

Micro Hi-Fi Component System

Operating Instructions

Owner's Record

The model and serial numbers are located on the bottom of the unit. 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. _____

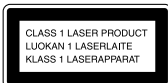


CMT-EX5

WARNING

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

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 bottom exterior.

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

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



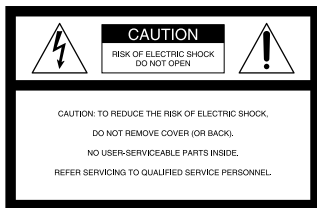
Don't throw away the battery with general house waste, dispose of it correctly as chemical waste.

NOTICE FOR THE CUSTOMERS IN EUROPE

The following caution label is located inside the apparatus.



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.

Note to CATV system installer:

This reminder is provided to call the 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.

WARNING

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.

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.

Except for European models



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.

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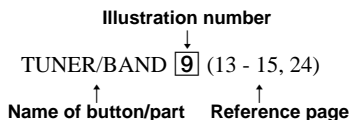
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* European model only

How to use this page

Use this page to find the location of buttons and other parts of the system that are mentioned in the text.



Main unit

ALPHABETICAL ORDER

A - Q

- Disc slot **2** (23)
- Display window **4**
- DISPLAY **11** (16, 19, 20)
- FUNCTION **10** (9 - 13, 15, 22, 24)

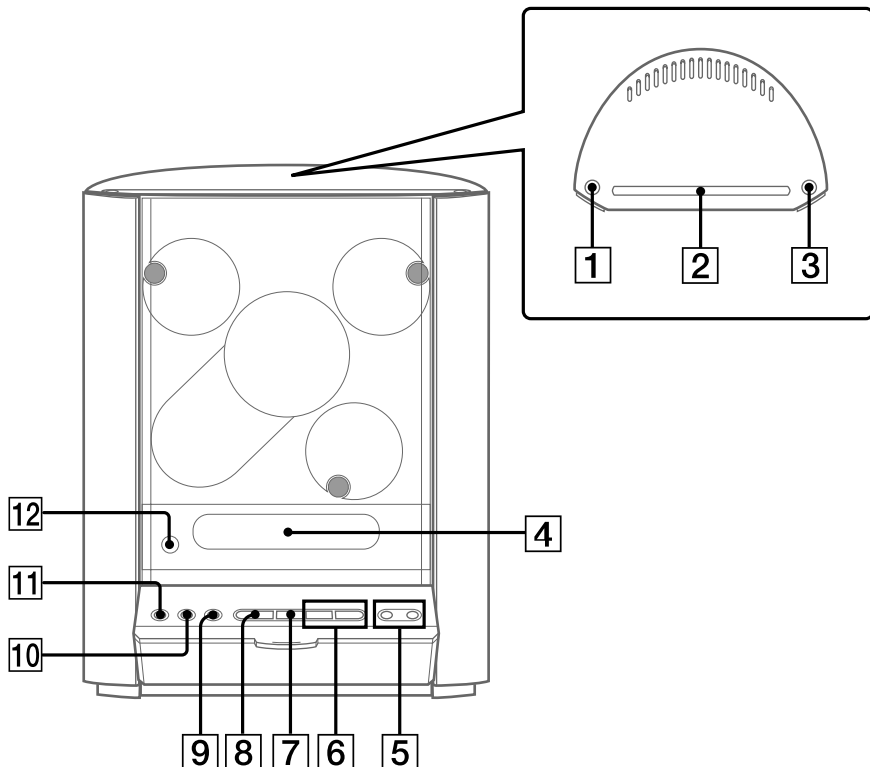
R - Z

- Remote sensor **12**
- TUNER/BAND **9** (13 - 15, 24)
- TUNING +/- **6** (13 - 15)
- VOLUME +/- **5** (18)

BUTTON DESCRIPTIONS

- I/⏻ (power) **1**
- ▲ **3**
- ◀▶ **6**
- ◀▶ **6**
- **7**
- ▶▶ **8**

To open the front cover, push down on the knob under the display window.



Remote control

ALPHABETICAL ORDER

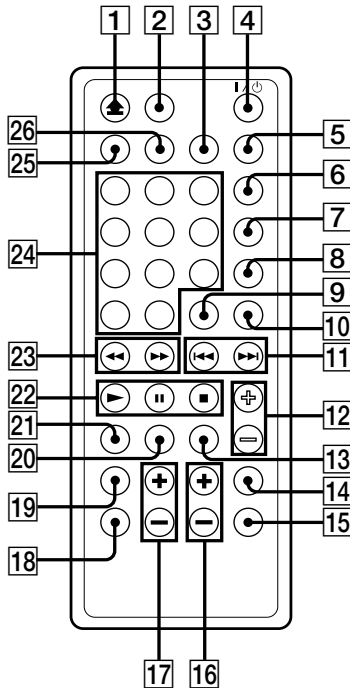
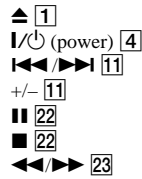
A - K

BASS +/- **17** (17)
 CD **▶** **22** (9 - 11, 23)
 CLEAR **9** (10 - 12, 16)
 CLOCK/TIMER SELECT **6**
 (19)
 CLOCK/TIMER SET **7** (8, 18)
 CURSOR **←/→** **23** (8, 12)
 DIMMER **18** (19)
 DISPLAY **25** (16, 19, 20)
 DSG **14** (17)
 ENTER/YES **8** (8, 10, 12 - 14,
 16, 18, 19, 22)
 FM MODE **13** (15, 24)
 FUNCTION **19** (9 - 13, 15, 22,
 24)

L - Z

Letter/Number buttons **24** (10,
 12, 15)
 MENU/NO **10** (12 - 14, 16, 22)
 NAME EDIT/SELECT **3** (11,
 16)
 PLAY MODE **20** (9 - 11, 13, 23,
 25)
 REPEAT **13** (10)
 SCROLL **5** (12, 20)
 SLEEP **2** (17)
 SURROUND **15** (17)
 TIME **26** (11, 20)
 TREBLE +/- **16** (17)
 TUNER BAND **21** (13 - 15)
 TUNING MODE **20** (13 - 15)
 VOL +/- **12** (18)

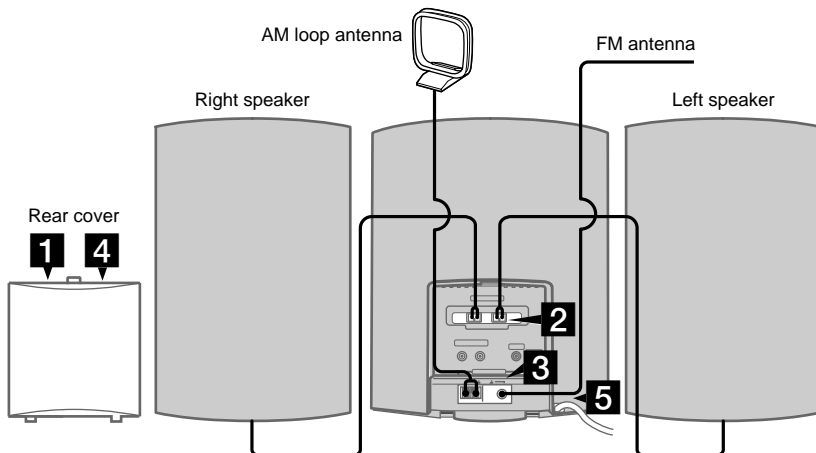
BUTTON DESCRIPTIONS



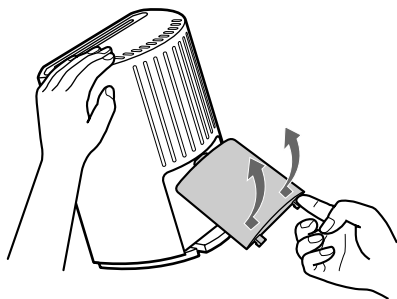
Hooking up the system

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

The front cover is made of tempered glass. Please remember to handle this system carefully.



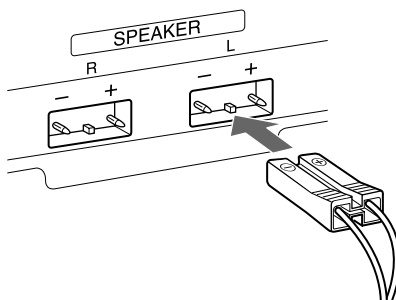
1 Remove the rear cover.



Push in on the tab and pull up the cover

2 Connect the speakers.

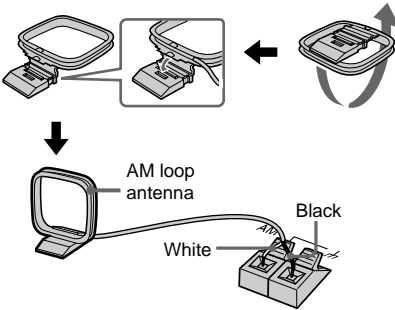
Connect the speaker cords to the SPEAKER terminals as shown below.



3 Connect the FM/AM antennas.

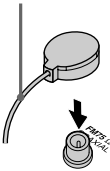
Set up the AM loop antenna, then connect it.

AM antenna



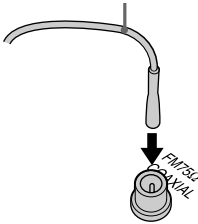
FM antenna (Jack type ①)

Extend the FM wire antenna horizontally



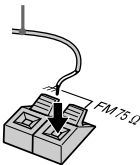
FM antenna (Jack type ②)

Extend the FM wire antenna horizontally

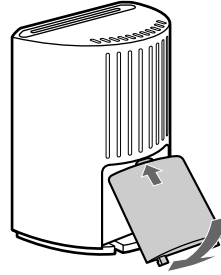


FM antenna (Jack type ③)


Extend the FM wire antenna horizontally

**4 Reinstall the rear cover.**

Pass the wires under the rear cover.

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

If the plug does not fit the wall outlet, attach the supplied plug adapter (only for models equipped with an adapter).

To turn on the system, press .

Note on the front glass

The front glass is made of tempered glass. Under normal conditions, this tempered glass is more shock resistant and able to bear more weight than ordinary glass. This glass, however, may shatter if it receives a sharp blow or if it is scratched.

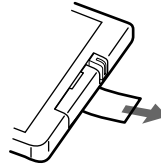
Note

Depending on the connected cords or antennas, you may not be able to reinstall the rear cover.

Preparing the remote

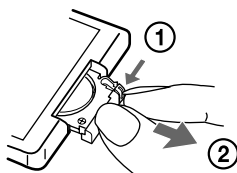
Pull out the insulating sheet to allow power to flow from the battery.

The remote already contains a battery.



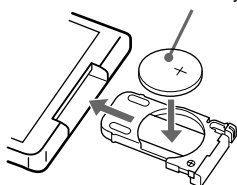
Replacing the battery in the remote

- 1 Slide out and remove the battery case.



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

A lithium battery CR2025



- 3 Slide the battery case back in.

Tip

When the remote no longer operates the system, replace the battery with a new one.

Note

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

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.

WARNING

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

Setting the clock

- 1 Turn on the system.
- 2 Press **CLOCK/TIMER SET** on the remote.
The day indication flashes.
- 3 Press **◀** or **▶** on the remote repeatedly to set the day, then press **ENTER/YES** on the remote.
The hour indication flashes.
- 4 Press **◀** or **▶** on the remote repeatedly to set the hour, then press **ENTER/YES** on the remote.
The minute indication flashes.
- 5 Press **◀** or **▶** on the remote repeatedly to set the minute, then press **ENTER/YES** on the remote.

If you made a mistake

Press **←**CURSOR or CURSOR**→** on the remote repeatedly until the indication you want to change (day, hour, minute) flashes, and then change the setting.

To adjust the clock

- 1 Press **CLOCK/TIMER SET** on the remote.
- 2 Press **◀** or **▶** on the remote repeatedly to select "CLOCK SET?", then press **ENTER/YES** on the remote.
- 3 Do the same procedures as steps 3 to 5 above.

Loading a CD

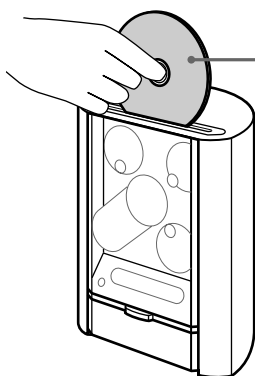
1 Press .

“OPEN” appears and the function switches to CD.

2 Insert a CD and push down on it gently.

The CD is drawn in and playback starts automatically.

With the label side facing front.



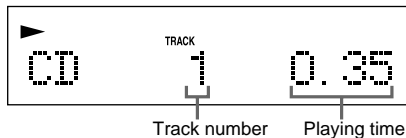
Tips

- To reload the CD, first remove the CD, and then load it again.
- You can load a CD single (8 cm CD) without an adapter.
- Playback starts automatically when you simply load the CD (CD Auto Play). This function, however, does not work while Program Play is selected.

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** on the remote in stop mode repeatedly until the mode you want appears.

Select	To play
No display (Normal Play)	The tracks on the CD in original order.
SHUFFLE (Shuffle Play)	The tracks on the CD in random order.
PROGRAM (Program Play)	The tracks on the CD in the order you want them to be played (see “Programing CD tracks” on page 10).

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

continued

Playing a CD (continued)

Other operations

To	Do this
Stop play	Press ■.
Pause	Press ► (or on the remote). Press again to resume play.
Select a track	During play or pause, press ◀◀ or ▶▶ repeatedly until you find the desired track.
Find a point in a track	During play, press and hold down ◀◀ or ▶▶ and release it at the desired point.
Play repeatedly (Repeat Play)	Press REPEAT on the remote repeatedly during play until "REPEAT" or "REPEAT1" appears. REPEAT: For all the tracks on the CD up to five times. REPEAT1: For a single track only. To cancel playing repeatedly, press REPEAT on the remote repeatedly until "REPEAT" and "REPEAT1" disappear.
Remove the CD	Press ▲ to remove the CD, then press ▲ again to close the cover inside the disc slot.

To enter track number using the remote

You can also select the desired track using the remote during Normal Play (no display). Press number buttons. Play automatically starts.

To enter track number 10 or higher

1 Press >10.

2 Enter the corresponding digits.

To enter 0, press 10/0 instead.

Example:

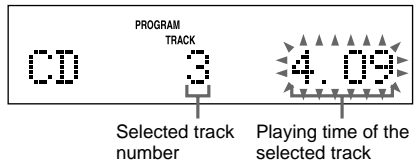
To enter track number 30, press >10, then 3 and 10/0.

Programing CD tracks

— Program Play

You can make a program of up to 25 tracks on a CD in the order you want to play them.

- 1 Press FUNCTION repeatedly to switch the function to CD.**
- 2 Press PLAY MODE on the remote in stop mode repeatedly until "PROGRAM" appears.**
- 3 Press ◀◀ or ▶▶ repeatedly until the desired track number appears.**

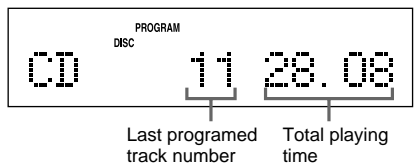


- 4 Press ENTER/YES on the remote.**

The track is programmed.

"Step" appears, followed by the order number of the track just programmed. Then the last programmed track number appears, followed by the total playing time of the program.

If you made a mistake, you can clear the last programmed track from the program by pressing CLEAR on the remote.



- 5 To program additional tracks, repeat steps 3 and 4.**
- 6 Press ►|| (or CD ► on the remote).**

Other operations

To	Do this
Check the program order	Press ◀◀ or ▶▶ repeatedly during Program Play.
Check the total number of programed tracks	Press TIME on the remote in stop mode. The total number of programed tracks appears, followed by the last programed track number and the total playing time of the program.
Cancel Program Play	Press PLAY MODE on the remote in stop mode repeatedly until "PROGRAM" and "SHUFFLE" disappear.
Add a track to the end of the program in stop mode	Do steps 3 and 4.
Erase a track	Press CLEAR on the remote in stop mode. Each time you press the button, the last programed track is erased.

Tips

- The program you made remains after Program Play finishes. To play the same program again, switch the function to CD, then press ▶▶ (or CD ▶▶ on the remote).
- " _ _ _ " appears when the total CD program time exceeds 100 minutes, or when you select a CD track whose number is 21 or over.

Labeling a CD

— Disc Memo

You can label up to 100 CDs with titles of up to 20 symbols and characters. Whenever you load a labeled CD, the title appears.

1 Press FUNCTION repeatedly to switch the function to CD.

If "SHUFFLE" or "PROGRAM" appears, press PLAY MODE on the remote repeatedly until both disappear.

2 Press NAME EDIT/SELECT on the remote in stop mode.

The cursor starts flashing.

3 Press NAME EDIT/SELECT on the remote repeatedly to select the desired type of character.

Type of character	Select
Uppercase letters/ blank space/symbols	Selected AB
Lowercase letters/ blank space/symbols	Selected ab
Numbers	Selected 12

continued

Labeling a CD (continued)

4 Enter a character.

Type of character	Do this
Uppercase or lowercase letters	Press the corresponding letter button on the remote repeatedly until the character to be entered flashes. Or press the button once and press ◀◀ or ▶▶ repeatedly. Then press CURSOR→ on the remote.
Numbers	Press the corresponding number button on the remote.
Blank space	Press 10/0 on the remote.
Symbols (' - / , . () : ! ?)	Press number 1 on the remote repeatedly.
Symbols (& + < > _ = " ; # \$ % @ * `)	Press number 1 on the remote and press ◀◀ or ▶▶ repeatedly. Then press CURSOR→ on the remote.

5 Repeat steps 3 and 4 to enter the rest of the name.

6 Press **ENTER/YES** on the remote.

“Complete!” appears.

To erase and change a character

In step 3 or 4, press **←CURSOR** or **CURSOR→** on the remote repeatedly until the character you want to change flashes. Press **CLEAR** on the remote to erase the character, then repeat steps 3 and 4.

To cancel labeling

Press **MENU/NO** on the remote.

To add a character

After step 2, press **←CURSOR** or **CURSOR→** on the remote repeatedly to move the cursor to the place where you want to add a character. Then proceed to step 3.

Checking the disc titles

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

2 Press **MENU/NO** on the remote in stop mode.

3 Press **◀◀** or **▶▶** on the remote repeatedly until “Name Check?” appears, then press **ENTER/YES** on the remote.

4 Press **◀◀** or **▶▶** on the remote repeatedly to select the disc titles stored in the system memory between **001** and **100**.

To check the current disc title

Press **SCROLL** on the remote in stop mode.

Erasing a disc title

- 1 Press **FUNCTION** repeatedly to switch the function to **CD**.
If “SHUFFLE” or “PROGRAM” appears, press **PLAY MODE** on the remote repeatedly until both disappear.
- 2 Press **MENU/NO** on the remote in stop mode.
- 3 Press **◀◀** or **▶▶** on the remote repeatedly until “Name Erase?” appears, then press **ENTER/YES** on the remote.
- 4 Press **◀◀** or **▶▶** on the remote repeatedly to select the disc title you want to erase.
- 5 Press **ENTER/YES** on the remote again. “Complete!” appears.

To erase all disc titles

Press **◀◀** or **▶▶** on the remote repeatedly until “All Erase?” appears in step 3, then press **ENTER/YES** on the remote twice.

To cancel erasing

Press **MENU/NO** on the remote during steps 1 through 4.

Note

The disc titles are saved in the system memory for about a day even if you disconnect the power cord or a power failure occurs.

Presetting radio stations

The system can store a total of 30 preset stations (20 for FM and 10 for AM). You can then tune in any of those stations simply by selecting the corresponding preset number.

There are two ways to store the preset stations.

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** (or **TUNER BAND on the remote**) repeatedly to select “FM” or “AM”.
- 2 Press **TUNING MODE** on the remote repeatedly until “AUTO” appears.
- 3 Press **TUNING – or + (or – 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 only) appear.

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

Set the frequency of the desired radio station as described in steps 2 through 8 of “Setting presets through manual tuning”.

continued

Presetting radio stations (continued)

- 4 Press MENU/NO on the remote.
- 5 Press TUNING – or + (or – or + on the remote) repeatedly until “Memory?” appears, then press ENTER/YES on the remote.
A preset number appears.
Do steps 6 and 7 when the preset number is flashing.
- 6 Press TUNING – or + (or – or + on the remote) repeatedly to select the desired preset number.



- 7 Press ENTER/YES on the remote.
“Complete!” appears.
The station is stored.
- 8 Repeat steps 1 through 7 to store other stations.

Tip

Press TUNING MODE on the remote when you want to stop scanning.

Setting presets through manual tuning

- 1 Press TUNER/BAND (or TUNER BAND on the remote) repeatedly to select “FM” or “AM”.
- 2 Press TUNING MODE on the remote repeatedly until “MANUAL” appears.

- 3 Press TUNING – or + (or – or + on the remote) repeatedly to tune in the desired station.
- 4 Press MENU/NO on the remote.
- 5 Press TUNING – or + (or – or + on the remote) repeatedly until “Memory?” appears, then press ENTER/YES on the remote.
A preset number appears.
Do steps 6 and 7 when the preset number is flashing.
- 6 Press TUNING – or + (or – or + on the remote) repeatedly to select the desired preset number.



- 7 Press ENTER/YES on the remote.
“Complete!” appears.
The station is stored.
- 8 Repeat steps 1 through 7 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 MENU/NO on the remote in step 5 or 6.
Change the preset station	Start over from step 1.

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

The AM tuning interval is factory-preset to 9 kHz (10 kHz for some areas). To change the AM tuning interval, tune in any AM station first, then turn off the system. While holding down FUNCTION on the system, 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.

Tips

- The preset stations are retained for about a day even if you disconnect the power cord or if a power failure occurs.
- You can label the preset stations (see page 16).
- To improve the broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.

Listening to the radio

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

Listening to a preset station

— *Preset Tuning*

Preset radio stations in the tuner's memory first (see "Presetting radio stations" on page 13).

- 1 Press TUNER/BAND (or TUNER BAND on the remote) repeatedly to select "FM" or "AM".**
- 2 Press TUNING MODE on the remote repeatedly until "PRESET" appears.**
- 3 Press TUNING – or + (or – or + on the remote) repeatedly to select the desired preset station (or station name* or RDS station name**).**

* The station name appears only if you have labeled the station (see "Labeling the preset stations" on page 16).

** European model only.

To select a desired preset number using the number buttons on the remote

Press number buttons instead of performing step 3.

To enter preset number 10 or higher, press >10 and enter the corresponding digits. To enter 0, press 10/0 instead.

Example:

To enter preset number 20, press >10, then 2 and 10/0.

Listening to a non-preset radio station

— *Manual Tuning*

- 1 Press TUNER/BAND (or TUNER BAND on the remote) repeatedly to select "FM" or "AM".**
- 2 Press TUNING MODE on the remote repeatedly until "MANUAL" appears.**
- 3 Press TUNING – or + (or – or + on the remote) repeatedly to tune in the desired station.**

Tips

- To improve the broadcast reception, adjust the supplied antennas, or connect a commercially available external antenna.
- When an FM stereo program has static noise, press FM MODE on the remote repeatedly until "MONO" appears. There will be no stereo effect, but the reception will improve.
- Press TUNING MODE on the remote repeatedly until "AUTO" appears in step 2, then press TUNING – or + (or – or + on the remote). The frequency indication changes and the scanning stops when the system tunes in a station (Automatic Tuning).

Labeling the preset stations

— Station Name

You can label each preset station with up to 10 symbols or characters (Station Name).

- 1 Tune the preset station you want to label (see “Listening to the radio” on page 15).**
- 2 Follow the same procedures as from steps 2 to 6 of “Labeling a CD” on page 11.**

To cancel labeling

Press MENU/NO on the remote.

To erase the name

- 1 Tune the station.**
- 2 Press NAME EDIT/SELECT on the remote.**
- 3 Press CLEAR on the remote repeatedly to erase the name.**
- 4 Press ENTER/YES on the remote.**

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 type 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 cyclically as follows:

Station name** → Frequency → Clock display → Volume

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

Adjusting the sound

Generating a more dynamic sound

— DSG

Press DSG* on the remote.

“DSG” appears.

To cancel the DSG, press DSG on the remote again.

* DSG: Dynamic Sound Generator

Tip

DSG is factory set to on.

Selecting the surround effect

Press SURROUND on the remote.

“SURR” appears.

To cancel the surround effect, press SURROUND on the remote again.

Adjusting the bass and treble

To adjust	Press
Bass	BASS + or – on the remote repeatedly.
Treble	TREBLE + or – on the remote repeatedly.

Tips

- You can adjust the bass and treble in 7 steps (from –3 to +3).
- You can enjoy the original sound by setting BASS and TREBLE to “–”.

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 repeatedly.

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

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

* The system automatically turns off after the current sound source finishes playing (up to 4 hours).

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

** You cannot check the remaining time when you select “AUTO”.

Waking up to music

— Play Timer

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

1 Prepare the sound source you want to play.

- CD: Load a CD. To start from a specific track, make a program (see “Programming CD tracks” on page 10).
- Radio: Tune in the preset radio station that you want (see “Listening to the radio” on page 15).

2 Press VOLUME + or – (or VOL + or – on the remote) repeatedly to adjust the volume.

3 Press CLOCK/TIMER SET on the remote.

“PLAY SET?” flashes, then press ENTER/YES on the remote.

4 Press ◀ or ▶ on the remote repeatedly until the type of timer you want appears, then press ENTER/YES on the remote.

To play	Select
Only once	PLAY ONCE?
Everyday	PLAY DAILY?
The same day(s) every week	PLAY WEEKLY?

5 Set the time to start playing.

If you selected “PLAY ONCE?” or “PLAY WEEKLY?” in step 4, press ◀◀ or ▶▶ on the remote to set the day, then press ENTER/YES on the remote.

The hour indication flashes.

Press ◀◀ or ▶▶ on the remote repeatedly to set the hour, then press ENTER/YES on the remote.

The minute indication flashes.

Press ◀◀ or ▶▶ on the remote repeatedly to set the minute, then press ENTER/YES on the remote.

The following indication flashes again if you selected in step 4:

“PLAY ONCE?” or “PLAY WEEKLY?”:

The day indication

“PLAY DAILY?”: The hour indication.

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

7 Press ◀◀ or ▶▶ on the remote repeatedly until the desired sound source appears.

The indication changes as follows:

TUNER ↔ CD PLAY

8 Press ENTER/YES on the remote.

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

9 Press I/⏻ to turn off the system.

To	Do this
Check the settings	Press CLOCK/TIMER SELECT on the remote, then press ENTER/YES on the remote. "PLAY ON?" appears, then press ENTER/YES on the remote.
Activate the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until "PLAY ON?" appears, then press ENTER/YES on the remote.
Change the setting	Start over from step 1.
Cancel the timer	Press CLOCK/TIMER SELECT on the remote and press ◀◀ or ▶▶ on the remote repeatedly until "TIMER OFF?" appears, then press ENTER/YES on the remote.

Notes

- Do not operate the system from the time the system turns on until the play starts (about 15 seconds before the preset time). Otherwise the timer will not be activated correctly.
- If you use the Play Timer at the same time as the Sleep Timer, the Sleep Timer has priority.
- You cannot use the optional components connected to PC/TAPE/MD IN jack as the sound source for Play Timer.

Turning off the display

— Power Saving Mode

Even if the system is off, the system consumes power to display the clock and to stay responsive to commands from the remote. The Power Saving Mode is introduced to reduce the amount of power consumed during standby. In this mode, the clock is not displayed.

Press DISPLAY while the system is off until the clock display disappears.

To cancel Power Saving Mode
Press DISPLAY while the system is off.

The display changes as follows:

Clock display* ↔ No display (Power Saving Mode)

* The clock is displayed only when you have set the clock.

Tip

The timer continues to operate during Power Saving Mode.

Changing the brightness for the display

You can change the brightness for the display.

Press DIMMER on the remote repeatedly while the system is on.

The brightness level changes cyclically.

Tip

The brightness level is factory set to high.

Using the display

You can check the remaining time of the current track or the entire CD. When a CD TEXT disc is loaded, you can also check the information recorded on the disc, such as the titles.

Checking the remaining time

Press TIME on the remote repeatedly during normal play.

The display changes cyclically as follows:

Elapsed playing time on the current track →

Remaining time of the current track* →

Remaining time of the current CD**

* “_ _ _ _” appears when you check the remaining time of a CD track whose number is 21 or over.

** “_ _ _ _” appears during Shuffle Play of a CD which has 21 or more tracks, or during Program Play when a CD track whose number is 21 or over is selected.

Checking the total playing time

Press TIME on the remote in stop mode.

Checking a track title, a disc title (CD)

Press DISPLAY repeatedly.

The display changes cyclically as follows:

Clock display → Volume*¹ → Playing time of the CD*² → Track title or disc title*³

*¹ After 8 seconds, the playing time of the CD appears.

*² The display that appears depends on the current disc status:

If the disc is stopped: The total playing time of the CD is displayed.

If the disc is playing: The elapsed playing time of the track, remaining playing time of the track, or remaining playing time of the CD is displayed.

*³ The track title appears during playback (only for CDs with CD TEXT), and the disc title appears when the disc is stopped. If a CD that has no title is loaded, the track title or disc title is skipped.

Checking a station name (Tuner)

Press DISPLAY repeatedly.

The display changes cyclically as follows:

Station name* → Frequency** → Clock display → Volume**

* The station name is skipped if the station is unlabeled.

** After appearing for 8 seconds, the display will revert back to the station name (or to the frequency if the station is unlabeled).

To scroll a long name

Press SCROLL on the remote.

The title appears scrolling.

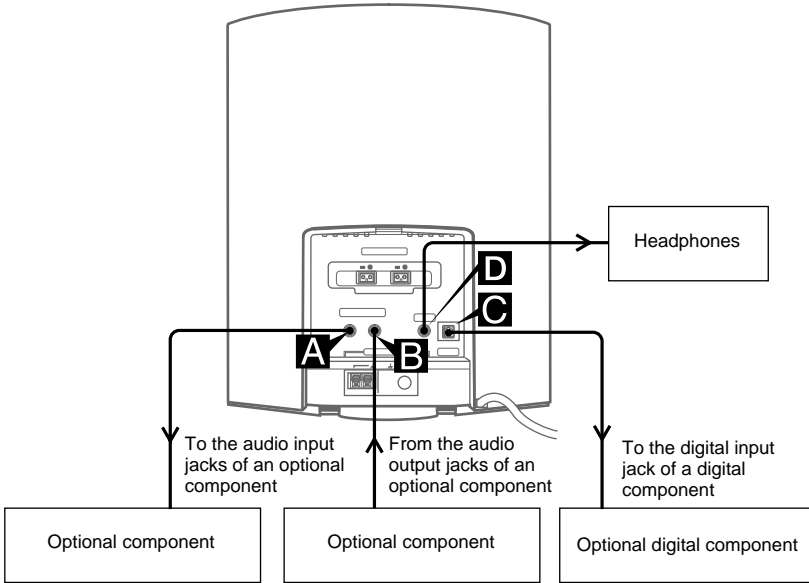
To pause the scrolling of the title, press SCROLL on the remote again.

Tips

- If you press TIME on the remote in stop mode for a CD with CD TEXT containing the artist name, the artist name appears scrolling.
- To label a disc title on a CD, see “Labeling a CD” on page 11.
- To label a station name on a preset station, see “Labeling the preset stations” on page 16.

Hooking up optional components

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



A PC/TAPE/MD OUT jack

Use an audio cord (not supplied) to connect an optional component (such as a personal computer, a cassette deck or an MD deck) to this jack. You can then output analog audio to that component from this system.

B PC/TAPE/MD IN jack

Use an audio cord (not supplied) to connect an optional component (such as a personal computer, a cassette deck or an MD deck) to this jack. You can then listen to analog audio from that component through this system.

C OPTICAL CD DIGITAL OUT jack

Use a digital optical cable (square, not supplied) to connect an optional digital component (such as an MD deck) to this jack. You can then output digital audio to that component from this system.

D PHONES jack

You can connect the headphones to this jack.

Listening to audio from a connected component

- 1 Connect the audio cord.**
See “Hooking up optional components” on page 21.
- 2 Press FUNCTION repeatedly until “PC”, “MD” or “TAPE” appears.**
Start playing the connected component.

To select the desired connected component

- 1 Turn on the system.**
- 2 Press FUNCTION repeatedly until “PC”, “MD” or “TAPE” appears.**
- 3 Press MENU/NO on the remote.**
- 4 Press I◀◀ or ▶▶I on the remote repeatedly to select the desired connected component.**

To listen to	Select
The connected personal computer	PC?
The connected MD deck	MD?
The connected tape deck	TAPE?

- 5 Press ENTER/YES on the remote.**

Recording on a connected component

Making a digital recording on a digital component

- 1 Connect the digital optical cable.**
See “Hooking up optional components” on page 21.

- 2 Start recording.**
Refer to the operating instructions provided with connected component.

Making an analog recording on a component

- 1 Connect the audio cord.**
See “Hooking up optional components” on page 21.
- 2 Start recording.**
Refer to the operating instructions provided with connected component.

Problems and remedies

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

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

“--:--” appears in the display.

- Set the clock again (see page 8).

There is no sound.

- Adjust the volume.
- Make sure the headphones are not connected.
- Check the speaker connections (see page 6).

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

- Connect the speaker cords properly (see page 6).
- Place the speakers as symmetrically as possible.
- Connect the supplied speakers.

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 8).

The timer does not function.

- Activate the timer (see “To activate the timer” on page 19).
- Check the set contents and set the correct time (see page 8 or 19).
- After you have set the timer, make sure to press **I/⏻** to turn off the system.
- The system is on about 15 seconds before the preset time.

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 CR2025 battery.
 - Locate the system away from the fluorescent light.
-

CD Player

The cover inside the disc slot does not open and “LOCKED” appears.

- Consult your nearest Sony dealer.

The CD does not eject.

- Consult your nearest Sony dealer.

Play does not start.

- Load a CD.
- Wipe the CD clean (see page 26).
- Replace the CD.
- The CD has been inserted with the label side facing inward. Load the CD correctly.
- Remove the CD and wipe away the moisture on the CD, then leave the system turned on for a few hours until the moisture evaporates.
- Press **▶||** (or CD **▶** on the remote) to start play.

The sound skips.

- Wipe the CD clean (see page 26).
- Replace the CD.
- 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.

- With the system stopped, press **PLAY MODE** on the remote repeatedly until “PROGRAM” and “SHUFFLE” disappear to return to normal play.
-

continued

Tuner

There is severe hum or noise (“TUNED” or “STEREO” flashes).

- Set the proper band and frequency (see page 13).
- 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 wire 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 wire has come off the plastic stand.
- Try turning off surrounding electrical equipment.

A stereo FM program cannot be received in stereo.

- Press FM MODE on the remote until “MONO” disappears.
 - See “There is severe hum or noise (“TUNED” or “STEREO” flashes).”, and check the antenna condition.
-

Optional components

There is no sound.

- Refer to General item “There is no sound.” on page 23 and check the condition of the system.
 - Connect the component properly (see page 21) 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 included with the connected component and start playing.
 - Press FUNCTION repeatedly until “PC” (or “MD” or “TAPE”) appears.
-

The sound is distorted.

- Set the volume of the connected component lower.
 - The external input may be excessively large. Set the external function to “MD” (see page 22).
-

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

With the system turned on, press ▲, TUNER/BAND and FUNCTION at the same time. “COLD RESET” appears and the system turns off. The system is reset to the factory settings. All the settings you made are cleared. Be sure to restore all necessary settings.

Note

You cannot reset the system in the Power Saving Mode.

Self-diagnosis display

Messages

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

CD

Complete!

CD editing (Disc Memo) finished normally.

File Full

There are already 100 disc titles stored in the system.

Initialize

The system is being initialized. You cannot load a CD during this time. Wait until "Initialize" disappears.

No Disc

There is no disc in the CD player.

—OVER—

You have reached the end of the CD while pressing and holding down ►► during playing pause.

Push STOP!

You pressed PLAY MODE on the remote during play.

Step Full!

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

Additional Information

Precautions

The nameplate is located on the bottom exterior.

CAUTION

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

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 front cover is made of tempered glass. Under normal conditions, this tempered glass is more shock resistant and able to bear more weight than ordinary glass. This glass, however, may shatter if it receives a sharp blow or if it is scratched.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet (mains) if it is not to be used for an extended period of time. To disconnect the power cord (mains lead), pull it out by the plug. Never pull the cord itself.
- Should any solid object or liquid fall into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

On placement

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

continued

Precautions (continued)

On heat buildup

- Although the unit heats up during operation, this is not a malfunction.
- To prevent heat build-up in the system, place the system in a location with adequate ventilation and refrain from placing anything on the top of the cabinet.

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.

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 CD player. Should this occur, the system will not operate properly. Remove the CD and leave the system turned on for about an hour 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, 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 speaker system, 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

- Before playing a CD, clean the CD surface with a cleaning cloth. Wipe the CD from the center out.
- Do not play a CD with tape, stickers, or adhesives on any of its surfaces as this may damage the system.
- Do not use solvents.
- Do not expose the CDs 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.

Note on CD-R/CD-RW play

Discs recorded on CD-R/CD-RW drives may not be played back because of scratches, dirt, recording condition or the drive's characteristics. Besides, the discs, which are not yet finalized at the end of recording, cannot be played back.

Cleaning the cabinet

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

Specifications

Main unit (HCD-EX5)

Amplifier section

For the U.S. model

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION:

With 4 ohms loads, both channels driven, from 120 - 10,000 Hz; rated 12 watts per channel minimum RMS power, with no more than 10% total harmonic distortion from 250 milli watts to rated output.

North American model:

Continuous RMS power output (Reference):
15 + 15 W
(4 ohms at 1 kHz, 10% THD)

European model:

DIN power output (Rated): 12 + 12 W
(4 ohms at 1 kHz, DIN)

Continuous RMS power output (Reference):
15 + 15 W
(4 ohms at 1 kHz, 10% THD)

Music power output (Reference):
15 + 15 W

Other models:

The following measured at 220 V AC, 60 Hz
DIN power output (Rated):

12 + 12 W
(4 ohms at 1 kHz, DIN,
110 V - 240 V AC)

Continuous RMS power output (Reference):
15 + 15 W
(4 ohms at 1 kHz, 10% THD, 110 V - 240 V AC)

Inputs

PC/TAPE/MD IN (stereo mini jack):
voltage 450 mV (MD)/
250 mV (PC/TAPE),
impedance 47 kilohms

Outputs

PC/TAPE/MD OUT (stereo mini jack):
voltage 250 mV,
impedance 1 kilohm

PHONES (stereo mini jack):
accepts headphones with
an impedance of 8 ohms
or more

OPTICAL CD DIGITAL OUT (Supported sampling
frequency: 44.1 kHz)

CD player section

System Compact disc and digital
audio system
Laser Semiconductor laser
($\lambda = 795 \text{ nm}$)
Emission duration:
continuous
Frequency response 2 Hz - 20 kHz

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 wire antenna
Antenna terminals 75 ohms unbalanced
Intermediate frequency 10.7 MHz

AM tuner section

Tuning range
Pan-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:
530 - 1,710 kHz
(with the interval set at
10 kHz)

531 - 1,602 kHz
(with the interval set at
9 kHz)

Antenna AM loop antenna, external
antenna terminal

Intermediate frequency 450 kHz

Speakers (SS-CEX5)

Speaker system 2-way, bass-reflex type
Speaker units
Woofers 10 cm dia., cone type
Tweeters 2.5 cm dia., dome type
Rated impedance 4 ohms
Dimensions (w/h/d) Approx. 160 × 235 ×
150 mm
Mass Approx. 1.5 kg net per
speaker

continued

Specifications (continued)

General

Power requirements

North American model:	120 V AC, 60 Hz
European model:	230 V AC, 50/60 Hz
Mexican model:	120 V AC, 60 Hz
Australian model:	220 – 240 V AC, 50/60 Hz
Korean model:	220 V AC, 60 Hz
Chinese model:	220 V AC, 50/60 Hz
Other models:	110 – 240 V AC, 50/60 Hz

Power consumption

European model:	See the nameplate 0.25 W (at the Power Saving Mode)
Other models:	See the nameplate

Dimensions (w/h/d)	Approx. 186 × 235 × 157 mm incl. projecting parts and controls
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Mass	Approx. 3.0 kg
------	----------------

Supplied accessories	Remote commander with battery (1) AM loop antenna (1) FM wire antenna (1)
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Design and specifications are subject to change without notice.