Panasonic®

Operating Instructions

CD Stereo System

Model No. SC-PM250B

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Please keep this manual for future reference.

"EB" indicates the United Kingdom model.

Caution for AC mains lead

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark ⬧ or the BSI mark ▽ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A	Figure B
	Fuse cover
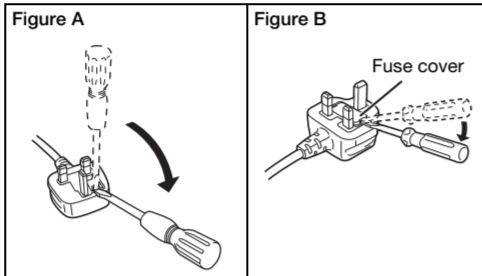
2. Replace the fuse and close or attach the fuse cover.

Figure A	Figure B
Fuse (5 ampere)	Fuse (5 ampere)

Supplied accessories

Check and identify the supplied accessories.
Use numbers indicated in parentheses when asking for replacement parts. (Product numbers correct as of February 2015. These may be subject to change.)

☐ 1 AC mains lead
(K2CT2YY00097)

☐ 1 DAB antenna
(N1EYYY000015)

☐ 1 Remote control
(N2QAYB000984)

Sales and Support Information

Customer Communications Centre
- For customers within the UK: 0344 844 3899
- For customers within Ireland: 01 289 8333
- Monday – Friday 9:00am – 5:00pm (Excluding public holidays).
- For further support on your product, please visit our website: www.panasonic.co.uk

Direct Sales at Panasonic UK
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre Monday – Friday 9:00am – 5:00pm (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at www.pas-europe.com.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products. Take a browse on our website for further details.

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated do not solve the problem, consult your dealer for instructions.

▌ Common problems

The unit does not work.
- The safety device has been activated. Do the following:
  1. Press [Ⓤ/I] on the main unit to switch the unit to standby mode. If the unit does not switch to standby mode,
     – Press and hold the button for a minimum of 10 seconds. Or,
     – Disconnect the AC mains lead and connect it again.
  2. Press [Ⓤ/I] again to switch on the unit. If the problem persists, consult your dealer.

No operations can be done with the remote control.
- Examine that the battery is installed correctly.

Sound is distorted or no sound.
- Adjust the volume of the system.
- Switch off the system, determine and correct the cause, and then switch on again. It can be caused by straining of the speakers through excessive volume or power, and when using the system in a hot environment.

A humming sound can be heard during playback.
- An AC mains lead or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

▌ Disc

Display not shown correctly.
Playback does not start.
- You have not put in the disc correctly. Put it in correctly.
- Disc is dirty. Clean the disc.
- Replace the disc if it is scratched, warped, or non-standard.
- There is condensation. Let the system dry for 1 to 2 hours.

▌ USB

The USB device or the contents in it cannot be read.
- The format of the USB device or the contents in it are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.

Slow operation of the USB device.
- Large content size or large memory USB device takes longer time to read.

The elapsed time shown is different from the actual play time.
- Transfer the data to another USB device or backup the data and reformat the USB device.

▌ Radio/DAB+

Sound is distorted.
- Use an optional outdoor antenna. The antenna should be installed by a competent technician.

A beat sound is heard.
- Switch off the TV or move it away from the system.
- Move mobile telephones away from the system if the interference is apparent.

▌ Bluetooth®

Pairing cannot be done.
- Check the Bluetooth® device condition.
- The device is out of the 10 m communication range. Move the device nearer to the system.

The device cannot be connected.
- The pairing of the device was unsuccessful. Do pairing again.
- The pairing of the device has been replaced. Do pairing again.
- This system might be connected to a different device. Disconnect the other device and try pairing the device again.

The device is connected but audio cannot be heard through the system.
- For some built-in Bluetooth® devices, you have to set the audio output to "SC-PM250" manually. Read the operating instructions of the device for details.

Sound from the device is interrupted.
- The device is out of the 10 m communication range. Move the device nearer to the system.
- Remove any obstacle between the system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Move the device nearer to the system and distance it from the other devices.
- Select "MODE 1" for stable communication.

Playback image and sound are not synchronised.
- Restart the playback app of the device.

▌ Main unit displays

"--:--"
- You connected the AC mains lead for the first time or there was a power failure recently. Set the clock.

"ADJUST CLOCK"
- The clock is not set. Adjust the clock.

"ADJUST TIMER"
- The play timer is not set. Adjust the play timer.

"AUTO OFF"
- The system has not been used for 20 minutes and will switch off within a minute. To cancel, press any button.

"ERROR"
- An incorrect operation was done. Read the instructions and try again.

"F61"
"F77"
- Disconnect the AC mains lead and consult your dealer.

"F70"
- Examine the Bluetooth® device.
- Disconnect the Bluetooth® device. Switch off the system and then switch on again.

"F76"
- There is a problem with the power supply.
- Disconnect the AC mains lead and consult your dealer.

"NODEVICE"
- The USB device is not connected. Examine the connection.

"NO DISC"
- You have not put in a disc.

"NO MEMORY"
- DAB memory presetting has not been done.

"NO PLAY"
- Examine the content. You can only play supported format.
- The system may have a problem. Switch off the system and then switch on again.

"NO SIGNAL"
- The station cannot be received. Adjust the antenna.

"PLAYERROR"
- You played an unsupported MP3 file. The system will skip that track and play the next one:

"REMOTE 1"
"REMOTE 2"
- The remote control and the main unit are using different codes. Change the code of the remote control.
  – When "REMOTE 1" is shown, press and hold [OK] and [⊘] for a minimum of 4 seconds.
  – When "REMOTE 2" is shown, press and hold [OK] and [USB/CD] for a minimum of 4 seconds.

"SCAN FAILED"
- Stations cannot be received. Adjust the antenna or do manual tuning.

"USB OVER CURRENT ERROR"
- The USB device is using too much power. Disconnect the USB device, switch off the system and then switch on again.

"–VBR–"
- The system cannot show the remaining play time for variable bit rate (VBR) tracks.

Remote control code

When other Panasonic equipment responds to the remote control of this system, change the remote control code for this system.

Preparation
Press [USB/CD] to select "CD".

▌ To set the code to "REMOTE 2"

1. Press and hold [SELECTOR] on the main unit and [USB/CD] on the remote control.
   "REMOTE 2" is shown.

2. Press and hold [OK] and [USB/CD] for a minimum of 4 seconds.

▌ To set the code to "REMOTE 1"

1. Press and hold [SELECTOR] on the main unit and [⊘] on the remote control.
   "REMOTE 1" is shown.

2. Press and hold [OK] and [⊘] for a minimum of 4 seconds.

System memory reset

Reset the memory when the following situations occur:
- There is no response when buttons are pressed.
- You want to clear and reset the memory contents.

1. Disconnect the AC mains lead.

2. While you press and hold [Ⓤ/I] on the main unit, connect the AC mains lead again.
   Continue to press and hold the button until "– – – – – – – –" is shown.

3. Release [Ⓤ/I].
   All the settings are set back to the factory preset. It is necessary to set the memory items again.

Maintenance

To clean this system, wipe with a soft, dry cloth.
- Never use alcohol, paint thinner or benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

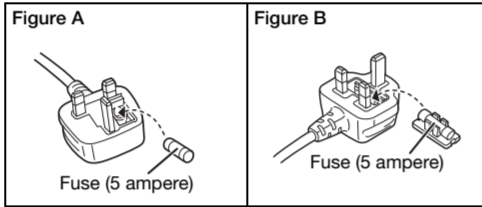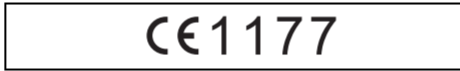
Your system and the illustrations can look differently.
These operating instructions are applicable to the following system:

System	SC-PM250B
Main unit	SA-PM250B
Speakers	SB-PM02

CLASS 1
LASER PRODUCT

Back of product

Safety precautions

WARNING!

Unit
- To reduce the risk of fire, electric shock or product damage,
  – Do not expose this unit to rain, moisture, dripping or splashing.
  – Do not place objects filled with liquids, such as vases, on this unit.
  – Use only the recommended accessories.
  – Do not remove covers.
  – Do not repair this unit by yourself. Refer servicing to qualified service personnel.
  – Do not let metal objects fall inside this unit.

CAUTION!

Unit
- To reduce the risk of fire, electric shock or product damage,
  – Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
  – Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
  – Do not place sources of naked flames, such as lighted candles, on this unit.
- This unit is intended for use in moderate climates.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

AC mains lead
- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

Battery
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- Do not heat or expose to flame.
- Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
- Do not break open or short-circuit the battery.
- Do not charge the alkaline or manganese battery.
- Do not use the battery if the cover has peeled off.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

About Bluetooth®

Panasonic cannot be held responsible for data and/or information that can possibly be compromised during a wireless transmission.

Frequency band
- This system uses the 2.4 GHz frequency band.

Certification
- This system conforms to the frequency restrictions and has received certification based on frequency laws. Thus, a wireless permit is not necessary.
- The actions below are punishable by law:
  – Taking apart or modifying the main unit.
  – Removing specification indications.

Restrictions of use
- Wireless transmission and/or usage with all Bluetooth® equipped devices is not guaranteed.
- All devices must conform to standards set by Bluetooth SIG, Inc.
- Depending on the specifications and settings of a device, it can fail to connect or some operations can be different.
- This system supports Bluetooth® security features. But depending on the operating environment and/or settings, this security is possibly not sufficient. Transmit data wirelessly to this system with caution.
- This system cannot transmit data to a Bluetooth® device.

Range of use
- Use this device at a maximum range of 10 m.
- The range can decrease depending on the environment, obstacles or interference.

Interference from other devices
- This system may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this unit is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz band.
- This system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Intended usage
- This system is for normal, general use only.
- Do not use this system near an equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc.).

Licenses

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.
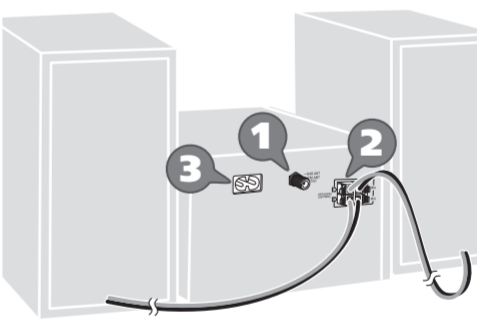
The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.

Specifications

▌ Amplifier section

RMS output power stereo mode
Front Ch (both ch driven)
  10 W per channel (6 Ω), 1 kHz, 10% THD
Total RMS stereo mode power   20 W

▌ Tuner, terminals section

Preset memory   FM 30 stations
Frequency modulation (FM)
Frequency range
  87.50 MHz to 108.00 MHz (50 kHz step)
Antenna terminals   75 Ω (unbalanced)

▌ DAB+ section

DAB memories   20 channels
Frequency band (wavelength)
Band III   5A to 13F (174.928 MHz to 239.200 MHz)
Sensitivity *BER 4x10⁻⁴
Min requirement   –98 dBm
DAB external antenna
Terminal   F - Connector (75 Ω)

▌ Disc section

Disc played (8 cm or 12 cm)
  CD, CD-R/RW (CD-DA, MP3*)
* MPEG-1 Layer 3, MPEG-2 Layer 3
Pick up
Wavelength   790 nm (CD)

▌ USB section

USB port
USB standard   USB 2.0 full speed
Media file format support   MP3 (*.mp3)
USB device file system   FAT12, FAT16, FAT32

▌ Bluetooth® section

Version   Bluetooth® Ver. 2.1 + EDR
Class   Class 2
Supported profiles   A2DP, AVRCP
Operating frequency   2.4 GHz band FH-SS
Operation distance   10 m line of sight

▌ Speaker section

Speaker unit(s)
Full range   10 cm cone type x 1 per channel
Impedance   6 Ω
Dimensions (W x H x D)   139 mm x 224 mm x 136 mm
Mass   1.3 kg

▌ General

Power supply   AC 220 V to 240 V, 50 Hz
Power consumption   14 W
Dimensions (W x H x D)   184 mm x 123 mm x 235 mm
Mass   1.1 kg
Operating temperature range   0°C to +40°C
Operating humidity range
  35% to 80% RH (no condensation)

Power consumption in standby mode
(With "BLUETOOTH STANDBY" set to "OFF")
  0.2 W (approximate)
Power consumption in standby mode
(With "BLUETOOTH STANDBY" set to "ON")
  0.3 W (approximate)

Note:
- Specifications are subject to change without notice. Mass and dimensions are approximate.
- Total harmonic distortion is measured by the digital spectrum analyser.
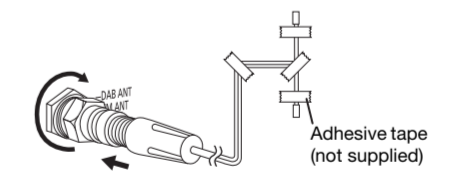

Making the connections

Connect the AC mains lead only after all the other connections have been made.
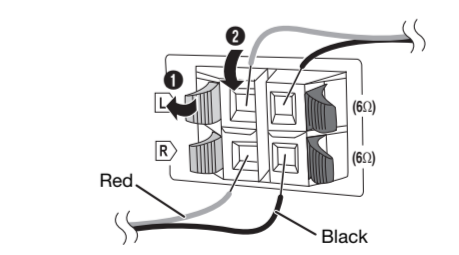

1. **Connect the DAB antenna.**
   Be sure to tighten fully the nut.
   Tape the antenna to a wall with the least amount of interference.

   Use an outdoor antenna if the reception is poor.

2. **Connect the speakers.**

   Red
   Black

   Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.

3. **Connect the AC mains lead.**

   READ THE "Caution for AC mains lead" BEFORE CONNECTION.

   To household mains socket

   Do not use an AC mains lead from other equipment.

   Conserving power
   The system consumes a small amount of power (➡ "Specifications") when it is in standby mode.
   Disconnect the power supply if you do not use the system.
   Some settings will be lost after you disconnect the system. You have to set them again.

Placement of speakers

The left and right speakers are the same.
You cannot remove the net of the speakers.

Use only the supplied speakers.
You can cause damage to the system and decrease the sound quality if you use other speakers.

Note:
- Keep your speakers more than 10 mm from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the speakers and decrease the life of the speakers.
- Decrease the volume in these conditions to prevent damage:
  – When the sound is distorted.
  – When you adjust the sound quality.

CAUTION!
- Use the speakers only with the recommended system. If not, you can cause damage to the amplifier and speakers and can cause a fire. Consult an approved service personnel if damage occurs or if there is a sudden apparent change in performance.
- Do the procedures included in these instructions when you attach the speakers.

Overview of controls

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.
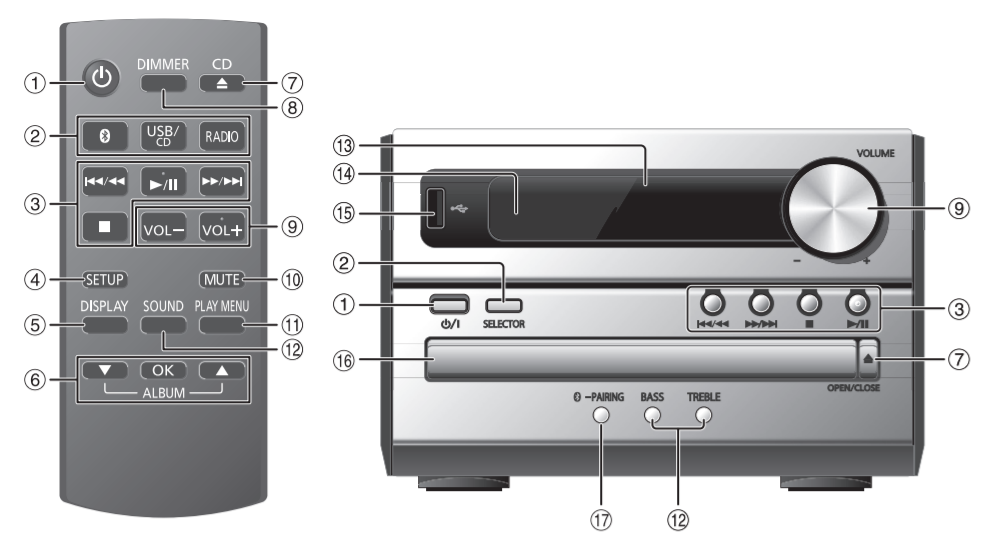
① Standby/on switch [⏻], [⏻/I]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.
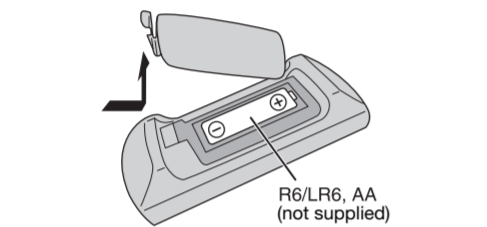
② Select the audio source
On the remote control:
Press the corresponding button to select the source.
On the main unit:
CD → BLUETOOTH → USB → DAB+ → FM

③ Basic playback control

④ View the setup menu

⑤ View the content information

⑥ Select or confirm the option

⑦ Open or close the disc tray

⑧ Decrease the brightness of the display panel
To cancel, press the button again.

⑨ Adjust the volume level

⑩ Mute the sound
To cancel, press the button again.
"MUTE" is also cancelled when you adjust the volume or when you switch off the system.

⑪ View the play menu

⑫ Select the sound effects

⑬ Display panel

⑭ Remote control sensor
Distance: Within approximately 7 m
Angle: Approximately 20° up and down, 30° left and right

⑮ USB port (←↭→)

⑯ Disc tray

⑰ Select "BLUETOOTH" as the audio source
To start Bluetooth® pairing, press and hold the button.

Preparing the remote control

R6/LR6, AA
(not supplied)

Use alkaline or manganese battery.

Install the battery so that the poles (+ and –) align with those in the remote control.

Preparing the media

Disc

1 Press [CD ⏏] (main unit: [⏏ OPEN/CLOSE]) to open the disc tray.
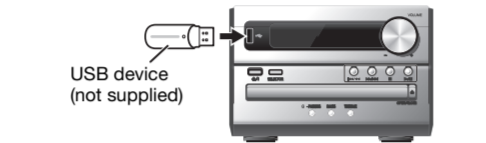Put in a disc with the label facing up.

Press again to close the disc tray.

2 Press [USB/CD] to select "CD".

USB

1 Reduce the volume and connect the USB device to the USB port.
Hold the main unit when connecting or disconnecting the USB device.

USB device
(not supplied)

2 Press [USB/CD] to select "USB".

Note:
Do not use a USB extension cable. The system cannot recognise USB device connected through a cable.

Bluetooth®

You can connect and play an audio device wirelessly through Bluetooth®.

Preparation
• Switch on the Bluetooth® feature of the device and put the device near the system.
• Read the operating instructions of the device for details.

▮ Pairing a device

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ "Disconnecting a device").

1 Press [🔵].
If "PAIRING" is shown, continue with step 4.

2 Press [PLAY MENU] to select "PAIRING".
Or press and hold [🔵 –PAIRING] on the main unit until "PAIRING" is shown. Continue with step 4.

3 Press [▲, ▼] to select "OK? YES" and then press [OK].
"PAIRING" is shown.
To cancel, select "OK? NO".

4 Select "SC-PM250" from the Bluetooth® menu of the device.
If prompted for a passkey, input "0000".
The device connects with this system automatically after pairing is complete.
The name of the connected device is shown for a few seconds.

Note:
You can pair up to 8 devices with this system. If a 9th device is paired, the device that has not been used for the longest time will be replaced.

▮ Connecting a device

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ "Disconnecting a device").

1 Press [🔵].
"BLUETOOTH READY" is shown.

2 Select "SC-PM250" from the Bluetooth® menu of the device.
The name of the connected device is shown for a few seconds.

3 Start playback on the device.

Note:
• A device must be paired to connect.
• This system can only connect to one device at a time.
• When "BLUETOOTH" is selected as the source, this system will automatically try to connect to the last connected device.

▮ Disconnecting a device

1 Press [🔵].

2 Press [PLAY MENU] repeatedly to select "DISCONNECT?".

3 Press [▲, ▼] to select "OK? YES" and then press [OK].
"BLUETOOTH READY" is shown.
To cancel, select "OK? NO".

Using the main unit
Press and hold [🔵 –PAIRING] until "PAIRING" is shown.

Note:
A device is disconnected when you:
• Select a different source.
• Move the device out of the maximum range.
• Disable the Bluetooth® transmission of the device.
• Switch off the system or the device.

Media playback

The following marks indicate the availability of the feature.

CD: CD-R/RW in CD-DA format or with MP3 files.
USB: USB device with MP3 files.
BLUETOOTH: Bluetooth® device.

Basic playback

CD USB BLUETOOTH

Play	Press [▶/II].
Stop	Press [■]. **USB** The position is memorised. "RESUME" is shown. Press again to stop fully.
Pause	Press [▶/II]. Press again to continue playback.
Skip	Press [I◀◀/◀◀] or [▶▶/▶▶I] to skip track. **CD USB** Press [▲, ▼] to skip MP3 album.
Search	Press and hold [I◀◀/◀◀] or [▶▶/▶▶I].

Note:
Depending on the Bluetooth® device, some operations may not work.

Viewing available information

CD USB BLUETOOTH

You can view the available information on the display panel.

Press [DISPLAY].

Note:
• Maximum characters that can be shown: approximately 32
• This system supports ver. 1.0, 1.1 and 2.3 ID3 tags.
• Text data that the system does not support can show differently.
• Example: MP3 album and track number display.

Album   Track
number   number

Play menu

CD USB

1 Press [PLAY MENU] repeatedly to select "PLAYMODE" or "REPEAT".

2 Press [▲, ▼] to select the setting and then press [OK].

PLAYMODE

OFF PLAYMODE	Cancel the setting.
1-TRACK 1TR	Play one selected track. Press [I◀◀/◀◀] or [▶▶/▶▶I] to select the track.
1-ALBUM 1ALBUM	Play one selected MP3 album. Press [▲, ▼] to select the MP3 album.
RANDOM RND	Play all tracks randomly.
1-ALBUM RANDOM 1ALBUM RND	Play all tracks in one selected MP3 album randomly. Press [▲, ▼] to select the MP3 album.

REPEAT

OFF REPEAT	Cancel the setting.
ON REPEAT ↻	Repeat playback.

Note:
• During random playback, you cannot skip to tracks which have been played.
• The setting is cancelled when you open the disc tray.

Link mode

BLUETOOTH

You can change the link mode to suit the connection type.

Preparation
If this system is connected to a Bluetooth® device, disconnect it (➡ "Disconnecting a device").

1 Press [PLAY MENU] repeatedly to select "LINK MODE".

2 Press [▲, ▼] to select the mode and then press [OK].

MODE 1	Emphasis on connectivity.
MODE 2 (default)	Emphasis on sound quality.

Note:
Select "MODE 1" if the sound is interrupted.

Input level

BLUETOOTH

You can change the input level setting if the sound input level of the Bluetooth® transmission is too low.

1 Press [PLAY MENU] repeatedly to select "INPUT LEVEL".

2 Press [▲, ▼] to select the level and then press [OK].

LEVEL 0 ↔ LEVEL +1 ↔ LEVEL +2
(default)

Note:
Select "LEVEL 0" if the sound is distorted.

▮ Note on disc

• This system can play CD-R/RW with CD-DA or MP3 format content.
• Before playback, finalise the disc on the device it was recorded on.
• Some CD-R/RW cannot be played because of the condition of the recording.

▮ Note on USB device

• This system supports USB 2.0 full speed.
• This system can support USB devices of up to 32 GB.
• Only FAT 12/16/32 file system is supported.

▮ Note on MP3 file

• Files are defined as tracks and folders are defined as albums.
• Tracks must have the extension ".mp3" or ".MP3".
• Tracks will not necessarily be played in the order you recorded them.
• Some files can fail to work because of the sector size.

MP3 file on disc
• This system can access up to:
 – 255 albums (including root folder)
 – 999 tracks
 – 20 sessions
• Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

MP3 file on USB device
• This system can access up to:
 – 800 albums (including root folder)
 – 8000 tracks
 – 999 tracks in one album

Radio

Preparation
Press [RADIO] to select "FM".

Manual tuning

1 Press [PLAY MENU] repeatedly to select "TUNEMODE".

2 Press [▲, ▼] to select "MANUAL" and then press [OK].

3 Press [I◀◀/◀◀] or [▶▶/▶▶I] to tune in to the station.
To tune automatically, press and hold the button until the frequency starts changing quickly.
"STEREO" is shown when a stereo broadcast is being received.

Memory presetting

You can preset up to 30 FM stations.

▮ Automatic presetting

1 Press [PLAY MENU] to select "A.PRESET".

2 Press [▲, ▼] to select the setting and then press [OK].

LOWEST	Tuning begins from the lowest frequency.
CURRENT	Tuning begins from the current frequency.

The tuner presets all the stations it can receive into the channels in ascending order.
To cancel, press [■].

▮ Manual presetting

1 Press [PLAY MENU] repeatedly to select "TUNEMODE".

2 Press [▲, ▼] to select "MANUAL" and then press [OK].

3 Press [I◀◀/◀◀] or [▶▶/▶▶I] to tune in to the station.

4 Press [OK].

5 Press [▲, ▼] to select a preset number and then press [OK].
Do steps 3 through 5 again to preset more stations.
The new station replaces any station that occupies the same preset number.

▮ Selecting a preset station

1 Press [PLAY MENU] repeatedly to select "TUNEMODE".

2 Press [▲, ▼] to select "PRESET" and then press [OK].

3 Press [I◀◀/◀◀] or [▶▶/▶▶I] to select the preset station.

Improving the sound quality

1 Press [PLAY MENU] repeatedly to select "FM MODE".

2 Press [▲, ▼] to select "MONO" and then press [OK].
To cancel, select "STEREO".
"MONO" is also cancelled when you change the frequency.

To memorise the setting
Continue with step 4 of "Manual presetting".

Checking the signal status

Press [DISPLAY].

FM – – – –	The FM signal is in monaural. The system is not tuned in to a station.
FM ST	The FM signal is in stereo.
FM MONO	"MONO" is selected as the "FM MODE".

DAB+

Preparation
Press [RADIO] to select "DAB+".

Note:
If you select "DAB+" for the first time, the system will tune automatically.

Manual tuning

1 Press [PLAY MENU] repeatedly to select "MANUAL SCAN".

2 Press [▲, ▼] to select the frequency block and then press [OK].
If no station is detected, "SCAN FAILED" is shown. Adjust the antenna and try again.

To tune automatically
1 Press [PLAY MENU] to select "AUTOSCAN" and then press [OK].
"START?" is shown.

2 Press [OK] to start tuning.
"DAB AUTO SCAN" is shown.
If no station is detected, "SCAN FAILED" is shown. Do manual tuning.

Note:
Preset frequencies are erased after you do automatic tuning.

Memory presetting

You can preset up to 20 stations.

1 Press [PLAY MENU] repeatedly to select "TUNEMODE".

2 Press [▲, ▼] to select "STATION" and then press [OK].

3 Press [I◀◀/◀◀] or [▶▶/▶▶I] to tune in to the station.

4 Press [OK].

5 Press [▲, ▼] to select a preset number and then press [OK].
Do steps 3 through 5 again to preset more stations.
The new station replaces any station that occupies the same preset number.

Note:
You cannot preset a station when the station is not broadcasting or when you have selected a secondary service.

▮ Selecting a preset station

1 Press [PLAY MENU] repeatedly to select "TUNEMODE".

2 Press [▲, ▼] to select "PRESET" and then press [OK].

3 Press [I◀◀/◀◀] or [▶▶/▶▶I] to select the preset station.

Secondary service

You can listen to secondary services when "🔲" is shown.

1 Press [PLAY MENU] repeatedly to select "DAB SECONDARY".

2 Press [▲, ▼] to select the secondary service and then press [OK].
To cancel, select "PRIMARY".

Note:
The setting is cancelled when you select other stations.

Viewing available information

You can view the following information on the display panel:
• Information about the DAB broadcast
• Programme type
• Ensemble label
• Frequency
• Time

Press [DISPLAY].

Checking the signal quality

You can check the signal quality when adjusting the antenna.

1 Press [PLAY MENU] repeatedly to select "SIGNAL QUALITY" and then press [OK].
The frequency block followed by the reception quality is shown.
To select other frequency blocks, press [▲, ▼].

Frequency Frequency   Reception quality
block   0 (poor) to 8 (excellent)

2 Press [OK] again to exit.

Automatic clock adjustment

You can set the clock to update automatically.

1 Press [PLAY MENU] repeatedly to select "AUTO CLOCK ADJ".

2 Press [▲, ▼] to select "ON ADJUST" and then press [OK].
To cancel, select "OFF ADJUST".

Clock and timers

Setting the clock

This is a 24-hour clock.

1 Press [SETUP] repeatedly to select "CLOCK".

2 Press [▲, ▼] to set the time and then press [OK].

To check the time
Press [SETUP] repeatedly to select "CLOCK" and then press [OK].
In standby mode, press [DISPLAY].

Note:
Reset the clock regularly to maintain accuracy.

Sleep timer

The sleep timer switches off the system after the set time.

1 Press [SETUP] to select "SLEEP".

2 Press [▲, ▼] to select the setting (in minutes) and then press [OK].
To cancel, select "OFF".

SLEEP 30 ↔ SLEEP 60 ↔ SLEEP 90 ↔ SLEEP 120
↕_____ OFF _____↕

Note:
• The remaining time is always shown on the display. The display changes temporarily when you perform other operations.
• The sleep timer can be used together with the play timer.
• The sleep timer always comes first. Be sure not to set an overlap of timers.

Play timer

(Except for Bluetooth® source)

You can set the timer to come on at a certain time to wake you up.

Preparation
Set the clock.

1 Press [SETUP] repeatedly to select "TIMER ADJ".

2 Press [▲, ▼] to set the start time and then press [OK].

3 Do step 2 again to set the end time.

4 Press [▲, ▼] to select the source you want to play and then press [OK].

To start the timer
1 Press [SETUP] repeatedly to select "TIMER SET".

2 Press [▲, ▼] to select "SET" and then press [OK].
"⏲" is shown.
To cancel, select "OFF".
The system must be switched off for the timer to operate.

To check the setting
Press [SETUP] repeatedly to select "TIMER ADJ" and then press [OK].
In standby mode, press [DISPLAY] two times.

Note:
• The timer starts at a low volume and increases gradually to the preset level.
• The timer comes on at the set time every day if the timer is on.
• If you switch off the system and then switch on again while a timer is in operation, the timer will not stop at the end time.

Sound effects

1 Press [SOUND] repeatedly to select the sound effect.

2 Press [▲, ▼] to select the setting and then press [OK].

PRESET EQ	"HEAVY" (default), "SOFT", "CLEAR", "VOCAL" or "FLAT"
BASS	–4 to +4 (default: 0) *Using the main unit* 1. Press [BASS]. 2. Press [I◀◀/◀◀] or [▶▶/▶▶I].
TREBLE	–4 to +4 (default: 0) *Using the main unit* 1. Press [TREBLE]. 2. Press [I◀◀/◀◀] or [▶▶/▶▶I].
D.BASS	"ON D.BASS" (default) or "OFF D.BASS"
SURROUND	"ON SURROUND" or "OFF SURROUND" (default)

Others

Auto off

This system automatically switches off when you do not use it for 20 minutes.

1 Press [SETUP] repeatedly to select "AUTO OFF".

2 Press [▲, ▼] to select "ON" and then press [OK].
To cancel, select "OFF".

Note:
This function does not work when you are in radio source or when a Bluetooth® device is connected.

Bluetooth® standby

This function automatically switches on the system when you establish a Bluetooth® connection from a paired device.

1 Press [SETUP] repeatedly to select "BLUETOOTH STANDBY".

2 Press [▲, ▼] to select "ON" and then press [OK].
To cancel, select "OFF".

Checking the software version

1 Press [SETUP] repeatedly to select "SW VER." and then press [OK].
The software version is shown.

2 Press [OK] again to exit.