

# *Micro Hi-Fi Component System*

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## Operating Instructions

## Owner's Record

The model and serial numbers are located on the rear of the system. Record the serial number in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. \_\_\_\_\_ Serial No. \_\_\_\_\_



## *CMT-LS1*

## WARNING

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

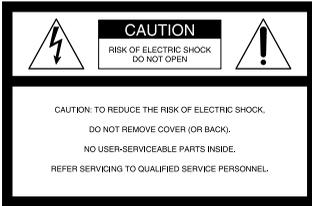
To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

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.

## NOTICE FOR THE CUSTOMERS IN THE U.S.A.



This symbol is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

## CAUTION

The use of optical instruments with this product will increase eye hazard.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with limits for a digital device pursuant to Subpart B of Part 15 FCC Rules.

## INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

### Note to CATV system installer:

This reminder is provided to call CATV system installer’s attention to Article 820–40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

## NOTICE FOR THE CUSTOMERS IN CANADA

### CAUTION:

**TO PREVENT ELECTRIC SHOCK, DO NOT USE THIS POLARIZED AC PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.**

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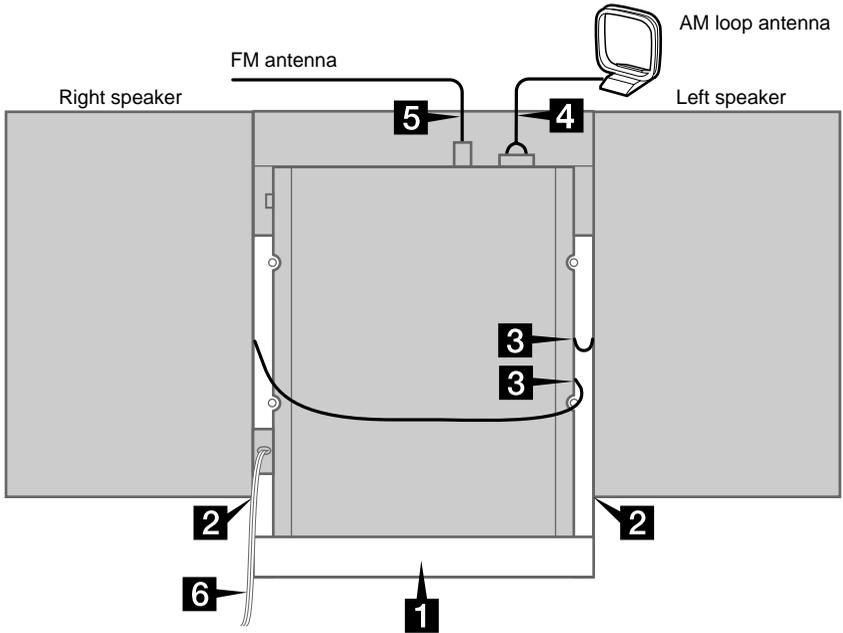
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## Additional Information

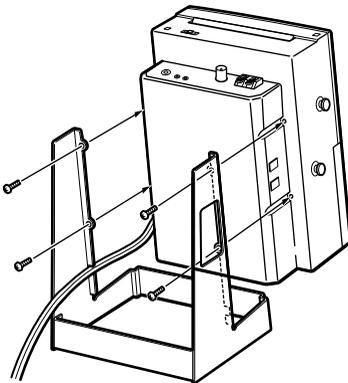
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## Step 1: Hooking up the system

Perform the following procedures **1** to **6** to hook up your system using the supplied cords and accessories.



- 1** Attach the unit to the supplied desktop stand with the supplied screws (M4 × 14).



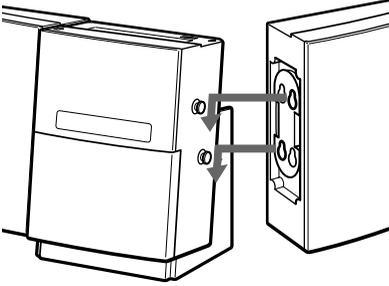
After mounting the unit on the stand, be certain to pass the power cord through the groove of the stand. If the stand is set up without passing the power cord through the groove, the weight of the unit will damage the power cord, which could lead to electric shock or fire.

### Notes

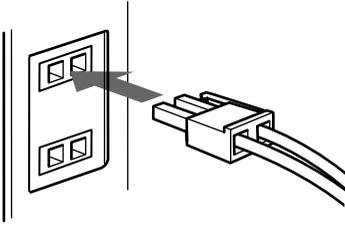
- Be sure to attach the unit to the stand.
- Either mount both the left and right speakers, or remove both of the speakers. Do not use the system with only one speaker mounted.

**2** Attach the speakers.

Attach the speaker with the R cord to the right side, and the speaker with the L cord to the left side as viewed from the front of the unit.

**3** Connect the speakers.

Connect the speaker cords to the SPEAKER jacks as shown below.

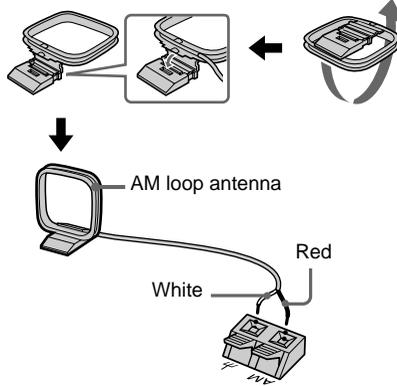


## Notes

- Keep the speaker cords away from the antennas to prevent noise.
- Be sure to connect both left and right speakers. Otherwise, the sound will not be heard.

**4** Connect the AM antenna.

Set up the AM loop antenna, then connect it.

**5** Connect the FM antenna.

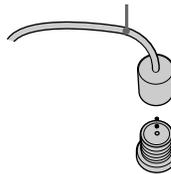
Jack type **A**

Extend the FM lead antenna horizontally



Jack type **B**

Extend the FM lead antenna horizontally



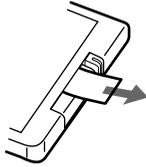
continued

## Step 1: Hooking up the system (continued)

**6** Connect the AC power cord to a wall outlet after you complete all the connections.

**7** To use the remote, pull out the insulating sheet to allow power to flow from the battery.

The remote already contains a battery.

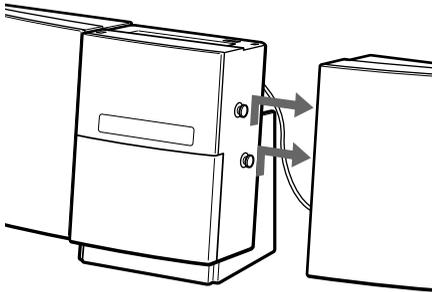


### To connect optional components

See “Optional Components” on page 24.

### To detach the speakers

Slide the speakers in the direction of the arrows as shown below.



### To protect the jacks on the top of the unit from dust

Use the dust caps (supplied). See “Connecting audio components” on page 24.

## Using the wall hanging bracket

You can hang the unit on the wall using the supplied wall hanging adapter and bracket.

The screws for attaching the wall hanging bracket to the wall are not supplied. When installing the bracket by yourself, be sure to use screws appropriate for the type of wall. Sony cannot be held responsible for any damages or injury due to installation.

### Safety precautions

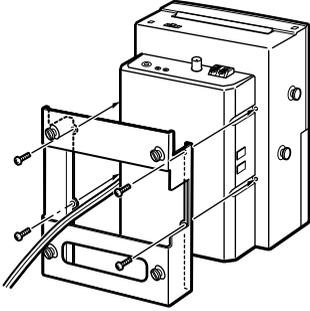
- The supplied adapter and bracket are for use with the Sony Compact Component System CMT-LS1 only. Using these items for purposes other than to hang the unit on the wall may result in accidents.
- The component system CMT-LS1 (7.5 kg), the wall hanging adapter (0.5 kg) and the wall hanging bracket (0.5 kg) have a combined weight of 8.5 kg. Therefore, for safety reasons, the bracket should be attached securely to a wall made from materials capable of supporting a load of 50 kg or more.
- When you hang the unit on the wall, make sure the left and right speakers are both attached or both detached. Attaching one speaker without the other may cause the unit to drop and injure someone.

### Preparation

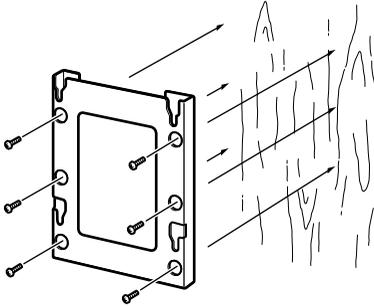
- The screws for attaching the wall hanging bracket to the wall are not supplied. Be sure to purchase screws suited to the wall materials.
- If the wall materials cannot support a load of 50 kg or more, be sure to reinforce the wall.

## To hang the unit on the wall

- 1 Attach the wall hanging adapter to the unit with the supplied screws (M4 × 14).



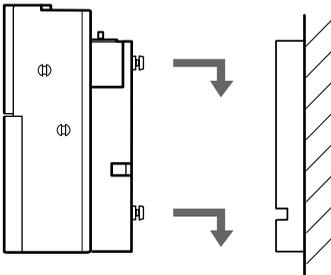
- 2 Fix the wall hanging bracket to the wall using screws (not supplied).



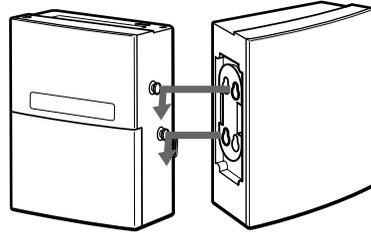
### Note

Be sure to secure the bracket in a level position.

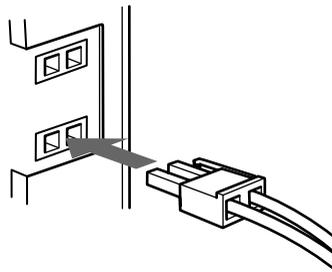
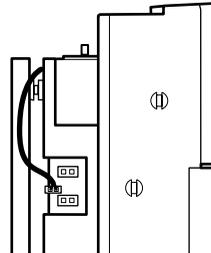
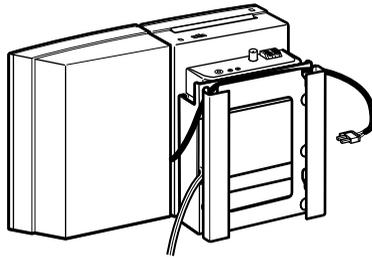
- 3 Attach the wall hanging adapter to the wall hanging bracket which you have fixed to the wall.



- 4 Attach the speaker with the R cord to the right side as viewed from the front of the unit.



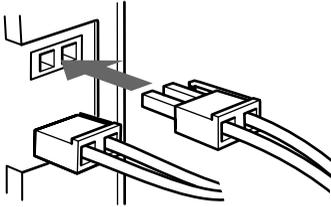
- 5 Connect the R cord to the SPEAKER jack, pass the R cord through the groove between the wall hanging adapter and the bracket as shown below.



*continued*

## Step 1: Hooking up the system (continued)

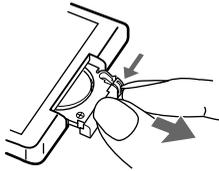
- 6 Connect the L cord to the SPEAKER jack as shown below.



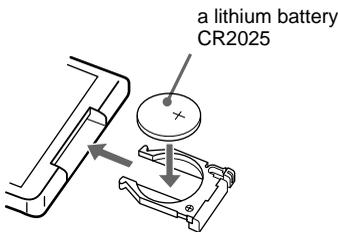
- 7 Attach the speaker with the L cord to the left side as viewed from the front of the unit.

## Replacing the battery in the remote

- 1 Slide out and remove the battery case.



- 2 Insert a new lithium battery CR2025 with the + side facing up.



- 3 Slide the battery case back in.

## Battery life

You can expect the remote to operate for about 6 months (using a Sony CR2025 lithium battery) before the battery run down. When the battery no longer operates the remote, replace the battery with a new one.

## To avoid battery leakage

If you are not going to use the remote for a long time, remove the battery to avoid damage caused by corrosion from battery leakage.

## Notes on lithium battery

- Keep the lithium battery out of the reach of children.  
Should the battery be swallowed, immediately consult a doctor.
- Wipe the battery with a dry cloth to assure a good contact.
- Be sure to observe the correct polarity when installing the battery.
- Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.
- Do not break up the battery or throw it into a fire, which might cause it to explode.  
Carefully dispose of the used battery.

## CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommend by the manufacturer. Discard used batteries according to the manufacturer's instructions.

## WARNING

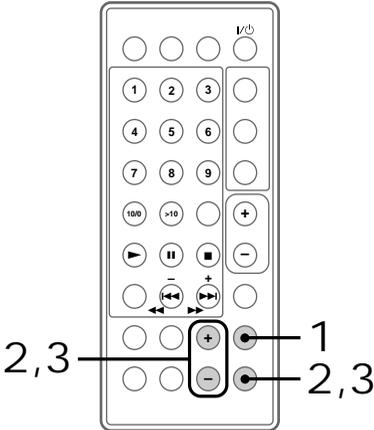
Battery may explode if mistreated.  
Do not recharge, disassemble or dispose of in fire.

## Step 2: Setting the time

You must set the time before you can use the timer functions.

The clock is on a 24-hour system for the European model, and a 12-hour system for other models. The 24 hour system model is used for illustration purposes.

Set the time before turning on the power.



- 3 Press +/- to set the minute then press ENTER.  
The clock starts.

### To change the time

You can change the preset time while the power is on.

- 1 Press CLOCK/TIMER SET.
- 2 Press +/- repeatedly until "SET CLOCK" appears then press ENTER.
- 3 Repeat steps 2 and 3 of "Setting the time".

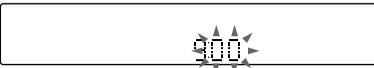
### Tips

- If you have made a mistake, start again from step 1.
- The built-in clock shows the time in the display while the power is off.
- The upper dot flashes for the first half of a minute (0 to 29 seconds), and the lower dot flashes for the last half of a minute (30 to 59 seconds).

- 1 Press CLOCK/TIMER SET while the power is off.  
The hour indication flashes.

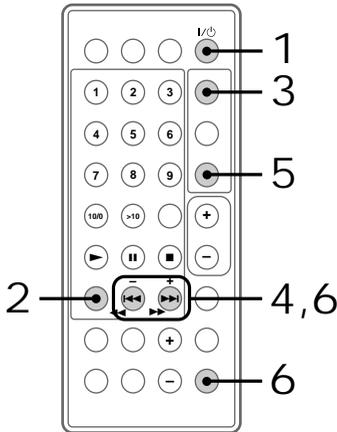


- 2 Press +/- to set the hour then press ENTER.  
The minute indication flashes.



## Step 3: Presetting radio stations

You can preset the following number of stations:  
– 20 for FM, and 10 for AM.



- 1 Press I/⏻ to turn on the power.
- 2 Press TUNER BAND repeatedly until the band you want appears in the display.  
Each time you press the button, the band changes as follows:  
FM ↔ AM
- 3 Press PLAY/TUNING MODE repeatedly until “AUTO” appears.
- 4 Press TUNER +/-.  
The frequency indication changes and scanning stops when the system tunes in a station. “TUNED” and “STEREO” (for a stereo program) appear. When you want to stop scanning, press PLAY/TUNING MODE.

- 5 Press MEMORY.  
A preset number flashes.  
Proceed to step 6 while the preset number is flashing. If the unit is not operated for more than 16 seconds, the preset number disappears and the unit returns to the status of step 3. If this happens, start over from step 4.
- 6 Press TUNER +/- to select the preset number you want, then press ENTER.  
The station is stored.
- 7 Repeat steps 2 to 6 to preset other stations.

### To tune in the station manually

- 1 Press PLAY/TUNING MODE repeatedly until “MANUAL” appears in step 3.
- 2 Press TUNER +/- repeatedly to tune in the station and continue from step 5.

To change the preset number  
Start over from step 2.

### To change the AM tuning interval (except for European model)

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. Turn off the power while holding down the TUNER + button. Then turn the power back on. When you change the interval, all the AM preset stations are erased. To reset the interval, repeat the same procedure.

## Tip

The preset stations are retained for a day even if you disconnect the AC power cord or if a power failure occurs.

## To erase a preset number

1 Press **-** on the remote in step 5 of “Presetting radio stations”.

A preset number flashes.

2 Press **TUNER +/-** to select the preset number you want to erase.

To erase all the preset numbers, select “ERA ALL”.

3 Press **ENTER**.

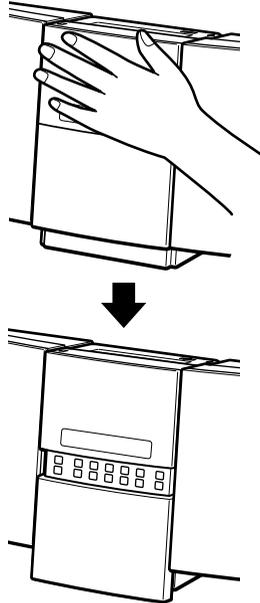
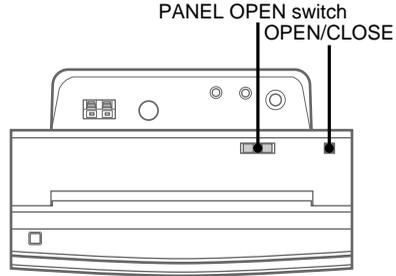
The total number of preset stations decreases by one each time you erase a preset number.

You can add new preset numbers after the last preset number.

## Opening the front panel

You can open the front panel automatically simply by bringing your hand near the front panel. You can also open and close the panel using the **OPEN/CLOSE** button located on top of the unit. This panel open setting is made using the **PANEL OPEN** switch located on top of the unit.

You can select **ON/AUTO**, **AUTO** or **MANUAL** using the **PANEL OPEN** switch located on top of the unit.



*continued*

## Opening the front panel (continued)

Switch setting	Operation
ON/AUTO	The power turns on and the front panel opens when you bring your hand near it while the power is off. The panel closes automatically if the unit is not operated for more than 30 seconds.
AUTO (factory setting)	The panel opens when you bring your hand near it while the power is on. The panel closes automatically if the unit is not operated for more than 30 seconds.
MANUAL	The panel is opened and closed by pressing OPEN/CLOSE located on top of the unit while the power is on.

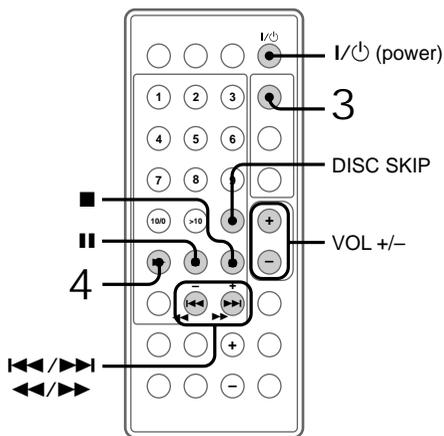
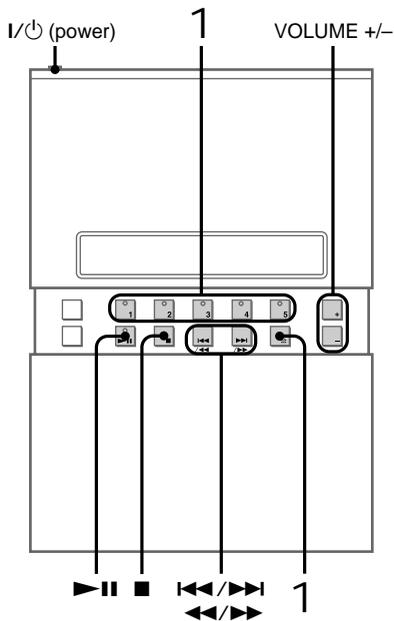
### Tip

Set the PANEL OPEN switch to MANUAL to leave the panel open.

## Playing a CD

You can play up to 5 CDs in a row. To turn on the power, press I/⏻.

Open the front panel first to perform operations using buttons on the unit. (See “Opening the front panel” on page 11.)



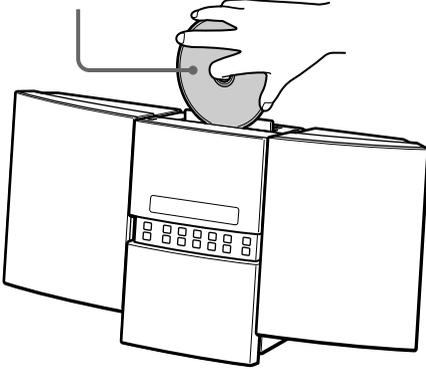
1 Press DISC 1 – 5 to select a disc tray, then press  on the unit.

2 Insert a CD and push it down lightly.

Note

**You cannot play a 8 cm CD.**

With the label side front



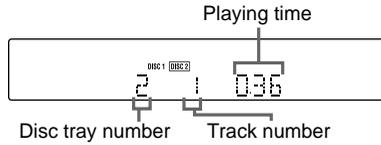
A box appears around the selected disc number in the display when the disc is loaded.

3 Press PLAY/TUNING MODE on the remote repeatedly to select the playing mode.

Each time you press the button, the mode changes;

MODE	Playing
ALL DISCS	all the tracks on all CDs.
1 DISC	all the tracks on the current CD.
ALL DISCS SHUFFLE	all the tracks on all CDs in random order (see page 16).
1 DISC SHUFFLE	all the tracks on the current CD in random order (see page 16).
DISC PROGRAM	desired tracks on all CDs in the order you programmed (see page 17).

4 Press CD  (or  on the unit). Play starts and the playing disc number is displayed.



To start playing a different CD, press DISC 1 – 5 to select the desired disc.

To	Do this
Stop play	Press  .
Pause	Press  (or  on the unit). Press again to resume play.
Select a track	Press  or  repeatedly until you find the desired track.
Find a point in a track	Press and hold  or  during play and release it at the desired point.
Select a CD	<ul style="list-style-type: none"> <li>Press DISC SKIP on the remote repeatedly so that a box appears around DISC 1 – 5 in the display. Press CD  (or  on the unit) to play the selected CD.</li> <li>Press DISC 1 – 5 on the unit. Play starts when the button is pressed.</li> </ul> <p>If you press DISC 1 – 5 (or DISC SKIP on the remote) during play, the selected CD changes and the new CD starts playing.</p>
Remove a CD	Press DISC SKIP on the remote repeatedly to select the CD you want to remove. Open the front panel and press  on the unit.
Adjust the volume	Press VOL +/-.

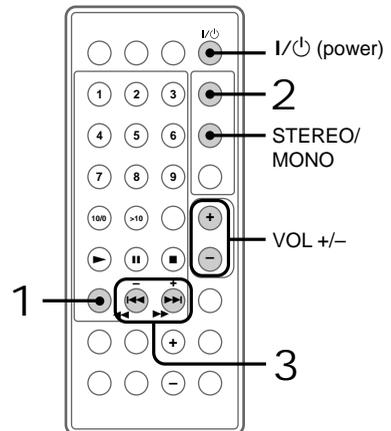
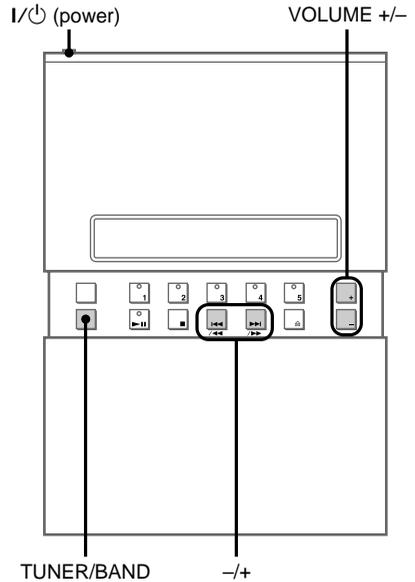
*continued*

Tips

- You can switch from another source to the CD player and start playing a CD by pressing CD ► (or ►|| on the unit) (**Automatic Source Selection**).
- If you press CD ► (or ►|| on the unit) while the power is off, the power turns on and play starts automatically (**One Touch Play**).
- The DISC 1 – 5 indicators light up in the display when CD is loaded on the tray.
- If a CD is not loaded to any of DISC 1 – 5, “NO DISC” appears.
- If you press a number button on the remote, the track corresponding to the pressed number on the current disc starts playing (**Track Direct Play**).

## Listening to the radio

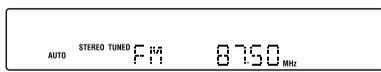
Preset radio stations in the tuner’s memory first (see page 10). To turn on the power, press I/⏻.



**1** Press TUNER BAND repeatedly until the band you want appears.

Each time you press the button, the band changes as follows:

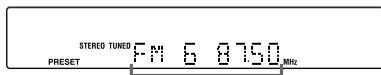
FM ↔ AM



**2** Press PLAY/TUNING MODE repeatedly until “PRESET” appears.



**3** Press TUNER +/- to select the desired station’s preset number.



Preset number\* and frequency

\* When you preset only one station, “ONE PRSET” appears in the display.

To listen to non-preset radio stations

- Press PLAY/TUNING MODE repeatedly until “MANUAL” appears in step 2, then press TUNER + or – repeatedly to tune in the desired station (**Manual Tuning**).
- Press PLAY/TUNING MODE repeatedly until “AUTO” appears in step 2, then press TUNER + or –. The frequency indication changes and scanning stops when the system tunes in a station (**Automatic Tuning**).

To cancel the Automatic Tuning Press PLAY/TUNING MODE.

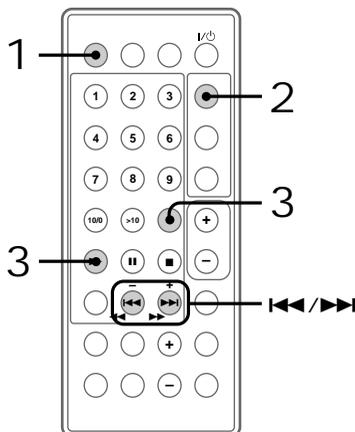
**Tips**

- You can switch from another source to the tuner by pressing TUNER BAND (**Automatic Source Selection**).
- If you press TUNER BAND while the power is off, the power turns on and the system tunes in the last received station automatically (**One Touch play**).
- To improve broadcast reception, reorient the supplied antenna or connect an optional external antenna (FM antenna only).
- When an FM program has static noise, press STEREO/MONO until “MONO” appears. There will be no stereo effect, but the reception will improve. Press again to restore the stereo effect.

To	Do this
Turn off the radio	Press I/⏻ to turn off the power.
Adjust the volume	Press VOL +/-.

## Playing the CD tracks in random order — Shuffle Play

You can play all the tracks on a CD or all CDs in random order.



1 Press **FUNCTION** repeatedly until “CD” appears.

2 Press **PLAY/TUNING MODE** repeatedly to select the playing mode of either “ALL DISCS SHUFFLE” or “1 DISC SHUFFLE”.

MODE	Playing
ALL DISCS SHUFFLE	all the tracks on all CDs in random order.
1 DISC SHUFFLE	all the tracks on the current CD in random order.

3 If you select “ALL DISCS SHUFFLE”, press **CD** ► (or ►|| on the unit). If you select “1 DISC SHUFFLE”, press **DISC SKIP** repeatedly to select the desired CD then press **CD** ► (or just press **DISC 1 – 5** on the unit). Shuffle Play starts.

### To cancel Shuffle Play

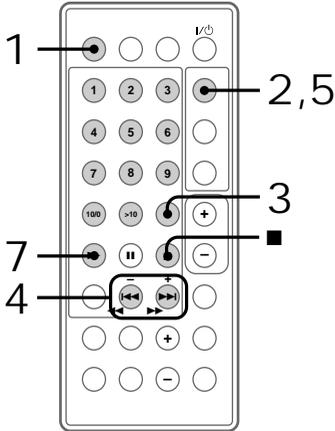
Press **PLAY/TUNING MODE** repeatedly until “SHUFFLE” and “PROGRAM” disappear from the display. The tracks continue playing in their original order.

### Tips

- You can start Shuffle Play during normal play by pressing **PLAY/TUNING MODE** repeatedly to select “ALL DISCS SHUFFLE” or “1 DISC SHUFFLE”.
  - To skip a track, press ►►.
- Press ◀◀ to go back to the beginning of the current track. However, you cannot go back to the previous track.

# Programming the CD tracks — Program Play

You can make a program up to 32 tracks from all the CDs in the order you want them to be played.



- 1 Press **FUNCTION** repeatedly until “CD” appears.
- 2 Press **PLAY/TUNING MODE** repeatedly until “DISC PROGRAM” appears.
- 3 Press **DISC SKIP** repeatedly to select the desired CD.
- 4 Press **◀◀** or **▶▶** repeatedly until the desired track appears in the display.
- 5 Press **PLAY/TUNING MODE**.  
The track is programmed.

- 6 To program additional tracks, repeat steps 3 to 5.  
You can make a program up to 32 tracks.

- 7 Press **CD ▶**.  
All the programmed tracks play in the order you selected.

## To cancel Program Play

Press **PLAY/TUNING MODE** repeatedly until “PROGRAM” and “SHUFFLE” disappear from the display.

## To change the program

You can change the program before you start playing.

To	Do this
Clear the entire program	Do steps 1 and 2 then press <b>■</b> in stop mode.
Add a track to the program	Do steps 3 to 5.

## To select the desired track using number buttons

Press number buttons instead of performing steps 4 to 6.

To enter track numbers 11 or over, press **>10** once and then the number buttons of the track number.

For example, to select track 32, press **>10** once, then 3, and 2.

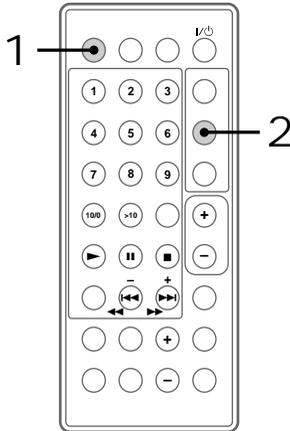
## Tips

- The program you made remains after Program Play finishes. To play the same program again, press **CD ▶** (or **▶▶** on the unit).
- “-.-.-” appears when the total playing time has exceeded 100 minutes, or when you select a track whose number is 21 or over.
- If you try to program 33 or more tracks, “FULL” appears.
- You can also select a CD by using **DISC 1 – 5** on the unit in step 3.

---

## Playing the CD tracks repeatedly — Repeat Play

You can repeat a disc or all discs in normal play, Shuffle Play and Program Play.



- 
- 1 Press FUNCTION repeatedly until “CD” appears.

---

  - 2 Press REPEAT during play until “REPEAT” or “REPEAT 1” appears.  
REPEAT: For all the tracks.  
REPEAT 1: For a single track only in normal play.
- 

### To cancel Repeat Play

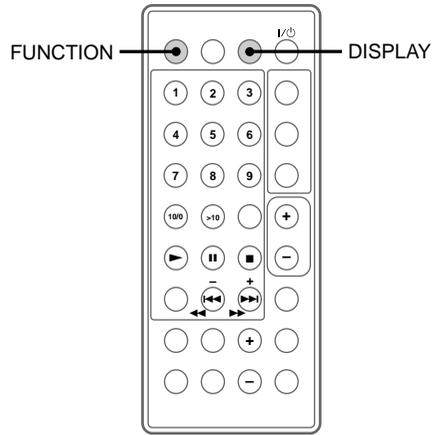
Press REPEAT until “REPEAT” or “REPEAT 1” disappears.

---

## Using the CD display

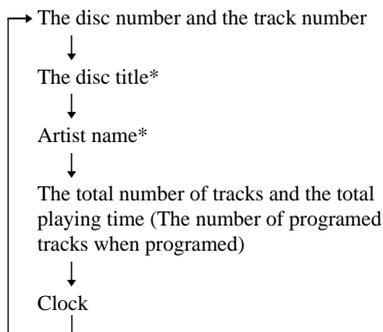
You can check the total number of tracks, the total playing time, and the remaining time on the track or the CD.

When a CD TEXT disc is loaded, you can check the information stored on the CD, such as the titles or artist names.



## Checking the total playing time

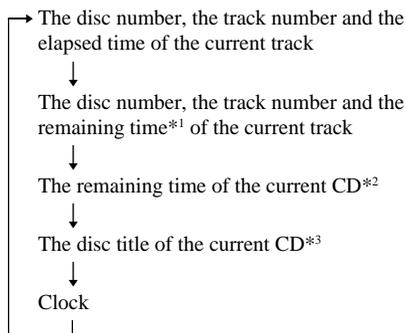
- 1 Press **FUNCTION** repeatedly until "CD" appears.
- 2 While the disc is stopped, press **DISPLAY** repeatedly.  
Each time you press the button, the display changes as follows:



\* With CD TEXT discs only. When the CD contains more than 20 tracks, CD TEXT is not displayed beyond track 21.

## Checking the remaining time

- ➔ Press **DISPLAY** repeatedly during play.  
Each time you press the button, the display changes as follows:



\*1 "--.--" is displayed when the CD contains more than 20 tracks.

\*2 "--.--" is displayed in all modes except 1 DISC CONTINUE.

\*3 With CD TEXT discs only. When the disc title has more than 31 characters, not all the characters are displayed.

## Using the Radio Data System (RDS)

(European model only)

### What is the Radio Data System?

Radio Data System (RDS) is a broadcasting service that allows radio stations to send additional information along with the regular program signal.

#### Note

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

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

### Receiving RDS broadcasts

Simply select a station from the FM band. When you tune in a station that provides RDS services, the station name appears in the display.

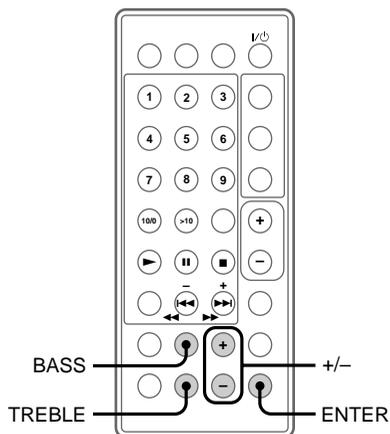
To check the RDS information Each time you press DISPLAY, the display changes as follows:

Station name\* ↔ Frequency

\* If the RDS broadcast is not properly received, the station name may not appear in the display.

## Adjusting the sound

You can adjust bass and treble.



### Adjusting the bass

- 1 Press BASS.
- 2 Press +/- repeatedly until the level you want appears. You can adjust from -3 to +3.
- 3 Press ENTER.

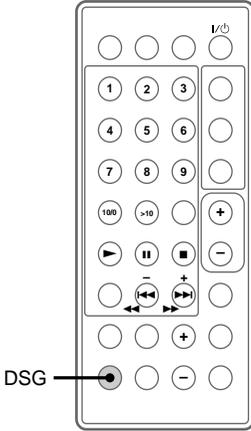
### Adjusting the treble

- 1 Press TREBLE.
- 2 Press +/- repeatedly until the level you want appears. You can adjust from -3 to +3.
- 3 Press ENTER.

---

## Generating a more dynamic sound

The Dynamic Sound Generator (DSG) automatically enhances your music to produce a more powerful sound.



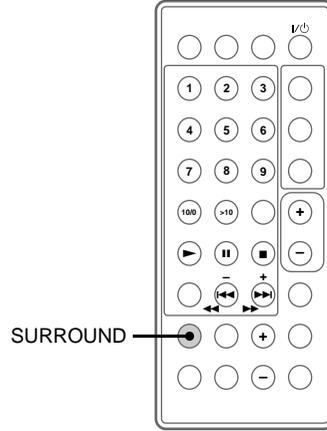
- 
- ➔ Press DSG.  
Each time you press the button, the display changes as follows:  
DSG ON ↔ DSG OFF
  
  - When DSG is ON, "DSG" lights up in the display.
- 

To cancel DSG  
Press DSG again to turn off "DSG".

---

## Selecting the surround effect

You can enjoy the encompassing effects of surround sound.



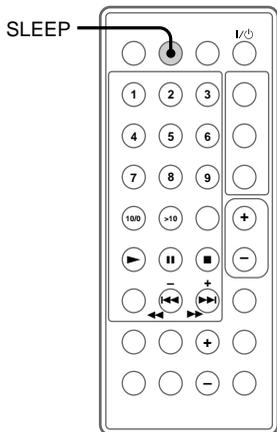
- 
- ➔ Press SURROUND.  
Each time you press the button, the display changes as follows:  
SURR ON ↔ SURR OFF
  
  - When SURROUND is ON, "SURR" lights up in the display.
- 

To cancel SURROUND  
Press SURROUND again to turn off "SURR".

# Falling asleep to music

## — Sleep Timer

You can set the system to turn off after a certain amount of time, so that you can fall asleep to music. You can set the timer in 10 minutes increments.



To check the remaining time  
Press SLEEP once.

To change the remaining time  
Press SLEEP repeatedly to select the time you want.

To cancel Sleep Timer  
Press SLEEP repeatedly until “OFF” appears.

**Tip**  
You can use Sleep Timer, even if you have not set the clock.

**Note**  
When Sleep Timer is used, you cannot use Daily Timer.

➔ Press SLEEP repeatedly to select a desired time.

Each time you press the button, the minute display (the remaining time) changes as follows:



After a few seconds, the previous display appears. “SLEEP” and the timer indicator light up in the display.

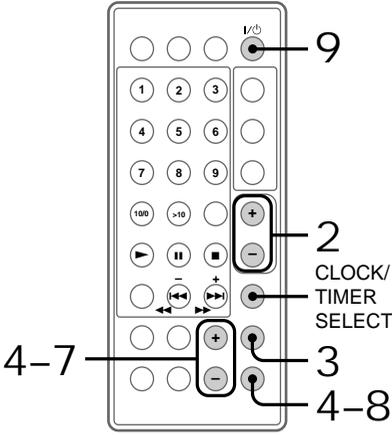
\* When you select “AUTO”, the system automatically turns off after the current CD finishes playing (up to 100 minutes).  
When the function is TUNER, the system turns off in 100 minutes.

# Waking up to music

## — Daily Timer

You can wake up to music at a preset time. Make sure you have set the clock (see page 9).

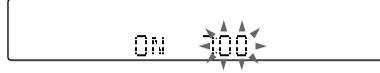
To wake up to the radio, preset the radio stations first (see page 10).



- 1 Prepare the music source you want to play.
  - CD: Insert a CD. To start from a specific track, make a program (see page 17).
  - Radio: Tune in a preset radio station (see page 14).
- 2 Press VOL +/- to adjust the sound volume.
- 3 Press CLOCK/TIMER SET.

- 4 Press +/- repeatedly until "SET DAILY" appears then press ENTER.  
The hour indication flashes.

- 5 Set the time to start playing.  
Press +/- to set the hour, then press ENTER. The minute indication flashes.



- Press +/- to set the minute, then press ENTER.  
The hour indication flashes again.

- 6 Set the time to stop playing follow the procedure in step 5.

- 7 Press +/- repeatedly until the music source you want appears.  
The indication changes as follows:  
TUNER ↔ CD PLAY

- 8 Press ENTER.  
The start time, followed by the stop time, the music source appears, then the original display appears.  
"DAILY" and the timer indicator light up in the display.

- 9 Press I/O to turn off the power.

continued

## Waking up to music (continued)

To change the setting

Start again from step 1.

To check the setting / To use the timer

Press **CLOCK/TIMER SELECT** repeatedly until “DAILY” appears. The start time, followed by the stop time, the music source appears, then the original display appears.

To cancel Daily Timer

Press **CLOCK/TIMER SELECT** repeatedly until “TIMER OFF” appears.

Tip

When you set Daily Timer, the system turns on 15 seconds before the preset time.

## Optional Components

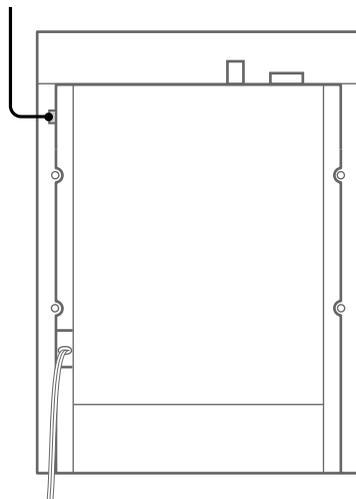
### Connecting audio components

To enhance your system, you can connect optional components. Refer to the instructions of each component.

### Connecting an MD deck for digital recording

You can record from CD into the MD deck digitally by connecting an optical cable (not supplied).

To the **DIGITAL IN** jack of the MD deck

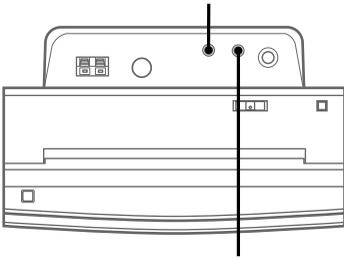


### Connecting a tape deck

To listen to the sound of the connected tape deck, press **FUNCTION** repeatedly until “TAPE” appears.

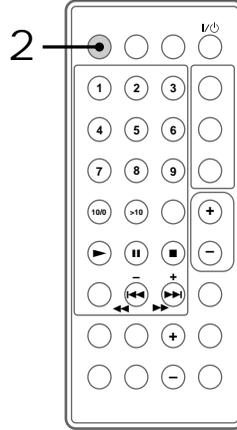
To connect a tape deck to the system, use an audio connecting cord with a stereo mini plug on one end and RCA pin plugs on the other end.

To the audio output of a tape deck



To the audio input of a tape deck

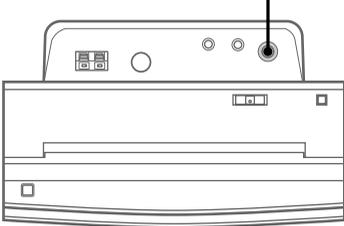
# Listening to the sound of connected components



## Connecting headphones

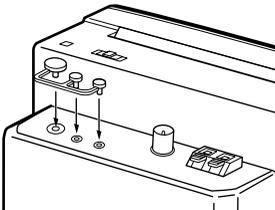
Connect headphones to the PHONES jack.

PHONES jack



## Connecting the dust caps

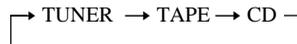
When not connecting optional headphones or a tape deck, attach the supplied dust caps to prevent dust and dirt from entering the jacks. You can also cut apart the supplied caps and use each one separately.



1 Prepare the audio components.

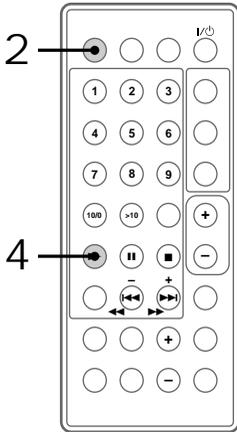
2 Press FUNCTION repeatedly until "TAPE" appears.

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



## Recording a CD on the connected component

For the operations of the connected components, refer to the instructions of each component.



- 1 Prepare the recording component for recording.
- 2 Press FUNCTION repeatedly until "CD" appears.
- 3 Start recording on the MD deck or the tape deck.
- 4 Press CD ►. Play starts.

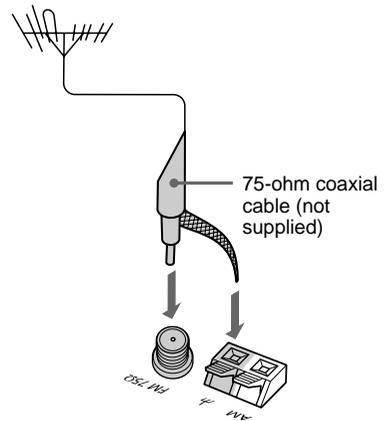
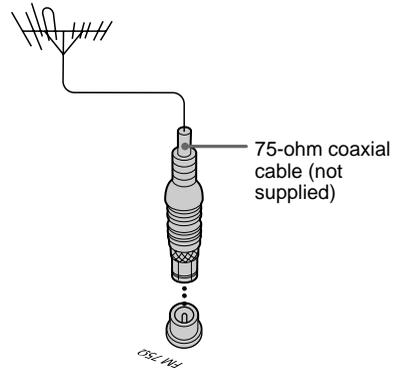
## Connecting external antennas

Connect an external antenna to improve the reception. Refer to the instructions of each component.

### FM antenna

Connect an optional FM external antenna. You can also use the TV antenna instead.

Jack type **A**



## Precautions

### On safety

- The system is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the system 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 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.
- The AC power cord must be changed only at the qualified service shop.
- When you connect the AC power cord to the wall outlet (mains), even though the power is off, the system begins charging for remote and timer functions. Therefore the surface of this unit becomes warm, this is normal.
- The nameplate indicating operating voltage, power consumption, etc. is located at the rear.

### On placement

- Place the system in a location with adequate air circulation, and do not place anything on the system.
- Place the system in a location with adequate ventilation to prevent heat build up.
- 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 installing

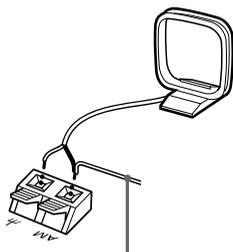
When you move the system, remove all discs.

continued

## AM antenna

Connect a 6- to 15- meter (20- to 50- feet) insulated wire to the AM antenna terminal.

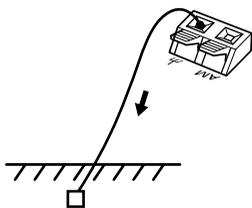
Leave the supplied AM loop antenna connected.



Insulated wire (not supplied)

### Important

If you connect an external antenna, connect the ground wire to the  $\hbar$  terminal. To prevent a gas explosion, do not connect the ground wire to a gas pipe.



## Precautions (continued)

### On operation

- You cannot play 8 cm CDs with this system.
- 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 CD player. Should this occur, the system will not operate properly. Remove the CD and leave the system turned on for about 2 hours until the moisture evaporates.

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

### On the speaker system

This speaker system is not magnetically shielded and the picture on TV sets may become magnetically distorted. In such a case, turn off the power of the TV set once, and after 15 to 30 minutes turn it on again.

**If there seems to be no improvement**, locate the speaker system further away from the TV set. Also, be sure not to place objects in which magnets are attached or used near the TV set, such as audio racks, TV stands and toys. These may cause magnetic distortion to the picture due to their interaction with the system.

### Notes on CDs

- Do not use a CD with tape, stickers, or paste on it as this may damage the player.
- Before playing, clean the CD with a cleaning cloth. Wipe the CD from the center out. Do not use solvents such as benzine, thinner, commercially available cleaners, or antistatic spray intended for vinyl LPs.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts, nor leave it in a car parked in direct sunlight.

### Cleaning the cabinet

Use a soft cloth slightly moistened with mild detergent solution.

---

## Troubleshooting

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

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

Should any problem persist, consult your nearest Sony dealer.

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### General

---

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

- Press VOLUME +.
- Make sure the headphones are not connected.
- Check the speaker connections.

---

#### **There is severe hum or noise.**

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

---

#### **“0:00” (or “12:00AM”) flashes in the display.**

- A power failure occurred. Set the clock and timer settings again.

---

#### **The timer does not function.**

- Set the clock correctly.

---

#### **The remote does not function.**

- There is an obstacle between the remote and the system.
- The remote is not pointing in the direction of the system's sensor.
- The battery have run down. Replace the battery.
- Do not place the system in locations where it is near an electric inverter system.

---

#### **The front panel does not open when you bring your hand near.**

- The PANEL OPEN switch is set to MANUAL. Set the switch to ON/AUTO or AUTO.
-

## CD Player

---

### The CD will not eject.

- The CD has tape, stickers, or paste on it.

### The CD will not play.

- The CD is dirty. Clean the CD with a cleaning cloth.
- The face of the CD is scratched. Exchange the CD.
- The CD is facing the wrong way.
- Moisture condensation has built up. Remove the CD and leave the system turned on for about 2 hours until the moisture evaporates.

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

- The player is in program or shuffle mode. Press PLAY/TUNING MODE repeatedly until "SHUFFLE" and "PROGRAM" disappear.

### "OVER" is displayed.

- By pressing ►►, the last track on the disc has been exceeded. Press and hold (or press repeatedly) ◀◀ or ◀◀ to return to a track where playing can begin.

## Tuner

---

### Severe hum or noise ("TUNED" or "STEREO" flashes in the display).

- Adjust the antenna.
- The signal strength is too weak. Connect an external antenna.
- Make sure the antenna is connected properly.
- Make sure the antenna is not folded or rolled up.

### A stereo FM program is not received in stereo.

- Press STEREO/MONO so "STEREO" appears.

If other problems not described above occur, reset the system as follows:

- 1 Unplug the AC power cord.
- 2 Hold down I/⏻, then plug the AC power cord into the wall outlet again.

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

# Specifications

## Amplifier section

For the U.S. model

### AUDIO POWER SPECIFICATIONS

#### POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 4 ohm loads both channels driven, from 120 – 10,000 Hz; rated 16 watts per channel minimum RMS power, with no more than 0.9% total harmonic distortion from 250 milliwatts to rated output.

#### North American model:

Continuous RMS power output (Reference)  
16 + 16 watts  
(4 ohms at 1 kHz, 10% THD)

#### European model:

DIN power output (Rated) 11 + 11 watts  
(4 ohms at 1 kHz, DIN)

Continuous RMS power output (Reference)  
16 + 16 watts  
(4 ohms at 1 kHz, 10% THD)

#### Other models:

DIN power output (Rated) 11 + 11 watts  
(4 ohms at 1 kHz, DIN, 240 V)  
11 + 11 watts  
(4 ohms at 1 kHz, DIN, 220 V)

Continuous RMS power output (Reference)  
16 + 16 watts  
(4 ohms at 1 kHz, 10% THD, 240 V)  
16 + 16 watts  
(4 ohms at 1 kHz, 10% THD, 220 V)

Inputs TAPE IN (stereo mini jack):  
voltage 250 mV, impedance  
47 kilohms

Outputs TAPE OUT (stereo mini jack):  
1Vrms at CD Full Bit Play,  
impedance 1 kilohm  
CD OUT: Optical  
PHONES (stereo mini jack):  
accepts headphones of 8 ohms or  
more  
SPEAKER: speaker system  
4 ohms

## CD player section

System	Compact disc and digital audio system
Laser	Semiconductor laser ( $\lambda=780$ nm) Emission duration: continuous
Laser output	Max. 44.6 $\mu$ W* *This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block with 7 mm aperture.
Frequency response	20 Hz – 20,000 Hz ( $\pm 3.0$ dB)

## Tuner section

FM stereo, FM/AM superheterodyne tuner

### FM tuner section

Tuning range  
North American model: 87.5 – 108.0 MHz (100 kHz step)  
Other models: 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  
North American model: 530 – 1,710 kHz  
(with the interval set at 10 kHz)  
531 – 1,710 kHz  
(with the interval set at 9 kHz)  
European model: 531 – 1,602 kHz  
(with the interval set at 9 kHz)  
Other models: 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  
Intermediate frequency 450 kHz

## Speaker

Speaker system	2-way, bass-reflex type
Speaker units	
Woofer:	10 cm dia., cone type
Tweeter:	2.5 cm dia., balanced drive
Impedance	4 ohms
Dimensions	194 × 251 × 73 mm (w/h/d, incl. projecting parts and controls)
Mass	Approx. 1.8 kg net per speaker

## Desktop stand

Dimensions (w/h/d)	184 × 218 × 140 mm
Mass	Approx. 0.5 kg

## Wall hanging adapter

Dimensions (w/h/d)	180 × 220 × 39 mm
Mass	Approx. 0.5 kg

## Wall hanging bracket

Dimensions (w/h/d)	180 × 220 × 12 mm
Mass	Approx. 0.4 kg

## General

Power requirements	
North American model:	120 V AC, 60 Hz
European model:	230 V AC, 50/60 Hz
Other models:	220 – 240 V AC, 50/60 Hz
Power consumption	25 W
Dimensions	192 × 295 × 150 mm (w/h/d, incl. projecting parts, controls and desktop stand)
Mass	Approx. 4.0 (with Desktop stand) kg
Supplied accessories	Remote commander (1) AM loop antenna (1) FM wire antenna (1) Desktop stand (1) Wall hanging adapter (1) Wall hanging bracket (1) Screws for stand or adapter M4 × 14 (4) Dust caps (3)

Designs and specifications are subject to change without notice.

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