

# *Compact Hi-Fi Component System*

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Operating Instructions



*CHC-CV40*

## Warning

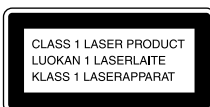
**To prevent fire or shock hazard, do not expose the unit to rain or moisture.**

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

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.

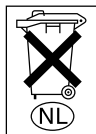
To prevent fire or shock hazard, do not place objects filled with liquids, such as vases, on the apparatus.

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. This label is located on the rear exterior.

The following caution label is located inside the apparatus.



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



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 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.

### Notes 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 = Playback Control

- VIDEO CDs with CD audio tracks may not play properly.

## Notes on CD-R and CD-RW discs

This system can play the following discs:

Type of discs	Label on the disc
Audio CD	
MP3 files	

- Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive's characteristics.
- You cannot play a CD-R/CD-RW that is not finalized.
- You cannot play a CD-R/CD-RW that is recorded in Multi Session.

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# Remote control

## ALPHABETICAL ORDER

### A - K

- ALBUM +/- **30** (17)
- CD ► **26** (11, 14, 17)
- CLEAR **6** (16)
- CLOCK/TIMER SELECT **38** (26, 29)
- CLOCK/TIMER SET **1** (10, 25, 28)
- DBFB **17** (26)
- DIMMER **34** (31)
- DISC SKIP **14** (11, 14)
- DISPLAY **33** (31)
- ENTER **21** (10, 15, 21, 25, 27)
- FUNCTION **28** (10, 14, 15, 17)
- GROOVE **22** (26)
- KARAOKE PON/MPX **29** (29)
- KEY CONTROL #/b **19** (30)

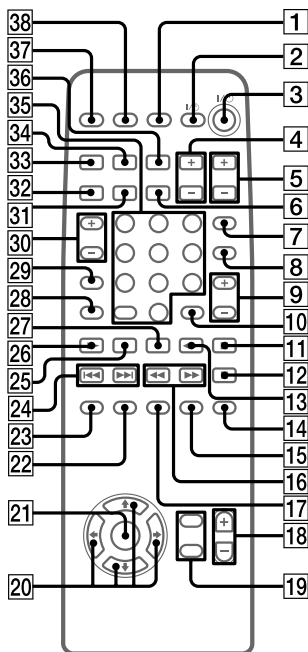
### M - Z

- MD (VIDEO) **27** (35)
- MUSIC MENU +/- **9** (27)
- NEXT **24** (13)
- Numeric buttons **35** (12, 19)
- ON SCREEN **36** (32)
- PICTURE EFFECT **23** (12)
- PLAY MODE **32** (11, 14)
- PREV **24** (13)
- REPEAT **31** (12, 14, 18)
- RETURN ↻ **10** (13)
- SELECT **26** (13, 19)
- SLEEP **37** (28)
- SPECIAL MENU **8** (19)
- SURROUND **15** (26)
- TAPE ◀▶ **13** (23, 24)
- TUNER/BAND **25** (20, 22)

- TV CH +/- **5** (9)
- TV VOL +/- **4** (9)
- TV I/⏻ **2** (9)
- TV/VIDEO **7** (9)
- VOL +/- **18**

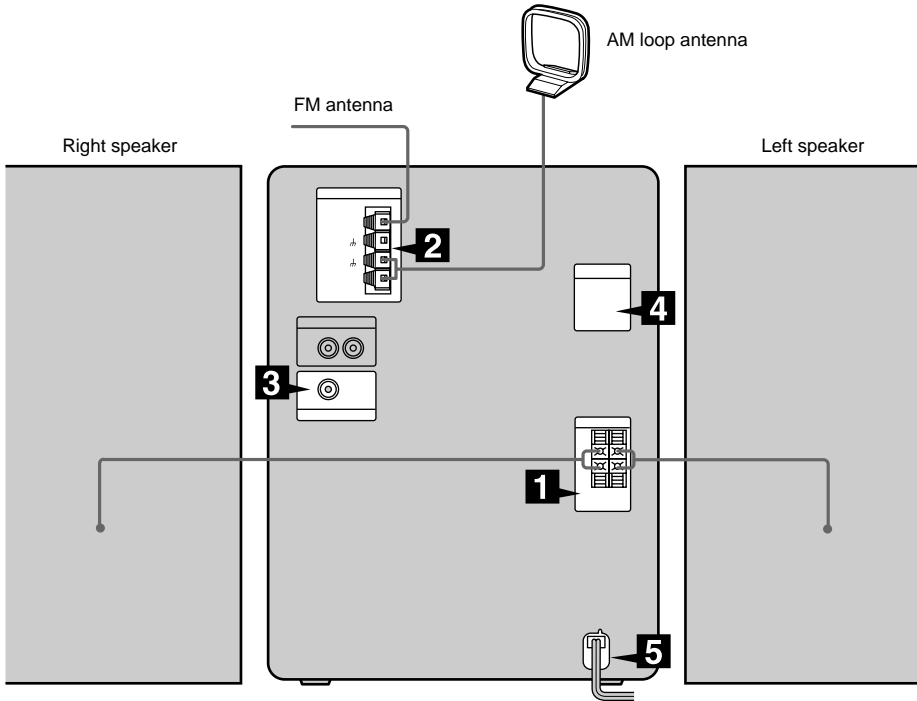
## BUTTON DESCRIPTIONS

- I/⏻ **3**
- **12**
- || **11**
- ◀◀/▶▶ **16**
- ◀◀/▶▶ **24**
- ↑/↓/←/→ (cursor) **20** (10, 12)



## Hooking up the system

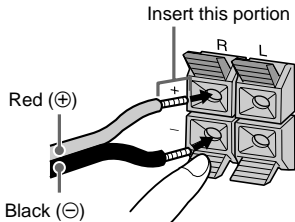
Perform the following procedure **1** to **5** to hook up your system using the supplied cords and accessories.



List of Button Locations and Reference Pages/Getting Started

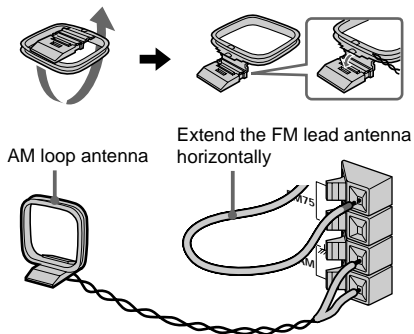
### 1 Connect the speakers.

Connect the speaker cords to the SPEAKER terminals as the following.



### 2 Connect the FM/AM antennas.

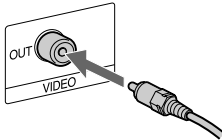
Set up the AM loop antenna, then connect it.



continued

## Hooking up the system (continued)

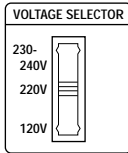
- 3** Connect the video input jack of your TV to the VIDEO OUT jack with the supplied video cable.



When using a TV

Turn on the TV and select the video input so that you can view the pictures from this system.

- 4** For models with a voltage selector, set **VOLTAGE SELECTOR** to the local power line voltage.



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

The demonstration appears in the display.

If the plug of the power cord does not fit your wall outlet, attach the supplied adapter on to the plug (for models with a plug adapter). To turn on the system, press I/⏻.

- 6** Set the color system according to your TV while the power is off.

The color system of your TV	Do this
PAL	While holding down DISC 1 ▲, press I/⏻.
AUTO*	While holding down DISC 2 ▲, press I/⏻.
NTSC	While holding down DISC 3 ▲, press I/⏻.

\* When your TV automatically changes the color system according to the input signal.

### Notes

- When you play a VIDEO CD recorded in the different color system from the one you set to the unit, the picture image may be distorted.
- You cannot set the color system in the Power Saving Mode.

### When carrying this system

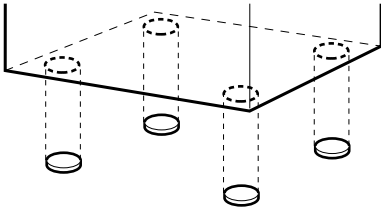
Perform the following procedure to protect the CD mechanism.

- 1** Make sure that all discs are removed from the system.
- 2** Press FUNCTION repeatedly until "CD" appears.
- 3** Press FUNCTION while holding down DISC 1 until "LOCK" appears.
- 4** Unplug the power cord.

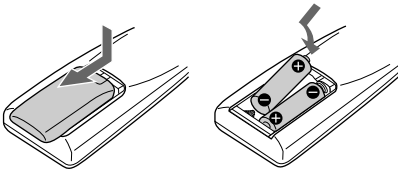


## Attaching the speaker pads

Attach the supplied speaker pads to the bottom of the speakers to stabilize the speaker and prevent it from slipping.



## Inserting two R6 (size AA) batteries into the remote



### Tip

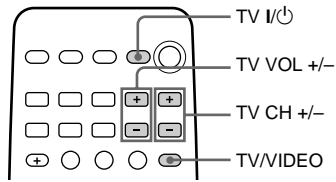
When the remote no longer operates the system, replace both batteries with new ones.

### Note

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

## Using the remote

You can control Sony TVs using the buttons below.



By pressing	You can
TV I/⏻	Turn on or off the TV
TV/VIDEO	Select the input source for the TV
TV VOL +/-	Adjust the volume of the TV
TV CH +/-	Change the channel of the TV

### Note

Depending on the TV, you may not be able to control your TV or to use some of the buttons above.

## Setting the clock

- 1 Turn on the system.
- 2 Press **CLOCK/TIMER SET** on the remote.
- 3 Press **↑** or **↓** on the remote to set the hour.
- 4 Press **ENTER**.
- 5 Press **↑** or **↓** on the remote to set the minute.
- 6 Press **ENTER**.

The clock starts working.

If you make a mistake

Press **←** or **→** on the remote repeatedly until the incorrect item flashes, then set it again.

To adjust the clock

- 1 Press **CLOCK/TIMER SET** on the remote.
- 2 Press **↑** or **↓** on the remote to select "CLOCK SET?", then press **ENTER**.
- 3 Do the same procedures as step 3 to 6 above.

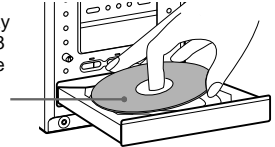
Note

You cannot set the clock in the Power Saving Mode.

## Loading a disc

- 1 Press **DISC 1 – 3 ▲**.  
The disc tray opens.
- 2 Place a disc with the label side up on the disc tray.

When you play a CD single (8 cm CD), place it on the inner circle of the tray.



To load other discs, press a different **▲** and place the disc in the disc tray.

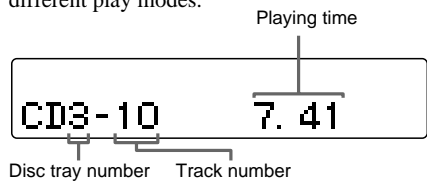
- 3 Press the same **▲** again to close the disc tray.

## Playing a 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).

This system lets you play the VIDEO CD in different play modes.



- 1 Turn on your TV and select the video input.  
Refer to the instructions included with your TV for details.
- 2 Press **FUNCTION** repeatedly to switch the function to CD.

### 3 Press PLAY MODE/TUNING MODE (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears in the display.

Select	To play
ALL DISCS* (Normal Play)	All VIDEO CDs in the disc tray continuously.
1 DISC/ ALBUM (Normal Play)	The tracks on the VIDEO CD you have selected in original order.
ALL DISCS SHUFFLE (Shuffle Play)	The tracks on all VIDEO CDs in random order.
1 DISC SHUFFLE/ ALBUM SHUFFLE (Shuffle Play)	The tracks on the VIDEO CD you have selected in random order.
PROGRAM (Program Play)	The tracks on all VIDEO CDs in the order you want them to be played (see "Programing VIDEO CD/CD tracks" on page 15).

\* Depending on VIDEO CDs with PBC function (Ver. 2.0), the disc does not change.

### 4 Press CD ►|| (or CD ► on the remote).

## Other Operations

To	Do this
Stop play	Press ■.
Pause* <sup>1</sup>	Press CD ►   (or    on the remote). Press again to resume play.
Select a track* <sup>2</sup>	Slide the knob to ►►   (to go forward) or to   ◄◄ (to go back) and release it when you locate the desired track (or press ◄◄ or ►► on the remote).
Find a point in a track or scene (Lock Search function)	Slide and hold the knob to ◄◄ or to ►► during play to start searching. Release the knob and slide it again to increase the search speed. Each time you release and slide the knob, the speed changes sequentially: 1 (slow) → 2 (normal) → 3 (high) → 1 (slow). Release the knob and press CD ►   at the desired point to stop searching. (On the remote, press ◄◄ or ►► during play. Press once to start searching. Press again to increase the search speed. Each time you press the button, the speed changes sequentially: 1 (slow) → 2 (normal) → 3 (high) → 1 (slow). Press CD ► at the desired point to stop searching.)
Select a VIDEO CD	<ul style="list-style-type: none"> <li>• Press DISC 1 – 3 and play starts automatically (except during "ALL DISCS SHUFFLE").</li> <li>• Press DISC SKIP on the remote repeatedly so that DISC 1 – 3 appears. Press CD ►   (or CD ► on the remote) to play the selected disc.</li> </ul>
Remove a VIDEO CD	Press one of DISC 1 – 3 ▲ to open the tray that contains the disc you want to remove.

continued

## Playing a VIDEO CD (continued)

To	Do this
Play repeatedly (Repeat Play)	Press REPEAT/FM MODE (or REPEAT on the remote) during play until "REPEAT" or "REPEAT 1" appears. REPEAT* <sup>3</sup> : For all the tracks on the VIDEO CD up to five times. REPEAT 1* <sup>2</sup> : For a single track only. To cancel playing repeatedly, press REPEAT/FM MODE until "REPEAT" or "REPEAT 1" disappears.
Adjust the picture	① Press PICTURE EFFECT on the remote. ② Adjust the picture using ↑ / ↓ / ← / → on the remote. ③ Press ENTER.

\*<sup>1</sup> There may be some disturbance in the paused video image.

\*<sup>2</sup> Only when PBC function is set to off or when playing VIDEO CDs without PBC function (Ver. 1.1)

\*<sup>3</sup> You cannot select "REPEAT" and "ALL DISCS SHUFFLE" at the same time.

### Tips

- You can start playing from the desired track in Normal Play. Slide the knob to **◀◀** or to **▶▶** (or press **◀◀** or **▶▶** on the remote) until the desired track number appears after step 3.
- The DISC 1 – 3 button indicator lights in orange when a disc is loaded on the tray.  
All of the DISC 1 – 3 button indicators light in orange for the first time you turn on the system, and then go out if the system determines that a disc is not loaded after the disc tray is closed, etc.

To enter a track number using the remote

You can also select the desired track (or scene for a VIDEO CD with PBC functions) using the remote during Normal Play.

Press the numeric buttons. The playback automatically starts.

To enter a track number over 10

**1** Press >10.

**2** Enter the corresponding digits.

To enter 0, press 10/0 instead.

Example:

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

# Playing a VIDEO CD with the 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).


A PBC menu appears on your TV and "PBC" appears in the display.

### 2 Press numeric buttons on the remote.

### 3 Continue according to the instructions on the menus to enjoy interactive playback.

To	Do this
Stop play	Press ■.
Go to the next menu page or scene	Press NEXT on the remote.
Go back to the previous menu page or scene	Press PREV on the remote.
Go back to the previous menu	Press RETURN  on the remote.
Cancel playback with PBC functions (Ver. 2.0)	In stop mode, press  /  to select the desired track, then press SELECT on the remote (or press the numeric buttons). The PBC OFF indicator lights up and playback begins from the selected track. Still images such as menu screens will not be shown.
Play with PBC functions (Ver. 2.0) after the cancellation above	In stop mode, press ■.
Select a menu number	Press numeric buttons (see "To enter a track number using the remote" on page 12.)

#### Tips

- When  appears on the TV screen, you have pressed an invalid button. Press the button indicated on the menu screen.
- "PBC" appears for the disc with PBC functions, and "PBC OFF" appears when its function is canceled.

#### Note

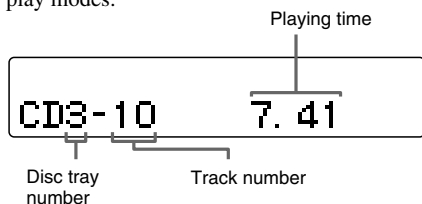
Depending on the disc, you cannot go to the next disc during playback, even if you have selected "ALL DISCS."

Press DISC SKIP on the remote to go to the next disc.

## Playing a CD

### — Normal Play/Shuffle Play/Repeat Play

This system lets you play the CD in different play modes.



**1** Press FUNCTION repeatedly to switch the function to CD.

**2** Press PLAY MODE/TUNING MODE (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears in the display.

Select	To play
ALL DISCS (Normal Play)	All CDs in the disc tray continuously.
1 DISC/ ALBUM (Normal Play)	The tracks on the CD you have selected in original order.
ALL DISCS SHUFFLE (Shuffle Play)	The tracks on all CDs in random order.
1 DISC SHUFFLE/ ALBUM SHUFFLE (Shuffle Play)	The tracks on the CD you have selected in random order.
PROGRAM (Program Play)	The tracks on all CDs in the order you want them to be played (see "Programing VIDEO CD/CD tracks" on page 15).

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

## Other Operations

To	Do this
Stop play	Press ■.
Pause	Press CD ►   (or    on the remote). Press again to resume play.
Select a track	Slide the knob to ►   (to go forward) or to ◀◀ (to go back) and release it when you locate the desired track (or press ◀◀ or ►   on the remote).
Find a point in a track (Lock Search function)	Slide and hold the knob to ◀◀ or to ►► during play to start searching. Release the knob and press CD ►   at the desired point to stop searching. (On the remote, press ◀◀ or ►► during play to start searching. Press CD ► at the desired point to stop searching.)
Select a CD	<ul style="list-style-type: none"> <li>• Press DISC 1 – 3 and play starts automatically (except during "ALL DISCS SHUFFLE").</li> <li>• Press DISC SKIP on the remote repeatedly so that DISC 1 – 3 appears. Press CD ►   (or CD ► on the remote) to play the selected disc.</li> </ul>
Remove a CD	Press one of DISC 1 – 3 ▲ to open the tray that contains the disc you want to remove.
Play repeatedly (Repeat Play)	<p>Press REPEAT/FM MODE (or REPEAT on the remote) during play until "REPEAT" or "REPEAT 1" appears.</p> <p>REPEAT*: For all the tracks on the CD up to five times.</p> <p>REPEAT 1: For a single track only.</p> <p>To cancel playing repeatedly, press REPEAT/FM MODE until "REPEAT" or "REPEAT 1" disappears.</p>

\* You cannot select "REPEAT" and "ALL DISCS SHUFFLE" at the same time.

## Tips

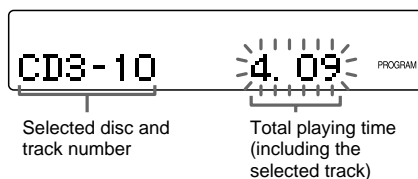
- You can start playing from the desired track in Normal Play. Slide the knob to ◀◀◀ or to ▶▶▶ (or press ◀◀◀ or ▶▶▶ on the remote) until the desired track number appears after step 2.
- The DISC 1 – 3 button indicator lights in orange when a disc is loaded on the tray. All of the DISC 1 – 3 button indicators light in orange for the first time you turn on the system, and then go out if the system determines that a disc is not loaded after the disc tray is closed, etc.

## Programing VIDEO CD/CD tracks

### — Program Play

You can make a program of up to 25 tracks.

- 1 Press **FUNCTION** repeatedly to switch the function to **CD**.
- 2 Press **PLAY MODE/TUNING MODE** (or **PLAY MODE** on the remote) repeatedly until “PROGRAM” appears.
- 3 Press **DISC 1 – 3** to select a disc.
- 4 Slide the knob to ◀◀◀ or to ▶▶▶ (or press ◀◀◀ or ▶▶▶ on the remote) until the desired track number appears.



- 5 Press **ENTER**.

The track is programmed.

“STEP” appears, followed by the number of the track in the programmed sequence. The number of the last programmed track appears, followed by the total playing time of the program.

continued

## Programming VIDEO CD/CD tracks (continued)

6 To program additional tracks, repeat steps 3 to 5.

7 Press CD ►|| (or CD ► on the remote).

To	Do this
Cancel Program Play	Press PLAY MODE/TUNING MODE repeatedly until “PROGRAM” and “SHUFFLE” disappear.
Clear a track from the end	Press CLEAR on the remote in stop mode.
Add a track to the end of the program in stop mode	Perform steps 3 to 5.

### To program the MP3 files

After step 3, press ALBUM +/- on the remote until the album you want appears, and then go to step 4.

#### Tips

- The program you made remains after Program Play finishes. To play the same program again, press CD ►||.
- “- - -” appears when the total VIDEO CD/CD program time exceeds 100 minutes, when you select a VIDEO CD/CD track whose number is 21 or over, or when you programmed MP3 files.

## Playing a disc with MP3 files

### About MP3 files

MP3 (MPEG 1 Audio Layer-3) is a standard technology and format for compressing a sound sequence. The file is compressed to about 1/10 of its original size. Sounds outside the range of human hearing are compressed while the sounds we can hear are not compressed.

#### Notes on discs

You can play MP3 files recorded on CD-ROMs, CD-Rs (recordable CDs), and CD-RWs (rewritable CDs).

The disc must be in the ISO 9660\* level 1 or level 2 format.

#### \*ISO 9660 Format

The most common international standard for the logical format of files and folders on a CD-ROM.

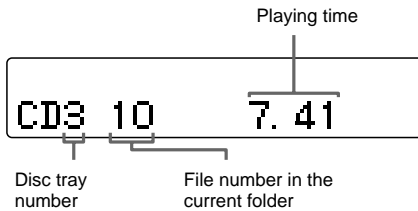
There are several specification levels. In Level 1, file names must be in the 8.3 format (no more than eight characters in the name, no more than three characters in the extension “.MP3”) and in capital letters. Folder names can be no longer than eight characters. There can be no more than eight nested folder levels. Level 2 specifications allow file names and folder names up to 31 characters long.



## Playing a disc

### — Normal Play/Shuffle Play/Repeat Play

This system lets you play the disc with MP3 files in different play modes.



**1 Press FUNCTION repeatedly to switch the function to CD.**

**2 Press PLAY MODE/TUNING MODE (or PLAY MODE on the remote) in stop mode repeatedly until the mode you want appears in the display.**

Select	To play
ALL DISCS (Normal Play)	All discs in the disc tray continuously.
1 DISC (Normal Play)	The files on the disc you have selected in original order.
ALBUM (Normal Play)	The folder you have selected in original order.
ALL DISCS SHUFFLE (Shuffle Play)	The files on all discs in random order.
1 DISC SHUFFLE (Shuffle Play)	The files on the disc you have selected in random order.
ALBUM SHUFFLE (Shuffle Play)	The files in the folder you have selected in random order.
PROGRAM (Program Play)	The files on all discs in the order you want them to be played (see “Programing VIDEO CD/CD tracks” on page 15).

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

## Other Operations

To	Do this
Stop play	Press ■.
Pause	Press CD ►   (or ►   on the remote). Press again to resume play.
Select a folder of MP3 files	Press ALBUM +/- after step 2.
Select a file	Slide the knob to ►►   (to go forward) or to ◀◀◀ (to go back) and release it when you locate the desired file (or press ◀◀◀ or ►►► on the remote).
Find a point in a file*1 (Lock Search function)	Slide and hold the knob to ◀◀ or to ►► during play to start searching. Release the knob and press CD ►   at the desired point to stop searching. (On the remote, press ◀◀ or ►► during play to start searching. Press CD ► at the desired point to stop searching.)
Select a disc	<ul style="list-style-type: none"> <li>• Press DISC 1 – 3 and play starts automatically (except during “ALL DISCS SHUFFLE”).</li> <li>• Press DISC SKIP on the remote repeatedly so that DISC 1 – 3 appears. Press CD ►   (or CD ► on the remote) to play the selected disc.</li> </ul>
Remove a disc	Press one of DISC 1 – 3 ▲ to open the tray that contains the disc you want to remove.

**continued**

## Playing a disc with MP3 files (continued)

To	Do this
Play repeatedly (Repeat Play)	Press REPEAT/FM MODE (or REPEAT on the remote) during play until “REPEAT” or “REPEAT 1” appears. REPEAT*2: For all the files on the disc up to five times. REPEAT 1: For a single file only. To cancel playing repeatedly, press REPEAT/FM MODE until “REPEAT” or “REPEAT 1” disappears.

\*1 You can search points in the same file only. The time display may not be correct depending on the file.

\*2 You cannot select “REPEAT” and “ALL DISCS SHUFFLE” at the same time.

To enter a file number using the remote

You can also select the desired file using the remote during Normal Play.

Press the numeric buttons. The playback automatically starts.

To enter a file number over 10

**1** Press >10.

**2** Enter the corresponding digits.

To enter 0, press 10/0 instead.

Example:

- To enter file number 30, press >10, then 3 and 10/0.
- To enter file number 15 in the folder containing more than 100 files, press >10, then 10/0, 1 and 5.

Tips

- You can start playing from the desired file in Normal Play. First select the folder using ALBUM +/- on the remote, then slide the knob to ◀◀◀ or to ▶▶▶ (or press ◀◀◀ or ▶▶▶ on the remote) until the desired file number appears after step 2.
- The DISC 1 – 3 button indicator lights in orange when a disc is loaded on the tray.  
All of the DISC 1 – 3 button indicators light in orange for the first time you turn on the system, and then go out if the system determines that a disc is not loaded after the disc tray is closed, etc.

Notes

- With formats other than ISO 9660 level 1 and 2, folder names or file names may not be displayed correctly.
- When naming files, be sure to add the file extension “.MP3” to the file name.
- If you use the extension “.MP3” with a file other than an MP3 file, the unit cannot read the file properly and will generate random noise that could damage your speakers.
- A disc recorded with a complicated tree structure takes longer to start playback.
- When the disc is inserted, the player reads all the files on that disc. If there are many folders or any non-MP3 files on the disc, it may take a long time for the player to begin or for the next MP3 files to start to play.
- We recommend that you do not save files other than MP3 files or unnecessary folders on the disc to be used for MP3 listening.
- A folder that does not include an MP3 file is skipped.
- Maximum number of folders on a disc: 255 (The maximum number of MP3 files and folders that can be contained on a single disc is 512.)
- When you store the files and folders in a tree structure, files in a maximum of 8 levels can be played.
- Files and folders are played in the order they are recorded on the disc.
- Depending on the encoding/writing software, recording device, or the recording media used at the time an MP3 file is recorded, you may encounter such problems as disabled playback, sound interruptions, and noise.

## Locating a specific part of a VIDEO CD

### — Time Search/Disc Digest

The TV screen must be ON to use these functions.

Use the remote for the operation.

Tips

- When you stop playback, press ■.
- When you use VIDEO CDs with PBC functions (Ver. 2.0), cancel the PBC functions (see “Cancel playback with PBC functions (Ver. 2.0)” on page 13).

Note

If you press SPECIAL MENU to activate Time Search or Disc Digest in Program or Shuffle Play mode, it becomes ALL DISCS (Normal Play) mode.

### Locating by elapsed time

#### — Time Search

- 1 Press **SPECIAL MENU** in stop mode.
- 2 Press **1** to select “1) TIME SEARCH.”
- 3 Press the numeric buttons to enter the time (in minutes) for the desired section.

The selected elapsed time appears on the TV screen.

To reenter the time, press CLEAR, and then press the numeric buttons again.

- 4 Press **SELECT**.

Playback starts from the selected time.

### Locating the desired track

#### — Disc Digest

You can select the desired track by viewing the first frame of each track. Nine different tracks can be displayed on the TV screen at one time.

- 1 Press **SPECIAL MENU** in stop mode.
- 2 Press **2** to select “2) DISC DIGEST.”  
The first frame of tracks 1 through 9 on the current disc appear.
- 3 Press the numeric buttons to select the desired track.

To display the next 9 tracks

Press NEXT. The first frame of tracks 10 through 18 appear.

When there are more tracks in the disc, “▶▶▶” appears in the upper right corner of the TV screen.

To display previous tracks, press PREV.

## Resuming playback from the point you stopped a VIDEO CD

### — Resume Play

The system memorizes the point where you stopped the VIDEO CD so that you can resume from that point.

Note that Resume Play is not available when playing an audio CD and a disc with MP3 files.

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

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

#### 2 Press CD ►|| (or CD ► on the remote).

The player starts playback from the point you stopped the VIDEO CD in step 1.

#### To view from the beginning of the VIDEO CD

When “RESUME” appears on the TV screen, press ■, then press CD ►|| (or CD ► on the remote).

#### Notes

- Resume Play is not available in the Digest, Shuffle, or Program Play modes.
- Depending on where you stopped the VIDEO CD, the player may resume playback from a different point.
- Resume play is cleared when:
  - you operate numeric buttons, PLAY MODE, ■, DISC SKIP, or ◀◀/▶▶.
  - you remove the VIDEO CD.
  - you turn off the system.
  - you change the function.
  - you unplug the AC power cord.

## Presetting radio stations

You can preset up to 20 FM stations and 10 AM stations. You can then tune in any of those stations simply by selecting the corresponding preset number.

There are two ways to store the station presets.

To	Method
Automatically tune in all of the stations that can be received in your area and then store them manually	Automatic Tuning Preset
Manually tune in and store the radio frequency of your favorite stations	Manual Tuning Preset

## Setting presets through automatic tuning

#### 1 Press TUNER/BAND repeatedly to select “FM” or “AM.”

#### 2 Press PLAY MODE/TUNING MODE until “AUTO” appears.

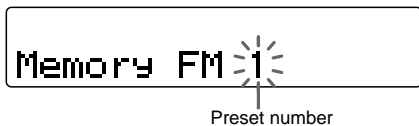
#### 3 Slide the knob to ◀◀ or to ▶▶ (or press ◀◀ or ▶▶ on the remote).

The frequency indication changes and the scanning stops when the system tunes in a station. “TUNED” and “STEREO” (for a stereo program) appear.

#### If “TUNED” does not appear and the scanning does not stop

Set the frequency of the desired radio station as described in step 2 through 7 of “Setting presets through manual tuning” on page 21.

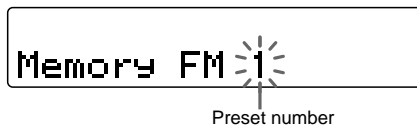
- 4 Press **TUNER MEMORY/DIRECTION**.
- 5 Slide the knob to **◀◀** or to **▶▶** (or press **◀◀** or **▶▶** on the remote) repeatedly to select the desired preset number.



- 6 Press **ENTER**.  
"Complete!" appears, and the station is stored.
- 7 Repeat steps 1 to 6 to store other stations.

## Setting presets through manual tuning

- 1 Press **TUNER/BAND** repeatedly to select "FM" or "AM."
- 2 Press **PLAY MODE/TUNING MODE** until "AUTO" and "PRESET" disappear.
- 3 Slide the knob to **◀◀** or to **▶▶** (or press **◀◀** or **▶▶** on the remote) repeatedly to tune in the desired station.
- 4 Press **TUNER MEMORY/DIRECTION**.
- 5 Slide the knob to **◀◀** or to **▶▶** (or press **◀◀** or **▶▶** on the remote) repeatedly to select the desired preset number.



- 6 Press **ENTER**.  
"Complete!" appears, and the station is stored.
- 7 Repeat steps 1 to 6 to store other stations.

## Other operations

To	Do this
Tune in a station with a weak signal	Follow the procedure described in "Setting presets through manual tuning".
Stop setting presets	Press <b>TUNER MEMORY/DIRECTION</b> .
Stop scanning	Press <b>PLAY MODE/TUNING MODE</b> .
Change the preset station	Start over from step 1.
Change the preset number	Start over from step 1.

continued

## Presetting radio stations (continued)

To change the AM tuning interval  
The AM tuning interval is factory-set to 9 kHz (10 kHz in some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding REPEAT/FM MODE, turn the system back on. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

### Note

You cannot change the AM tuning interval in the Power Saving Mode.

### Tips

- The preset stations are retained for about a day even if you disconnect the power cord or if a power failure occurs.
- To improve broadcast reception, reorient or move the supplied antennas near a window or outdoors.

## Listening to the radio

You can listen to a radio station either by selecting a preset station, or by manually tuning in the station.

### Listening to a preset station

#### — Preset Tuning

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 20).

- 1 Press **TUNER/BAND** repeatedly to select "FM" or "AM."
- 2 Press **PLAY MODE/TUNING MODE** until "PRESET" appears.
- 3 Slide the knob to  $\lll$  or to  $\ggg$  (or press  $\lll$  or  $\ggg$  on the remote) to select the desired preset station.

### Listening to a non-preset radio station

#### — Manual Tuning

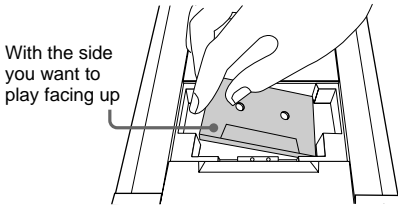
- 1 Press **TUNER/BAND** repeatedly to select "FM" or "AM."
- 2 Press **PLAY MODE/TUNING MODE** until "PRESET" and "AUTO" disappear.
- 3 Slide the knob to  $\lll$  or to  $\ggg$  (or press  $\lll$  or  $\ggg$  on the remote) to tune in the desired station.

### Tips

- To improve broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.
- When an FM stereo program has static noise, press REPEAT/FM MODE repeatedly until "MONO" appears. There will be no stereo effect, but the reception will improve.
- To tune in automatically, press PLAY MODE/TUNING MODE repeatedly until "AUTO" appears in step 2 above, then slide the knob to  $\lll$  or to  $\ggg$  (or press  $\lll$  or  $\ggg$  on the remote). The frequency indication changes and scanning stops when the system tunes in a station (Automatic Tuning).

## Loading a tape

- 1 **Open the lid with your hand and insert a tape.**



To remove the tape, lift up the tape from the side as shown in the illustration.

- 2 **Close the lid with your hand.**

## Playing a tape

You can use TYPE I (normal) tape.

- 1 **Press FUNCTION repeatedly to switch the function to TAPE.**
- 2 **Press TUNER MEMORY/DIRECTION repeatedly until  $\rightleftarrows$  appears to play one side or  $\rightleftarrows$  (or  $\rightleftarrows$ \*) to play both sides.**
- 3 **Press TAPE  $\blacktriangleleft\blacktriangleright$ .**  
Press TAPE  $\blacktriangleleft\blacktriangleright$  again to play the bottom side.

\* The tape deck stops automatically after repeating the sequence five times.

To	Do this
Stop play	Press ■.
Pause	Press $\text{II}$ on the remote. Press again to resume play.
Fast-forward or rewind	Slide the knob to $\blacktriangleleft$ or to $\blacktriangleright$ (Press $\blacktriangleleft$ or $\blacktriangleright$ on the remote).

### Notes

- If you do not close the lid, you cannot start playing the tape.
- If you open the lid while playing a tape, the deck stops playing.

## Recording to a tape

### — CD Synchro Recording/Recording Manually/Program Edit

You can record from a disc, radio or connected components. You can use TYPE I (normal) tapes. The recording level is adjusted automatically.

Steps	Recording from a disc (CD Synchro Recording)	Recording from a disc (or connected components)/radio manually
1	Load a recordable tape.	
2	Press DISC 1 – 3 ▲.	Press FUNCTION repeatedly to select the desired source to record.
3	Load the disc you want to record.	Load the disc (or other audio source), or tune in the station you want to record.
4	Press CD SYNC.	Press REC PAUSE/START.
	The tape deck stands by for recording. When you want to record on the bottom side, press TAPE ◀▶.	
5	Press TUNER MEMORY/DIRECTION repeatedly to select ⇌ to record on one side. Select ⇌ (or ⇌) to record on both sides.	
6	Press REC PAUSE/START.	Press REC PAUSE/START, and then start playing the desired source.

To stop recording

Press ■.

Tips

- When you record on both sides, be sure to start from the top side. If you start from the bottom side, recording stops at the end of the bottom side.
- For CD Synchro Recording:  
If you select both sides recording and the tape reaches the end of the top side part-way through a track, the entire track is recorded again from the beginning of the bottom side.
- For recording from the radio:  
If noise is heard while recording from the radio, move the respective antenna to reduce the noise.



## Recording a VIDEO CD/CD by specifying track order

### — *Program Edit*

- 1 **Load a disc and load a recordable tape.**
- 2 **Program the tracks following step 2 to 6 in “Programing VIDEO CD/CD tracks” on page 15.**
- 3 **Press CD SYNC.**

The tape deck stands by to record. The VIDEO CD/CD player stands by for playback.
- 4 **Press TUNER MEMORY/DIRECTION repeatedly to select  $\rightleftarrows$  to record on one side. Select  $\rightarrow$  (or  $\leftarrow$ ) to record on both sides.**
- 5 **Press REC PAUSE/START.**

Recording starts.

To record a disc with MP3 files by specifying file order

After step 1, program the MP3 files following the procedure in “To program the MP3 files” on page 16, then proceed to step 3 above.

#### Tip

To check the required tape length for recording a disc, press EDIT after you have loaded a disc. The required tape length for the currently selected disc appears, followed by the total playing time for side A and side B respectively (**Tape Select Edit**).

#### Notes

- You cannot use Tape Select Edit for discs containing over 20 tracks.
- You cannot use Tape Select Edit for discs containing MP3 files.

## Timer-recording radio programs

To timer-record, you must first preset the radio station (see “Presetting radio stations” on page 20) and set the clock (see “Setting the clock” on page 10).

- 1 **Tune in the preset radio station (see “Listening to the radio” on page 22).**
- 2 **Press CLOCK/TIMER SET on the remote.**

“DAILY SET?” appears.
- 3 **Press  $\uparrow$  or  $\downarrow$  on the remote to select “REC SET?”, then press ENTER.**

“ON” appears and the hour indication flashes.
- 4 **Set the time to start recording.**

Press  $\uparrow$  or  $\downarrow$  on the remote to set the hour, then press ENTER.  
The minute indication flashes.  
Press  $\uparrow$  or  $\downarrow$  on the remote to set the minute, then press ENTER.
- 5 **Set the time to stop recording following the procedure in step 4.**
- 6 **Insert a recordable tape.**

Recording starts from the top side. Insert a tape with the side you want to record on facing up.
- 7 **Press I/⏻ to turn off the system.**

continued

## Timer-recording radio programs (continued)

To	Do this
Activate/check the setting	Press CLOCK/TIMER SELECT on the remote and press ↑ or ↓ on the remote to select “REC SELECT?”, then press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	Press CLOCK/TIMER SELECT on the remote and press ↑ or ↓ on the remote to select “TIMER OFF”, then press ENTER.

### Notes

- When you use the recording timer at the same time as the Sleep Timer, the Sleep Timer setting has priority.
- You cannot activate the Daily Timer and the recording timer at the same time.
- The system automatically turns on about 30 seconds before the preset time. Do not operate the system until the recording starts.
- If the system is on about 30 seconds before the preset time, the timer-recording will not be activated.
- The volume is reduced to minimum during recording.

## Adjusting the sound

### Enjoying the powerful sound

#### — GROOVE

You can listen to music with more powerful sound.

#### Press GROOVE.

“GROOVE” appears in the display and the volume switches to power mode (DBFB is also turned on).

Press again to cancel GROOVE.

DBFB is also canceled.

#### Tip

GROOVE is factory set to on.

### Reinforcing the bass sound

#### — DBFB

You can listen to music with stronger bass tones.

#### Press DBFB\*.

“DBFB” appears in the display and the bass is reinforced.

Press again to cancel DBFB.

\* DBFB: Dynamic Bass Feedback

#### Tip

DBFB is factory set to on.

### Selecting the surround effect

#### Press SURROUND.

“SURROUND” appears in the display.

Press again to cancel SURROUND.

## Selecting the preset music menu

The audio emphasis menu lets you select the sound characteristics according to the sound you are listening to.

**Press MUSIC MENU repeatedly (or MUSIC MENU +/- on the remote) to select the preset you want.**

The preset name appears in the display. See the chart “Music menu options”.

Music menu options

“SURROUND” appears if you select an effect with surround effects.

Effect	Recommended for
ROCK	Standard music sources
POP	
JAZZ	
DANCE	
SOUL	
ACTION	Soundtracks and special listening situations
DRAMA	
GAME	
SF	
FLAT	Canceling the effect
P FILE	See “Adjusting the equalizer and storing” to the right.

To cancel the effect

Press MUSIC MENU repeatedly (or MUSIC MENU +/- on the remote) until “FLAT” appears.

## Adjusting the equalizer and storing

You can adjust the sound by raising or lowering the levels of specific frequency ranges, then store the personal file (P FILE) in the memory.

Select the audio emphasis you want for your basic sound first.

### 1 Press EQ EDIT.

“LOW” appears and you can adjust the low frequency band.

### 2 Slide the knob to ◀◀◀ or to ▶▶▶ to adjust the level, then press EQ EDIT.

The low frequency band is set and “MID” appears.

### 3 Slide the knob to ◀◀◀ or to ▶▶▶ to adjust the level, then press EQ EDIT.

The middle frequency band is set and “HIGH” appears.

### 4 Slide the knob to ◀◀◀ or to ▶▶▶ to adjust the level.

### 5 Press ENTER.

The setting is automatically stored as the personal file (P FILE in the music menu).

To cancel storing the adjustment  
Press EQ EDIT again after step 4.

Note

When you store a new setting, the previous setting will be canceled.

## Falling asleep to music

### — Sleep Timer

You can set the system to turn off after a certain time, so that you can fall asleep to music.

#### Press SLEEP on the remote.

Each time you press the button, the minute display (the turn-off time) changes cyclically as follows:

AUTO\* → 90min → 80min → ... → 10min  
→ OFF

\* The system automatically turns off after the current VIDEO CD, CD or tape finishes playing (up to 100 minutes).

When the function is TUNER, the system turns off after 100 minutes.

To	Press
Check the remaining time**	SLEEP on the remote once.
Change the time to turn off	SLEEP on the remote to select the time you want.
Cancel the Sleep Timer function	SLEEP on the remote repeatedly until "SLEEP OFF" appears.

\*\*You cannot check the remaining time if you set to "AUTO."

## Waking up to music

### — Daily Timer

You can wake up to music at a preset time. Make sure you have set the clock (see "Setting the clock" on page 10).

#### 1 Prepare the sound source you want to play.

- Disc: Place a disc. To start from a specific track, make a program (see "Programming VIDEO CD/CD tracks" on page 15).
- Tape: Insert a tape.
- Radio: Tune in a station (see "Listening to the radio" on page 22).

#### 2 Press VOL + or – on the remote to adjust the volume.

#### 3 Press CLOCK/TIMER SET on the remote. "DAILY SET?" appears.

#### 4 Press ENTER. "ON" appears and the hour indication flashes.

#### 5 Set the time to start playing.

Press ↑ or ↓ on the remote to set the hour, then press ENTER.

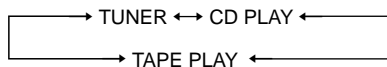
The minute indication flashes.

Press ↑ or ↓ on the remote to set the minute, then press ENTER.

#### 6 Set the time to stop playing following the procedure in step 5.

#### 7 Press ↑ or ↓ on the remote to select the desired sound source.

The indication changes as follows:



**8 Press ENTER.**

The start time, the stop time, and the sound source appear in turn, then the original display returns.

**9 Press I/⏻ to turn off the system.**

To	Do this
Activate/check the setting	Press CLOCK/TIMER SELECT on the remote, then press ↑ or ↓ on the remote until “DAILY SELECT?” appears. Then, press ENTER.
Change the setting	Start over from step 1.
Cancel the timer	Press CLOCK/TIMER SELECT on the remote, then press ↑ or ↓ on the remote until “TIMER OFF” appears. Then, press ENTER.


**Notes**

- If the system is on about 30 seconds before the preset time, the Daily Timer will not be activated.
- The system automatically turns on about 30 seconds before the preset time. Do not operate the system until the play starts.
- You cannot activate the Daily Timer and the recording timer at the same time.

**Singing along: Karaoke**

You can sing along with any stereo CD by turning down the singer’s voice. You need to connect an optional microphone.


- 1 Turn MIC LEVEL to MIN to turn down the microphone control level.**
- 2 Connect an optional microphone to MIC.**
- 3 Press KARAOKE PON/MPX repeatedly to obtain the karaoke effect you desire.**  
Each time you press the button, the display changes cyclically as follows:  
KARAOKE PON → MPX R → MPX L → KARAOKE OFF

The  indicator appears when karaoke mode is activated.

To sing karaoke of multiplex CD, select “MPX R” or “MPX L.”


- 4 Start playing the music.**
- 5 Adjust the microphone volume by turning MIC LEVEL.**

After you have finished

Turn MIC LEVEL to MIN and disconnect the microphone from MIC, then press KARAOKE PON/MPX repeatedly until “” disappears.

continued

## Singing along: Karaoke (continued)




To	Do this
Use VIDEO CDs	Turn on your TV and switch it to the appropriate video input.
Cancel karaoke mode	Turn MIC LEVEL to MIN and disconnect the microphone from MIC, then press KARAOKE PON/MPX repeatedly until “  ” disappears.
Adjust the key*	Press KEY CONTROL <b>#/b</b> to suit your vocal range. You can adjust the key higher or lower in 13 half-tone steps ( <b>b</b> 6 to <b>#</b> 6). This function can be used in the CD function mode only.

\* Does not work with MP3 files.

### Notes

- With some songs, vocals may not be canceled when you select “KARAOKE PON.”
- During KARAOKE PON, equalizer and surround settings cannot be changed.
- If you select a sound effect, the karaoke mode is canceled.
- The instrumental sound may be reduced as well as the singer’s voice when the sound is recorded in monaural.
- The singer’s voice may not be reduced when:
  - only a few instruments are playing.
  - a duet is being played.
  - the source has strong echoes or chorus.
  - the singer’s voice deviates from the center.
  - the voice on the source is singing in high soprano or tenor.

## Mixing and recording sounds

- 1 Do the procedure for “Singing along” (steps 1 through 5). Then, load a recordable tape.
- 2 Press **FUNCTION** repeatedly to select the source you want to record and set it to pause mode.
- 3 Press **REC PAUSE/START**.
- 4 Press **TUNER MEMORY/DIRECTION** repeatedly to select  to record on one side. Select  (or ) to record on both sides.
- 5 Press **REC PAUSE/START**.
- 6 Start playing the disc.  
Start singing along with the music.

### To stop recording

Press 

### Tips

- If acoustic feedback (howling) occurs, move the microphone away from the speakers or change the direction of the microphone.
- If you want to record your voice through the microphone only, you can do so by selecting the CD function, but not playing a disc.
- When high level sound signals are input, the system automatically adjusts the recording level to prevent distortion of the recorded sound signal (Auto Level Control Function).

## Turning off the display

### — Power Saving Mode

The demonstration display (display window and buttons lighting and flashing even when the system power is off) and the clock display can be turned off to minimize the amount of power consumed during standby (Power Saving Mode).

**Press DISPLAY repeatedly while the system is off until the demonstration display or the clock display disappears.**

To cancel the Power Saving Mode Press DISPLAY while the system is off. Each time you press the button, the display switches cyclically as follows:

Demonstration display → Clock display\* → No display (Power Saving Mode)

\* “--:--” is displayed if you do not set the clock.

#### Tips

- The I/⏻ indicator lights up even in Power Saving Mode.
- The timer continues to operate in Power Saving Mode.

## Adjusting the brightness of the display back light

**1 Press DIMMER while the system is on.**

**2 Slide the knob to ◀◀ or ▶▶ (or press ◀◀ or ▶▶ on the remote) to adjust the back light brightness.**

You can adjust the back light brightness in 11 steps from 0 to 10.

## Using the display

You can check the remaining time of the current track or the entire disc.

When a CD-TEXT disc or a disc with MP3 files is loaded, you can also check the information recorded on the disc, such as the titles.

### Press DISPLAY.

During normal playback

Elapsed playing time of the current track →  
 Remaining time of the current track\*<sup>1</sup> →  
 Remaining time of the disc\*<sup>2</sup> → Track title of CD-TEXT disc\*<sup>3</sup> or file name of MP3 file →  
 Folder name of MP3 file (for a few seconds)\*<sup>4</sup> →  
 Clock display (for 8 seconds) → Effect status (for 8 seconds)

During playback with PBC function (VIDEO CD Ver. 2.0)

Elapsed playing time of the current track\*<sup>5</sup> →  
 Clock display (for 8 seconds) → Effect status (for 8 seconds)

In stop mode

Total number of tracks or albums and total playing time\*<sup>6</sup> → Disc title\*<sup>7</sup> or title name of the current folder\*<sup>8</sup> → Clock display (for 8 seconds) → Effect status (for 8 seconds)

\*<sup>1</sup> “--:--” appears when playing the program containing more than 20 tracks or 100 minutes, or MP3 files.

\*<sup>2</sup> “--:--” appears in “ALL DISCS,” “SHUFFLE” or “PROGRAM” mode, or when playing MP3 files.

\*<sup>3</sup> CD-TEXT will not be displayed for track number 21 or over.

\*<sup>4</sup> Only for MP3 files.

\*<sup>5</sup> May not appear with still images.

\*<sup>6</sup> Total playing time will not appear for the discs with MP3 files.

\*<sup>7</sup> Only for CD-TEXT discs or discs with MP3 files. CD-TEXT will not be displayed for track number 21 or over.

\*<sup>8</sup> Only for MP3 files.

continued

## Using the display (continued)

### Notes

- Depending on the disc, some information or CD-TEXT characters may not appear.
- The display contents differ depending on the play mode.

## Using the on-screen display

You can check the current operating status and disc information of VIDEO CDs or audio CDs during playback or in stop mode. Depending on the conditions, some items are displayed and others are not.

### Press ON SCREEN on the remote.

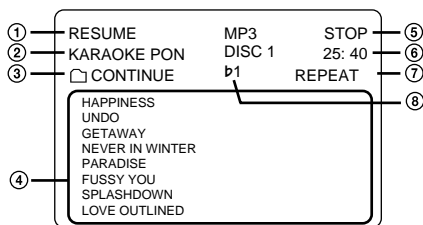
Each time you press this button, the on-screen display changes cyclically as follows:

ON SCREEN 1 → ON SCREEN 2 →

ON SCREEN OFF\*

\* No display. Note, however, that the respective display appears during Time Search/Disc Digest.

### ON SCREEN 1, 2 display



- | ① | When            | The display shows:            |
|---|-----------------|-------------------------------|
|   | In stop mode    | “RESUME” or no display        |
|   | During playback | Current disc and track number |
- ② KARAOKE effect status
- ③ Play mode (Ⓛ) All discs/Ⓜ One disc/  
□ Album) or “AUTO PBC”\*

\* “AUTO PBC” appears for a VIDEO CD with PBC functions.



④ When	The display shows:
In stop mode of a disc with MP3 files	Folder name
In Program Play mode	Programed disc and track number
During playback of a disc with MP3 files*	Current folder name and file name
Other conditions	No display

\* When the MP3 file information includes an ID3 tag, the on-screen display shows the file name, which may differ from the ID3 information shown on the system display.

⑤ When	The display shows:
During playback	Elapsed time of current track
In stop mode	“STOP”

⑥ When	The display shows:
In stop mode	Total playing time of the current disc*

\* In Program Play mode, total playing time of the program appears.

⑦ “REPEAT,” “REPEAT 1” or no display

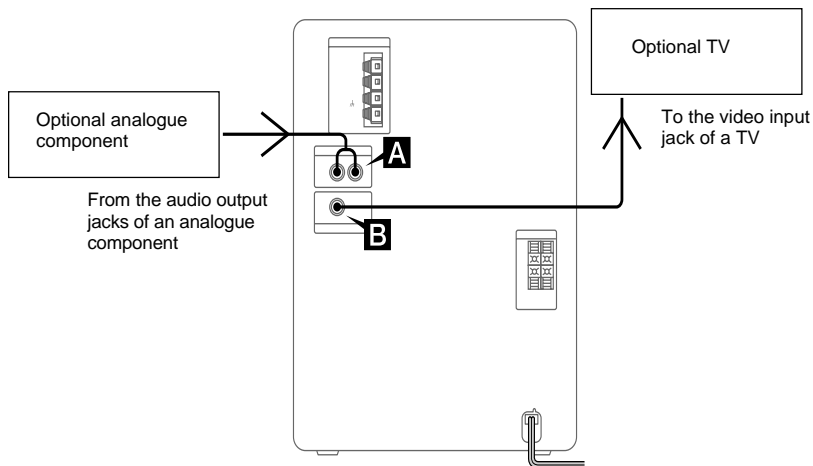
⑧ Key control level or no display

Notes

- Normally, leave the display mode set to either ON SCREEN 1 or 2. When you select ON SCREEN OFF, you cannot check the operating status on the TV screen.
- When you record video signals played back from this system onto a video tape, etc., be sure to select ON SCREEN OFF. Otherwise, the display information will also be recorded on the video tape.
- You may hear noise when switching the on-screen display.

## Hooking up optional components

You can connect an analogue component to this system.



### **A** MD (VIDEO) IN jacks

Use audio cords (not supplied) to connect an optional component (such as an MD player or VCR) to these jacks. You can then record or listen to analogue audio from that component through this system.

### **B** VIDEO OUT jack

Use the video cable (supplied) to connect the video input of a TV to this jack.

## Listening to audio from a connected component

### 1 Connect the audio cords.

See “Hooking up optional components” on page 34.

### 2 Press MD (VIDEO) to switch the function to MD or VIDEO.

Start playing the connected component.

#### Notes

- Pressing FUNCTION and I/⏻ while the power is off automatically turns the power on and “VIDEO” is selected as a function. When the system is in the Power Saving Mode, this function does not work.
- If the sound is distorted or too loud when selecting “VIDEO,” or you want to switch back to “MD,” repeat the operation described above to switch to “MD.”

## Recording audio from a connected component

### 1 Connect the audio cords.

See “Hooking up optional components” on page 34.

### 2 Start recording manually.

See “Recording to a tape” on page 24.

#### Notes

- Pressing FUNCTION and I/⏻ while the power is off automatically turns the power on and “VIDEO” is selected as a function. When the system is in the Power Saving Mode, this function does not work.
- If the sound is distorted or too loud when selecting “VIDEO,” or you want to switch back to “MD,” repeat the operation described above to switch to “MD.”

## Problems and remedies

If you have any problem using this system, use the following checklist.

First, check that the power cord is connected firmly and that the speakers are connected correctly and firmly.

Should any problem persist, consult your nearest Sony dealer.

### General

---

#### The display window and buttons keep on or flashing even the power is turned off.

- When the power is off, press DISPLAY on the remote repeatedly and select the clock display or Power Saving Mode (no display) (see page 31).

---

#### “--:--” appears in the display.

- Set the clock again (see page 10).

---

#### There is no sound.

- Turn VOL upward (or press VOL+ on the remote).
- Make sure the headphones are not connected.
- Check the speaker connections (see page 7).

---

#### Sound comes from one channel, or unbalanced left and right volume.

- Connect the speaker cords properly (see page 7).
- Place the speakers as symmetrically as possible.
- Connect only one of the supplied speakers to each set of speaker terminals.
- Connect the supplied speakers.

---

#### There is no microphone sound.

- Turn VOL or MIC LEVEL to adjust the microphone volume.
- Make sure the microphone is connected to the MIC jack correctly.

---

#### There is severe hum or noise.

- Move the system away from the source of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (commercially available) to the power line.

---

#### The timer cannot be set.

- Set the clock again (see page 10).

---

#### The timer does not function.

- Press CLOCK/TIMER SELECT on the remote to set the timer and light up “DAILY” or “REC” in the display (see page 26, 29).
- Check the set contents and set the correct time (see page 26, 29).

---

#### The remote does not function.

- Remove the obstacle.
- Move the remote closer to the system.
- Point the remote at the system’s sensor.
- Replace the batteries (R6/size AA).
- Locate the system away from the fluorescent light.

---

#### “PROTECT” and “PUSH POWER” appear alternately.

- Press I/⏻ (power) to turn off the system. Turn on the system again after a while.
- Check the speaker connections (see page 7).

---

### VIDEO CD/CD Player

---

#### There is no picture.

- Check that the player is connected correctly and securely.
- Make sure you operate the TV correctly.
- Make sure you set the color system correctly, according to your TV (color) system (see page 8).
- Press FUNCTION repeatedly until “CD” appears in the display.

---

#### The disc tray does not close.

- Place the disc correctly in the center of the tray.
- Always close the tray by pressing DISC 1 – 3 ▲. Trying to close the tray by pushing with your fingers may cause a malfunction to the VIDEO CD/CD player.

---

#### The disc does not eject.

- Consult your nearest Sony dealer.

---

**Play does not start.**

- Open the disc tray and check whether a disc is loaded.
  - Wipe the disc clean (see page 41).
  - Replace the disc.
  - Place the disc correctly in the center of the tray.
  - Place the disc in the tray with the label side up.
  - Remove the disc and wipe away the moisture on the disc, then leave the system turned on for a few hours until the moisture evaporates.
  - Press CD ►|| to start play.
- 

**The sound skips.**

- Wipe the disc clean (see page 41).
  - Replace the disc.
  - Try moving the system to a place without vibration (e.g., on top of a stable stand).
  - Try moving the speakers away from the system, or placing them on separate stands.
  - When you listen to a track with bass sounds at high volume, the speaker vibration may cause the sound to skip.
- 

**Play does not start from the first track.**

- Press PLAY MODE/TUNING MODE in stop mode repeatedly until “PROGRAM” or “SHUFFLE” disappears to return to Normal Play.
- 

**The disc tray does not open and “LOCKED” appears.**

- Contact your Sony dealer or local authorized Sony service facility.
- 

**MP3 files cannot be played back.**

- Recording was not performed according to the ISO 9660 level 1 or level 2 format.
  - The file extension “.MP3” is not added to the file name.
  - Files are not stored in MP3 format.
  - Discs containing files other than MPEG 1 Layer-3 will not be played.
  - Files smaller than 64 kbytes will not be played.
- 

**MP3 files take longer to play back than others.**

- After the unit read all files on the disc, playback may take more time than usual if:
- the number of folders or files on the disc is very large.
  - the folder and file organization structure is very complicated.
- 

**The folder title, track title and ID3 tag do not appear correctly.**

- The disc was not recorded in conformance with ISO 9660 level 1. Use a disc that conforms with ISO 9660 level 1.
- 

**The folder title, track title and ID3 tag appear as spaces. The CD-TEXT characters do not appear correctly.**

- This system can display only the ASCII character code correctly. Other characters may appear incorrectly.
- 

**About ID3 tag version 2**

Although not a malfunction, the following occurs when an MP3 file containing ID3 tag ver. 2 is played:

- When skipping a portion of ID3 tag ver. 2 (at the beginning of the track), sound is not output. Skip time changes depending on ID3 tag ver. 2 capacity. Example: At 64 kbytes, it is about 2 seconds (with RealJukebox\*).
  - When skipping a portion of ID3 tag ver. 2, the displayed elapsed playing time is inaccurate. For MP3 files of a bit rate other than 128 kbps, time is not displayed accurately during playback.
  - When an MP3 file is created with MP3 conversion software (ex. RealJukebox\*), ID3 tag ver. 2 will automatically be written.
- \* “RealJukebox” is a registered trademark of RealNetworks, Inc.  
As of December, 2001

**continued**

## **Problems and remedies (continued)**

### Tape Deck

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#### **The tape does not record.**

- The tab has been removed from the cassette. Cover the broken tab with adhesive tape (see page 41).
  - The tape has wound to the end.
- 

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

- The heads are dirty. Clean them.
  - The record/playback heads are magnetized. Demagnetize them (see page 41).
- 

#### **The tape does not erase completely.**

- The record/playback heads are magnetized. Demagnetize them (see page 41).
- 

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

- The capstans in the tape deck are dirty. Clean them using a cleaning cassette.
- 

#### **Noise increases or the high frequencies are erased.**

- The record/playback heads are magnetized. Demagnetize them (see page 41).
- 

### Optional components

---

#### **There is no sound.**

- Refer to General item “There is no sound.” on page 36 and check the condition of the system.
  - Connect the component properly (see page 34) while checking:
    - if the cords are connected properly.
    - if the cord plugs are firmly inserted all the way.
  - Turn on the connected component.
  - Refer to the operating instructions provided with the connected component and start playing.
- 

#### **The sound is distorted.**

- Set the volume of the connected component lower.
- 

### Tuner

---

#### **Severe hum or noise/stations cannot be received.**

- Set the proper band and frequency (see page 20).
  - Connect the antenna properly (see page 7).
  - Find a place and an orientation that provide good reception, then set up the antenna again. If you cannot obtain good reception, we recommend you connect a commercially available external antenna.
  - The supplied FM lead antenna receives signals along its entire length, so make sure you extend it fully.
  - Locate the antennas as far away from the speaker cords as possible.
  - Consult your nearest Sony dealer if the supplied AM antenna has come off the plastic stand.
  - Try turning off surrounding electrical equipment.
- 

#### **A stereo FM program cannot be received in stereo.**

- Press REPEAT/FM MODE until “STEREO” appears in the display.
  - See “Severe hum or noise/stations cannot be received.”, and check the antenna condition.
-

If the system still does not operate properly after performing the above measures, reset the system as follows:

- 1 Unplug the power cord.
- 2 Plug the power cord back into the wall outlet.
- 3 Press I/⏻ to turn on the system.
- 4 Press ■, I/⏻ and ENTER at the same time.
- 5 Unplug the power cord.
- 6 Plug the power cord back into the wall outlet, then press I/⏻ to turn on the system.

The system is reset to the factory settings. All the settings you made such as the preset stations, clock and timer are cleared and must be set again.

Note

You cannot reset the system in Power Saving Mode.

## Messages

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

### VIDEO CD/CD/MP3 files

---

#### **Cannot Edit**

You tried to use Tape Select Edit for discs containing over 20 tracks.

---

#### **No Disc**

There is no disc in any of DISC 1 – 3.

---

#### **Cannot Use**

You pressed an invalid button.

---

#### **NO STEP**

You have cleared all the tracks you programmed.

---

#### **OVER**

- You have reached the end of the disc while pressing ►► during play or pause.
  - When fast-forwarding an MP3 file, it comes to the end of the file.
- 

#### **Push STOP!**

You pressed PLAY MODE/TUNING MODE during play.

---

#### **Step Full!**

You tried to program 26 or more tracks (steps).

---

#### **TOC Reading**

The system is reading the TOC information of the disc. Some buttons are not available.

---

### TAPE

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#### **No Tab**

You cannot record the tape because the tab has been removed from the cassette.

---

#### **No Tape**

There is no tape in the tape deck.

---

#### **Open**

You performed a tape operation with the tape deck lid not completely shut.

---

### 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 if it is not to be used for an extended period of time.  
To disconnect the power cord, 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

- Make sure the system fan is on during use.  
Place the system in a location with adequate air circulation, and do not place anything on top of the system.
- 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.
- Use caution when placing the unit or speakers on surfaces that have been specially treated (with wax, oil, polish, etc.) as staining or discoloration of the surface may result.

#### On heat build up

- Although the system 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 to a warm location, 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 you move the system, take out any discs.

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



## Notes on discs

- Before playing, clean the disc with a cleaning cloth. Wipe the disc from the center out.
- Do not use a disc with tape, seals, or paste on it as this may damage the player.
- Do not use solvents.
- Do not expose the disc 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

Use a soft cloth slightly moistened with mild detergent solution.

## Before placing a cassette in the tape deck

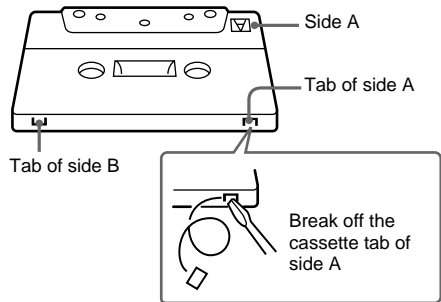
Take up any slack in the tape. Otherwise, the tape may get entangled in the parts of the tape deck and become damaged.

## When using a tape longer than 90 minutes

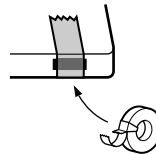
The tape is very elastic. Do not change the tape operations such as play, stop, and fast-winding frequently. The tape may get entangled in the tape deck.

## To save a tape permanently

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



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



## Cleaning the tape heads

Clean the tape heads after every 10 hours of use. Be sure to clean the tape heads before you start an important recording or after playing an old tape. Use a separately sold 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 separately sold demagnetizing cassette. For details, refer to the instructions of the demagnetizing cassette.

# Specifications

## Main Unit (HCD-CV40)

### Amplifier section

Measured at AC 120/220/240 V, 50/60 Hz:

DIN power output (Rated): 40 + 40 watts  
(6 ohms at 1 kHz, DIN)

Continuous RMS power output (Reference):  
50 + 50 watts  
(6 ohms at 1 kHz, 10% THD)

#### Inputs

MD (VIDEO) IN (phono jacks):  
voltage 450 mV (250 mV), impedance 47 kilohms

MIC (minijack):  
sensitivity 1 mV, impedance 10 kilohms

#### Outputs

PHONES (stereo minijack):  
accepts headphones of 8 ohms or more.

SPEAKER:  
accepts impedance of 6 to 16 ohms.

### VIDEO CD/CD player section

System Compact disc and digital audio system

Laser Semiconductor laser  
( $\lambda=795$  nm)  
Emission duration: continuous

Frequency response 2 Hz – 20 kHz ( $\pm 0.5$  dB)  
VIDEO OUT (phono jack) 1 V<sub>p-p</sub>, 75 ohms

### Tape deck section

Recording system 4-track 2-channel stereo  
Frequency response 50 – 13,000 Hz ( $\pm 3$  dB), using Sony TYPE I cassettes

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 lead antenna  
Antenna terminals 75 ohms unbalanced  
Intermediate frequency 10.7 MHz

#### AM tuner section

Tuning range 531 – 1,602 kHz  
(with the interval set at 9 kHz)  
530 – 1,710 kHz  
(with the interval set at 10 kHz)

Antenna AM loop antenna  
External antenna terminals  
Intermediate frequency 450 kHz

### Speaker (SS-TB40)

Speaker system 2-way, bass-reflex type, magnetically shielded type

#### Speaker units

Woofers: 15 cm dia., cone type  
Tweeters: 5 cm dia., cone type  
Nominal impedance 6 ohms

## General

Power requirements	120 V, 220 V, 230 – 240 V AC, 50/60 Hz Adjustable with voltage selector
Power consumption	120 watts
Dimensions (w/h/d) incl. projecting parts and controls Amplifier/Tuner/Tape/CD section:	Approx. 215 × 285 × 386 mm
Speaker	Approx. 205 × 285 × 240 mm
Mass Amplifier/Tuner/Tape/CD section:	Approx. 7.8 kg
Speakers	Approx. 3.6 kg net per speaker
Supplied accessories	Remote (1) R6 (size AA) batteries (2) AM loop antenna (1) FM lead antenna (1) Speaker pads (8) Video connecting cable (1)

Design and specifications are subject to change  
without notice.

