SONY

4-460-928-**12**(2)

Home Audio System

Operating Instructions

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CMT-S20B

GB

http://www.sony.net/

COMPACT DISC DIGITAL AUDIO

DAB Digital Audio Broadcasting

RDS

WARNING

To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.
Do not expose the appliance to naked flame sources (for example, lighted candles).

To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing, and do not place objects filled with liquids, such as vases, on the appliance.

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

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

CAUTION

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

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

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

Notice for customers: the following information is only applicable to equipment sold in countries applying EU directives.

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.
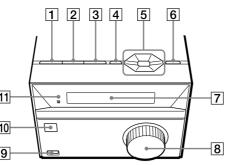
Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

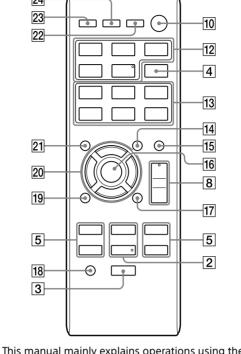## Music discs encoded with copyright protection technologies

This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

License and Trademark Notice

- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.
- All other trademarks and registered trademarks are of their respective holders. In this manual, ™ and ® marks are not specified.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.
Applicable accessories: Remote commander

Europe Only

Pb

Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)

This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.
On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.
By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.
In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment. For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries.
For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.
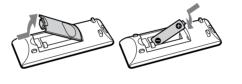
Unit

Remote

This manual mainly explains operations using the remote, but the same operations can also be performed using the buttons on the unit having the same or similar names.

To use the remote

Slide and remove the battery compartment lid, and insert the R6 (size AA) battery (not supplied), ⊖ side first, matching the polarity shown below.

Notes on using the remote

- With normal use, the battery should last for about six months.
- If you do not use the remote for a long period of time, remove the battery to avoid damage from battery leakage and corrosion.

When carrying this system

1. Remove a disc to protect the CD mechanism.
2. Press I/⏻ (on/standby) ⏲ on the unit to turn off the system and confirm that "STANDBY" stops flashing.
3. Unplug the power cord.

To set the clock

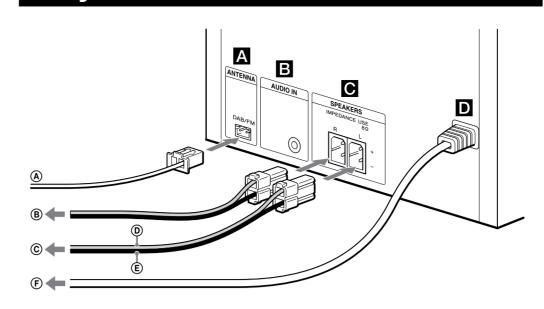1. Press I/⏻ ⏲ to turn on the system.
2. Press TIMER MENU ㉔ to select the clock set mode.
   If "SELECT" appears, press I◀◀ /▶▶I ⑤ repeatedly to select "CLOCK," and then press ⊕ (enter) ⑯.
3. Press I◀◀ /▶▶I ⑤ repeatedly to set the hour, then press ⊕ ⑯.
4. Use the same procedure to set the minutes.

Note

The clock settings are lost when you disconnect the power cord or if a power failure occurs.

To display the clock when the system is off

Press DISPLAY ㉒. The clock is displayed for about 8 seconds.

Unit connections

A ANTENNA

Find a location and orientation that provide good reception when you set up the antenna.
Keep the antenna away from the speaker cords and the power cord to avoid picking up noise.
Before unplugging the DAB/FM antenna, make sure the system is turned off to preserve your own DAB and FM settings.

B AUDIO IN jack

Connect an external audio component.

C SPEAKERS

Connect the speaker cords.

D Power

Connect the power cord to a wall outlet.

Getting Started

Ⓐ DAB/FM lead antenna (Extend it horizontally.)
Ⓑ To right speaker
Ⓒ To left speaker
Ⓓ Speaker cord (Red/⊕)
Ⓔ Speaker cord (Black/⊖)
Ⓕ To wall outlet
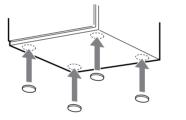
Reception of DAB/DAB+ radio station

When you turn on the system for the first time after you purchase the system, DAB Automatic Scan starts automatically and creates a list of available services. During the DAB Automatic Scan, the scanning progress is indicated as a percentage. Do not press any button on the unit or the remote during DAB Automatic Scan. Scanning is interrupted and service list may not be created properly.
To run the DAB Automatic Scan manually, perform the procedure of "Running the DAB Automatic Scan manually" in "Listening to the radio." If you have moved to another area, perform the DAB Automatic Scan manually and re-register the contents of broadcasts.

To attach the speaker pads

Attach the supplied speaker pads at each corner on the bottom of the speakers to prevent them from slipping.

Operations

Playing a CD/MP3/WMA disc

1. Select the CD function.
   Press CD ⑫.
2. Place a disc.
   Press ⏏ ⑥ on the unit, and place a disc with the label side up on the CD compartment.
   To close the CD compartment, press ⏏ ⑥ on the unit.
3. Start playback.
   Playback of the CD-DA disc starts automatically.
   Press ▶ (play) ② to play a MP3/WMA disc.

Other operations

To	Press
Pause playback	Ⅱ (pause) ②. To resume play, press ▶ ②.
Stop playback	■ (stop) ③ twice.
Select a folder on an MP3/WMA disc	⌂ (select folder) +/⌂ − ⑳ repeatedly.
Select a track or file	I◀◀ (go back)/▶▶I (go forward) ⑤.
Find a point in a track or file	Hold down ◀◀ (rewind)/▶▶ (fast forward) ⑤ during playback, and release the button at the desired point.
Select Repeat Play	REPEAT ⑰ repeatedly until "RPT 1," "RPT FLDR*" or "RPT ALL" appears.

* MP3/WMA disc only

To change the play mode

Press PLAY MODE ⑭ repeatedly while the player is stopped. You can select normal play ("FLDR" for all MP3/WMA files in the folder on the disc), shuffle play ("SHUF" or "FLDRSHUF" for folder shuffle), or program play ("PROGRAM").

Note on Repeat Play

"RPT 1" indicates that a single track or file is repeated until you stop playback.

Notes on playing MP3/WMA discs

- Do not save other types of files or unnecessary folders on a disc that has MP3/WMA files.
- Folders that have no MP3/WMA files are skipped.
- MP3/WMA files are played back in the order that they are recorded onto the disc.
- The audio formats that you can listen to with this system are as follows:
  — MP3: file extension ".mp3"
  — WMA: file extension ".wma"
- Even when file name has the correct file extension, if the actual file differs, playing this file may generate a loud noise by which the system may malfunction.
- The maximum number of:
  — folders is 256 (including the root folder).
  — MP3/WMA files is 999.
  — folder levels (the tree structure of files) is 8.
- Compatibility with all MP3/WMA encoding/writing software, recording device, and recording media cannot be guaranteed. Incompatible MP3/WMA discs may produce noise or interrupted audio or may not play at all.

Note on playing multisession discs

The system can play back continuous sessions on a disc when they are recorded in the same session format as the first session. When a session recorded in a different session format is encountered, that session and the ones following it cannot be played back. Note that even if the sessions are recorded in the same format, some sessions may not play back.
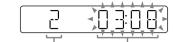
Listening to the radio

1. Select the DAB or FM function.
   Press DAB ⑫ or FM ⑫.
2. Perform tuning.

For tuning to a DAB/DAB+ station

Press PRESET+/PRESET− ⑤ repeatedly to tune to the desired station.

For automatic scanning (FM band only)

Press TUNING MODE ⑭ repeatedly until "AUTO" appears, and then press TUNING+/ TUNING− ⑤. Scanning stops automatically when a station is tuned in.

> FM 87.50

If the scanning for an FM station does not stop, press ■ ③ to stop scanning, then perform manual tuning (below).

For manual tuning (FM band only)

Press TUNING MODE ⑭ repeatedly until "MANUAL" appears, and then press TUNING+/ TUNING− ⑤ repeatedly to tune to the desired station.

When you tune to a DAB/DAB+ station or an FM station that provides RDS services, the service name or station name appears on the display.

Notes on DAB/DAB+ stations

- When tuning to a DAB/DAB+ station, it may take a few seconds before you hear any sound.
- Primary service is automatically received when secondary service ends.
- This tuner does not support data services.

Tip

To reduce static noise on a weak FM stereo station, press FM MODE ⑰ repeatedly until "MONO" appears to turn off stereo reception. You will lose stereo effect, but reception will improve.

Running the DAB Automatic Scan manually

1. Press TUNING MODE ⑭ repeatedly until "SCAN" appears.
2. Press ⊕ ⑯ to perform scanning.
   Scanning begins. The scanning progress is indicated as a percentage. Depending on the DAB/DAB+ services available in your area, scanning may take a few minutes.

> SCAN 20

When scanning is complete, a list of available services is created.

Notes

- If your country or region does not support DAB/ DAB+ broadcast, "NO SERV" appears.
- This procedure clears all previously stored presets.
- Before unplugging the DAB/FM antenna, make sure the system is turned off to preserve your own DAB/DAB+ settings.

Presetting radio stations

1. Tune to the desired station.
2. Press TUNER MEMORY ㉑ to select the tuner memory mode.

> P 03

3. Press PRESET+/PRESET− ⑤ repeatedly to select the desired preset number.
   If another station is already assigned to the selected preset number, the station is replaced by the new station.
4. Press ⊕ ⑯ to store the station.
5. Repeat steps 1 through 4 to store other stations.
   You can preset up to 20 DAB/DAB+ and 20 FM stations. The preset stations are retained for about half a day even if you disconnect the power cord or if a power failure occurs.

To tune to a preset radio station

If you registered a radio station to a preset number 1 to 6, the radio station will be tuned in by just pressing the TUNER MEMORY NUMBER (1 to 6) ⑬ when the system function is set to DAB or FM.
If you registered a radio station to a preset number 7 or higher, press TUNING MODE ⑭ repeatedly until "PRESET" appears then press PRESET+/PRESET− ⑤ repeatedly to select the desired preset number.

Note on presetting DAB/DAB+ stations

You can preset a DAB/DAB+ service only when it can be received.

Playing a file of the USB device

The audio format that can be played back on this system is MP3/WMA*.

* Files with DRM (Digital Rights Management) copyright protection cannot be played back on this system.
Files downloaded from an online music store may not be played back on this system.
Check the website below for the information about compatible USB devices.
http://support.sony-europe.com/

1. Select the USB function.
   Press USB ⑫.
2. Connect the USB device to the ⟶ (USB) port ⑨.
3. Start playback.
   Press ▶ ②.

Other operations

To	Press
Pause playback	Ⅱ ②. To resume play, press ▶ ②.
Stop playback	■ ③. To resume play, press ▶ ②*. To cancel resume play, press ■ ③ again.
Select a folder	⌂ +/⌂ − ⑳ repeatedly.
Select a file	I◀◀ /▶▶I ⑤.
Find a point in a file	Hold down ◀◀/▶▶ ⑤ during playback, and release the button at the desired point.
Select Repeat Play	REPEAT ⑰ repeatedly until "RPT 1," "RPT FLDR" or "RPT ALL" appears.

* When playing a VBR MP3/WMA file, the system may resume playback from a different point.

To change the play mode

Press PLAY MODE ⑭ repeatedly while the USB device is stopped. You can select normal play ("FLDR" for all files in the folder on the USB device), shuffle play ("SHUF" or "FLDRSHUF" for folder shuffle), or program play ("PROGRAM").

Note on Repeat Play

"RPT ALL" indicates that all audio files on a USB device are repeated until you stop playback.

Notes

- When USB cable connection is necessary, connect the USB cable supplied with the USB device to be connected. See the operation manual supplied with the USB device to be connected for details on the operation method.
- It may take about 10 seconds before "SEARCH" appears depending on the type of USB device connected.
- Do not connect the system and the USB device through a USB hub.
- When the USB device is inserted, the system reads all the files on the USB device. If there are many folders or files on the USB device, it may take a long time to finish reading the USB device.
- With some connected USB devices, after an operation is performed, there may be a delay before it is performed by this system.
- Compatibility with all encoding/writing software cannot be guaranteed. If audio files on the USB device were originally encoded with incompatible software, those files may produce noise or interrupted audio, or may not play at all.
- This system cannot play audio files on the USB device in the following cases;
  — when the number of audio files in a folder exceeds 999.
  — when the total number of audio files on a USB device exceeds 999.
  — when the number of folders on a USB device exceeds 256 (including the "ROOT" folder and empty folders).
  These numbers may vary depending on the file and folder structure. Do not save other types of files or unnecessary folders on a USB device that has audio files.
- The system can play back to a depth of 8 folders only.
- This system does not necessarily support all the functions provided in a connected USB device.
- Files and folders are displayed in the order of their creation on the USB device.
- Folders that have no audio files are skipped.
- The audio formats that you can listen to with this system are as follows:
  — MP3: file extension ".mp3"
  — WMA: file extension ".wma"
  Note that even when file name has the correct file extension, if the actual file differs, the system may produce noise or may malfunction.

To use the system as battery charger

You can use the system as a battery charger for USB devices that have a rechargeable function when the system is on.
The charging begins when the USB device is connected to the ⟶ (USB) port ⑨. The charge status appears in the USB device display. For details, see the user's guide of your USB device.

Notes on charging the USB device with this system

- You cannot use the system as a battery charger when the system is off.
- Some USB devices can be charged only when the system is in the USB function.

Creating your own program (Program Play)

1 Select the CD or USB function.
Press CD 12 or USB 12.

2 Select the play mode.
Press PLAY MODE 14 repeatedly until "PROGRAM" appears while the player is stopped.

3 Select the desired track or file number.
Press I◄◄/►►I 5 repeatedly until the desired track or file number appears.
When programming MP3/WMA files, press ⊡ +/⊡ – 20 repeatedly to select the desired folder, and then select the desired file.

Selected track or file number — Total playing time of the selected track (CD-DA disc only)

4 Program the selected track or file.
Press ⊕ 16 to enter the selected track or file.

5 Repeat steps 3 through 4 to program additional tracks or files, up to a total of 64 tracks or files.

6 To play your program of tracks or files, press ► 2.
The program remains available until you perform one of the following operations:
— changing the function.
— turning off the system.
— disconnecting the power cord.
— opening the CD compartment.
To play the same program again, press ► 2.

To cancel Program Play
Press PLAY MODE 14.

To delete the last track or file of the program
Press CLEAR 18 while the player is stopped.

Using optional audio components

1 Prepare the sound source.
Connect additional audio component to the AUDIO IN jack B on the unit using an audio analog cord (not supplied).

2 Turn down the volume.
Press VOLUME – 8.

3 Select the AUDIO IN function.
Press AUDIO IN 12.

4 Start playback.
Start playback of the connected component and adjust the volume.

Note
The system may enter standby mode automatically if the volume level of the connected component is too low. Adjust the component's volume accordingly. See "To turn off the automatic standby function."

Adjusting the sound

To	Press
Adjust the volume	VOLUME +/– 8.
Generate a more dynamic sound	BASS BOOST 15.
Set the sound effect	EQ 4 repeatedly until desired sound effect is displayed.

Changing the display

To	Press
Change information on the display*	DISPLAY 22 repeatedly when the system is on.
Check the clock when the system is off	DISPLAY 22 when the system is off. The clock is displayed for 8 seconds.

* For example, you can view CD/MP3/WMA disc information or the USB device information, such as;
— track or file number during normal play.
— track, file or title name during normal play.
— artist name during normal play.
— album or folder name during normal play.
— total playing time and total number of tracks on the CD-DA disc (only when normal play mode is selected and the player is stopped).
You can also view DAB/DAB+ station information such as the service name, channel label, DLS (Dynamic Label Segment), or ensemble label.

Notes on the display information
• Characters that cannot be displayed appear as "_".
• The following are not displayed;
— total playing time for an MP3/WMA disc and a USB device.
— remaining playing time for an MP3/WMA file.
• The following are not displayed correctly:
— elapsed playing time of an MP3/WMA file encoded using VBR (variable bit rate).
— folder and file names that do not follow either the ISO9660 Level 1, Level 2 or Joliet in the expansion format.
• The following are displayed;
— remaining playing time for a track.
— ID3 tag information for MP3 files when ID3 version 1 and version 2 tags are used (ID3 version 2 tag information display has priority when both ID3 version 1 and version 2 tags are used for a single MP3 file).
— up to 31 characters of ID3 tag information using uppercase letters (A to Z), numbers (0 to 9), and symbols (+ – . / [ ] _ | ¯).
— up to 8 characters of service name, up to 128 characters of DLS (Dynamic Label Segment) and up to 16 characters of ensemble label using uppercase letters (A to Z), numbers (0 to 9), and symbols (+ – . / [ ] _ | ¯).

Using the timers

The system offers two timer functions. If you use both timers, the Sleep Timer has priority.

Sleep Timer:
You can fall asleep to music. This function works even if the clock is not set.
Press SLEEP 23 repeatedly. If you select "AUTO," the system automatically turns off after the current disc or USB device stops, or within 100 minutes.

Play Timer:
You can wake up to a CD, DAB/DAB+/FM reception, USB device or an audio component connected to the AUDIO IN jack B at a preset time.
Make sure you have set the clock.

1 Prepare the sound source.
Prepare the sound source, and then press VOLUME +/– 8 to adjust the volume.
To start from a specific CD track or audio file, create your own program.

2 Select the timer set mode.
Press TIMER MENU 24.
If the clock is not set, the system will be in clock set mode. In that case, set the clock.

3 Set the play timer.
Press I◄◄/►►I 5 repeatedly to select "PLAY SET," then press ⊕ 16.

4 Set the time to start playback.
Press I◄◄/►►I 5 repeatedly to set the hour, then press ⊕ 16. Use the procedure above to set the minutes.

5 Use the same procedure as in step 4 to set the time to stop playback.

6 Select the sound source.
Press I◄◄/►►I 5 repeatedly until the desired sound source appears, then press ⊕ 16.

7 Turn off the system.
Press I/⏻ 10. The system automatically turns on before the preset time.
If the system is on at the preset time, the Play Timer will not play. Do not operate the system from the time the system turns on until the playback starts.

To check the setting

1 Press TIMER MENU 24.

2 Press I◄◄/►►I 5 repeatedly to select "SELECT," and then press ⊕ 16.

3 Press I◄◄/►►I 5 repeatedly to select "PLAY SEL," and then press ⊕ 16.

To cancel the timer
Repeat the same procedure as above until "OFF" appears in step 3, and then press ⊕ 16.

To change the setting
Start over from step 1.

Tip
The Play Timer setting remains as long as the setting is not cancelled manually.

Troubleshooting

1 Make sure the power cord and speaker cords are correctly and firmly connected.

2 Find your problem in the checklist below, and take the indicated corrective action.
If the issue persists, contact your nearest Sony dealer.

If "PROTECT" appears on the display

Immediately unplug the power cord, and check the following items after "PROTECT" disappears.
• Are the + and – speaker cords short-circuited?
• Is anything blocking the ventilation holes of the system?
After you have checked these above items and found to be all right, reconnect the power cord, and turn on the system. If the issue persists, contact your nearest Sony dealer.

General

The system does not turn on.
• Is the power cord plugged in?

The system has entered standby mode unexpectedly.
• This is not a malfunction. The system enters standby mode automatically in about 30 minutes when there is no operation or audio signal output. See "To turn off the automatic standby function."

The clock setting or the Play Timer operation has been cancelled unexpectedly.
• If about a minute elapses with no operation, the clock setting or Play Timer setting is cancelled automatically. Perform the operation again from the beginning.

There is no sound.
• Are the + and – speaker cords short-circuited?
• Are you using only the supplied speakers?
• Is anything blocking the ventilation holes of the system?
• The specified station may have temporarily stopped broadcast.

Sound comes from one channel, or the left and right volumes are unbalanced.
• Place the speakers as symmetrically as possible.
• Connect only the supplied speakers.

Severe hum or noise.
• Move the system away from sources of noise.
• Connect the system to a different wall outlet.
• Install a noise filter (available separately) to the power cord.

The remote does not function.
• Remove any obstacles between the remote and the remote sensor 11 on the unit, and position the unit away from fluorescent lights.
• Point the remote at the system's sensor.
• Move the remote closer to the system.

CD/MP3/WMA player

The sound skips, or the disc will not play.
• Wipe the disc clean, and replace it.
• Move the system to a location away from vibration (for example, on top of a stable stand).
• Move the speakers away from the system, or place them on separate stands. At high volume, speaker vibration may cause the sound to skip.

Play does not start from the first track.
• Set the play mode to normal play mode.

Starting playback takes more time than usual.
• The following discs can increase the time it takes to start playback:
— a disc recorded with a complicated tree structure.
— a disc recorded in multisession mode.
— a disc that has not been finalized (a disc to which data can be added).
— a disc that has many folders.

USB device

The connected USB device cannot be charged.
• Make sure the USB device is connected securely.
• Some USB devices can be charged only when the system is in the USB function.

Are you using a supported USB device?
• If you connect an unsupported USB device, the following problems may occur. Check the information on the website about compatible USB devices with the URL listed under "Playing a file of the USB device."
— The USB device is not recognized.
— File or folder names are not displayed on this system.
— Playback is not possible.
— The sound skips.
— There is noise.
— A distorted sound is output.

"OVER CURRENT" appears.
• A problem has been detected with the level of electrical current from the ⟵ (USB) port 9. Turn off the system and remove the USB device from the ⟵ (USB) port 9. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

There is no sound.
• The USB device is not connected correctly. Turn off the system, then reconnect the USB device.

There is noise, skipping, or distorted sound.
• Turn off the system, then reconnect the USB device.
• The music data itself contains noise, or the sound is distorted. Noise may have been entered when creating music data due to the conditions of the computer. Create the music data again.
• The bit rate used when encoding the files was low. Send files encoded with higher bit rates to the USB device.

"SEARCH" is displayed for an extended time, or it takes a long time before playback starts.
• The reading process can take a long time in the following cases.
— There are many folders or files on the USB device.
— The file structure is extremely complex.
— The memory capacity is excessive.
— The internal memory is fragmented.

Erroneous display
• Send the music data to the USB device again, as the data stored in the USB device may have been corrupted.
• The character codes that can be displayed by this system are numbers and alphabets only. Other characters are not displayed correctly.

The USB device is not recognized.
• Turn off the system and reconnect the USB device, then turn on the system.
• Check the information on the website about compatible USB devices with the URL listed under "Playing a file of the USB device."
• The USB device does not work properly. Refer to the USB device operation manual for how to deal with this problem.

Play does not start.
• Turn off the system and reconnect the USB device, then turn on the system.
• Check the information on the website about compatible USB devices with the URL listed under "Playing a file of the USB device."
• Press ► 2 to start playback.

Play does not start from the first track.
• Set the play mode to Normal Play mode.

Files cannot be played back.
• The audio files may have inappropriate file extensions. The file extensions supported by this system are as follows:
— MP3: file extension ".mp3"
— WMA: file extension ".wma"
• The audio files may have been created in formats other than MP3/WMA formats.
• USB storage devices formatted with file systems other than FAT16 or FAT32 are unsupported.*
• If you use a partitioned USB storage device, only files on the first partition can be played.
• Files that are encrypted or protected by passwords, etc. cannot be played back.
* This system supports FAT16 and FAT32, but some USB storage devices may not support all of these FAT. For details, see the operation manual of each USB storage device or contact the manufacturer.

Tuner

Severe hum or noise, or stations cannot be received.
• Connect the antenna properly.
• Try another place and orientation for better antenna reception.
• Keep the antenna away from the speaker cords and the power cord to avoid picking up noise.
• Turn off nearby electrical equipment.

Several radio stations can be heard at the same time.
• Try another place and orientation for better antenna reception.
• Bundle the antenna cable using commercially available cord clips, for example, and adjust the cable length.

DAB/DAB+ radio station is not received properly.
• Check all antenna connections, then perform the DAB Automatic Scan procedure (see "Reception of DAB/DAB+ radio station").
• The current DAB/DAB+ service may not be available. Press PRESET+/PRESET– 5 to select a different service.
• If you have moved to another area, some services/frequencies may have changed and you may not be able to tune to your usual broadcast.
Perform the DAB Automatic Scan procedure to re-register the contents of broadcasts. (Performing this procedure clears all previously stored presets.)

To reset the system to factory settings
If the system still does not operate properly, reset the system to factory settings.

1 Disconnect and reconnect the power cord, and then turn on the system.

2 Hold down ■ 3 on the remote and EQ 4 on the unit until "RESET OK" appears.
All user-configured settings, such as preset radio stations, timer, and the clock, are deleted.

To turn off the automatic standby function
This system is equipped with an automatic standby function. With this function, the system enters standby mode automatically in about 30 minutes when there is no operation or audio signal output.
By default, the automatic standby function is turned on.
Use buttons on the unit to turn off the automatic standby function.
Hold down I/⏻ 10 while the system is on, until "AUTO STANDBY OFF" appears.
To turn on the function, repeat the procedure until "AUTO STANDBY ON" appears.

Notes
• The automatic standby function is invalid for the DAB or FM function.
• The system may not enter standby mode automatically in the following cases;
— when an audio signal is detected.
— when a USB device is connected.
— during playback of audio tracks or files.
— while the preset Play Timer or Sleep Timer is in process.

Precautions

Discs that this system CAN play
• Audio CD
• CD-R/CD-RW (audio data/MP3/WMA files)

Discs that this system CANNOT play
• CD-ROM
• CD-R/CD-RW other than those recorded in music CD format, conforming to ISO9660 Level 1/Level 2 or Joliet
• CD-R/CD-RW recorded in multisession that have not ended by "closing the session"
• CD-R/CD-RW of poor recording quality, CD-R/CD-RW that have scratches or are dirty, or CD-R/CD-RW recorded with an incompatible recording device
• CD-R/CD-RW which is finalized incorrectly
• Discs containing files other than MPEG 1 Audio Layer-3 (MP3)/WMA files
• Discs of non-standard shape (for example, heart, square, star)
• Discs that have adhesive tape, paper, or sticker attached to them
• Rental or used discs with attached seals where the glue extends beyond the seal
• Discs that have labels printed using ink that feels tacky when touched

Notes on discs
• Before playing, wipe the disc with a cleaning cloth from the center out to the edge.
• Do not clean discs with solvents, such as benzine, thinner, or commercially available cleaners or anti-static spray intended for vinyl LPs.
• Do not expose discs to direct sunlight or heat sources such as hot air ducts, nor leave them in a car parked in direct sunlight.

On safety
• Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
• Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
• The AC power cord can be changed only by a qualified service facility.

On placement
• Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
• Be careful when placing the unit or speakers on surfaces that have been specially treated (for example, with wax, oil, polish) as staining or discoloration of the surface may result.
• 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, and cause the system to malfunction. In this situation, remove the disc, and leave the system turned on for about an hour until the moisture evaporates.

On heat buildup
• Heat buildup on the unit during operation is normal and is not cause for alarm.
• Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
• Do not obstruct the ventilation holes.

On the speaker system
This speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the speakers far away from the TV.

Cleaning the cabinet
Clean this system with a soft cloth slightly moistened with a mild detergent solution. Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

Specifications

Main unit

Amplifier section
Power output (rated): 4 watts + 4 watts (8 ohms at 1 kHz, 1% THD)
Continuous RMS power output (reference): 5 watts + 5 watts (8 ohms at 1 kHz, 10% THD)
Input
AUDIO IN (stereo mini jack): Sensitivity 1 V, impedance 50 kilohms
Outputs
SPEAKERS: Accepts impedance of 8 ohms

CD player section
System: Compact disc and digital audio system
Laser Diode Properties
Emission Duration: Continuous
Laser Output*: Less than 44.6μW
* This output is the value measurement at a distance of 200mm from the objective lens surface on the Optical Pick-up Block with 7mm aperture.
Frequency response: 20 Hz – 20 kHz
Signal-to-noise ratio: More than 90 dB
Dynamic range: More than 90 dB

Tuner section
FM stereo, DAB/FM superheterodyne tuner
Antenna: DAB/FM lead antenna

DAB/DAB+ tuner section:
Frequency range*
Band-III: 174.928 (5A) MHz – 239.200 (13F) MHz
* For details, see "DAB/DAB+ frequency table (Band-III)" below.

DAB/DAB+ frequency table (Band-III)

Frequency	Label	Frequency	Label
174.928 MHz	5A	209.936 MHz	10A
176.640 MHz	5B	211.648 MHz	10B
178.352 MHz	5C	213.360 MHz	10C
180.064 MHz	5D	215.072 MHz	10D
181.936 MHz	6A	216.928 MHz	11A
183.648 MHz	6B	218.640 MHz	11B
185.360 MHz	6C	220.352 MHz	11C
187.072 MHz	6D	222.064 MHz	11D
188.928 MHz	7A	223.936 MHz	12A
190.640 MHz	7B	225.648 MHz	12B
192.352 MHz	7C	227.360 MHz	12C
194.064 MHz	7D	229.072 MHz	12D
195.936 MHz	8A	230.784 MHz	13A
197.648 MHz	8B	232.496 MHz	13B
199.360 MHz	8C	234.208 MHz	13C
201.072 MHz	8D	235.776 MHz	13D
202.928 MHz	9A	237.488 MHz	13E
204.640 MHz	9B	239.200 MHz	13F
206.352 MHz	9C		
208.064 MHz	9D		

FM tuner section:
Tuning range: 87.5 MHz – 108.0 MHz (50 kHz step)

USB section
⟵ (USB) port: Type A, maximum current 500 mA
Supported audio formats
Supported bit rate:
MP3 (MPEG 1 Audio Layer-3): 32 kbps – 320 kbps, VBR
WMA: 32 kbps – 192 kbps, VBR
Sampling frequencies:
MP3 (MPEG 1 Audio Layer-3): 32/44.1/48 kHz
WMA: 44.1 kHz

Speaker
Speaker system: Full range, 8 cm dia., cone type
Rated impedance: 8 ohms
Dimensions (W/H/D): Approx. 148 mm × 240 mm × 127 mm
Mass: Approx. 1.2 kg net per speaker
Quantity: 2 pieces

General
Power requirements: AC 120 V – 240 V, 50/60 Hz
Power consumption: 18 watts
Dimensions (W/H/D, including largest protrusions) (excl. speakers):
Approx. 170 mm × 133 mm × 240 mm
Mass (excl. speakers): Approx. 1.3 kg
Quantity of the main unit: 1 piece
Supplied accessories: Remote Commander (1), DAB/FM lead antenna (1), Speaker pads (8)

Design and specifications are subject to change without notice.

• Standby power consumption: 0.5 W
• Halogenated flame retardants are not used in the certain printed wiring boards.