

Micro Hi-Fi Component System

Operating Instructions _____ **GB**

使用说明书 _____ **CS**



CMT-VP100

WARNING

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

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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



This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

To prevent fire, do not cover the ventilation of the apparatus with news papers, 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 a battery, dispose it as the injurious wastes.

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This system can play the following discs

	VIDEO CDs	Audio CDs
Disc logo		
Contents	Audio + Video (moving pictures)	Audio
Disc size	12 cm/8 cm	12 cm/8 cm
Play time	74 min./20 min.	74 min./20 min.

Note on VIDEO CDs

This system conforms to VIDEO CDs without PBC functions (Ver. 1.1) and VIDEO CDs with PBC functions (Ver. 2.0) of VIDEO CD standards. You can enjoy two kinds of playback according to the disc type.

Disc type	You can
VIDEO CDs without PBC functions (Ver. 1.1 discs)	Enjoy video playback (moving pictures) as well as audio CDs.
VIDEO CDs with PBC functions (Ver. 2.0 discs)	Play interactive software using menu screens displayed on the TV screen (menu playback), in addition to the video playback function of VIDEO CDs without PBC functions. Moreover, you can play high or standard quality still picture.

* PBC = Play Back Control

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Additional Information

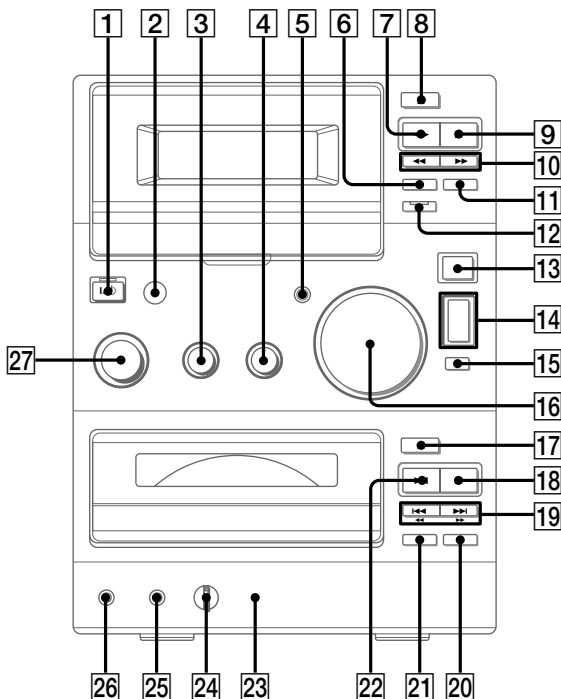
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GB

The items are arranged in alphabetical order.

Refer to the pages indicated in parentheses () for details.

Main unit



BASS **[3]** (20)

CD EJECT **[17]** (9~11)

CD SYNC **[12]** (17, 18)

CD **[22]** (9~13, 28)

CD **[18]** (9~13, 26)

CD **[19]** (10~12)

CD **[19]** (10, 11)

DSG **[5]** (20, 23)

FUNCTION **[27]** (9, 11, 12, 14, 16, 17, 23)

MIC IN jack **[25]** (20)

MIC VOL **[24]** (20)

PBC indicator **[23]** (10, 28)

PHONES jack **[26]**

PLAY MODE **[21]** (9, 11, 12, 18)

Remote sensor **[2]**

REPEAT **[20]** (10, 11)

TAPE EJECT **[8]** (16)

TAPE REC **[6]** (17)

TAPE **[7]** (16~18)

TAPE **[11]** (16~18)

TAPE **[9]** (16~18, 26)

TAPE **[10]** (16)

TREBLE **[4]** (20)

TUNER BAND **[13]** (14, 26)

TUNING MODE **[15]** (14, 15)

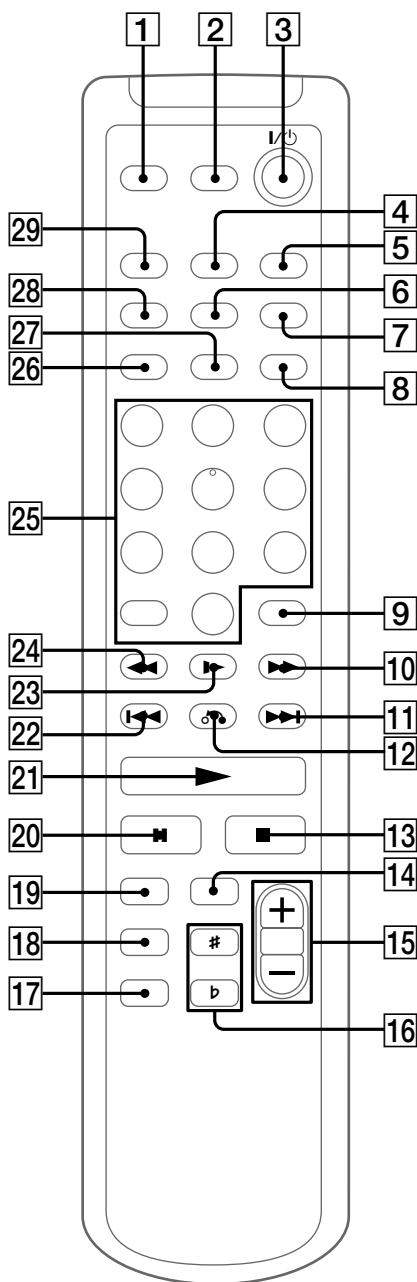
TUNING +/- **[14]** (14, 15)

VOLUME **[16]** (21)

BUTTON DESCRIPTIONS

[1] (power) (7, 14, 18, 21, 23)

Remote Control



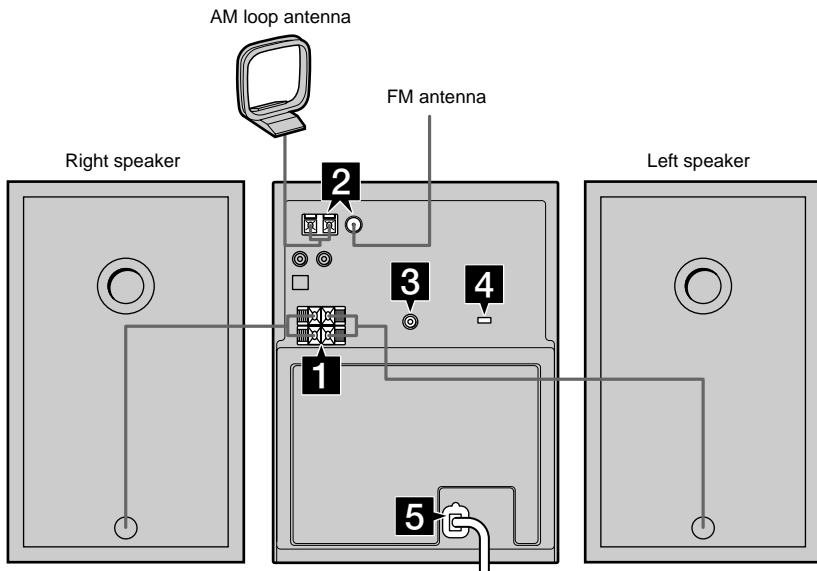
- CD **19** (9, 11)
- CLOCK/TIMER SELECT **4** (19, 22)
- CLOCK/TIMER SET **5** (8, 18, 21)
- DIR MODE **26** (16~18)
- DISPLAY **27** (12)
- ENTER **8** (8, 14, 18, 21)
- FUNCTION **17** (9, 11, 12, 14, 16, 17, 23)
- KEY CONTROL #/b **16** (20)
- K.PON/MPX **9** (20)
- MEMORY **28** (14)
- NEXT **11** (10)
- Numeric buttons **25** (10, 11)
- ON SCREEN **7** (13)
- PREV **22** (10)
- RETURN **12** (10)
- SLEEP **29** (21)
- SLOW **23** (9)
- STEREO/MONO **6** (15)
- TAPE **18** (16)
- TUNER BAND **14** (14)
- TV/VIDEO **1** (7)
- TV **2** (7)
- VOLUME +/- **15** (21)

BUTTON DESCRIPTIONS

- ▶ **21** (9~13, 16~18, 28)
- ⏏ **20** (9, 11, 16~18)
- **13** (9~13, 16~18)
- ◀ **22** (10~12)
- ▶ **11** (10~12)
- ◀ **24** (10, 11, 14~16)
- ▶ **10** (10, 11, 14~16)
- I/⏻ (power) **3** (7, 14, 18, 21)
- + **11** (8, 14, 18, 21)
- **22** (8, 14, 18, 21)

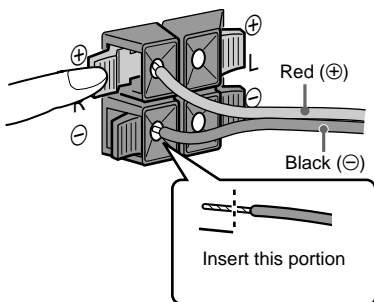
Hooking up the system

Follow steps **1** through **5** of the procedure below to hook up your system using the supplied cords and accessories.



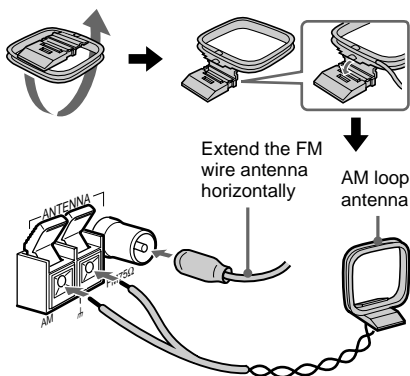
1 Connect the speakers.

Connect the right and left speaker cords to the SPEAKER terminals as shown below.

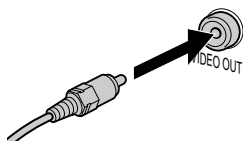


2 Connect the FM and AM antennas.

Set the AM loop antenna up before connecting it.



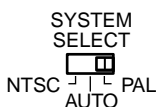
- 3** Connect the VIDEO OUT jack to the video input jack on your TV with the supplied video connecting cord.



When using a TV

Turn on your TV and set the input selector to video input so you can view the pictures from the system.

- 4** Set SYSTEM SELECT (color system) to PAL or NTSC depending on the color system of your TV.



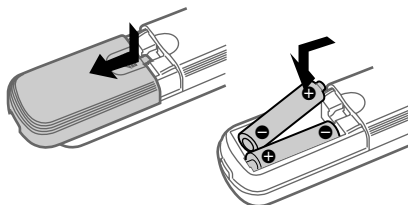
The color system of your TV	Set SYSTEM SELECT to
AUTO (if your TV automatically changes the color system according to the input signal)	AUTO.
NTSC	NTSC.
PAL (the factory setting)	PAL.

- 5** Connect the power cord to a wall outlet.

If the plug does not fit the wall socket, detach the supplied plug adaptor (only for models equipped with an adaptor).

To turn on the system, press **I/⏻**.

Inserting two size-AA (R6) batteries into the remote control



Tip

When the remote no longer operates the system, replace both batteries with new ones.

Note

If you do not use the remote for a long period of time, remove the batteries to prevent possible damage from battery leakage and corrosion.

Using the remote

You can operate a Sony TV set.

To	Press
Turn the TV on or off	TV I/⏻ .
Switch the TV's video input	TV/VIDEO.

Setting the time

- 1 Turn on the system.**
- 2 Press CLOCK/TIMER SET on the remote.**
If you are setting the clock for the first time, go to step 5.
- 3 Press +/- on the remote repeatedly until "SET CLOCK" appears in the display.**
- 4 Press ENTER on the remote.**
The hour indication flashes.
- 5 Press +/- on the remote repeatedly to set the hour.**
- 6 Press ENTER on the remote.**
The minute indication flashes.
- 7 Press +/- on the remote repeatedly to set the minute.**
- 8 Press ENTER on the remote.**
The clock will begin operating.

To reset the system clock
Start over from step 1.

Loading the disc

1 Press CD EJECT ▲.

The disc tray slides out.

2 Load a disc onto the disc tray.

Load with the label side up. When you play a CD/VIDEO CD single (8 cm CD/VIDEO CD), load it onto the inner circle of the tray.



3 Press CD EJECT ▲ again to close the disc tray.

Notes

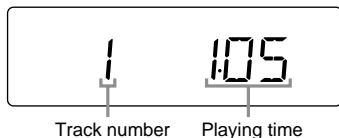
- The disc cannot be viewed through the front window when a CD/VIDEO CD single (8 cm CD/VIDEO CD) is loaded.
- The characters printed on the disc appear upside down when viewed through the front window.

Playing the VIDEO CD

— Normal Play/Shuffle Play/Repeat Play

You can play both VIDEO CDs without PBC functions (Ver. 1.1) and VIDEO CDs with PBC functions (Ver. 2.0).

You can enjoy two kinds of playback according to the disc type. The PBC functions of VIDEO CD (Ver. 2.0) are disabled during Shuffle and Repeat Play.



1 Turn on your TV and select the video input.

2 Turn FUNCTION (or press FUNCTION on the remote repeatedly) until "CD" appears in the display.

The indicator surrounding the CD ►|| and CD ■ buttons lights up.

You can switch the function to CD by pressing the CD button on the remote.

3 Press PLAY MODE repeatedly until the mode you want appears in the display.

Select	To play
No display	The VIDEO CD in original order.
SHUFFLE	The tracks on the VIDEO CD in random order.
PGM	The tracks on the VIDEO CD in any order that you want (see "Programming the CD/VIDEO CD tracks" on page 11).

4 Press CD ►|| (or ► on the remote).

Other Operations

To	Do this
Stop playback	Press CD ■.
Pause	Press CD ► (or on the remote). ^{*1} Press again to resume playback.
Slow playback	Press SLOW ► on the remote repeatedly. The playback speed changes as follows: $\frac{1}{2} \rightarrow \frac{1}{4} \rightarrow \frac{1}{8} \rightarrow \frac{1}{2} \rightarrow$

continued

Playing the VIDEO CD (continued)

To	Do this
Select a track or scene ^{*2}	Press CD ◀◀/▶▶ repeatedly until you find the desired track or scene.
Find a point in a track or scene (Lock Search Function)	During playback, press and hold down CD ◀◀/▶▶ until the system starts searching. ① Press once to start searching. ② Press again to increase the search speed. Each time you press the button, the search speed changes as follows: 1 (slow) → 2 (normal) → 3 (high) → 1 (slow) → ... ③ Press CD ▶▶ (or ▶ on the remote) to stop searching at the desired point.
Remove the VIDEO CD	Press CD EJECT ▲.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during playback until “REPEAT” or “REPEAT 1” appears in the display. REPEAT: For all the tracks on the VIDEO CD. REPEAT 1: For only the currently playing track. To cancel playing repeatedly, press REPEAT repeatedly until “REPEAT” and “REPEAT 1” disappear from the display.

^{*1} The video image may be somewhat unstable.

^{*2} Except during PBC playback of a VIDEO CD with PBC functions (Ver. 2.0). See this page for details on PBC playback.

Playing a VIDEO CD with PBC functions (Ver. 2.0)

— PBC Play

You can use menus on your TV screen to enjoy the disc’s interactive software. The menu format and structure will differ with each disc.

1 Start playing a VIDEO CD with PBC functions (Ver. 2.0).


The PBC indicator lights up and a PBC menu appears on your TV.

The indicator lights up during PBC playback of a VIDEO CD with PBC functions (Ver. 2.0). When the PBC functions are not used (see below), the indicator goes off.

2 Press the numeric button(s) on the remote to select the number that you want from the menu.

3 Follow the menu instructions to enjoy interactive playback.

To	Do this
Stop playback	Press CD ■.
Go to the next scene or track	Press NEXT on the remote.
Go back to the preceding scene or track	Press PREV on the remote.
Go back to a previous menu	Press RETURN ↵ on the remote.
Cancel PBC Playback of a VIDEO CD with PBC functions (Ver. 2.0)	<ul style="list-style-type: none">Before you start playing, select the track you want using CD ◀◀/▶▶, then press CD ▶▶ (or ▶ on the remote).Before you start playing, select the track number using the numeric buttons on the remote. <p>The PBC indicator goes off and playback begins from the selected track. Still images, such as the menu screens, will not be shown.</p>

Tip
When  appears on the TV screen, you have pressed an invalid button.

To enter numbers over 10
(on the remote only)

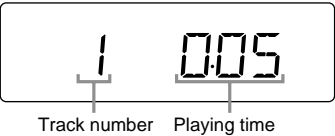
- 1 Press >10.
 - 2 Enter the corresponding digits.
- To enter 0, press 10/0 instead.

Example:
To enter number 30, press >10, then press 3 and 10/0.

Playing the CD

— Normal Play/Shuffle Play/Repeat Play

This system lets you play CDs in different play modes.



- 1 Turn **FUNCTION** (or press **FUNCTION** on the remote repeatedly) until “CD” appears in the display.
The indicator surrounding the CD ►|| and CD ■ buttons lights up.
You can switch the function to CD by pressing the CD button on the remote.
- 2 Press **PLAY MODE** repeatedly until the mode you want appears in the display.

Select	To play
No display	The CD in original order.
SHUFFLE	The tracks on the CD in random order.
PGM	The tracks on the CD in any order that you want (see “Programming the CD/VIDEO CD tracks” on this page).

- 3 Press CD ►|| (or ► on the remote).

Other Operations

To	Do this
Stop playback	Press CD ■.
Pause	Press CD ► (or on the remote). Press again to resume playback.
Select a track	During playback or pause, press CD ◀◀/▶▶ repeatedly until you find the desired track.
Find a point in a track (Lock Search Function)	During playback, press and hold down CD ◀◀/▶▶ until the system starts searching. Press CD ► (or ► on the remote) to stop searching at the desired point.
Remove the CD	Press CD EJECT ▲.
Play repeatedly (Repeat Play)	Press REPEAT repeatedly during playback until “REPEAT” or “REPEAT 1” appears in the display. REPEAT: For all the tracks on the CD. REPEAT 1: For only the currently playing track. To cancel playing repeatedly, press REPEAT repeatedly until “REPEAT” and “REPEAT 1” disappear from the display.

Programming the CD/VIDEO CD tracks

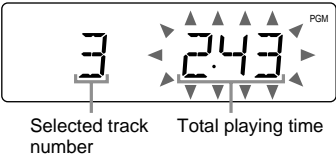
— Program Play

You can make a program of up to 20 tracks on a CD/VIDEO CD in any order that you want. The PBC functions of VIDEO CD (Ver. 2.0) are disabled during Program play.

continued

Programming the CD/VIDEO CD tracks (continued)

- 1 Turn **FUNCTION** (or press **FUNCTION** on the remote repeatedly) until “**CD**” appears in the display.
- 2 Press **PLAY MODE** repeatedly until “**PGM**” appears in the display.
- 3 Press **CD** **◀◀/▶▶** repeatedly until the desired track number appears in the display.



- 4 Press **PLAY MODE**.
The selected track is programmed.
The selection number appears in the display.
- 5 To program additional tracks, repeat steps 3 and 4.
- 6 Press **CD** **▶▶** (or **▶** on the remote).

To	Do this
Cancel Program Play	Press PLAY MODE repeatedly until “ PGM ” disappears from the display.
Add a track to the end of the program	Do steps 3 and 4 with Program Play stopped.
Erase the entire program	Press CD ■ with Program Play stopped.

Tips

- The program you made remains after Program Play finishes. To play the program again, switch the function to **CD**, and then press **CD** **▶▶** (or **▶** on the remote).
- “--:--” appears in the display when the total program time exceeds 100 minutes.

Using the VIDEO CD/CD display

Press **DISPLAY on the remote repeatedly.**
The display changes as follows:

During normal playback
Current track number and elapsed playing time of the track → Current track number and remaining playing time of the track → Remaining playing time of the entire CD/VIDEO CD → Clock display → Current track number and elapsed playing time of the track →

(VIDEO CD with PBC functions (Ver. 2.0))
Elapsed playing time of the current track* ↔ Clock display

* This may not appear when displaying still images, etc.

While the VIDEO CD/CD is stopped
Total number of tracks and total playing time → Clock display → Current source display → Total number of tracks and total playing time →

Note
If the CD/VIDEO CD contains 21 tracks or more, the remaining playing time of the current track will appear as “--:--” for each track starting with the 21st.

Using the on-screen display

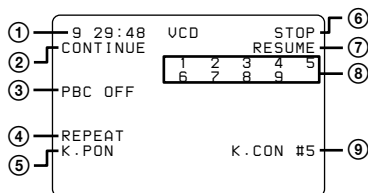
You can check the current operating status and disc information for VIDEO CDs and audio CDs while the VIDEO CD/CD is playing or stopped.

Press ON SCREEN on the remote.

The on-screen display changes as follows:

ON SCREEN ON ↔ ON SCREEN OFF

ON SCREEN ON display



①

When	The display shows
The VIDEO CD/CD is stopped	Total number of tracks and total playing time of disc
The VIDEO CD/CD is playing	Current track number and elapsed playing time of the track

② Play mode*

* In Program Play, the selection number and programmed track number appears below.

③ “PBC ON”*, “PBC OFF” or no display

* “PBC ON” is displayed for a VIDEO CD with PBC functions.

④ “REPEAT”, “REPEAT 1” or no display

⑤ Karaoke effect status

⑥

When	The display shows
The VIDEO CD/CD is stopped	STOP
The VIDEO CD/CD is playing	PLAY

⑦ “RESUME” or no display

⑧ Music calendar* or no display

* Track numbers disappear from the music calendar after they are played.

When the PBC functions are not used, the music calendar appears only while the VIDEO CD is stopped.

⑨ Key control (b 8 ~ 0 ~ # 8) or no display

Tip

Depending on the condition, some items are displayed, while others are not.

Resuming VIDEO CD playback from the point last stopped at

— Resume Play

This function cannot be used with an audio CD.

1 While playing a VIDEO CD, press CD ■ to stop playback.

“RESUME” appears on your TV screen. If “RESUME” does not appear, Resume Play is not available.

2 Press CD ►II (or ► on the remote).

To view from the beginning of the VIDEO CD

When “RESUME” appears in the display, press CD ■, then press CD ►II (or ► on the remote).

Notes

- Resume Play is not available in Shuffle or Program Play, or during PBC playback of a VIDEO CD with PBC functions (Ver. 2.0).
- Depending on where you stopped the VIDEO CD, the system may resume playback from a different point.
- Resume Play is cancelled when:
 - you press a numeric button on the remote, PLAY MODE, or CD ■.
 - you remove the VIDEO CD.
 - you disconnect the power cord.
 - you turn off the system.

Presetting radio stations

The system can store a total of 30 preset stations (20 for FM and 10 for AM).

- 1 Turn **FUNCTION** (or press **FUNCTION** on the remote repeatedly) until **"TUNER"** appears in the display.

The indicator surrounding the TUNER BAND button lights up.

- 2 Press **TUNER BAND** to select FM or AM.

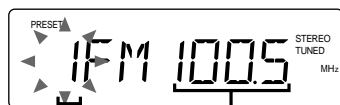
- 3 Press **TUNING MODE** repeatedly until **"AUTO"** appears in the display.

- 4 Press **TUNING +/-** (or **◀◀/▶▶** on the remote).

The frequency changes as the system scans for a station. Scanning stops automatically when a station is tuned in. At that time, **"TUNED"** and **"STEREO"** (for stereo program only) appear.

- 5 Press **MEMORY** on the remote.

A preset number flashes.



Preset number

Frequency

- 6 Press **+/-** on the remote repeatedly to select the preset number that you want.

- 7 Press **ENTER** on the remote.

The station is stored to the selected preset number.

- 8 Repeat steps 2 through 7 to preset other stations.

To tune in a weak station

In step 3, press **TUNING MODE** repeatedly until **"AUTO"** and **"PRESET"** disappear from the display, then press **TUNING +/-** (or **◀◀/▶▶** on the remote) repeatedly to tune in the station.

To change the preset number

Start over from step 2.

Tip

The preset stations are saved in the system's memory for about a day even if you disconnect the power cord or a power failure occurs.

Listening to the radio

— Preset Tuning

Presetting radio stations in the system's memory in advance make it easy to tune in those stations later (see "Presetting radio stations" on this page).

- 1 Turn **FUNCTION** (or press **FUNCTION** on the remote repeatedly) until **"TUNER"** appears in the display.

- 2 Press **TUNER BAND** to select FM or AM.

- 3 Press **TUNING MODE** repeatedly until **"PRESET"** appears in the display.

- 4 Press **TUNING +/-** (or **◀◀/▶▶** on the remote) repeatedly to display the preset number of the desired station.

To turn off the radio

Press **I/⏻**.

To tune in a non-preset radio station

In step 3, press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear from the display, then press TUNING +/- (or ◀◀/▶▶ on the remote) repeatedly to tune in the desired station (Manual Tuning).

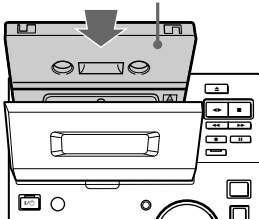
Tips

- If there is static during an FM broadcast, press STEREO/MONO on the remote until “MONO” appears in the display. After “MONO” scrolls across the display, the frequency will appear. The broadcast will no longer be in stereo, but the reception will improve.
- To improve the reception, adjust the supplied antennas or connect an external antenna.

Loading a tape

- 1 Press **TAPE EJECT** ▲.
- 2 Load a recorded/recordable tape into the cassette holder.

With the side you want to play/record on facing towards you



Playing a tape

You can use Type I (normal) tape.

- 1 Load a recorded tape into the cassette holder.
- 2 Turn **FUNCTION** (or press **FUNCTION** on the remote repeatedly) until “TAPE” appears in the display.

The indicator surrounding the TAPE ◀▶ and TAPE ■ buttons lights up.

You can switch the function to TAPE by pressing the TAPE button on the remote.

- 3 Press **DIR MODE** on the remote repeatedly to select “↔” to play one side of the tape, “↔↔” to play both sides, or “↔↔”* to play both sides repeatedly.

* The tape automatically stops after playing back five times.

- 4 Press **TAPE** ◀▶ (or ▶ on the remote). Press TAPE ◀▶ (or ▶ on the remote) again to play the reverse side. The tape starts playing back.

Other Operations

To	Do this
Stop playback	Press TAPE ■.
Pause	Press TAPE . Press again to resume playback.
Fast-forward or rewind	With the tape stopped, press TAPE ◀◀/▶▶.
Remove the tape	Press TAPE EJECT ▲.

Recording to a tape

— CD Synchro Recording/Recording Manually/Program Edit

You can record from a CD/VIDEO CD, radio or any of the connected components. You can use Type I (normal) tape.

Steps	Recording from a CD/VIDEO CD (CD Synchro Recording)	Recording manually
1	Load a recordable tape into the cassette holder.	
2	Load a disc onto the disc tray.	Turn FUNCTION (or press FUNCTION on the remote repeatedly) to select the source you want to record from.
3	Turn FUNCTION (or press FUNCTION on the remote repeatedly) until "CD" appears in the display.	Load a disc or tune in the desired station.
4	Press CD SYNC.	Press TAPE REC ●.
	The tape stands by for recording. "REC" and "▶" (or "◀") appear. To start recording on the side facing away from you, press TAPE ◀▶ until "REC▶" changes to "◀REC."	
5	Press DIR MODE on the remote repeatedly to select "↔" to record on one side of the tape, or "↔▶" or "◀↔" to record on both sides.	
6	Press TAPE II.	Press TAPE II, and then start playing the desired source.

To stop recording

Press TAPE ■.

Tip

For recording manually:
To pause recording, press TAPE II.

continued

Tape

Recording to a tape (continued)

Recording CD/VIDEO CD tracks in your favorite order

— Program Edit

The PBC functions of VIDEO CD (Ver. 2.0) are disabled during Program Edit.

- 1 **Load a recordable tape into the cassette holder.**
- 2 **Load a disc onto the disc tray.**
- 3 **Do steps 1 through 5 in Program Play (see page 11).**
- 4 **Press CD SYNC.**

The tape stands by for recording and the VIDEO CD/CD stands by for playback. “REC” and “▶” (or “◀”) appear, and the CD SYNC indicator lights up.

To start recording on the side facing away from you, press TAPE ◀▶ (or ▶▶ on the remote) until “REC▶” changes to “◀REC.”
- 5 **Press DIR MODE on the remote repeatedly to select “↔” to record on one side of the tape, or “↔▶” or “◀↔” to record on both sides.**
- 6 **Press TAPE ■.**

To	Do this
Stop recording	Press TAPE ■.
Cancel Program Edit	Press PLAY MODE repeatedly until “PGM” disappears from the display.

Timer-recording radio programs

To timer-record, make sure that you have set the system clock correctly (see “Setting the time” on page 8) and preset the radio station (see “Presetting radio stations” on page 14).

- 1 **Tune in the desired preset radio station (see “Listening to the radio” on page 14).**
- 2 **Load a recordable tape.**
- 3 **Press CLOCK/TIMER SET on the remote.**
- 4 **Press +/- on the remote repeatedly until “SET REC” appears in the display.**

“SET REC” scrolls and “⌚ REC” appears in the display.
- 5 **Press ENTER on the remote.**

“ON TIME” appears, then the hour indication flashes.
- 6 **Set the starting time.**

Press +/- on the remote repeatedly to set the hour, then press ENTER on the remote. The minute indication begins flashing next. Press +/- on the remote repeatedly to set the minute, then press ENTER on the remote. “OFF TIME” appears, then the hour indication flashes again.
- 7 **Set the stopping time by repeating step 6.**

The start time, the stopping time, “TUNER”, and the preset station appear in turn, then the original display returns.
- 8 **Press I/⏻ to turn off the system.**

When the recording starts, the volume level is automatically set to the minimum.

To	Do this
Check the settings	Press CLOCK/TIMER SELECT on the remote repeatedly until “⊖ REC” appears in the display. The preset items appear in turn.
Turn off the timer	Press CLOCK/TIMER SELECT on the remote repeatedly until “⊖ REC” disappears from the display.

Tip

Once you set the timer, the time settings will remain in the system's memory until you change them, even when you turn the system or the timer off. The settings that were last used will be in effect when you turn the timer on again.

Notes

- The system will turn on 15 seconds before the specified starting time.
- If the system is turned on at the specified starting time, recording will not occur.
- When you have set the Sleep Timer, the timer recording will not operate until the Sleep Timer Function is turned off.

Adjusting the sound

Generating a more dynamic sound
(Dynamic Sound Generator)

Press DSG.
To cancel the DSG, press DSG again.

Adjusting the bass
Turn BASS.
You can adjust the bass in 7 steps.

Adjusting the treble
Turn TREBLE.
You can adjust the treble in 7 steps.

Singing along: Karaoke

Do the procedure below to suppress the singer’s voice on any stereo CD/VIDEO CD in order to sing along.

- 1 Turn MIC VOL to 0 to turn down the microphone volume level.
- 2 Connect an optional microphone to MIC IN.
- 3 Press K.PON/MPX on the remote repeatedly to obtain the karaoke effect you want.
The display changes as follows:
K_PON → MPX R → MPX L → STEREO → K_PON →
To use the Karaoke Function, choose “K_PON” (KARAOKE PON); choose “MPX R” or “MPX L” for multiplexed CDs/VIDEO CDs.
- 4 Start playing the music.
- 5 Adjust the microphone volume by turning MIC VOL.

To	Do this
Cancel the Karaoke Function	Turn MIC VOL to 0 and disconnect the microphone from MIC IN, then press K.PON/MPX on the remote repeatedly until “STEREO” appears.
Adjust the key	Press KEY CONTROL #/b on the remote repeatedly. You can adjust the key in 17 steps.

Note
With some songs, the volume of vocals may not be suppressed when you select “K_PON”.

Falling asleep to music

— Sleep Timer

The Sleep Timer Function lets you specify a sleep time, after which the system stops playing and turns off automatically. You can thus fall asleep to music.

Press SLEEP on the remote repeatedly.

The sleep time changes as follows:

AUTO* → 90MIN → 80MIN → 70MIN → ... → 10MIN → OFF → AUTO* → ...

* The system turns off after the current CD/VIDEO CD or tape finishes playing (up to 100 minutes). The system also turns off when you manually stop the VIDEO CD/CD or tape.

To	Press
Check the remaining sleep time	SLEEP on the remote once.
Change the sleep time	SLEEP on the remote repeatedly until the time you want appears.
Cancel the Sleep Timer Function	SLEEP on the remote repeatedly until "OFF" appears.

Waking up to music

— Daily Timer

By setting the Daily Timer, you can make the system automatically turn on and off at specified times. To use this function, make sure that you have set the system clock correctly (see "Setting the time" on page 8).

1 Prepare the music source you want to listen to when the system turns on.

- CD/VIDEO CD: Load a disc.
- Tape: Load a tape with the side you want to play facing towards you.
- Radio: Tune in the preset radio station that you want (see "Listening to the radio" on page 14).

2 Adjust the volume.

3 Press CLOCK/TIMER SET on the remote.

4 Press +/- on the remote repeatedly until "SET DAILY" appears in the display.

"SET DAILY" scrolls and "⌚ DAILY" appears in the display.

5 Press ENTER on the remote.

"ON TIME" appears, then the hour indication flashes.

6 Set the starting time.

Press +/- on the remote repeatedly to set the hour, then press ENTER on the remote.

The minute indication begins flashing next.

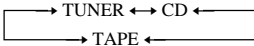
Press +/- on the remote repeatedly to set the minute, then press ENTER on the remote.

"OFF TIME" appears, then the hour indication flashes again.

7 Set the stopping time by repeating step 6.

8 Press +/- on the remote repeatedly until the music source you want appears.

The display changes as follows:



9 Press ENTER on the remote.

The starting time, the stopping time, and the music source appear in turn, then the original display returns.

10 Press I/P to turn off the system.

continued

Waking up to music (continued)

To	Do this
Check the settings	Press CLOCK/TIMER SELECT on the remote repeatedly until “☹ DAILY” appears in the display. The preset items appear in turn.
Turn off the timer	Press CLOCK/TIMER SELECT on the remote repeatedly until “☹ DAILY” disappears from the display.

Tip

Once you set the timer, the time settings will remain in the system’s memory until you change them, even when you turn the system or the timer off. The settings that were last used will be in effect when you turn the timer on again.

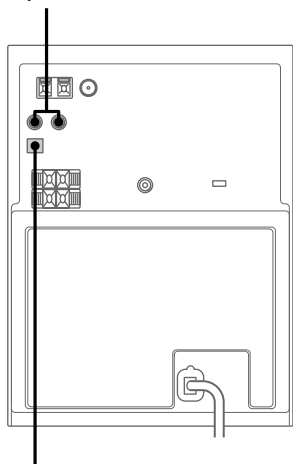
Notes

- The system will turn on 15 seconds before the specified starting time.
- When you have set the Sleep Timer, the Daily Timer will not operate until the Sleep Timer Function is turned off.

Hooking up the optional components

You can connect a variety of components to your system in order to enhance it. Make sure that the color of the plugs matches that of the connectors.

To the audio output jacks
on your MD deck/VCR



To the digital input connector
on your MD deck*

* If the jack is covered with a cap, remove it before use.

To	Do This
Make a digital recording from CD to MD	Connect the optical cable.
Listen to the connected MD deck	Turn FUNCTION (or press FUNCTION on the remote repeatedly) until “MD” appears in the display.
Listen to the connected VCR	Turn FUNCTION (or press FUNCTION on the remote repeatedly) until “VIDEO” appears in the display.

Note
You cannot make a digital recording from a VIDEO CD to an MD deck through the optical cable.

Tip
If you cannot select “VIDEO” by turning FUNCTION (or press FUNCTION on the remote repeatedly), press I/⏮ while pressing down DSG in standby mode. The function will change from “MD” to “VIDEO”, and “VIDEO” will appear in the display. To change back to “MD”, repeat this procedure.

Precautions

On operating voltage

Before operating the system, check that the operating voltage of your system is identical with the voltage of your local power supply.

On safety

- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it will not be used for an extended period of time. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

On placement

- Do not place the system in an inclined position.
- Do not place the system in locations where it is:
 - Extremely hot or cold
 - Dusty or dirty
 - Very humid
 - Subject to vibrations
 - Subject to direct sunlight

On heat buildup

- Although the unit heats up during operation, this is not a malfunction.
- Place the system in a location with adequate ventilation to prevent heat build-up in the system.

If you continuously use this system at a large volume, the cabinet temperature of the top, side and bottom rises considerably. To avoid burning yourself, do not touch the cabinet.

To prevent a malfunction, do not cover the ventilation hole for the cooling fan.

On operation

- If the system is brought directly from a cold place to a warm place, or is placed in a very damp room, moisture may condense on the lens inside the VIDEO CD/CD player. Should this occur, the system will not operate properly. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.
- When moving the unit, remove any disc that may be on the disc tray.

If you have any questions or problems concerning your system, please consult your nearest Sony dealer.

Notes on CDs/VIDEO CDs

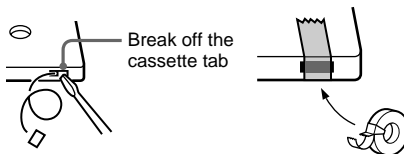
- Before playing a disc, clean the disc surface with a cleaning cloth. Wipe the disc from the center out.
- Do not play a disc with tape, stickers, or adhesives on any of its surfaces as this may damage the system.
- Do not use solvents.
- Do not expose the discs to direct sunlight or heat sources.
- Discs with non-standard shapes (e.g., heart, square, star) cannot be played on this system. Attempting to do so may damage the system. Do not use such discs.

Cleaning the cabinet

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

To save a tape permanently

To prevent a tape from being accidentally recorded over, break off the cassette tabs from side A or side B as illustrated.



If you later want to reuse the tape for recording, cover the broken tab with adhesive tape.

Before placing a cassette in the tape deck

Take up any slack in the tape. Otherwise the tape may get entangled in the tape deck's playing mechanism and become damaged.

When using a tape longer than 90 minutes

The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding etc. too frequently. The tape may get entangled in the tape deck's playing mechanism.

Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Make sure to clean the tape heads before making an important recording or after playing an old tape. Use a commercially available dry-type or wet-type cleaning cassette. For details, refer to the instructions of the cleaning cassette.

Demagnetizing the tape heads

Demagnetize the tape heads and the metal parts that have contact with the tape after every 20 to 30 hours of use with a commercially available demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

In case color irregularity is observed on nearby a TV screen

With the magnetically shielded type of speaker system, the speakers can be installed near a TV set. However, color irregularity may still be observed on the TV screen depending on the type of your TV set.

If color irregularity is observed...

Turn off the TV set once, then turn it on after 15 to 30 minutes.

If color irregularity is observed again...

Place the speakers farther away from the TV set.

Troubleshooting

Should you encounter a problem with your system, do the following:

- 1 Make sure the power cord and speaker cords are correctly and firmly connected.
- 2 Find your problem in the troubleshooting checklist below and take the indicated corrective action.

If the problem persists after doing all of the above, consult your nearest Sony dealer.

General

There is no sound from the speakers.

- Adjust the volume.
- The headphones are connected.
- Check the speaker connections.

There is severe hum or noise.

- A TV or VCR is placed too close to the unit. Move the unit away from the TV or VCR.

"AM 12:00" flashes in the display.

- A power interruption has occurred. Set the clock (see page 8) and timer settings (see pages 18 and 21) again.

The timer does not function.

- Make sure the clock is correctly set (see page 8).
- You cannot operate the Daily Timer and the timer recording at the same time.

"⊖ DAILY" and "⊖ REC" do not appear when you press CLOCK/TIMER SELECT on the remote.

- Make sure each timer is correctly set (see pages 18 and 21).
- Make sure the clock is correctly set (see page 8).

The color on the TV screen is irregular.

- Move the speakers farther away from the TV set.

The remote does not work.

- There is an obstacle between the remote and the unit.
- You are not pointing the remote in the direction of the system's sensor.
- The batteries in the remote have run down. Replace the batteries.
- Make sure that the batteries are inserted correctly.

Speakers

Sound comes from only one channel, or the left and right volumes are unbalanced.

- Check the speaker connections and placement.

continued

Troubleshooting (continued)

VIDEO CD/CD Player

There is no picture.

- Check that the system is connected securely.
- Make sure that you have operated the TV correctly.
- Make sure that you have set the SYSTEM SELECT to proper setting for the color system of your TV.
- Turn FUNCTION to switch to the VIDEO CD/CD function.

The VIDEO CD/CD will not play.

- The disc is dirty.
- The surface of the disc is scratched. Replace the disc.
- The disc is not loaded properly.
- The disc is loaded with the label side down.
- Condensation has built up in the system. Remove the disc and leave the system turned on for about an hour until the moisture evaporates.

Play does not start from the first track.

- The player is in Program or Shuffle Play. Press PLAY MODE repeatedly until "PGM" and "SHUFFLE" disappear.

Tape Deck

Recording cannot be done.

- There is no tape in the cassette holder.
- The record protect tab has been removed from the cassette (see page 24).
- The tape has come to the end.

The tape does not record or play, or there is a decrease in sound level.

- The heads are dirty. Clean them (see page 25).
- The record/playback heads are magnetized. Demagnetize them (see page 25).

The tape does not erase completely.

- The record/playback heads are magnetized. Demagnetize them (see page 25).

There is excessive wow or flutter, or the sound drops out.

- The capstans or pinch rollers are dirty. Clean them (see page 25).

Noise increases or the high frequencies are missing.

- The record/playback heads are magnetized. Demagnetize them (see page 25).

Tuner

There is a severe hum or noise ("TUNED" or "STEREO" flashes).

- Adjust the antenna.
- The signal strength is too weak. Connect an external antenna.
- Make sure that the antenna is connected properly.
- Do not bend or roll up the antenna.
- The two wires comprising the FM antenna have been pulled further apart since the system was first purchased. Repair or replace with a new one.
- The AM antenna wire is detached from the stand.
- Keep the antennas as far away from the speaker cords as possible.

A stereo FM program cannot be received in stereo.

- Press STEREO/MONO on the remote until "STEREO" appears in the display.

Resetting the system

With the system turned on, press TAPE ■, CD ■ and TUNER BAND at the same time.

The system is reset to the factory settings. All previous settings are cleared and must be set again.

Messages

One of the following messages may appear or flash in the display during operations.

NO DISC

- There is no disc on the disc tray.

PGM FULL

- You try to program 21 tracks or more.

Specifications

Amplifier section

The following measured at 230 V AC, 60 Hz
 DIN power output (rated): 27 + 27 W
 (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
 32 + 32 W
 (6 ohms at 1 kHz, 10% THD)

The following measured at 220 V AC, 60 Hz
 DIN power output (rated): 23 + 23 W
 (6 ohms at 1 kHz, DIN)

Continuous RMS power output (reference):
 26 + 26 W
 (6 ohms at 1 kHz, 10% THD)

Inputs

AUDIO IN MD (VIDEO) (phono jacks):
 Sensitivity 500/250 mV,
 impedance 47 kilohms
 MIC IN (minijack):
 Sensitivity 1 mV,
 impedance 10 kilohms

Outputs

OPTICAL DIGITAL OUT (CD):
 Optical
 VIDEO OUT (phono jack):
 max. output level 1 Vp-p,
 unbalanced, Sync
 negative, load impedance
 75 ohms
 PHONES (stereo minijack):
 Accepts headphones with
 an impedance of 8 ohms
 or more

VIDEO CD/CD player section

System Compact disc and digital
 audio and video system
 Laser Semiconductor laser
 ($\lambda = 780$ nm)
 Emission
 duration: continuous
 Wavelength 780 - 790 nm
 Video color system format
 NTSC, PAL

OPTICAL DIGITAL OUT (CD)
 (Square optical connector jack, rear panel)
 Wavelength 660 nm
 Output Level -18 dBm

Tape player section

Recording system 4-track 2-channel stereo
 Frequency response 50 - 13,000 Hz (± 3 dB),
 using a Sony TYPE I
 cassette
 Wow and flutter $\pm 0.15\%$ W. Peak (IEC)
 0.1% W. RMS (NAB)
 $\pm 0.2\%$ W. Peak (DIN)

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108.0 MHz
 (50-kHz step)
 Antenna FM wire antenna
 Antenna terminals 75 ohm unbalanced
 Intermediate frequency 10.7 MHz

AM tuner section

Tuning range 531 - 1,602 kHz
 (with the tuning interval
 set at 9 kHz)
 Antenna AM loop antenna, external
 antenna terminal
 Intermediate frequency 450 kHz

Speakers

Speaker system Two-way, bass reflex
 system, magnetically
 shielded type
 Speaker units 12 cm dia., cone type
 woofer
 2.5 cm dia., semi-dome-
 type tweeter
 Rated impedance 6 ohms
 Dimensions (w/h/d) Approx. 150 × 252 ×
 252 mm
 Mass Approx. 2.9 kg net per
 speaker

continued

Specifications (continued)

General

Power requirements	220 V AC, 50/60 Hz
Power consumption	75 W
Dimensions (w/h/d)	Approx. 190 × 252 × 345 mm incl. projecting parts and controls
Mass	Approx. 5.6 kg
Supplied accessories	Remote commander (1) AM loop antenna (1) FM wire antenna (1) Batteries (2) Video connecting cord (1)

Design and specifications are subject to change without notice.

Glossary

Auto Pause

An automatically pauses according to the signal encoded on the disc while playing a VIDEO CD. If the VIDEO CD/CD player does not resume play for a long time, press CD ►|| (or ► on the remote) to resume play manually.

Menu Playback

Playback using the menu screens recorded on VIDEO CDs with PBC functions. You can enjoy simple interactive software using the menu playback function.

Playback Control (PBC)

Signals encoded on VIDEO CDs (Version 2.0) to control playback.

By using menu screens recorded on VIDEO CDs with PBC functions, you can enjoy playing simple interactive software, software with search functions, and so on.

When you select a VIDEO CD with PBC functions on this system, the PBC indicator lights up.

Track

Sections of a picture or a music piece on disc. Each track is assigned with a track number to help you locate the track you want.

VIDEO CD

A compact disc which contains moving pictures.

VIDEO CDs contain compact picture information using the MPEG 1 format, one of the world wide standards of digital compact technology. The picture information is compressed about 120 times. Consequently, a 12 cm VIDEO CD can contain up to 74 minutes of moving pictures.

VIDEO CDs also contain compact audio information. Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed. VIDEO CDs can hold six times the audio information of conventional audio CDs. There are two versions for VIDEO CDs: Version 1.1 (VIDEO CDs without PBC functions):

You can play only moving pictures and sounds. Version 2.0 (VIDEO CDs with PBC functions): You can play still pictures and enjoy PBC functions.

This system conforms to both versions.

警告

为防火灾或触电危险，请勿将机器暴露于雨中或潮湿处。

为避免触电，请勿打开机壳。维修，务请找持有资格者为您服务。

不要把设备安装在例如书橱或壁橱等密不通风的地方。



本装置归属于一类激光 (CLASS 1 LASER) 产品。在装置的外侧有一类激光产品的标记 (CLASS 1 LASER PRODUCT)。

为防火灾，请别在装置的通风孔上盖住报纸，餐巾，窗帘等。也别点着蜡烛放在装置上。



为免发生火灾或触电危险，请别在装置上面放置例如花瓶等装满了水的东西。



别随便抛弃电池。必须当有害垃圾处理。

上海索广电子有限公司
上海市 闵行区 剑川路 930 号

本系统可以播放下列各种光盘

	VIDEO CD	音响 CD
光盘字标		
光盘内容	音响 + 图像 (电影)	音响
光盘尺寸	12 cm/8 cm	12 cm/8 cm
播放时间	74 分钟/20 分钟	74 分钟/20 分钟

VIDEO CD 须知

本系统符合不带 PBC 功能的 VIDEO CD (1.1 版) 和带 PBC 功能的 VIDEO CD (2.0 版) 的 VIDEO CD 标准。您可以根据光盘类型欣赏两种不同的放影方式。

光盘类型	您可以
不带 PBC 功能的 VIDEO CD (1.1 版光盘)	欣赏图像放演 (电影) 和音响 CD。
带 PBC 功能的 VIDEO CD (2.0 版光盘)	用显示在电视屏幕上的菜单画面穿插播放软件 (菜单放影)，当然也可以进行与不带 PBC 功能的 VIDEO CD 一样的放影。 而且还可播放高像质或标准质量的静像。

* PBC=放演控制

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选购件组成机

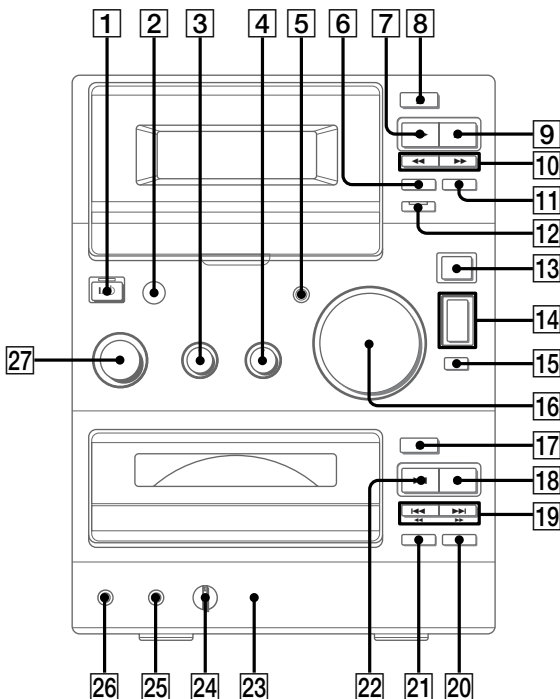
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详细请参考括弧 () 内所指页次。

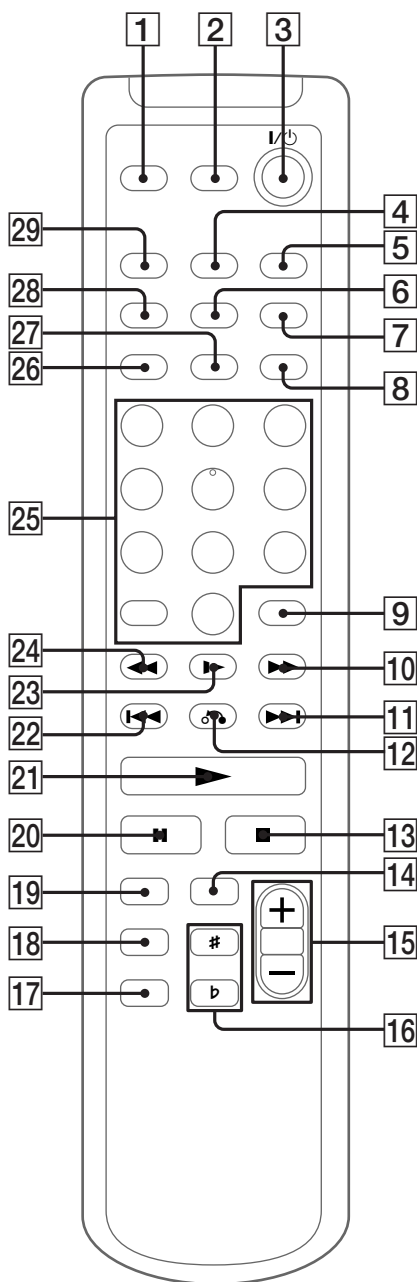
主机



BASS (低音) 3 (20)
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CD SYNC (CD 同步) 12 (17, 18)
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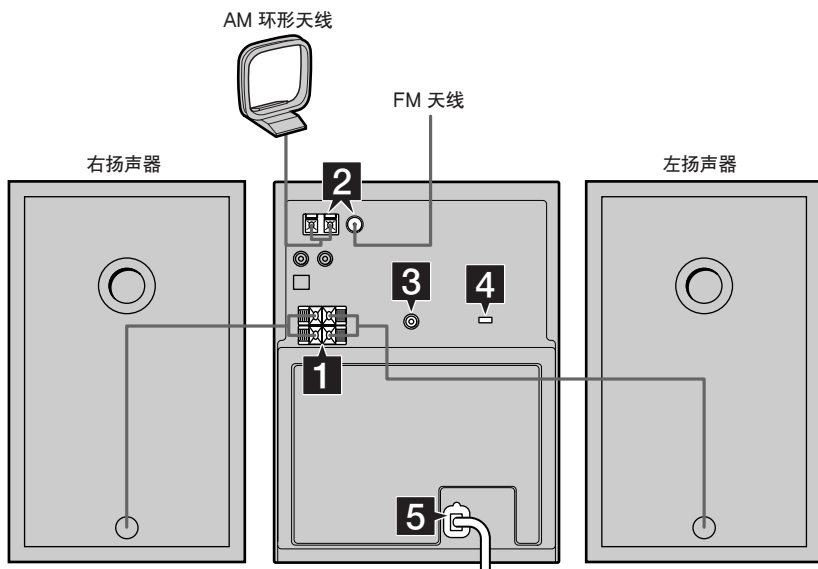
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 SLEEP (睡眠) **29** (21)
 SLOW (慢走带) **23** (9)
 STEREO/MONO (立体声/单耳声) **6** (15)
 TAPE (磁带) **18** (16)
 TUNER BAND (调谐器波段) **14** (14)
 TV/VIDEO (电视机/录像机) **1** (7)
 TV I/O (电视机电源) **2** (7)
 VOLUME +/- (音量) **15** (21)
 数字按钮 **25** (10, 11)

按钮说明

- ▶ **21** (9~13, 16~18, 28)
 ■ **20** (9, 11, 16~18)
 ■ **13** (9~13, 16~18)
 ◀ **22** (10~12)
 ▶ **11** (10~12)
 ◀ **24** (10, 11, 14~16)
 ▶ **10** (10, 11, 14~16)
 I/O (电源) **3** (7, 14, 18, 21)
 + **11** (8, 14, 18, 21)
 - **22** (8, 14, 18, 21)

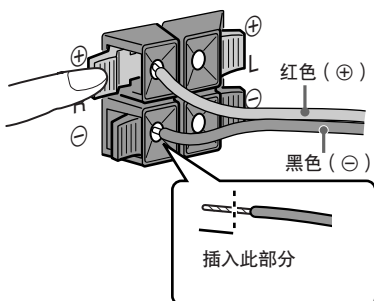
联结系统

按照下列步骤 **1** 到 **5** 所述方法，用附带的导线和附件联结上您的系统。



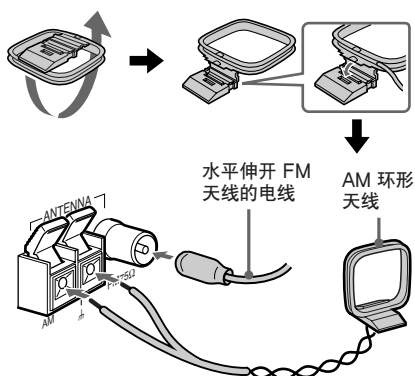
1 连接扬声器。

将左、右扬声器导线如下图所示地连接到 SPEAKER 端子。

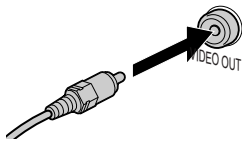


2 连接 FM 和 AM 天线。

连接前，请先调定好 AM 环形天线。



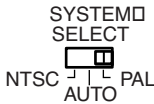
- 3 用附带的视频连接导线将 VIDEO OUT 插孔连接到电视机的视频输入插孔。



使用电视机时

打开电视机的电源并将输入选择器设定为视频输入，使能观看来自本系统的影像。

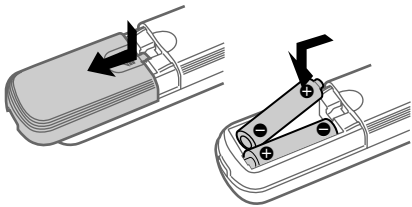
- 4 将 SYSTEM SELECT（彩色系统）开关设定于与电视机彩色系统对应的 PAL 或 NTSC。



您电视机的彩色系统	把 SYSTEM SELECT 设定为
AUTO（如果您的电视机能根据输入信号自动地改变彩色系统，则请设定于）	AUTO。
NTSC	NTSC。
PAL（工厂设定）	PAL。

- 5 将电源线连接到墙上电源插座。
- 如果插头不适合插座，可接上附带的插头转接器（备有插头转接器的型号为限）。
- 要打开系统电源时，请按 I/⏻。

装入两个 AA，3 号 (R6) 电池于遥控器



要领
当遥控器不起控制系统的作用时，即请换两个新电池。

注
长时间不用遥控器时，须取出电池保管以免因电池漏液而发生腐蚀作用。

使用遥控器
您可操作 Sony 电视机。

要	请
开，关电视机的电源	TV I/⏻。
转换电视机的视频输入	TV/VIDEO。

准备应用

设定时间

- 1** 打开系统电源。
- 2** 按遥控器上的 CLOCK/TIMER SET。
如果是第一次设定时钟，则请跳到步骤 5。
- 3** 反复按遥控器上的 +/- 至显示器中出现“SET CLOCK”。
- 4** 按遥控器上的 ENTER。
点钟指示即起闪烁。
- 5** 反复按遥控器上的 +/- 以设定点钟。
- 6** 按遥控器上的 ENTER。
分钟指示即起闪烁。
- 7** 反复按遥控器上的 +/- 以设定分钟。
- 8** 按遥控器上的 ENTER。
时钟即开始运转。

要重调系统的时钟时

请再从步骤 1 开始作。

装上光盘

1 按 CD EJECT ▲。

即滑出光盘托盘。

2 在光盘托盘上装上光盘。

让贴标签面朝上地装放。放单曲 CD/VIDEO CD (8 cm CD/VIDEO CD) 时, 请装到托盘的内圈。



3 再按一次 CD EJECT ▲ 以关上光盘托盘。

注

- 装了单曲版 CD/VIDEO CD (8 cm CD/VIDEO CD) 时是不能从前窗看到光盘的。
- 从前窗看光盘时, 印在光盘上的图符是倒过来的。

播放 VIDEO CD

— 正常播放 / 任意顺序播放 / 反复播放

本机可以播放不带 PBC 功能的 VIDEO CD (1.1 版) 和带 PBC 功能的 VIDEO CD (2.0 版)。

您可以依光盘类型选用两种放像方式。在任意顺序和反复播放中, VIDEO CD (2.0 版) 的 PBC 功能是不起作用的。



1 打开电视机电源并选择视频输入。

2 旋转 FUNCTION (或反复按遥控器上的 FUNCTION) 至 “CD” 出现于显示器。即点亮 CD ►|| 和 CD ■ 周围的指示灯。可按遥控器上的 CD 按钮把功能切换为 CD。

3 反复按 PLAY MODE 至所要模式出现于显示器。

选择	播放
无显示	按照 VIDEO CD 原来的顺序播放。
SHUFFLE (任意顺序)	以 VIDEO CD 上曲子的任意顺序播放。
PGM (程序)	以 VIDEO CD 上曲子的任意所要一定顺序播放 (参看 11 页的 “给 CD/VIDEO CD 中曲子编程序”)。

4 按 CD ►|| (或遥控器上的 ►)。

其它操作

要	请
停止播放	按 CD ■。
暂停	按 CD ► (或遥控器上的)。*1 再按一次以恢复放音。
慢动播放	反复按遥控器上的 SLOW ►。播放速度即改变如下: $\frac{1}{2} \rightarrow \frac{1}{4} \rightarrow \frac{1}{8} \rightarrow \frac{1}{2} \rightarrow \dots$

[接下页](#)

要	请
选择曲子或场面*2	反复按 CD ◀◀/▶▶ 至找到所要曲子或场面。
找出曲中或场面中的某一点 (寻找功能)	放影中按下 CD ◀◀/▶▶ 至系统开始寻找。 ① 按一次以开始寻找。 ② 再按一次以加快查找速度。每次按下该键, 速度将如下变化: 1 (慢) → 2 (常速) → 3 (高速) → 1 (慢) → ... ③ 在所要的某点位置按下 CD ▶▶ (或遥控器上的 ▶) 以停止寻找。
取出 VIDEO CD	按 CD EJECT ▲。
反复地播放 (反复播放)	播放中, 反复按 REPEAT 至 “REPEAT” 或 “REPEAT 1” 出现于显示器。 REPEAT: VIDEO CD 上的全部曲子。 REPEAT 1: 只反复现在播放中的一曲。 要解除反复播放时, 请反复按 REPEAT 至 “REPEAT” 和 “REPEAT 1” 消失显示。

*1 图像可能不稳定。

*2 带 PBC 功能的 VIDEO CD (2.0 版) 的 PBC 播放期间除外。有关 PBC 播放的详细, 请参看本页。

播放带 PBC 功能的 VIDEO CD (2.0 版)

—PBC 放音

可利用您电视机屏幕上的菜单去欣赏光盘的交互性软件。菜单格式、构造因光盘而异, 有关光盘内容详细。

1 开始播放带 PBC 功能的 VIDEO CD (2.0 版)。

PBC 指示灯点亮, 一个 PBC 菜单出现在电视屏幕上。

当 PBC 播放具有 PBC 功能的 VIDEO CD (2.0 版) 光盘中, 指示灯将点亮。当不用 PBC 功能时 (参看下面), 指示灯即熄灭。

2 按下遥控器上的号码键以从菜单中选择所要号数。

3 按照菜单上的指示欣赏交互放像。

要	请
停止放像	按 CD ■。
进至下一个场面或曲子时	按遥控器上的 NEXT。
退回到接下的场面或曲子时	按遥控器上的 PREV。
退回到前一菜单时	按遥控器上的 RETURN ↶。

解除带有 PBC 功能的 VIDEO CD (2.0 版) 的 PBC 播放时

- 要开始播放之前, 请先用 CD ◀◀/▶▶ 选择所要的曲子, 然后按 CD ▶▶ (或遥控器上的 ▶)。
- 要开始播放之前, 请先用遥控器上的数字按钮选择曲号。

PBC 指示灯熄灭而从所选曲子开始播放。但例如菜单屏幕等静像则不显示。

要领

当电视屏幕出现了时，即表示您按了无效的按钮。

输入大于 10 的数字（仅在遥控器上）

1 按 >10。

2 输入相应的数码。

要输入 0，按 10/0 代替。

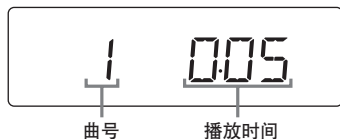
例：

要输入 30，按 >10，然后按 3 和 10/0。

播放 CD

— 正常播放 / 任意顺序播放 / 反复播放

本系统可利用不同播放模式播放 CD。



1 旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“CD”出现于显示器。

即点亮 CD  和 CD  周围的指示灯。可按遥控器上的 CD 按钮把功能切换为 CD。

2 反复按 PLAY MODE 至所要模式出现于显示器。

选择	播放
无显示	按照 CD 原来的顺序播放。
SHUFFLE (任意顺序)	以 CD 上曲子的任意顺序播放。
PGM (程序)	以 CD 上曲子按所要的任意顺序播放（看看本页“给 CD/VIDEO CD 中曲子编程程序”）。

3 按 CD （或遥控器上的 ）。

其它操作

要	请
停止播放	按 CD  。
暂停	按 CD  （或遥控器上的  ）。再按一次以恢复放音。
选择曲子	播放或暂停中，反复按 CD   至找到了所要的曲子。
找出曲上某一点（寻找功能）	播放中，按住 CD   至发现所要的放音点至系统开始寻找。在所要的点按 CD  （或遥控器上的  ）以停止寻找。
取出 CD	按 CD EJECT  。
反复地播放（反复播放）	播放中，反复按 REPEAT 至“REPEAT”或“REPEAT 1”出现于显示器。 REPEAT：CD 上的全部曲子。 REPEAT 1：只反复现在播放中的一曲。 要解除反复播放时，请反复按 REPEAT 至“REPEAT”和“REPEAT 1”消失显示。

给 CD/VIDEO CD 中曲子编程

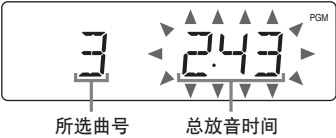
— 程序放音

可按照您喜欢的任何顺序在 CD/VIDEO CD 上编取最多 20 首曲子的播放程序。程序放音中，VIDEO CD（2.0 版）的 PBC 功能是无效的。

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使用 VIDEO CD/CD 显示

- 1 旋转 FUNCTION (或反复按遥控器上的 FUNCTION) 至 “CD” 出现于显示器。
- 2 反复按 PLAY MODE 至显示器中出现 “PGM” 显示。
- 3 反复按 CD ◀◀/▶▶ 至显示器中出现所要的曲号。



- 4 按 PLAY MODE 。
所选曲子即被编入程序。
选择曲号将出现于显示器。
- 5 要编入另加曲子时，请反复步骤 3 和 4。
- 6 按 CD ▶|| (或遥控器上的 ▶) 。

反复按遥控器上的 DISPLAY。
显示将变化如下：

正常播放中
现在播放中曲号和该曲已播放时间 → 现在播放中曲号和该曲剩余播放时间 → 全 CD/VIDEO CD 的剩余播放时间 → 时钟显示 → 现在播放中曲号和该曲已播放时间 →

(带 PBC 功能的 VIDEO CD (2.0 版))
现在播放中径迹的已放演时间* ↔ 时钟显示
* 显示静像等时可能不显示。

VIDEO CD/CD 停着时
总曲数和总播放时间 → 时钟显示 → 现在声源显示 → 总曲数和总播放时间 →

注
如果 CD/VIDEO CD 含有 21 首或更多的曲子时，则自第 21 首起的每首曲子的剩余播放时间都将显示为 “--:--”。

要	请
解除程序放音	反复按 PLAY MODE 至显示器中的 “PGM” 消失了显示。
在程序尾加录一首曲子	在停止程序放音时，步骤 3 和 4。
抹去全部程序	在停止程序放音时，按 CD ■。

- 要领**
- 所作程序将保留到播放完程序。要再播放该程序时，请把功能切换为 CD，然后按 CD ▶|| (或遥控器上的 ▶)。
 - 当总程序时间超过 100 分时显示器中将出现 “--:--” 显示。

利用状况屏幕显示

可在 VIDEO CD/CD 停止中或播放中检查 VIDEO CD 和音响 CD 的现在操作状态和光盘信息。

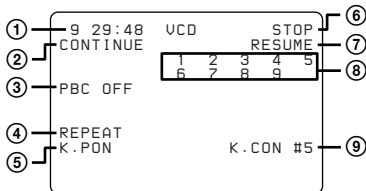
按遥控器上的 ON SCREEN。

状况屏幕显示即变化如下：

ON SCREEN ON (状况屏幕显示打开) ↔

ON SCREEN OFF (状况屏幕显示关掉)

ON SCREEN ON 的显示



①

当 显示如下

VIDEO CD/CD 停止 光盘的总曲数和总播放时间

VIDEO CD/CD 播放 现在播放中曲号和该曲的已播放时间

② 播放模式*

* 程序播放中，选曲号和编了程序的曲号将出现如下。

③ “PBC ON” *，“PBC OFF” 或无显示

* 对带有 PBC 功能的 VIDEO CD 即显示 “PBC ON”。

④ “REPEAT”，“REPEAT 1” 或无显示

⑤ 卡拉 OK 效果状态

⑥

当 显示如下

VIDEO CD/CD 停止 STOP

VIDEO CD/CD 播放 PLAY

⑦ “RESUME” (复位) 或无显示

⑧ 音乐历*或无显示

* 播完的曲子其曲号将从音乐历中消失。

当不用 PBC 功能时，只在 VIDEO CD 停止时显示音乐历。

⑨ 电键控制 (b 8~0~# 8) 或无显示

要领

根据实际条件，部分项目将显示而其余则可能不显示。

从上次停止 VIDEO CD 的播放点恢复播放

—复位播放

本功能不能用于音响 CD。

1 当您播放 VIDEO CD 时，按下 CD ■ 以停止播放。

“RESUME” 将出现在您的电视萤幕上。如果不出现 “RESUME”，复位播放无效。

2 按下 CD ►|| 键 (或遥控器上的 ►)。

要从 VIDEO CD 的开头查看时

当显示器上出现 “RESUME” 时，按下 CD ■ 键，然后按下 CD ►|| 键 (或遥控器上的 ►)。

注

- 在任意顺序播放或程序播放或 PBC 播放具 PBC 功能的 VIDEO CD (2.0 版) 中是不能作复位播放的。
- 根据您停止 VIDEO CD 的播放点，唱机可能会从不同的播放点开始播放。
- 如下状况时，复位播放将被解除：
 - 您按下遥控器上的号码键、PLAY MODE 或 CD ■ 键。
 - 您取走了 VIDEO CD。
 - 您拔掉了电源线。
 - 关掉了系统的电源。

预约电台

本系统可存储总共 30 个预约电台（20 个 FM 和 10 个 AM 电台）。

1 旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“TUNER”出现于显示器。

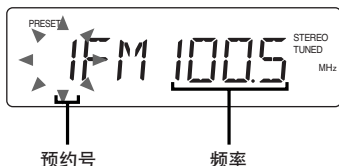
即点亮 TUNER BAND 按钮周围的指示灯。

2 按 TUNER BAND 以选择 FM 或 AM。

3 反复按 TUNING MODE 至显示器中出现“AUTO”显示。

4 按 TUNING +/-（或遥控器上的 ◀▶/▶▶）。
每当系统扫描到电台，频率即随着改变。
当调入了电台时，扫描即自动停止。此时，将出现“TUNED”（已调谐）和“STEREO”（立体声节目为限）。

5 按遥控器上的 MEMORY。
预约号即起闪烁。



6 反复按遥控器上的 +/- 以选择所要的预约号。

7 按下遥控器上的 ENTER。
电台即被存入所选择的预约号中。

8 反复步骤 2 到 7 以预约其他电台。

要调入较弱信号的电台时

在步骤 3 中反复按 TUNING MODE 至显示器中的“AUTO”（自动）和“PRESET”（预约）消失了显示，然后反复按 TUNING +/-（或遥控器上的 ◀▶/▶▶）以调入电台。

要改变预约号时

请再自步骤 2 开始作。

要领

即使拔下电源线或发生停电时，预约电台仍能保持存储在系统的存储器中大约一天之久。

听收音机

— 预约调谐

在系统的存储器中预先存入预约电台，以后便可很方便去调入这些电台 2 收听（参看本页的“预约电台”）。

1 旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“TUNER”出现于显示器。

2 按 TUNER BAND 以选择 FM 或 AM。

3 反复按 TUNING MODE 至显示器中出现“PRESET”（预约）显示。

4 反复按 TUNING +/-（或遥控器上的 ◀▶/▶▶）以显示所要电台的预约号。

要关掉收音机电源时

请按 I/⏻。

要调入非预约电台时

请在步骤 3 中反复按 TUNING MODE 至显示器中的“**AUTO**”（自动）和“**PRESET**”（预约）消失了显示，然后反复按 TUNING +/-（或遥控器上的 ◀◀/▶▶）以调入所要的电台（手动调谐）。

要领

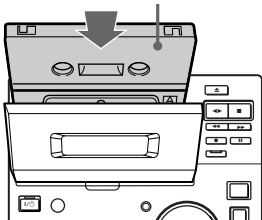
- 收听 FM 广播中若有天电干扰，即请按遥控器上的 STEREO/MONO 至显示器中显示了“**MONO**”（单耳声）。“**MONO**”轴卷过显示器之后，即将出现频率。此时的播音将变成非立体声，但接收状况可获得改善。
- 为改善接收状况，可调整附带的天线或连接室外天线。

装磁带

1 按 TAPE EJECT ▲。

2 将已录／可录磁带装入盒带座。

让要播放／录音的一面对着自己的方向



播放磁带

您可以使用 Type I（标准）磁带。

1 将已录磁带装入盒带座。

2 旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“TAPE”出现于显示器。即点亮 TAPE ◀▶ 和 TAPE ■ 按钮周围的指示灯。

可按遥控器上的 TAPE 按钮把功能切换为 TAPE（磁带）。

3 反复按遥控器上的 DIR MODE 以选择“↔”去播放磁带的一面，选择“↔↔”去播放双面或选择“↔↔”*以反复播放磁带的双面。

* 连续播获五次后，磁带即自动停止播放。

4 按 TAPE ◀▶（或遥控器上的 ▶）。在按一次 TAPE ◀▶（或遥控器上的 ▶）以播放反面。即开始播放磁带背面。

其它操作

要	请
停止播放	按 TAPE ■。
暂停	按 TAPE 。再按一次，便可恢复放音。
快进绕或重绕	磁带停着时，按 TAPE ◀◀/▶▶。
取出磁带	按 TAPE EJECT ▲。

用磁带录音

—CD 同步录音／手动录音／程序编辑

您可以从 CD/VIDEO CD，收音机或连接着的任何组成机进行录音。可以使用 Type I（标准）磁带。

步骤	从 CD/VIDEO CD 录音（CD 同步录音）	手动录音
1	将已录磁带装入盒带座。	
2	在光盘托盘上装放光盘。	旋转 FUNCTION（或反复按遥控器上的 FUNCTION）以选择所要录音的声源。
3	旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“CD”出现于显示器。	装上光盘或调谐要听的电台。
4	按 CD SYNC。	按 TAPE REC ●。
	磁带成可以录音状态。 出现“REC”和“▶”（或“◀”）显示。 要开始录在背向您的一面时，请按 TAPE ◀▶ 至“REC▶”改变成“◀REC”。	
5	反复按遥控器上的 DIR MODE 以选择“↔”去录磁带的一面，或选择“↔”或“↔↔”去录双面。	
6	按 TAPE II。	按 TAPE II，而开始播放要听的声源。

停止录音

按 TAPE ■。

要领

手动录音：

要暂停录音时，请按 TAPE II。

接下页

辭
群

按照喜欢顺序录取 CD/VIDEO CD 中曲子

—程序编辑

程序编辑中，VIDEO CD（2.0 版）的 PBC 功能是无效的。

- 1 装一可录磁带于磁带座。
- 2 在光盘托盘上装放光盘。
- 3 请做程序播放中的步骤 1 到 5（参看第 11 页）。
- 4 按 CD SYNC。
磁带即成准备录音而 VIDEO CD/CD 则成准备播放状态。
并出现“REC”和“▶”（或“◀”）显示，而且点亮 CD SYNC 指示灯。
要开始录背向您的另一面时，请按 TAPE ◀▶（或遥控器上的 ▶）至“REC▶”变成“◀REC”显示。
- 5 反复按遥控器上的 DIR MODE 以选择“↔”去录磁带的一面，或选择“↔↔”或“↔↔↔”去录双面。
- 6 按 TAPE II。

要	请
停止录音	按 TAPE ■。
解除程序编辑	请反复按 PLAY MODE 至显示器中的“PGM”消失了显示。

无线电广播节目的定时录音

要作定时录音之前，必须先正确地设定好系统的时钟（参看第 8 页的“设定时间”）并预约好电台（参看第 14 页的“预约电台”）。

- 1 调入要收听预约电台（参看第 14 页的“听收音机”）。
- 2 装一可录的磁带。
- 3 按遥控器上的 CLOCK/TIMER SET。
- 4 反复按遥控器上的 +/- 至显示器中出现“SET REC”显示。
“SET REC”轴卷而显示器中即出现“⊙ REC”。
- 5 按遥控器上的 ENTER。
即出现“ON TIME”，然后闪烁着点钟指示。
- 6 设定开始时间。
反复按遥控器上的 +/- 以设定点钟，然后按遥控器上的 ENTER。
分钟指示即开始闪烁于其次。
反复按遥控器上的 +/- 以设定分钟，然后按遥控器上的 ENTER。
即出现“OFF TIME”，然后点钟指示又起闪烁。
- 7 反复步骤 6 以设定停止时间。
逐一显示开始时间，停止时间，“TUNER”，和预约电台，然后恢复原来显示。
- 8 按 I/⏻ 以关掉系统。
开始录音时，音量将自动设定于最小。

要	請
检查设定	反复按遥控器上的 CLOCK/TIMER SELECT 至显示器中出现 “⊖ REC” 。即将逐一显示预约项目。
关掉定时器	反复按遥控器上的 CLOCK/TIMER SELECT 至显示器中 “⊖ REC” 消失了显示。

要领

一旦设定好定时器，即使关掉了系统或定时器电源，时间设定都仍然保留在系统存储器中到您改变了设定为止。再打开定时器时，上次最后使用的设定仍然有效。

注

- 系统将于指定开始时间的 15 秒前打开电源。
- 如果在所指定开始录音的时间打开著系统的电源，将不能开始录音。
- 已设定了睡眠定时器时，除非把睡眠定时器功能关掉，否则定时器录音是不起作用的。

调整声音

产生更动人的音响（动态声发生器）

按 DSG。
要解除 DSG 时，请再按一次 DSG。

调整低音

扭转 BASS。
可分 7 段调整低音。

调整高音

扭转 TREBLE。
可分 7 段调整高音。

演唱：卡拉 OK

可抑制任何立体声 CD/VIDEO CD 中的歌唱声用于演唱卡拉 OK。

- 1 将 MIC VOL 转到 0 以调小麦克风的音量水平。
- 2 将选购件麦克风接插到 MIC IN。
- 3 反复按下 K.PON/MPX 以获得所要的卡拉 OK 效果。
显示即作如下变化：
K_PON → MPX R → MPX L → STEREO → K_PON →
用卡拉 OK 功能时，请选择“K_PON” (KARAOKE PON)；用多路调制 CD/VIDEO CD 时，则选“MPX R”或“MPX L”。
- 4 开始放音乐。
- 5 旋转 MIC VOL 以调整麦克风音量。

要	请
解除卡拉 OK 功能	把 MIC VOL 转到 0 并从 MIC IN 卸下麦克风，然后反复按遥控器上的 K.PON/MPX 至出现“STEREO”显示。
调整电键	反复按遥控器上的 KEY CONTROL #/b 。可以分 17 段调整电键。

注
当选择“K_PON”时，有些歌曲的歌唱声音量可能不能加以抑制。

听着音乐入睡

—睡眠定时器

睡眠定时器功能可指定睡眠时间，这段时间以后，系统将停止放音并自动关掉电源。因此，可欣赏着音乐入梦乡。

反复按遥控器上的 SLEEP。

睡眠时间即做如下变化：

AUTO (自动) * → 90MIN (分) → 80MIN → 70MIN → → 10MIN → OFF (关掉) → AUTO (自动) * →

* 现在播放中 CD/VIDEO CD 或磁带放完后，系统即关掉电源（最多 100 分钟）。当用手动停掉 VIDEO CD/CD 或磁带时，系统也将关掉电源。

要	请
检查剩余睡眠时间	按一次遥控器上的 SLEEP。
改变睡眠时间	反复按遥控器上的 SLEEP 至出现所要的时间。
解除睡眠定时器功能	反复按遥控器上的 SLEEP 至出现 “OFF” 显示。

用音乐叫醒

—每日定时器

设定好每日定时器，便可令系统在所指定的时间自动地打开和关掉电源。要用此功能时，必须先对准系统的时钟（参看第 8 页的“设定时间”）。

1 准备好当系统打开电源时，您要听的音乐声源。

- CD/VIDEO CD：装放一张光盘。
- 磁带：装插磁带，让要播放面对着自己方向。
- 收音机：调入所要的预定电台（参看第 14 页的“听收音机”）。

2 调整音量。

3 按遥控器上的 CLOCK/TIMER SET。

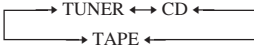
4 反复按遥控器上的 +/- 至显示器中出现 “SET DAILY” 显示。
“SET DAILY” 轴卷而显示器中即出现 “⊙ DAILY”。

5 按遥控器上的 ENTER。
即出现 “ON TIME”，然后闪烁着点钟指示。

6 设定开始时间。
反复按遥控器上的 +/- 以设定点钟，然后按遥控器上的 ENTER。
其次即开始闪烁分钟指示。
反复按遥控器上的 +/- 以设定分钟，然后按遥控器上的 ENTER。
即出现 “OFF TIME”，然后再闪烁着点钟指示。

7 反复步骤 6 以设定停止时间。

8 反复按遥控器上的 +/- 至出现所要的音乐声源。
显示即作如下变化：



9 按遥控器上的 ENTER。
即将逐一出现开始时间，停止时间，和音乐声源，然后恢复原来显示。

10 按 I/⏻ 以关掉系统电源。

[接下页](#)

用音乐叫醒 (续)

要	请
检查设定	反复按遥控器上的 CLOCK/TIMER SELECT 至显示器中出现 “⌚ DAILY” 。将轮次出现预调项目。
关掉每日定时器	反复按遥控器上的 CLOCK/TIMER SELECT 至显示器中的 “⌚ DAILY” 消失了显示。

要领

一旦设定好定时器，即使关掉系统电源或定时器，时间设定都能保留在系统的存储器中到改变了设定为止。当再打开定时器时，上次最后使用的设定仍将有效的。

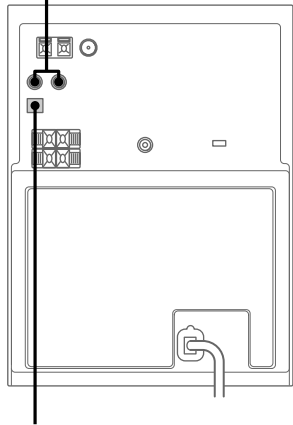
注

- 系统将在所指定启动时间的前 15 秒钟打开电源。
- 当已设定了睡眠定时器时，每日定时器便要在关掉了睡眠定时器功能时，才起作用。

联结选购件组成机

您能把各种各样的组成机连接到您的系统以加强系统功能。务请确认插头的颜色是否符合连接器。

至 MD 座／录像机上的音频输出插孔



至 MD 座的数字输入连接器*

* 如果插孔盖着盖子，则请在使用前，先卸下盖子。

要	请
从 CD 用数字录音地录到 MD	连接选购件电缆。
听连接着的 MD 座	旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“MD”出现于显示器。
听连接着的录像机	旋转 FUNCTION（或反复按遥控器上的 FUNCTION）至“VIDEO”出现于显示器。

注
不能通过光频电缆从 VIDEO CD 数字录到 MD 上。

要领
如果旋转 FUNCTION（或反复按遥控器上的 FUNCTION）而不能选择“VIDEO”时，可在备用模式中按着 DSG 同时按 I/⏻。功能即将从“MD”变成“VIDEO”，而“VIDEO”将出现于显示器。要变回“MD”时，可重复本程序。

选购件组成机

使用前须注意

操作电压须知

操作系统以前，请检查系统的操作电压指示是否和当地电源电压一致。

安全须知

- 机器电源线如果保持器接插在电源插座，则即使关掉机器电源开关，机器仍然并未断开 AC 电源的。
- 长期间不使用机器时，请自墙上 AC 电源插座拔下系统电源线。拔电源线时，须抓住插头拔下，不可拉着电线部分拔。
- 万一有任何杂物或液体掉进机器内时，必须立即拔下系统电源，然后找持有资格的人检查过以后才可再操作使用。
- 更换 AC 电源线，必须找持有资格的维修店为您服务。

安置须知

- 系统不要安装在倾斜的位置。
- 系统不要安置在如下环境的地方：
 - 太热或太冷的地方
 - 多尘或肮脏的地方
 - 太潮湿的地方
 - 会振动的地方
 - 直接照射到阳光的地方

积热须知

- 操作中的机器虽然会生热，但这并不是故障。
- 请把系统放在能适当通风的地方以防止系统内积热。

您如果用大音量连续使用本系统，则机箱顶面，侧面和底面的温度可能会升高。为防烫伤，请不要去碰机箱。

为防故障，请别盖住冷却风扇的通风孔。

操作须知

- 把系统从寒冷处直接搬入温暖处时，或安置在极潮湿的房间里时，系统的 VIDEO CD/CD 唱机内的透镜部分可能会发生冷凝水分。此时，系统将操作不正常。请取出光盘，让系统打开着电源放置大约一小时到水分完全蒸发了再操作使用。
- 移动机器时光盘托盘上可能仍装放有光盘，必须确实都卸下来。

关于本系统，如果仍有任何疑问，请洽询附近的 Sony 售店。

CD/VIDEO CD 须知

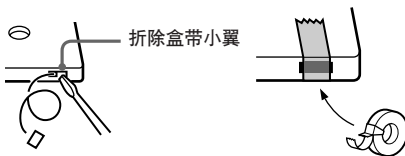
- 播放光盘前，请用清洁布擦净光盘表面。请从光盘的中央向外周方向擦拭。
- 别在光盘上贴粘胶带，纸条等，因为这可能会损坏系统。
- 不可使用溶剂。
- 光盘不可暴露于直射阳光，或热源。
- 本系统不可用于播放不规则形的光盘（例如心形，方形，星形的）。试图那样作时，很可能会损坏系统。请不要使用这类光盘。

清洁机壳

请用软布蘸湿温和洗涤剂溶液擦拭清洁机壳，控制板和控制器。不可使用任何类型的研磨沙纸，抛光粉或稀疏剂溶液，汽油，酒精等强烈溶剂。

要永久保存录音带时

为防录音带被意外录呈，如图所示，请折除录音带的 A 面或 B 面的盒带小翼。



保存的录音带如果要再用于录音，可以用粘胶带盖住折除了小翼留下的凹孔。

在磁带座装入卡带前

必须先旋紧磁带松驰的部分。否则，磁带可能会缠住磁带座的走带机构损坏机器。

使用 90 分钟以上长度的磁带时

这种磁带极易变形。避免太频繁的改变操作走带，例如播放、停止、快进绕等等。磁带也易于缠住磁带座的走带机构。

清洁磁头

每使用过 10 个小时，即请清洁一下磁头。
每在要作重要录音或播放了老录音带之后，一定都请清洁一下磁头。清洁磁头可利用市售的干式或湿式清洁用卡带。详情请参考磁头清洁用卡带的使用说明书。

磁头去磁

机器每使用过 20 到 30 个小时之后，请用市售的去磁用卡带给磁头及磁带接触到的金属部分进行去磁。详情请参考去磁用卡带的使用说明书。

若附近的电视屏幕色彩失常

因为扬声器系统为磁屏蔽式的，所以扬声器可以安放在电视机旁边。但依电视机的型式不同，电视屏幕仍可能发生色彩失常的现象。

若发现色彩失常…

关掉一下电视机的电源，等 15 至 30 分钟后再重新打开。

若色彩仍不正常…

即请把扬声器移离电视机远一点。

故障检修

使用系统万一遭遇问题时首先请：

- 1 确认电源线和扬声器导线是否确实连接稳固妥当。
- 2 在下面故障检修表中寻找您遭遇的问题并按指示说明处理。

采取上述行动而问题仍不能获得解决时，请洽询附近的 Sony 售店。

共通问题

扬声器没声音。

- 调整音量。
- 连接着头戴耳机。
- 检查扬声器的连接状况。

交流哼声或噪声严重。

- 电视机或录像机放靠近本机。请把机器远离一些电视机或录像机安置。

显示器中闪烁着“AM 12:00”。

- 遇发生停电。请重新设定时钟（参看第 8 页）和定时器（参看第 18 和 21 页）。

定时器不起作用。

- 确认时钟是否设定准确（参看第 8 页）。
- 不能同时操作每日定时器和定时器录音。

当按下遥控器上的 CLOCK/TIMER SELECT 时，并不显示“⌚ DAILY”和“⌚ REC”。

- 确认一下各定时器是否设定正确（参看第 18 和 21 页）。
- 确认时钟是否设定准确（参看第 8 页）。

电视屏幕的彩色不正常。

- 请把扬声器移离电视机远些。

遥控器不起作用。

- 遥控器和本机之间有障碍物。
- 遥控器没正确指向系统的遥控传感器。
- 遥控器的电池已用完。请更换新电池。
- 确认一下电池是否装插正确。

扬声器

只有一个频道有声音，或左、右音量不平衡。

- 检查扬声器的连接和安置状况。

[接下页](#)

VIDEO CD/CD 唱机

没有影像。

- 请检查系统的接线是否牢靠。
- 请确认是否正确地操作电视机。
- 请确认 SYSTEM SELECT 开关是否正确地按照您的电视机的彩色系统进行设定。
- 旋转 FUNCTION 以切换 VIDEO CD/CD 功能。

VIDEO CD/CD 不能放音。

- 光盘脏了。
- 光盘表面有裂痕。请更换光盘。
- 光盘没装妥当。
- 光盘贴标签面朝下地装反了。
- 系统内部发生冷凝水分。请取出光盘，打开着系统电源放置大约 1 个小时，等冷凝水分蒸发干燥。

不能从第一首曲子开始播放。

- 唱机呈程序放音或任意放音模式。请反复按 PLAY MODE 至 “PGM” 和 “SHUFFLE” 消失了显示。

磁带座

不能录音。

- 卡带架中未装放磁带。
- 卡带上的录音保护小翼被拆除了 (参看第 24 页) 。
- 磁带已录完。

磁带不能录 / 放音，或声电平减小了。

- 磁头脏了。请清洁磁头 (参看第 25 页) 。
- 录 / 放音磁头有积磁。请加以去磁 (参看第 25 页) 。

磁带不能抹音完全。

- 录 / 放音磁头积磁。请加以去磁 (参看第 25 页) 。

频率颤动激烈，或声音脱落。

- 主动轮或紧带轮脏了，请加以清洁 (参看第 25 页) 。

噪声大或高频音有损失现象。

- 录 / 放音磁头积磁。请加以去磁 (参看第 25 页) 。

调谐器

交流哼声或噪声严重 (闪烁着 “TUNED” (已调谐) 或 “STEREO” (立体声)) 。

- 调整天线。
- 信号太弱。连接室外天线。
- 确认天线是否连接妥当。
- 不要弯曲着或卷起天线。
- 系统新购入，含有 FM 天线的两电线被拉离得太远。请修复或换新。
- AM 天线剥离台架。
- 天线必须尽可能远离扬声器导线。

立体声 FM 节目不能接收到立体声。

- 按遥控器上的 STEREO/MONO 至显示器中出现了 “STEREO” (立体声) 显示。

重调系统

系统打开着电源时，同时按 TAPE ■，CD ■ 和 TUNER BAND。

系统即重调呈原来的工厂设定。所有设定都将被清除。必须重新设定。

提示

下列提示之一可能在操作中出现显示或起闪烁。

NO DISC (无光盘)

- 光盘托盘上没有装放光盘。

PGM FULL (编满程序)

- 试图编入 21 首或更多的曲子。

规格

放大器部分

下列数值是在 230 V AC, 60 Hz 时测得
DIN 功率输出（额定）：27 + 27 W
（1 kHz 时 6 Ω, DIN）
连续 RMS 功率输出（标准）：
32 + 32 W
（1 kHz 时 6 Ω, 10% 总谐波失真）
下列数值是在 220 V AC, 60 Hz 时测得
DIN 功率输出（额定）：23 + 23 W
（1 kHz 时 6 Ω, DIN）
连续 RMS 功率输出（标准）：
26+26 W
（1 kHz 时 6 Ω, 10% 总谐波失真）

输入端子
AUDIO IN MD (VIDEO) (唱机插孔) :
灵敏度 500/250 mV, 阻抗 47 kΩ
MIC IN (小型插孔) : 灵敏度 1 mV, 阻抗 10 kΩ
输出端子
OPTICAL DIGITAL OUT (CD) :
光频
VIDEO OUT (唱机插孔) :
最大输出电平 1 Vp-p, 不平衡, 负同步, 负载阻抗 75 Ω
PHONES (立体声小型插孔) :
接用 8 Ω 以上阻抗的头戴耳机

VIDEO CD/CD 唱机部分

系统 激光盘, 数字音频和图像系统
激光器 半导体激光器
(λ (波长) = 780 nm)
发射持续性: 连续
波长 780 - 790 nm
视频彩色系统格式: NTSC, PAL

OPTICAL DIGITAL OUT (CD)
(方形光学接头插孔, 后面板)
波长 660 nm
输出电平 - 18 dBm

磁带唱机部分

录音系统 4 径迹 2 声道立体声
频率响应 50 - 13,000 Hz
(±3 dB), 使用 Sony Type I 卡带
频率颤动 ± 0.15% W.峰值 (IEC)
0.1% W. RMS (NAB)
± 0.2% W.峰值 (DIN)

调谐器部分

FM 立体声, FM/AM 超外差调谐器

FM 调谐器部分

调谐范围 87.5 - 108.0 MHz
(50 kHz 步进)
天线 FM 电线天线
天线端子 75 Ω 不平衡式
中频 10.7 MHz

AM 调谐器部分

调谐范围 531 - 1,602 kHz
(调谐间隔设定于 9 kHz 时)
天线 AM 环型天线, 外部天线
端子
中频 450 kHz

扬声器

扬声器系统 2 路, 低音反射系统, 磁屏蔽型
扬声器单元 12 cm 直径, 锥型低音扬声器
2.5 cm 直径, 半圆顶型高音扬声器
6 Ω
额定阻抗 大约宽 150×高 252×纵深 252 mm
尺寸 大约 2.9 kg/每个扬声器
质量 纯重

接下页

附加信息

规格 (续)

一般规格

电源	220 V AC, 50/60 Hz
电力消耗	75 W
尺寸	大约宽 190×高 252×纵 深 345 mm 含突出部分和 控制器
质量	大约 5.6 kg
附件	遥控器 (1) AM 环形天线 (1) FM 电线天线 (1) 电池 (2) 视频连接导线 (1)

设计和规格有所变更时，恕不另行奉告。

术语

自动暂停

系指播放 VIDEO CD 时依光盘上的编码信号而自动进行的暂停。如果 VIDEO CD/CD 唱机长时间不恢复播放，请按 CD ►|| 键（或遥控器上的 ►）以手动恢复播放。

菜单放演

系指用记录于带 PBC 功能的 VIDEO CD 上的菜单画面进行的放演。您可以用菜单放演功能欣赏简单穿插式软件。

放演控制 (PBC)

系指记录于 VIDEO CD (2.0 版) 上用于控制放演的信号。

利用记录于带 PBC 功能的 VIDEO CD 上的菜单画面，您可以欣赏简单穿插式软件，带查找功能的软件等。

在本系统上选择带 PBC 功能的 VIDEO CD 时，PBC 指示灯会点亮。

径迹

系指光盘上的图像或音乐段。每个径迹都带有径迹号助您查找所要的图像或音乐段落。

VIDEO CD

系指含有电影的激光盘。

VIDEO CD 带有采用 MPEG 1 形式（数码压缩技术的世界性标准之一）的压缩图像信息。图像信息被压缩约 120 倍。因此，一盘 12 cm VIDEO CD 可以装下 74 分钟的电影。

VIDEO CD 也带有压缩音声信息。人类听觉范围外的声音被压缩，可以听到的声音不被压缩。VIDEO CD 可以装下普通音声 CD 的 6 倍声音信息。

VIDEO CD 有两种型版：

1.1 版（不带 PBC 功能的 VIDEO CD）：

只能播放动画和声音。

2.0 版（带 PBC 功能的 VIDEO CD）：

可以播放静像和使用 PBC 功能。

本系统能播放这两种型版的 VIDEO CD。