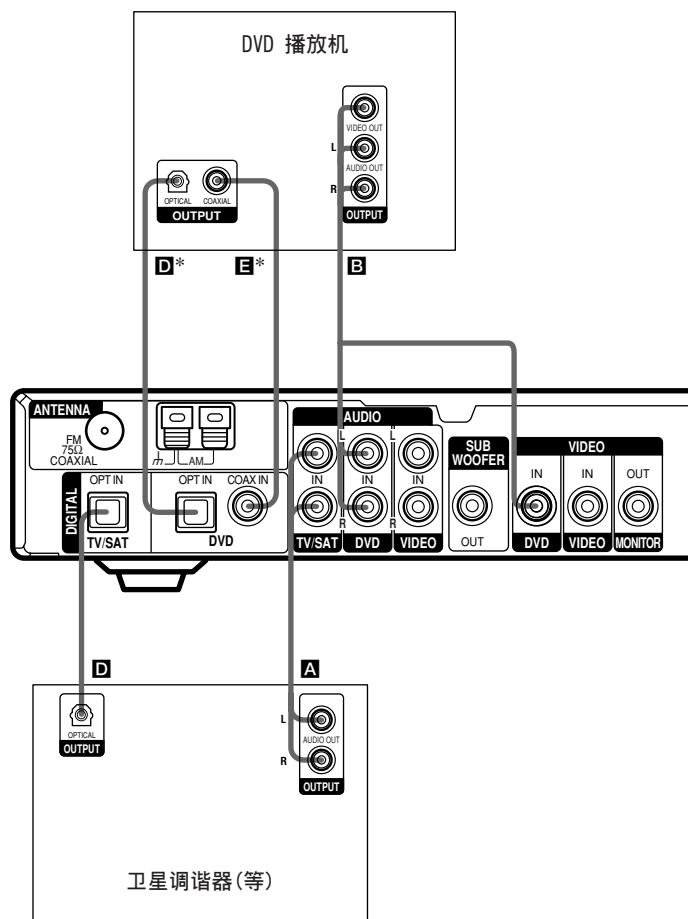
- 为防噪音干扰，请将 AM 环形天线远离接收机和其他单片机。
- FM 电线天线一定要完全伸开。
- 连接了 FM 电线天线之后，尽可能让它保持水平状态。

视频单片机的连接



数字单片机的连接

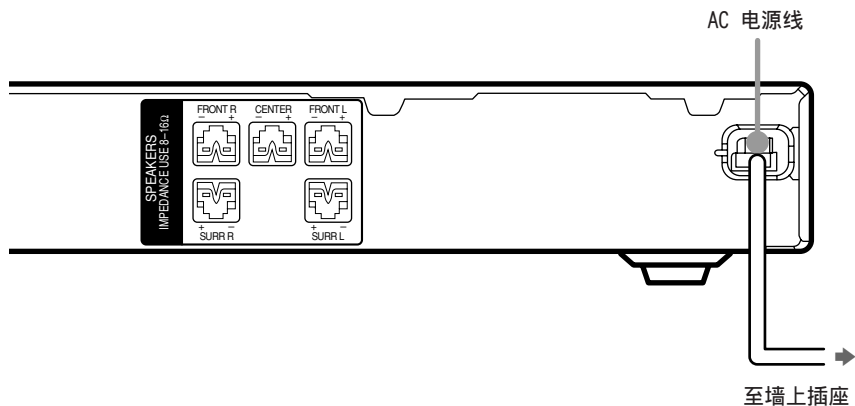
将 DVD 播放机和卫星调谐器(等)的数字输出插孔连接到接收机的数字输入插孔,即可将电影院的多重声道环绕声音响带进您家里。为了充分享受多重声道环绕声效果,您必须连接 5 台扬声器(2 台前扬声器,2 台环绕声扬声器和 1 台中央扬声器)和 1 台重低音扬声器。



* 连接至 COAX IN 或 OPT IN 插孔。我们建议您进行 COAX IN 插孔的连接。

注

- 所有的 OPT IN 和 COAX IN 插孔皆与 96 kHz, 48 kHz, 44.1 kHz 和 32 kHz 取样频率兼容。
- 要通过此接收机以播放多重声道音响,您必需更换在连接单片机的数字输出设置。有关详情,请参考附带于单片机的使用说明书。



连接 AC 电源线

要将本接收机的 AC 电源线接插到墙上插座之前，请先把扬声器系统连接到接收机（第 10 页）。

将声 / 视频单片机的 AC 电源线接插到墙上插座。

连接扬声器系统

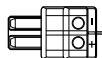
在连接扬声器之前，请确保须把此机关掉。

需用导线 / 插头 / 扳手

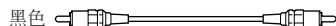
A 扬声器导线（无附带）



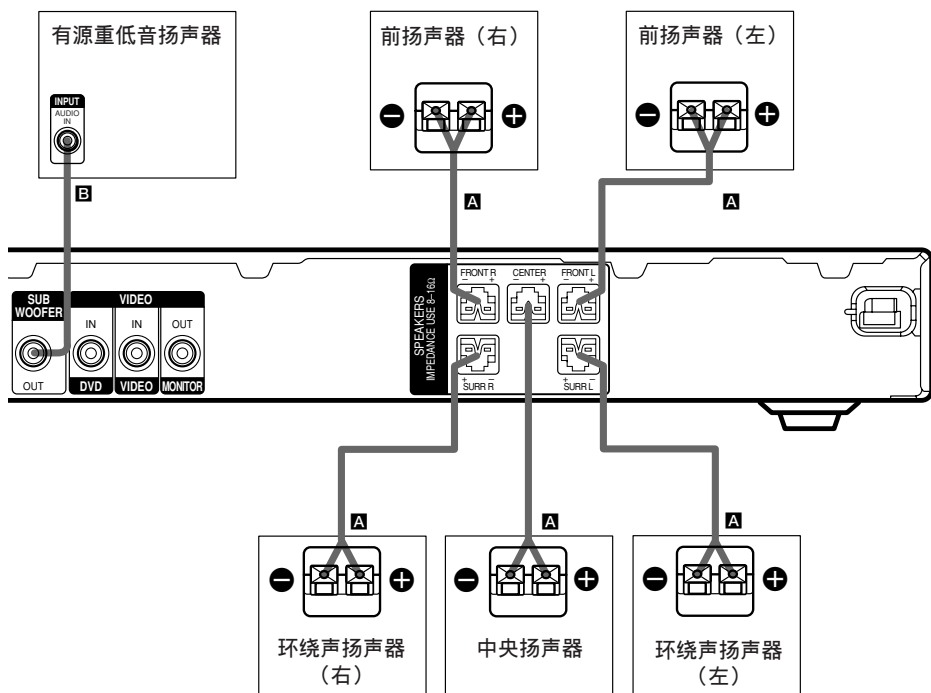
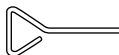
C 扬声器插头（附带）



B 单声道声频导线（无附带）



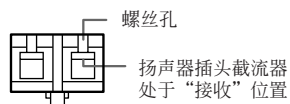
D 六角扳手（附带）



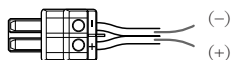
附加扬声器导线至扬声器插头

在连接扬声器之前，您必需附加扬声器导线（无附带）至扬声器插头（附带）。

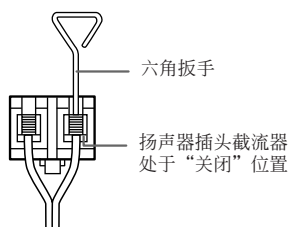
1 确保扬声器插头截流器处于“接收”位置。



- 2** 扭转扬声器导线已剥过的尾端约 10 毫米，并将扬声器导线稳固地插入扬声器插头的背部。
确保您按照极性插入扬声器导线：+ 至 + 及 - 至 -。否则，声音将失真并缺乏低音。



- 3** 将六角扳手插入其中一个螺丝孔并转动六角扳手，直至扬声器导线被稳固于扬声器插头。
确保在其他螺丝孔进行同样的工作。



要领

要避免扬声器导线自扬声器插头脱落

- 请勿采用尺寸较小的扬声器导线。我们建议您采用尺寸 AWG24 至 AWG14 的扬声器导线。
- 使用相同尺寸的扬声器导线于扬声器插头。
- 扭曲已剥除尾端的扬声器插头。
- 稳固地将扬声器导线插入扬声器插头的背部。

注

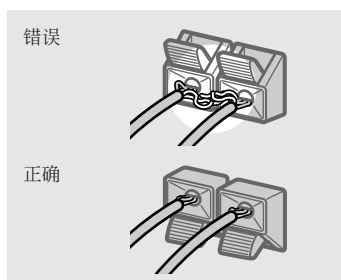
如果使用低于最大输入定额的扬声器，请小心调节音量以免超出扬声器的输出定额。

为免扬声器发生短路

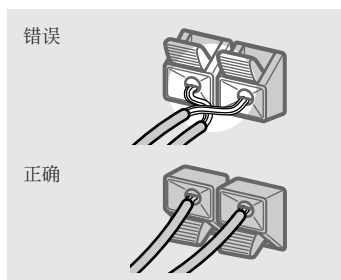
扬声器发生短路可能会损坏接收机。为防此事故，连接扬声器时必须注意下列事项。

请确保每条扬声器导线已剥过的尾端没有触碰到其他扬声器端子、其他扬声器已剥过的尾端或扬声器的金属部件。

状况欠佳的扬声器导线范例



剥除了绝缘皮的扬声器导线触碰到别的扬声器端子。



过分剥除绝缘部分导致剥除了绝缘的导线相互触碰。

连接好所有单片机，扬声器和 AC 电源线之后，请输出测试音以检查所有的扬声器是否都已正确地连接。有关输出测试音的详情，请参照第 16 页。

输出测试音时，若听不到声音自扬声器发出，或者，测试音并非从接收机正显示著名称的扬声器发出时，可能是扬声器发生短路。遇此情况时，请再次检查扬声器的连接。

[接下页](#)

连接扬声器系统（续）

要避免损坏您的扬声器时

请确保在关闭接收机以前先调低接收机的音量。当您打开接收机，音量应该保持在您关闭接收机时的水平。

执行初始设置操作

一旦连接了扬声器并打开电源后，请清除接收机的存储。然后，请指定扬声器参数（大小，位置等）并执行您的系统所需的任何其他初始设置。

要领

设定中查听音频输出（输出声音时进行设置），检查连接状态（第 17 页）。

清除接收机的存储

首次使用接收机或要清除接收机的存储时，请进行下列程序。

1 关掉接收机。

2 按住接收机上的 I/⏻ 5 秒。

“INITIAL”（初始）出现在显示器中。

下面是重调为工厂设定项。

- SET UP, LEVEL 和 TONE 菜单中的所有设定。
- 各 INPUT SELECTOR 和预约电台所记忆的声场。
- 所有的声场参数。
- 所有的预约电台。
- 主音量被设定为“VOL MIN”。

执行初始设置操作

第一次使用您的接收机之前，请先调整 MAIN MENU 参数使接收机相应于您的系统。有关可调整参数，请参看第 39 页的桌表。关于扬声器的设定，请参看第 13-17 页。有关其他设定，则请参看第 29-30 页。

多重声道环绕声的设置

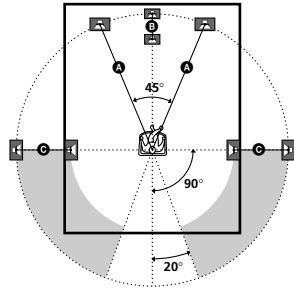
为获得最佳的环绕声效果，所有的扬声器必须与聆听位置 **A** 具同等距离。

然而，接收机却允许您将中央扬声器更接近 **B** 聆听位置放置；即高达 1.5 米，而环绕声扬声器则 4.5 米更接近 **C** 聆听位置。

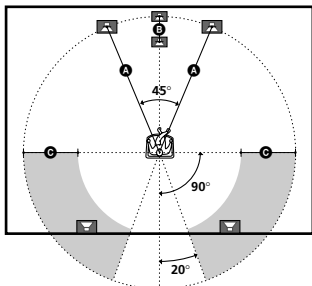
前扬声器可被安置在离聆听位置 **A** 1.0 至 7.0 米之处。

您可依据房间的形状将环绕声扬声器放置在您的后面或两侧。但是，我们建议您将环绕声扬声器放置于您身后。

当放置环绕声扬声器于您的两侧时
（长型房间）



当放置环绕扬声器于您的后面时
(宽型房间)



注

请勿将中央扬声器放置在比前扬声器距离聆听位置更远处。

一般扬声器和微卫星扬声器

若您正在使用	请选择
一般扬声器	NORM. SP.
微卫星扬声器	MICRO SP.

扬声器的尺寸和重低音扬声器的选项已被预设为“NORM. SP.”。当您选择了“NORM. SP.”(第 14 页)，您即可调整扬声器的尺寸和重低音扬声器的选项。

要选择“MICRO SP.”时，关闭电源。然后按住接收机上的 MUTE 及按接收机上的 I/II 以打开电源。(要重新设定为“NORM. SP.”时，请进行同样的步骤。)

若您选择“MICRO SP.”，扬声器的尺寸和重低音扬声器的选项则被定制如下：

扬声器	设定
FRONT	SMALL (小)
CENTER	SMALL (小)
SURROUND	SMALL (小)
SUB WOOFER	YES (是)

选择“MICRO SP.”将使您无法更换扬声器的结构。

要领

微卫星扬声器 (MICRO SP.) 的设置被编程以使音响平衡更为理想。若您使用 Sony 的微卫星扬声器，请选择“MICRO SP.”。

小心

当您使用微卫星扬声器，而扬声器尺寸被设置为“LARGE”时，您可能无法获取正确的声阶。扬声器也可能因为处于高音量而损坏。

指定扬声器参数

- 1 反复按 MAIN MENU (主选单) 以选择“<SET UP>”(设定)。
- 2 按 \uparrow 或 \downarrow 以选择所要调整的参数。
- 3 按 \leftarrow 或 \rightarrow 以选择所要的设定。
设定即自动地被输入。
- 4 反复步骤 2 和 3 直至设定好下列所有的参数。

初始设定

参数	初始设定
(SUB WOOFER) S.W. XXX	YES*
(FRONT) XXXXX	LARGE*
(CENTER) XXXXX	LARGE*
(SURROUND) XXXXX	LARGE*
DIST. X.X m	3.0 m
DIST. X.X m	3.0 m
DIST. X.X m	3.0 m
PL. XXXX	LOW

* 仅当选取“NORM.SP.”方可设置此参数。

[接下页](#)

多重声道环绕声的设置 (续)

■ 重低音扬声器的选项 (S.W. XXX)

- 如果连接重低音扬声器, 请选择“YES”。
- 如果没有连接重低音扬声器, 请选择“NO”。这将启动低音改向电路并从别的扬声器输出 LFE 信号。
- 为了充分利用杜比数字 (Dolby Digital) 低音改向电路, 我们建议您把重低音扬声器的截断频率尽可能设定于较高频率。

■ 前扬声器尺寸 (L R XXXXX)

- 如果连接了可有效地再现低音频率的大型扬声器, 请选择“LARGE”(大型)。通常是选“LARGE”。
- 使用多重声道环绕声时如果声音失真, 或缺乏环绕声效果, 请选择“SMALL”(小型)以启动低音改向电路并从重低音扬声器输出前声道低音频率。
- 当前扬声器被设定为“SMALL”时, 中央和环绕声扬声器也都自动地设定为“SMALL”(除非预先设定于“NO”)。
- 当重低音扬声设定为“NO”, 前扬声器自动设定为“LARGE”(大型), 并且您无法改变此设定。

■ 中央扬声器尺寸 (C XXXXX)

- 如果连接了可有效地再现低音频率的大型扬声器, 请选择“LARGE”(大型)。通常是选“LARGE”。然而, 如果设定前扬声器于“SMALL”, 您将无法把中央扬声器设定于“LARGE”。
- 使用多重声道环绕声时如果声音失真, 或缺乏环绕声效果, 请选择“SMALL”以启动低音改向电路并从前扬声器(如果设定于“LARGE”)或重低音扬声器输出中央声道低音频率。^{*1}
- 如果没有连接中央扬声器, 请选择“NO”。中央声道的音响将从前扬声器输出。^{*2}

■ 环绕声扬声器尺寸 (S L R XXXX)

- 如果连接了可有效地再现低音频率的大型扬声器, 请选择“LARGE”(大型)。通常是选“LARGE”。然而, 如果设定前扬声器于“SMALL”, 您将无法把环绕声扬声器设定于“LARGE”。
- 使用多重声道环绕声时如果声音失真, 或缺乏环绕声效果, 请选择“SMALL”以启动低音改向电路并从重低音扬声器或“LARGE”扬声器输出环绕声声道低音频率。
- 如果没有连接环绕声扬声器, 请选择“NO”。^{*3}

要领

*1-^{*3} 相应于下列杜比专业逻辑 (Dolby Pro Logic) 模式

*1 NORMAL (一般)

*2 PHANTOM (幻像)

*3 3 STEREO (3 立体声)

要领

每台扬声器的 LARGE 和 SMALL 设置将决定内置音响处理器是否将截断来自该声道的低音信号。当低音被截断后，低音改向电路将传送相应的低音频率至重低音扬声器或其他“LARGE”扬声器。然而，因为低音含有指定的改向性质，可以的话最好别截断它。因此，虽然使用小型扬声器，若您要从该扬声器输出低音频率，您可将它设置为“LARGE”。另一方面，若您使用大型扬声器但却不希望低音频率自扬声器输出，则请设置为“SMALL”。

如果总声音电平低于您所要的水准，请把所有的扬声器都设定于“LARGE”。如果低音不足，您可使用 TONE（音调）选单里的 BASS（低音）参数以加强低音电平。请参看第 23 页以调整低音。

■ 前扬声器的距离 (DIST. X.X m)

设定从您的聆听位置到前扬声器的距离（第 12 页的 **A**）。

■ 中央扬声器的距离 (DIST. X.X m)

设定从您的聆听位置到中央扬声器的距离。中央扬声器的距离必须与前扬声器（第 12 页的 **A**）的距离一样；即 1.5 米更接近您的聆听位置（第 12 页的 **B**）。

■ 环绕声扬声器的距离 (DIST. X.X m)

设定从您的聆听位置到环绕声扬声器的距离。环绕声扬声器的距离必须与前扬声器（第 12 页的 **A**）的距离一样；即 4.5 米更接近您的聆听位置（第 12 页的 **C**）。

要领

接收机可让您按照距离输入扬声器的位置。然而，您不能把中央扬声器设定得更远于前扬声器。中央扬声器也不能设定在 1.5 米以上更接近于前扬声器。

同样的，环绕声扬声器不可设置在比前扬声器更远于聆听位置。而且，它们不可被放置在超过 4.5 米更接近聆听位置。

这是因为错误放置扬声器将使您无法充份享受环绕声效果。

请注意，扬声器的距离设定如果近过扬声器的实际位置，则来自扬声器的音响将会被延迟。换言之，扬声器听起来会好像远一些。

例如把中央扬声器的距离设定得比实际的扬声器位置近 1~2 米时将制造相当逼真的“在银幕里面”的感觉。如果因为环绕声扬声器太靠近而得不到满意的环绕声效果，您可以把环绕声扬声器的距离设定为比实际距离接近（较短距离），如此即可产生较大声级。

一边聆听音响一边调节这些参数将带给您更佳的环绕声效果。不妨试试！

[接下页](#)

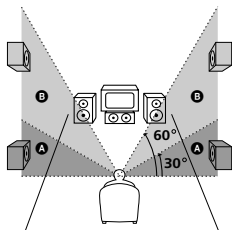
多重声道环绕声的设置 (续)



■ 环绕声扬声器的放置 ()

PL. XXX)*

此参数可让您指定环绕声扬声器的高度以正确地操作数字影院音响环绕声模式。请参考下图。

- 如果环绕声扬声器的位置符合 **A** 部分，请选择“PL. LOW”。
- 如果环绕声扬声器的位置符合 **B** 部分，请选择“PL. HIGH”。



* 当“环绕声扬声器尺寸 ( )”被设定于“NO”时，这些参数都无效。

要领

环绕声扬声器的放置参数是为操作带有虚拟元素的数字影院音响模式而设计的。

在数字影院音响模式中，扬声器的放置将不像其他模式所要求的的那样严格。所有具有虚拟元素的模式虽都以环绕声扬声器必须被设置在聆听位置后面的前提下设计，但即使环绕声扬声器位于相当宽大的角度，它仍能保留相当的效果。但是，如果扬声器从紧靠著聆听位置的左边和右边面对聆听者时，带有虚拟元素的扬声将无法发挥功效。

此外，每个聆听环境都有许多可变因素，例如墙的反射性。


因此，我们建议您播放多重声道环绕声编码软件，并且于您所在之处聆听每个设定的效果。请选择那些有良好的宽广感，以及在环绕声扬声器的环绕音响和前扬声器的声响之间能最成功组成一连贯空间的设置。若您不确定那种音响最好，请选择“PL. LOW”，然后使用扬声器距离参数和扬声器电平调整以获得适当的平衡。

调整扬声器的电平

坐在聆听位置时用遥控器调整各扬声器的电平。

注

本接收机含有中心频率为 800 Hz 的全新音响，让您更轻易地调整扬声器电平。

1 按  以打开接收机。

2 按 TEST TONE。

显示器中即出现“T. TONE”(测试音)，您将逐一地从各个扬声器听到测试音。

前(左) → 中央 → 前(右) →
环绕(右) → 环绕(左) →
重低音扬声器

3 利用 LEVEL (电平) 菜单调整扬声器电平和平衡，使来自各扬声器的测试音大小水平相同。

有关 LEVEL 选单的详情，请参看第 22 页。

在进行调整当中，测试音是从被调整的扬声器所输出。

4 再按一次 TEST TONE 以关掉测试音。

要领

您可同时调整所有扬声器的电平。按 MASTER VOL +/- 或转动主机上的 MASTER VOLUME。

注

在进行调整当中，调整数值将显示于显示器。

检查连接

把所有的单片机都连接到接收机之后，请进行下列操作以确认连接是否正确。

- 1 按 I/⏻ 以打开接收机。
- 2 打开所连接的单片机（例如 DVD 播放机或录影机）。
- 3 按输入选择器按钮（例如 DVD 或 VIDEO）以选择单片机（节目信号源）。
- 4 开始播放。

若进行这些步骤以后仍无法获得正常的音响，请参看第 35 页的“故障探寻”以采取适当的对策。

要领

您也可使用接收机上的 INPUT SELECTOR 以选择单片机。

选择单片机

INPUT SELECTOR

反复按 INPUT SELECTOR 以选择您要使用的单片机。

要选择	显示 / 亮起
录影机	VIDEO
DVD 播放机	DVD
卫星调谐器	TV/SAT
内置调谐器	TUNER

打开所选单片机之后，选择单片机并播放节目信号源。

- 选择了录影机或 DVD 播放机之后，打开电视机并设定电视机的视频输入以配合您所选的单片机。

MUTING (静音)

按 MUTING 以消除声音。当声音被消除时，“MUTING”出现在显示器中。要取消静音，再次按下或提高音量。

当您关掉电源或没有连接电源导线时，静音功能也将被取消。

只需选择接收机的预编程声场之一，您即可充份利用环绕声效果。这些效果能将电影院和音乐厅魄力十足及强劲的音响带进您家里。您也可通过改换环绕声参数来定制声场以获取您所要的音响。

为能充分享受环绕声效果，您必须先登记扬声器的数量和位置。享受环绕声之前，请参阅从第 12 页起的“多重声道环绕声的设置”一节以设定扬声器参数。

自动为输入的音频信号解码（自动格式化指令）

按 A.F.D.（自动格式化指令）。

“A.F.D. AUTO”将出现于显示器中。

本模式能自动检测输入的音频信号类型（Dolby Digital, DTS 或标准 2 声道立体声），必要时则执行适当的解码。此模式将输出所录制 / 编码的音响而不加杂其他效果（例如交混回响）。

然而，若没有低频率信号（Dolby Digital LFE 等），它将制造低频率信号以输出到重低音扬声器。

在多重声道中享受立体声音响（杜比专业逻辑 II）

此功能让您为 2 声道指定解码的类型。

此接收机可通过 Dolby Pro Logic II（杜比专业逻辑 II）在 5 声道或通过 Dolby Pro Logic（杜比专业逻辑）在 4 声道中再现 2 声道音响。

反复按  PL/PLII 以选择“DOLBY PL”，“PLII MOV”或“PLII MUS”。

所选择的模式将出现于显示器中。

■ DOLBY PL（杜比专业逻辑）

执行专业逻辑解码。具有多重声道环绕声音频信号的软体将依据其录制方式播放。带有 2 声道音频信号的信号将用杜比专业逻辑解码以创造环绕声效果（四声道）。

■ PLII MOV（专业逻辑 II 电影）

执行专业逻辑 II 电影模式解码。此设定适用于以杜比环绕声编码的电影。此外，在观看旧电影或配音的录像带时，可用此模式再现 5.1 声道声。

■ PLII MUS（专业逻辑 II 音乐）

执行专业逻辑 II 音乐模式解码。此设定适用于诸如 CD 等一般的立体声信号源。

要领

您也可使用接收机上的  PLII 以选择“DOLBY PL”，“PLII MOV”或“PLII MUS”。

注

杜比专业逻辑和杜比专业逻辑 II 的解码对于 DTS 格式的信号不起作用。

选择声场

只需根据您所要收听的节目选择其中一种预编程声场，您便可享受环绕声效果。

仅使用前扬声器 (2 声道立体声)

反复按 SOUND FIELD +/- 以选择 “2CH ST.”。此模式只从前左和右扬声器输出声音。标准的 2 声道（立体声）信号源完全不需经过声场处理。多重声道环绕声格式将下降混频为 2 声道。

注

- 当选取 “2CH ST.”，重低音扬声器将不输出声音。如果要使用前左和右扬声器以及重低音扬声器聆听 2 声道（立体声）时，按 A.F.D.（自动格式化指令）以选择 “A.F.D. AUTO”。
- 当选取 “微卫星扬声器”（第 13 页），内置音响处理器会自动地将低音转至重低音扬声器。若您想要在此设定中聆听 2 声道（立体声）信号源，我们建议您选择 “A.F.D. AUTO” 模式。您可充分利用重低音扬声器以获得正确的重低音信号。

选择其他声场

反复按 SOUND FIELD（声场）以选择您想要的声场。

当前声场即指示于显示器中。有关各声场的详情，请参看第 19-20 页。

关于 DCS（数字影院音响）DCS

在与 Sony Pictures Entertainment 的协作下，Sony 掌握了制片的音响环境，并且结合所测得的数据和 Sony 的 DSP（数字信号处理器）技术得以发展 “Digital Cinema Sound”（数字影院音响）。在家居影院中，“Digital Cinema Sound”（数字影院音响）将依据影片导演的偏好模仿理想的影院音响环境。

■ C.ST.EX A-C（影院制作室 EX A-C）DCS

- C.ST.EX A 再现 Sony Pictures Entertainment 的 “Cary Grant Theater” 影片制作室的音响特质。这是一个标准模式，可以很好地观看大多数类型的影片。
- C.ST.EX B 再现 Sony Pictures Entertainment 的 “Kim Novak Theater” 影片制作室的音响特质。此模式是用于观看具有很多音响效果的科幻或动作影片的理想模式。
- C.ST.EX C 再现 Sony Pictures Entertainment 的配乐剧的音响特质。此模式用于观看音乐剧或音轨中以音乐为特色的古典影片的理想模式。

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选择声场（续）

关于 Cinema Studio（影院制作室）EX

Cinema Studio（影院制作室）EX 包括下列三个要素：

- 虚拟多空间
从单一的实际环绕声扬声器制造 5 套虚拟扬声器围绕著听者。
- 屏幕深度配合
在电影院里，音响仿佛来自投射在电影屏幕上的影像的内部。此要素通过将前扬声器的音响转换到屏幕上，在您的聆听室里制造同样的感觉。
- 影院制作室交混回响
再现电影院独有的交混回响。

Cinema Studio（影院制作室）EX 是可同时操作这些元素的综合模式。

注

- 虚拟扬声器产生的音响效果可能会在播放信号里制造噪音。
- 当聆听运用虚拟扬声器的声场时，您将无法听见直接来自于环绕声扬声器的声音。

■ HALL

再现矩形音乐厅的音响。

■ JAZZ（爵士俱乐部）

再现爵士俱乐部的音响。




■ CONCERT（现场音乐会）

再现有 300 个座位的现场音乐会的音响。

要关掉环绕声效果时

按 A.F.D.（自动格式化指令）以选择“A.F.D. AUTO”或反复按 SOUND FIELD +/- 以选择“2CH ST.”。

要领

- 每当选取节目信号源，此接收机可让您运用最后选取的声场于节目信号源（声场联结）。例如若您聆听以“JAZZ”作为声场的 CD 时，将它更换为不同的节目信号源，然后回到 CD，“JAZZ”将再次被运用。
- 可以看包装上的洛格字标以辨识 DVD 软体等的编码格式。
 - ：杜比数位光碟
 - ：杜比环绕声已编码程序
 - ：DTS 数位环绕声已编码程序

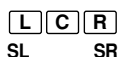
多重声道环绕声显示说明



- 1 **DIGITAL**: 接收机给用杜比数字格式录音的信号解码时将亮起。
- 2 **DTS**: 当输入 DTS 信号时将亮起。
- 3 **SW**: 当重低音扬声器选项被设定于“YES” (第 14 页), 而声频信号从 SUB WOOFER 插孔输出时将亮起。
- 4 **播放声道指示灯**: L, C, R 等文字表示播放声道。围绕著文字的框格表示接收机用于进行下降混频信号源声音的方式 (依据扬声器设定)。当使用诸如“C.ST.EX”的声场时, 接收机将根据信号源声加入交混回响效果。
L (前左), R (前右), C (中央 (单声道)), SL (环绕声左), SR (环绕声右), S (环绕声 (单声道或由专业逻辑处理获得的环绕声成分))。

举例:

录音格式 (前 / 环绕声): 3/2
输出声道: 没有启动环绕声扬声器
声场: A.F.D. AUTO



- 5 **调谐器指示灯**: 当用接收机调谐广播电台等时将亮起。关于调谐器的操作, 请参看第 24-28 页。
- 注**
“RDS”只在地区码为 CEL 的型号出现。
- 6 **D. RANGE**: 启动动态范围压缩功能时将亮起。请参看第 22 页关于调整动态范围压缩的说明。
- 7 **COAX**: 当声源信号是通过 COAX 端子输入的数字信号时将亮起。
- 8 **OPT**: 当声源信号是通过 OPT 端子输入的数字信号时将亮起。
- 9 **LFE**: 当播放含有 LFE (低频效果) 声道的光碟, 以及当 LFE 声道信号的声音实际上正在重新处理时将亮起。
- 10 **PRO LOGIC II**: 当接收机运用专业逻辑处理于 2 声道信号来输出中央和环绕声道信号时“**PRO LOGIC**”将亮起。当运用专业逻辑 II 来处理 (“PLII MOV”或“PLII MUS”) 时“**PRO LOGIC II**”将亮起 (第 18 页)。然而, 如果把中央和环绕声扬声器设定於“NO”并选择“A.F.D. AUTO”, “DOLBY PL”, “PLII MOV”或“PLII MUS”, 这两个指示灯将不亮起。

注

杜比专业逻辑和杜比专业逻辑 II 的解码对于 DTS 格式的信号不起作用。

定制声场

通过调整环绕声参数和前扬声器的音调特性，您可定制声场以迎合您的特殊听赏喜好。

一旦定制了声场，它将一直存储于指定的存储器中。然而，您只须重新调整参数，便可随时改变定制声场。

关于各声场中备有的参数，请参看封底的桌表。

为获得最佳的多重声道环绕声效果



要定制声场之前，请按照从第 12 页起的“多重声道环绕声的设置”所说明的方法安置好扬声器，并作好各项调定工作。

调整电平参数

LEVEL 选单含有用于调整各扬声器的平衡和音量的参数。您也可以定制当前声场多方面的概况。此设定适用于所有的声场除了 EFCT. 参数以外。至于 EFCT. 参数，此设定将为每个声场单独储存。

- 1** 开始播放用多重声道环绕声编码的节目信号源。
- 2** 反复按 MAIN MENU（主选单）以选择“<LEVEL>”。
- 3** 按 \blacktriangle 或 \blacktriangledown 以选择所要调整的参数。
- 4** 按 \blackleftarrow 或 \blackrightarrow 以选择所要的设定。
设定即自动地被输入。

初始设定

参数	初始设定
 BAL. L/R XX	BALANCE
CTR XXX dB	0 dB
SUR.L. XXX dB	0 dB
SUR.R. XXX dB	0 dB
S.W. XXX dB	0 dB
 COMP. XXX	OFF
EFCT. XXX	STD

前平衡 (  BAL. L/R XX)
用于调整前左和前后右扬声器间的平衡。

中央电平 (CTR XXX dB)
用于调整中央扬声器的电平。

环绕声左电平 (SUR.L. XXX dB)
用于调整环绕声左扬声器的电平。

环绕声右电平 (SUR.R. XXX dB)
用于调整环绕声右扬声器的电平。

重低音扬声器电平 (S.W. XXX dB)
用于调整重低音扬声器的电平。

动态范围压缩 (D. RANGE COMP. XXX)

用于压缩声迹的动态范围。这项功能在深夜里用小音量观赏电影片时很有用。我们建议您选用“MAX”设定。

- 要再现无压缩的声迹时，请选择“OFF”。
- 要再现录影技师指定动态范围的声迹时，请选择“STD”。
- 要再现动态范围极为显著的压缩效果时，请选择“MAX”。

注
动态范围压缩仅适用于杜比数字信号源。

效果电平 (EFCT. XXX)

用于调整当前环绕声效果的“存在感”。

调整音调参数

TONE（音调）选单含有可让您调整前扬声器的音调以获取最理想的音响参数。此设定适用于所有的声场。

- 1** 开始播放用多重声道环绕声编码的节目信号源。
- 2** 反复按 MAIN MENU（主选单）以选择“<TONE>”。
- 3** 按 \uparrow 或 \downarrow 以选择所要调整的参数。
- 4** 按 \leftarrow 或 \rightarrow 以选择所要的设定。
设定即自动地被输入。

初始设定

参数	初始设定
BASS XX dB	0 dB
TREB. XX dB	0 dB

低音 (BASS XX dB)

可让您调整低音。

高音 (TREB. XX dB)

可让您调整高音。

将定制声场重调回工厂设定

- 1** 如果接通著电源，请按 I/⏻ 以关掉电源。
- 2** 按住接收机上的 SOUND FIELD，并按接收机上的 I/⏻。
“SF. CLR.”即出现于显示器，所有的声场则重调回工厂设定。

在接收广播电台以前，务必将 FM 和 AM 天线连接至接收机（第 6 页）。

自动存储 FM 电台 (AUTOBETICAL)

（地区码 CEL 的型号为限）

此功能可不反复地按照字母顺序存储高达 30 个 FM 和 FM RDS 电台。此外，它仅存储信号最清晰的电台。

如果要逐一地存储 FM 或 AM 电台，请参看第 26 页的“预约广播电台”。

1 按 I/OFF 以关掉接收机。

2 按住接收机上的 INPUT SELECTOR 并按接收机上的 I/OFF 以再次接通接收机。

显示器即出现“AUTO-BETICAL SELECT”而接收机即开始扫描并存储广播地区的所有 FM 和 FM RDS 电台。

对于 RDS 电台，调谐器将首先检查广播同一节目的电台，然后仅存储信号最清晰的电台。所选 RDS 电台即按照它们的节目服务名按字母分类，然后指配两个字符的预约码。有关 RDS 详情，请参看第 27 页。

一般的 FM 电台都有两个字符的指配预约码，并被储存在 RDS 电台之后。

完成设置后，“FINISH”即出现于显示器片刻，而接收机则恢复正常操作。

注

- 在 autobetrical 操作中，请勿按接收机或附带遥控器上的任何按钮。
- 如果您迁移到别的地区，请反复此程序以存储新地区的电台。
- 有关调谐存储电台的详情，请参看第 26 页。
- 用此程序存储电台之后，如果您移动天线位置，所存储的设置可能会无效。此时，您必须反复此程序以再次存储电台。

直接调谐

您可用附带遥控器上的数字按钮直接输入所要电台的频率。

1 反复按 TUNER 以选择 FM 或 AM 波段。

最后接收的电台即被调入。

2 按 D.TUNING。

3 按数字按钮以输入频率。

例 1: FM 102.50 MHz

① → ② → ⑤ → ⑤ → ①

例 2: AM 1350 kHz

① → ③ → ⑤ → ①

如果您无法调入电台，并且输入的数字闪烁时

务必确认已输入正确的频率。否则，请重复第 2 和 3 步骤。如果输入的数字仍旧闪烁，则表示该频率不适用于您的地区。

4 如果您已调入 AM 电台，请调整 AM 环形天线的方向以获取最佳的接收。

5 反复步骤 1 到 4 以接收其他电台。

要领

- 如果忘记准确的频率，您可在输入所要电台的近似频率之后按 TUNING + 或 TUNING -。接收机即自动地调入所要电台。如果频率似乎比输入值高，请按 TUNING +，如果频率似乎低于输入值，则按 TUNING -。
- 如果显示器闪烁著“STEREO”，而 FM 立体声的接收状况欠佳时，按 FM MODE 以更换为单声道（MONO）。虽没有立体声效果，但声音较不失真。要返回立体声模式时，再按一次 FM MODE。

如下表所示，调谐度盘将随地区码的不同而异。有关地区码的详情，请参看第 2 页。

地区码	FM (调频)	AM (调幅)
CEL, CN	50 kHz (千赫)	9 kHz (千赫)

自动调谐

如果您不知道所要收听电台的频率，您可让接收机扫描当地所有的电台。

1 反复按 TUNER 以选择 FM 或 AM 波段。
最后接收的电台即被调入。

2 按 TUNING + 或 TUNING -。
按 TUNING + 从低向高扫描；按 TUNING - 从高向低扫描。
当接收到电台时，接收机即停止扫描。

当接收机扫描到波段的任何一端时
扫描将同方向地反复进行。

3 要持续扫描时，请再按一次 TUNING + 或 TUNING -。

预约调谐

用直接调谐或自动调谐调入电台之后，您可以把它们预约到接收机里。然后，您即可用附带的遥控器输入两个字符的预约码直接调入任何电台。高达 30 个 FM 或 AM 电台可被预约。接收机也能扫描全部您所预约的电台。

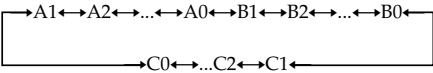
要调收预约电台以前，务必遵照本章节“预约广播电台”（第 26 页）的步骤先行预约。

接下页

预约调谐 (续)

预约广播电台

- 1 按 TUNER。
最后接收的电台即被调入。
- 2 用直接调谐 (第 24 页) 或自动调谐 (第 25 页) 调入所要预约的电台。
- 3 按 MEMORY。
“MEMORY” (存储器) 将显示于显示器数秒。
请在 “MEMORY” 显示熄灭以前进行步骤 4 到 5。
- 4 反复按 PRESET + 或 PRESET - 以选择预约的电台号码。
每按一次此按钮, 预约的电台号码将按照如下顺序和方向改变:



在您选择预约的电台号码之前, 如果 “MEMORY” (存储器) 显示熄灭, 请再次从步骤 3 开始。

- 5 再按一次 MEMORY 以存储电台。
在您储存电台之前如果 “MEMORY” 显示熄灭, 请再次从步骤 3 开始。
- 6 反复步骤 2 到 5 以预约其他电台。

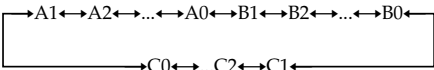
要改变预约号至另一个电台时
请进行步骤 1 到 5 以预约一个新电台到该预约号。

调谐预约广播电台

您可用下列两种方式的其中之一调入预约电台。

扫描预约广播电台

- 1 按 TUNER。
最后接收的电台即被调入。
- 2 反复按 PRESET + 或 PRESET - 以选择所要的预约电台。
每按一次此按钮, 接收机将按照如下顺序和方向一次调入一个预约电台:



使用预约码

- 1 按 TUNER。
最后接收的电台即被调入。
- 2 按 SHIFT 以选择存储页 (A, B 或 C)。
然后用数字按钮按所要电台的预约号。

要领
您也可使用接收机上的 PRESET TUNING +/- 以调入预约电台。

使用无线电广播数据系统 (RDS)

(地区码 CEL 的型号为限)

本接收机也可让您接收 RDS (无线电广播数据系统)。此系统可让无线电广播电台在一般节目信号中播送附加信息。

请注意, RDS 只适用于 FM 电台。*

* 不是所有的 FM 电台都提供 RDS 服务, 他们也未必提供相同类型的服务。如果您不熟悉当地的 RDS 服务, 请咨询当地无线电广播电台以获取详情。

接收 RDS 广播

只需用直接调谐 (第 24 页), 自动调谐 (第 25 页) 或预约调谐 (第 25 页) 选择一个 FM 波段的电台即可。

当您调入一个提供 RDS 服务的电台, RDS 指示灯将亮起。节目的电台名称通常会出现于显示器。

注

如果所调收的电台没有适当地传输 RDS 信号, 或如果信号强度太弱, RDS 功能便可能不起适当的作用。

显示 RDS 信息

正在接收 RDS 电台时按 DISPLAY。

每按一次此按钮, 显示器上的 RDS 信息即如下循环改变:

节目电台名 → 频率 → 节目类型指示灯^{a)} → 无线电广播文本指示灯^{b)} → 当前时间指示灯 (24 小时制) → 当前所用声场 → 音量

a) 广播的节目类型 (第 28 页)。

b) 由 RDS 电台播送的文本讯息。

注

- 如果有紧急的政府通告, “ALARM” 将闪烁于显示器。
- 如果此信息有 9 个或更多的字母, 此信息将在显示器中滚动显示。
- 如果电台不提供特殊的 RDS 服务, “NO XXXX” (例如, “NO TEXT”) 即出现于显示器。

接下页

节目类型的说明

节目类型指示	说明
NEWS	新闻节目
AFFAIRS	时事焦点课题性节目
INFO	提供消费事务，医疗保健等广大领域的节目
SPORT	体育节目
EDUCATE	教育性节目，例如启发性和引导性节目
DRAMA	无线电广播戏剧和连续剧
CULTURE	语言，社会等有关国家或地区文化的节目
SCIENCE	有关自然科学和技术的节目
VARIED	其他类型的节目，例如名人采访，解说团和笑剧
POP M	流行音乐节目
ROCK M	摇滚音乐节目
EASY M	轻松聆听节目
LIGHT M	演奏、歌唱和合唱音乐
CLASSICS	名管弦乐团演奏的室内乐、歌剧音乐等
OTHER M	不属于以上任何类别的音乐，例如 Rhythm & Blues（节奏蓝调）和 Reggae（雷鬼音乐）
WEATHER	天气预报
FINANCE	股票市场报告和贸易等
CHILDREN	儿童节目
SOCIAL	有关民生问题的社会杂谈
RELIGION	宗教内容的节目

节目类型指示	说明
PHONE IN	公众用电话或在公众讨论会上发表意见的节目
TRAVEL	有关旅游的节目。不是用于 TP/TA 找的报导
LEISURE	园艺、钓鱼、烹饪等休闲性节目
JAZZ	爵士音乐节目
COUNTRY	乡村音乐节目
NATION M	国家或地区的流行音乐节目
OLDIES	老歌节目
FOLK M	民谣节目
DOCUMENT	调查研究性质的节目
NONE	不属于以上任何一项的节目

使用睡眠定时器

您可设定接收机在指定的时间自动关闭。

在按了 ALT 之后（第 33 页），在电源打开时按 SLEEP。

每按一次按钮，显示即如下循环切换：

2-00-00 → 1-30-00 → 1-00-00
→ 0-30-00 → OFF（关掉）

指定了时间之后，显示即变暗淡。

要领

要在接收机关闭之前查看剩余时间时，请按 ALT 然后按 SLEEP。剩余时间即出现于显示器。

用 SET UP 选单进行调整

SET UP 选单可让您进行下列调整。

- 1 反复按 MAIN MENU（主选单）以选择“<SET UP>”。
- 2 按 ▲ 或 ▼ 以选择所要调整的参数。
- 3 按 ← 或 → 以选择所要的设定。
设定即自动地被输入。
- 4 反复步骤 2 和 3 直到您已设定完所遵循的参数。

初始设定

参数	初始设定
DVD-XXXX	AUTO
TV-XXXX	AUTO
DEC. XXXX	PCM（供 DVD）， AUTO（供 TV/SAT）

■ DVD 功能的音频输入模式（DVD-XXXX）

让您为 DVD 功能选择音频输入模式。

- 当两个数字和模拟的连接存在时，“AUTO”将优先作为数字信号。如果没有数字信号，模拟将被选取。
- “OPT”指定数字音频信号输入至 DIGITAL DVD OPT IN 插孔。
- “COAX”指定数字音频信号输入至 DIGITAL DVD COAX IN 插孔。
- “ANLG”指定模拟音频信号输入至 DVD IN (L/R) 插孔。

■ TV/SAT 功能的音频输入模式（TV-XXXX）

让您为 TV/SAT 功能选择音频输入模式。

- 当两个数字和模拟的连接存在时，“AUTO”将优先作为数字信号。如果没有数字信号，模拟将被选取。
- “OPT”指定数字音频信号输入至 DIGITAL TV/SAT OPT IN 插孔。
- “ANLG”指定模拟音频信号输入至 TV/SAT IN (L/R) 插孔。

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其他操作

用 SET UP 选单进行调整 (续)

■ 优先解码 (DEC. XXXX)

为输入的数字信号设定适当的解码。

• PCM 优先模式 (DEC. PCM)

使用它以享受于来自声频 CD (PCM) 和 DVD 的播放。当 CD 或 DVD 以外的媒介使用时，您可能会感受到噪音。若此事发生，转换至 AUTO (自动) 模式。

• AUTO (自动) 模式 (DEC. AUTO)


使用它以享受于来自声频 CD (PCM)，DVD，DTS-CD 和 DTS-LD 声源的播放。但是，使用声频 CDs，您可能无法聆听每个音轨的最初时刻。

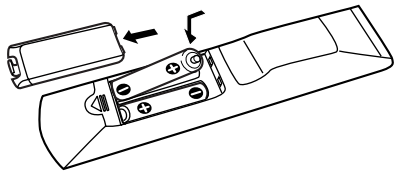
通常，使用上述的初始设定。

您可用 RM-U40 遥控器来操作系统中的组成机。

在使用您的遥控器之前

把电池装入遥控器

在电池室中装入 R6 (AA 号) 干电池并对准 + 和 - 电极。使用遥控器时，必须瞄准接收机上的遥控传感器 。



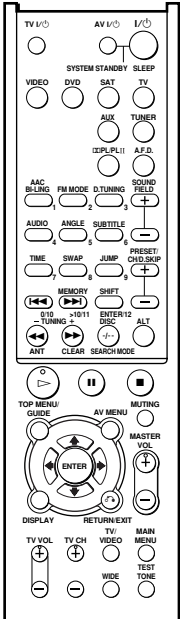
要领

在一般使用状况下，电池可耐用大约 6 个月。当遥控器不能再操作接收机时，请换上两节新的电池。

注

- 不要把遥控器放置在太热或太潮湿的地方。
- 不要混用新、旧电池。
- 别让遥控传感器受阳光或电灯的强光直射。否则，可能引起故障。
- 如果准备长时期不用遥控器，请取出电池以免因电池漏液及腐蚀而损坏遥控器。

遥控器按钮说明



下列桌表说明各按钮的功能。

遥控器按钮	操作	功能
SLEEP	接收机	启动睡眠功能和接收机自动关闭的时限。
I/O	接收机	打开或关闭接收机。
VIDEO	接收机	观看录影机。
DVD	接收机	观看 DVD。
SAT	接收机	观看卫星接收机。

遥控器按钮	操作	功能
TV	接收机	观看电视节目。
AUX	接收机	聆听声频设备。
TUNER	接收机	收听广播电台。
PL/PLII	接收机	选择 DOLBY PL, PLII MOV 和 PLII MUS。
A.F.D.	接收机	选择 A.F.D. AUTO。
FM MODE	接收机	选择 FM 单声道立体声接收。
D.TUNING	接收机	调谐器电台直接输入模式。
SOUND FIELD +/-	接收机	选择声场。
MEMORY	接收机	储存电台。
SHIFT	接收机	反复按下以选择预约电台或调入预约的电台所用的存储页。
TUNING +/-	接收机	扫描电台。
MUTING	接收机	消除来自接收机的声音。
Up/Down	接收机	选取选单项目。
Left/Right	接收机	进行调整或更换设定。
MASTER VOL +/-	接收机	调整接收机的主音量。
MAIN MENU	接收机	选择选单。
TEST TONE	接收机	按下以输出测试音。
AV I/O	电视机 / 录影机 / CD 唱机 / DVD 播放机	打开或关闭声频视频组成机。

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遥控器按钮说明（续）




遥控器按钮	操作	功能
SYSTEM STANDBY (同时按 AV I/⏻ 和 I/⏻)	接收机/ 电视机 / 录影机 / 卫星调谐器 / CD 唱机 / DVD 播放机	关闭接收机和其他 Sony 音频/视频组成 机。
1-9 和 0/10	接收机	与“SHIFT”按钮配合 使用以预约电台或调 入预约的电台并与 “D.TUNING”配合以 直接调谐。
	CD 唱机	选择曲号。 0/10 选择曲号 10。
	电视机 / 录影机 / 卫星调谐器	选择频道号。
>10/11	CD 唱机	选择超过 10 的曲号。
ENTER/12	电视机 / 录影机 / 卫星调谐器	用数字按钮选取频道、 光碟或声轨之后，按下 以输入数值。
TIME	CD 唱机 / DVD 播放机	显示时间或显示光碟的 播放时间等。
PRESET/ CH/ D.SKIP +/-	接收机	扫描和选择预约电台。
	电视机 / 录影机 / 卫星调谐器	选择预约频道。
	CD 唱机/ DVD 播放机	跳越光碟（仅于多用途 光碟转换器）。
⏮/⏭	录影机/ CD 唱机 / DVD 播放机	跳越曲子。
⏮/⏭	CD 唱机 / DVD 播放机	寻找曲子 (向前或向後)。
	录影机	快进或重绕。

遥控器按钮	操作	功能
▷	录影机 / CD 唱机/ DVD 播放机	开始播放。
⏮	录影机 / CD 唱机/ DVD 播放机	暂停播放或录音 / 影。 (组成机呈录音 / 影备 用模式时，则开始录 音 / 影。)
■	录影机 / CD 唱机 / DVD 播放机	停止播放。
DISC	CD 唱机	直接选择光碟（仅于多 用途光碟转换器）。
ANT	录影机	选择来自天线端子的输 出信号：电视信号或录 影机节目。
TOP MENU/ GUIDE	DVD 播放机 卫星调谐器	显示 DVD 标题。 显示指引选单。
AV MENU	录影机 / 卫星调谐器/ DVD 播放机	显示选单。
DISPLAY	电视机 / 录影机 / DVD 播放机	选择显示于电视屏幕上的 信息。
RETURN / ↶/EXIT	DVD 播放机 卫星调谐器	回到之前的选单。 退出选单。
⬆/⬇/⬅/➡	录影机 / 卫星调谐器/ DVD 播放机	选择选单项目。 按下以输入选项。
ENTER	录影机 / 卫星调谐器 / DVD 播放机	按下以输入选项。
AUDIO	电视机 / 录影机 / DVD 播放机	将声音改换为多制式 声道，双语言或多重 声道电视音响。

遥控器按钮	操作	功能
ANGLE	DVD 播放机	选择以观看角度或更换角度。
SUBTITLE	DVD 播放机	更换副标题。
CLEAR	DVD 播放机	当您错误按数字按钮时按下此按钮，或按下以回到连续播放等。
SEARCH MODE	DVD 播放机	选择搜寻模式。按下以使本机进行搜寻（声轨，索引等）。
TV I/II	电视机	打开或关闭电视机。
SWAP*	电视机	调换大，小影像。
JUMP	电视机	跳动于之前及当前频道之间。
-/--	电视机	选择频道输入模式，一位或两位数。
TV VOL +/-	电视机	调整电视机的音量。
TV CH +/-	电视机	选择预约电视频道。
TV/VIDEO	电视机	选择输入信号：电视输入或视频输入。
WIDE	电视机	选择宽影像模式。
ALT	遥控器	改变遥控器按钮的功能以启动橙色按钮。

* 仅于具画中画功能的 Sony 电视机。

注

- 以上说明仅作为范例。
因此，依据单片机而定，以上的操作可能无效，或者其操作可能与说明有所出入。
- 若要启动带橙色的按钮，在按下按键以前请按 ALT。
- 在您使用    按钮以进行接收机的操作以前，请按 MAIN MENU。要操作其它单片机，在按下功能按钮之后按 TOP MENU/GUIDE 或 AV MENU。
- AUX 和 AAC BI-LING 功能对设置操作不起作用。

改变输入选择器按钮的出厂预设

如果输入选择器按钮的出厂预设不符合您系统的单片机，您可将它更换。例如若您有 CD 唱机而没有 DVD 播放机时，您可按 CD 唱机的 DVD 按钮。

- 1 按住您想要更改输入声源的输入选择器按钮（例如 DVD）。

[接下页](#)

改变输入选择器按钮的出厂预设（续）

2 按单片机的相应按钮：您要指配的输入选择器按钮（例如 1 - CD 唱机）。

下列按钮用以选择各别的输入声源：

要操作	请按下
CD 唱机	1
录影机（指令模式 VTR 2*）	2
录影机（指令模式 VTR 3*）	3
DVD 播放机	4
电视机	5
DSS（数字卫星接收机）	6
调谐器（此接收机）	7
DCS（CS 数字调谐器）	8
BSD（BS 数字调谐器）	9
调谐器（单片机接收机）	0/10

* Sony 录影机可用 VTR 2 或 3 的设定操作。这些设置分别适用于 8mm 和 VHS。

现在，您可用 DVD 按钮操作 CD 唱机。

要将按钮重设回出厂预设时

请重复上述步骤。

要将所有的输入选择器按钮都重设回出厂预设时

同时按 **I/⏻**，**AV I/⏻** 和 **MASTER VOL -**。

使用前注意事项

安全须知

万一有杂物或液体掉进机壳内，请立即拔下接收机插头并找合格人员检查过后才可以再操作使用。

电源须知

- 操作本机之前，请先检查操作电压是否符合当地的电源电压。接收机的操作电压标示在接收机背后的铭板上。
- 虽然已关闭接收机的电源，如果没有从墙上插座拔出电线，本机并未完全与 AC 电源（主电源）隔离。
- 如果长时间不使用接收机，请从墙上插座拔下接收机的电源线。要拔下 AC 电源线时，必须抓住插头拔出，不可拉著导线拔。
- AC 电源线仅可在授权的维修中心更换。

内积热须知

在操作时本机机会加热，这并非故障。如果持续使用本机，机壳顶部，侧面和底面的温度会上升得相当高。为避免烫伤，请不要接触机壳。

安置须知

- 必须安装接收机于通风良好的地方以防积热，并延长接收机的使用寿命。
- 不要把接收机放在靠近热源或阳光直射，多尘或有机械性冲击的地方。
- 别在机壳顶上放置任何东西以免堵住通风孔而引起故障。
- 当放置此机到经过特别处理的表面（带有蜡，油，擦亮剂，等）时请小心使用，否则可能造成表面被沾污或变色。

操作须知

要连接别的单片机之前，请先关掉接收机的电源，并拔下电源插头。

清洁须知

请用温和的洗涤剂清洗机壳，控制板和控制器。不可使用任何类型的砂布，磨粉或酒精，苯等溶剂。

如果您对接收机仍有任何疑问或问题，请洽询附近的 Sony 经销商。

故障探寻

使用接收机时如果碰到如下困难，请用此故障探寻指南試著解决问题，并参看第 17 页的“检查连接”以确认连接是否正确。

无论选那个单片机都无声音或只听到极小的声音。

- 检查扬声器和单片机的连接是否正确及稳固。
- 检查接收机和所有的单片机是否都已打开了电源。
- 检查 MASTER VOLUME 控制按钮没有被设定在“VOL MIN”。
- 按 MUTE 以解除静音功能。
- 因发生短路而启动了接收机的保护装置 (“PROTECT” 将闪烁)。请关掉接收机电源，解决了短路问题之后再打开电源。

指定的单片机或其中一个前扬声器没有发出声音。

- 确认单片机是正确地连接在该单片机所用的音频输入插孔。
- 确认连接用导线已妥当地接插于接收机和单片机的插孔。

左和右声音不平衡或相反。

- 检查扬声器和单片机的连接是否正确及稳固。
- 调整 LEVEL 选单的平衡参数。

有严重的哼声或噪音。

- 检查扬声器和单片机的连接是否正确及稳固。
- 检查连接导线是否远离变压器或电动机，并且至少离开电视机或荧光灯 3 米。
- 把电视机移离声频单片机。
- 插头和插孔都脏了。请用微蘸酒精的布擦拭。

从中央或 / 和环绕声扬声器上听不到声音或只听见极小的声音。

- 确认是否已打开了声场功能 (按 SOUND FIELD +/-)。
- 选择含有“C.ST.EX”字样的声场 (第 19 页)。
- 调整扬声器的电平 (第 16 页)。
- 确认中央或 / 和环绕声扬声器的尺寸参数是否设定于“SMALL”或“LARGE” (第 14 页)。

有源重低音扬声器没有输出声音。

- 检查重低音扬声器的连接是否正确及稳固。
- 请确定重低音扬声器的选项已被设定为“YES” (第 14 页)。
- 视声场所定，可能没有声音自 SUB WOOFER 端子输出 (封底)。

无法获得环绕声效果。

确认是否已打开了声场功能 (按 SOUND FIELD +/-)。

不能再现杜比数字 (Dolby Digital) 或 DTS 多重声道音响。

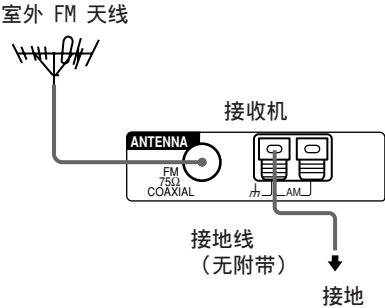
- 检查播放中的 DVD 等是否用杜比数字或 DTS 格式录制。
- 当连接 DVD 播放机等到此接收机的数字输入插孔，请检查所连接单片机的声频设定 (声频输出用的设定)。

[接下页](#)

故障探寻（续）

FM 接收状况欠差。

如下图所示用 75 欧的同轴电缆（无附带）将接收机连接至室外 FM 天线。如果将接收机连接至室外天线，请把它接地以防闪电。为防止煤气爆炸事故，请勿将地线连接至煤气配管。



不能调入电台。

- 检查是否已稳固地连接天线。请调整天线。必要时，请连接室外天线。
- 电台的信号强度太弱（当用自动调谐调入时）。请改用直接调谐。
- 未曾预约电台或预约电台已被清除（用扫描预约电台调谐时）。请预约电台（第 26 页）。

RDS 不起作用。*

- 确认是否已调入 FM RDS 电台。
- 选择信号较强的 FM 电台。


未出现所要的 RDS 信息。*

询问广播电台是否提供上述服务。如果有，那可能是该项服务只是暂时不正常而已。

电视屏幕或监视器上没有影像或影像不清晰。

- 选择接收机上适当的输入选择器。
- 把电视机设定于适当的输入模式。
- 把电视机移离声频单片机。

遥控器不起作用。

- 遥控器上的 AUX 和 AAC BI-LING 按钮将不起作用。
- 遥控器必须指向接收机的遥控传感器 .
- 排除遥控器和接收机通讯之间的任何障碍物。
- 如果遥控器的电池变弱，请换上两节新的电池。
- 请确定遥控器上所选的输入选择器是否正确。
- 如果遥控器被设定为只操作电视机，在操作接收机或其他单片机之前，请用遥控器选择电视机以外的播放源或单片机。

若您不能使用故障探寻指南来解决问题

清除接收机的存储便能解决问题（第 12 页）。然而，请注意所有的存储设置将重调为工厂设定项并且您无法再调整所有在接收机上的设置。

若问题仍存在

请洽询您附近的 Sony 经销商。

* 地区码 CEL 的型号为限。

清除接收机的存储

要清除	请参看
所有存储的设定	第 12 页
定制声场	第 23 页

规格

放大器部分

功率输出

地区码 CEL 的型号

立体声模式时的额定功率输出

(8 欧 1 kHz, 总谐波失真 0.7 %)
25 W + 25 W²⁾

基准功率输出²⁾

(8 欧 1 kHz, 总谐波失真 10 %)
FRONT¹⁾: 35 W/ch
CENTER¹⁾: 35 W
SURR¹⁾: 35 W/ch

地区码 CN 的型号

立体声模式时的额定功率输出

(8 欧 1 kHz, 总谐波失真 0.7 %)
25 W + 25 W²⁾
20 W + 20 W³⁾

基准功率输出²⁾

(8 欧 1 kHz, 总谐波失真 10 %)
FRONT¹⁾: 35 W/ch
CENTER¹⁾: 35 W
SURR¹⁾: 35 W/ch

- 1) 视声场设定和信号源而定, 可能无声音输出。
2) 在下列条件下测定:

地区码	电源
CEL, CN	230 V AC, 50 Hz

- 3) 在下列条件下测定:

地区码	电源
CN	220 V AC, 50 Hz

频率响应

TV/SAT, DVD, VIDEO: 10 Hz - 50 kHz
+0.5/-3 dB (具有声场和音调旁通)

输入 (模拟)

TV/SAT, DVD, VIDEO: 灵敏度: 250 mV
阻抗: 50 千欧
信噪比¹⁾: 96 dB
(A, 250 mV⁵⁾)

- 4) INPUT SHORT (输入短路) (具有声场和音调旁通)。
5) 权重网络, 输入电平。

输入 (数字)

DVD (同轴):

灵敏度: -
阻抗: 75 欧
信噪比: 100 dB
(A, 20 kHz LPF)

DVD, TV/SAT (光频):

灵敏度: -
阻抗: -
信噪比: 100 dB
(A, 20 kHz LPF)

输出

SUB WOOFER:

电压: 2 V
阻抗: 1 千欧

音调

增益电平: ±6 dB, 1 dB 步进

视频 (录影) 部分

输入

视频: 1 V_{p-p}, 75 欧

输出

视频: 1 V_{p-p}, 75 欧

FM 调谐器部分

调谐范围

87.5 - 108.0 MHz

天线端子

75 欧, 不平衡

中频

10.7 MHz

灵敏度

Mono (单声道): 18.3 dBf, 2.2 μV/75 欧
Stereo (立体声): 38.3 dBf, 22.5 μV/75 欧

有效灵敏度

11.2 dBf, 1 μV/75 欧

S/N (信噪比)

Mono (单声道): 76 dB
Stereo (立体声): 70 dB

1 kHz 时的谐波失真

Mono (单声道): 0.3 %
Stereo (立体声): 0.5 %

分离

1 kHz 时为 45 dB

频率响应

30 Hz - 15 kHz,
+0.5/-2 dB

选择性

400 kHz 时为 60 dB

[接下页](#)

规格（续）

AM 调谐器部分

调谐范围

地区码 CEL, CN 的型号

用 9-kHz 调谐度盘: 531 – 1602 kHz

天线	环形天线
中频	450 kHz
有效灵敏度	50 dB/m (999 kHz 时)
S/N (信噪比)	54 dB (50 mV/m 时)
谐波失真	0.5 % (50 mV/m, 400 Hz)
选择性	9 kHz 时: 35 dB

一般规格

电源

地区码	电源
CEL	230 V AC, 50/60 Hz
CN	220 – 230 V AC, 50/60 Hz

电力消耗

地区码	电力消耗
CEL, CN	130 W

电力消耗（备用模式中）0.3 W

尺寸（宽 × 高 × 纵深）

STR-SL50:	430 × 56 × 290 mm
STR-SL40:	430 × 56 × 288 mm
包含凸起部分和控制器	

质量（大约值） 4.5 kg

附带附件:

- FM 电线天线 (1)
- AM 环形天线 (1)
- RM-U40 遥控器 (1)
- R6 (AA 号) 电池 (2)
- 扬声器插头 (5)
- 六角扳手 (1)

有关您使用的组成机的地区码详情，请参看第 2 页。

设计和规格有所变更时，恕不另行奉告。

使用 MAIN MENU 按钮的设定一览表

您可用 MAIN MENU 和 /// 按钮进行各项设定。以下桌表说明这些按钮可作的各项设置。

反复按 MAIN MENU 以选择	按 或 以选择	按 或 以选择	页数
<LEVEL>	BAL. L/R XX	L +8 到 R +8 (1 步进)	22
	CTR XXX dB	-10 dB 到 +10 dB (1 dB 步进)	
	SUR.L. XXX dB	-10 dB 到 +10 dB (1 dB 步进)	
	SUR.R. XXX dB	-10 dB 到 +10 dB (1 dB 步进)	
	S.W. XXX dB	-10 dB 到 +10 dB (1 dB 步进)	
	D. RANGE COMP. XXX	OFF, STD, MAX	
	EFCT. XXX	因声场而异 (MIN, STD, MAX)	
<TONE>	BASS XX dB	-6 dB 到 +6 dB (1 dB 步进)	23
	TREB. XX dB	-6 dB 到 +6 dB (1 dB 步进)	
<SET UP>	(SUB WOOFER) S.W. XXX*	YES, NO	13
	(FRONT) XXXXX*	LARGE, SMALL	
	(CENTER) XXXXX*	LARGE, SMALL, NO	
	(SURROUND) XXXXX*	LARGE, SMALL, NO	
	DIST. X.X m	在 1.0 米和 7.0 米之间 (0.1 米步进)	
	DIST. X.X m	在 DIST. 和 1.5 米之间 (0.1 米步进)	
	DIST. X.X m	在 DIST. 和 4.5 米之间 (0.1 米步进)	
	PL. XXXX	LOW, HIGH	
	DVD-XXXX	AUTO, OPT, COAX, ANLG	29
	TV-XXXX	AUTO, OPT, ANLG	
	DEC. XXXX	AUTO, PCM	

* 当您选择 “NORM. SP.” 时仅可使用。

各声场的可调整参数

所调整的 BASS 和 TREB. 参数适用于各声场中。

	TONE	
	< BASS	> TREB.
2CH ST.	●	●
A.F.D. AUTO	●	●
DOLBY PL	●	●
PLII MOV	●	●
PLII MUS	●	●
C.ST.EX A	●	●
C.ST.EX B	●	●
C.ST.EX C	●	●
HALL	●	●
JAZZ	●	●
CONCERT	●	●
PCM 96K ¹⁾		

所调整的 LEVEL 参数适用于所有的声场除了 EFCT. 参数以外。对于 EFCT. 参数，此设定为每个声场单独储存。

	LEVEL						
	< FRONT BAL	CENTER LEVEL	SUR.L. LEVEL	SUR.R. LEVEL	S.W. LEVEL	D.RANGE COMP ²⁾	> EFCT. LEVEL
2CH ST.	●					●	
A.F.D. AUTO	●	●	●	●	●	●	
DOLBY PL	●	●	●	●	●	●	
PLII MOV	●	●	●	●	●	●	
PLII MUS	●	●	●	●	●	●	
C.ST.EX A	●	●	●	●	●	●	●
C.ST.EX B	●	●	●	●	●	●	●
C.ST.EX C	●	●	●	●	●	●	●
HALL	●	●	●	●	● ³⁾	●	●
JAZZ	●	●	●	●	● ³⁾	●	●
CONCERT	●	●	●	●	● ³⁾	●	●
PCM 96K ¹⁾	●						

¹⁾ “PCM 96K” 仅为数字输入信号而出现参数。在此情况下，其它参数则无效。
²⁾ 视信号源或所作的调整而定，这些参数可能不起作用。请参看“调整电平参数”（第 22 页）的各项目以获取详情。
³⁾ 当选取这些声场，如果前扬声器的尺寸被设定为“LARGE”，则重低音扬声器将不会输出声音。但是，如果数字输入信号含有 LFE 信号，声音即从重低音扬声器输出。