

Panasonic®

Owner's Manual

CD Stereo System

Model No. **SC-PMX800**



Thank you for purchasing this product.
Please read these instructions carefully before using this product, and save this manual for future use.

If you have any questions, visit:
www.panasonic.ca/english/support

PC

Table of contents

Safety precautions	2
Maintenance	4
Supplied accessories	4
Placement of speakers	4
Making the connections	5
Overview of controls	6
Preparing the remote control	6
Network settings	7
About Bluetooth®	8
Bluetooth® operations	9
Media information	9
Inserting media	10
Media playback controls	10
FM radio	11
Using the AUX IN input	12
Using the PC input	12
Sound effects	12
Clock and timers	13
Firmware updates	13
Others	14
Troubleshooting	15
Specifications	17
Limited Warranty	19

TQBM0739

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.

Your system and the illustrations can look differently.

This Owner's Manual is applicable to the following system.

System	SC-PMX800
Main unit	SA-PMX800
Speakers	SB-PMX70

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 the recommended accessories.
 - Do not remove covers.
 - Do not repair this unit by yourself. Refer servicing to qualified service personnel.

Avoid the use in the following conditions

- High or low extreme temperatures during use, storage or transportation.
- Replacement of a battery with an incorrect type.
- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
- Extremely high temperature and/or extremely low air pressure that can result in an explosion or the leakage of flammable liquid or gas.

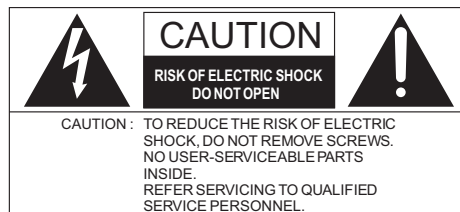
CAUTION!

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

Battery

- 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.
- 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.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.
- 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.



The lightning flash with arrowhead symbol, within an equilateral triangle, 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.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Model: SC-PMX800
IC: 216A-SCPMX800

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules.

This equipment should be installed and operated keeping the radiator at least 20 cm (7 7/8") or more away from person's body.

for indoor use only

CAN ICES-3(B)/NMB-3(B)

Certified to CAN/CSA STD C22.2 No.62368-1.

The model number and serial number of this product can be found on either the back or the bottom of the unit.

Please note them in the space provided below and keep for future reference.

MODEL NUMBER SC-PMX800
SERIAL NUMBER _____
NUMBER _____

User memo:

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

Maintenance

- To clean the main unit, wipe with a soft, dry cloth.
- To clean the speakers, wipe with a fine-textured and dry cloth such as a microfibre cleaning 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.

The symbols on this product (including the accessories) represent the following:

- ~ AC
- == DC
- Class II equipment (The construction of the product is double-insulated.)
- | On
- ⏻ Standby

Supplied accessories

Check and identify the supplied accessories.

- 1 x AC power supply cord (K2CB2YY00065)
- 1 x Remote control (N2QAYB001265)
- 1 x Remote control battery
- 1 x FM indoor antenna (RSAX0002)



- 2 x Speaker cables (REE1713)



- The enclosed Canadian French label sheet corresponds to the English display on the front and rear of the main unit.
- Product numbers provided in this Owner's Manual are correct as of July 2021. These may be subject to change.

Placement of speakers



Place the speakers so that the tweeter is on the inner side. To prevent damage to the speakers, do not touch the speaker cones if you remove the nets.

Use only the supplied speakers.

The combination of the main unit and speakers give the best sound. You can cause damage to the system and decrease the sound quality if you use other speakers.

Note:

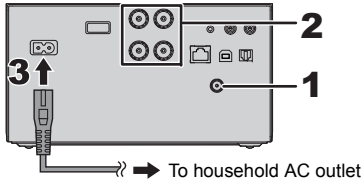
- Keep your speakers more than 10 mm (¹³/₃₂") from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, it can cause damage to the system and decrease the life of the system.
- Decrease the volume in these conditions to prevent damage:
 - When you play distorted sound.
 - 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.

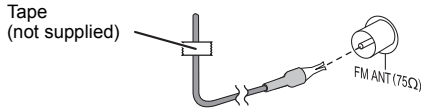
Making the connections

Connect the AC power supply cord only after all the other connections have been made.



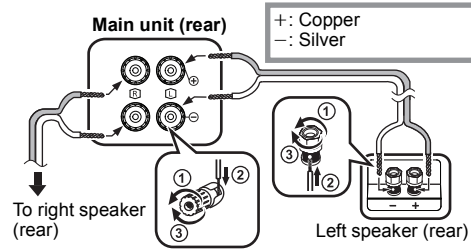
1 Connect the antenna.

Place the antenna where reception is best.



- If radio reception is poor, use an outdoor antenna (not supplied).

2 Connect the speakers.



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 power supply cord.

Do not use an AC power supply cord with other equipment.

Conserving power

The system consumes a small amount of power (⇒ 17), even 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.

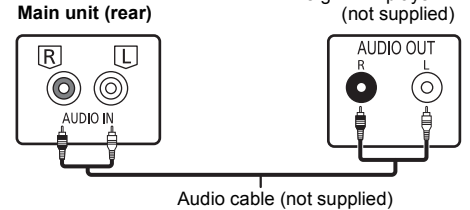
Connecting other equipment

You can connect a DVD player, Portable audio player etc.

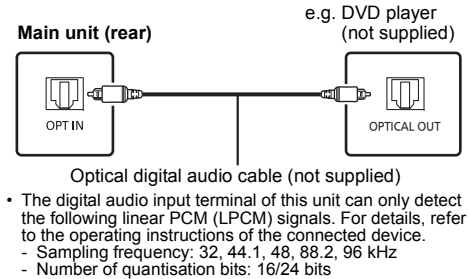
Note:

- Disconnect the AC power supply cord before connection.
- Switch off all equipment and read the appropriate operating instructions.
- Components and cables are sold separately.
- If you want to connect equipment other than those described, refer to the audio dealer.
- Sound distortion can occur when you use an adaptor.

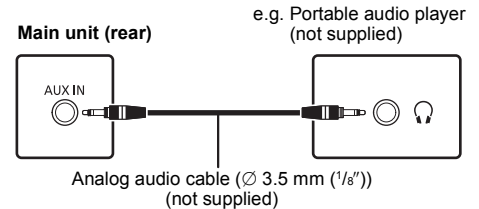
Connecting to AUDIO IN terminal



Connecting to OPT IN (Optical Audio In) terminal

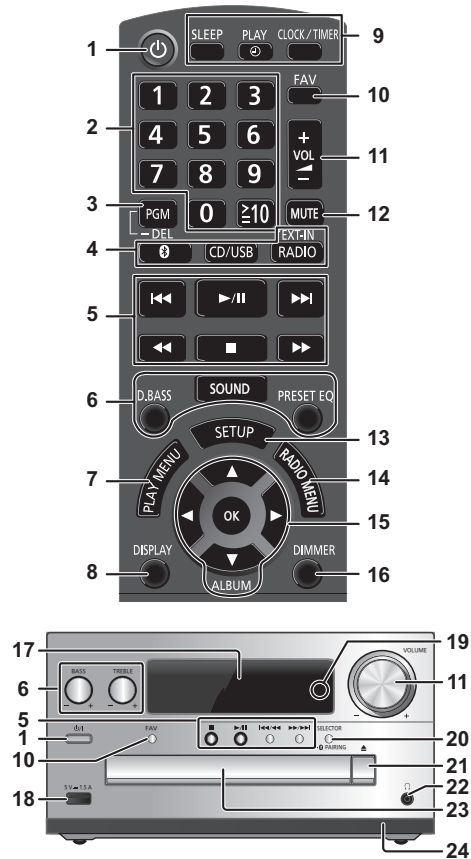


Connecting to AUX IN terminal



- When connecting to AUX IN terminal, you can adjust the input level etc. For details, refer to "Using the AUX IN input" (⇒ 12).

Overview of controls



1 Standby/on switch [⏻], [⏻/⏹]

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 Numeric buttons [1 to 9, 0, ≥10]

- To select a 2-digit number
Example: 16: [≥10] → [1] → [6]
- To select a 3-digit number
Example: 124: [≥10] → [≥10] → [1] → [2] → [4]

3 Set the program function/Delete a programmed track

4 Select audio source

[📶]: "BLUETOOTH"
[CD/USB]: "CD" ↔ "USB"
[RADIO, EXT-IN]:

"FM" → "AUDIO IN" → "AUX" → "OPT"
↑ "NETWORK" ← "PC" ←

5 Basic playback control

6 Select the sound effects

7 Set the play menu item

8 View content information

9 Clock and timer operation

10 Select the favorite radio station or playlist (FM, Internet Radio, Podcasts, etc.)

11 Adjust the volume of the system

12 Mute the sound of the system

Press the button again to cancel.
"MUTE" is also canceled when you adjust the volume or when you switch off the system.

13 Enter setup menu

14 Set the radio menu item

15 Select the option

16 Dim the display panel and the network LED

Press the button again to cancel.

17 Display panel

18 Port for USB devices

19 Network LED

20 Select audio source/Bluetooth®-pairing button

"CD" → "BLUETOOTH" → "FM" → "AUDIO IN" → "AUX"
↑ "NETWORK" ← "PC" ← "USB" ← "OPT" ←

- Press and hold to enter pairing mode (⇨ 9) or disconnect a Bluetooth® device (⇨ 9).

21 Open or close the disc tray

22 Headphones jack (📶)

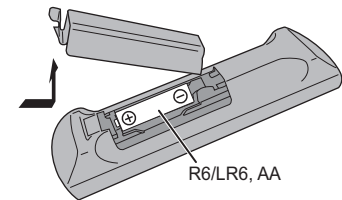
- Plug type: 3.5 mm (1/8") stereo (not supplied)
- Avoid listening for prolonged periods of time to prevent hearing damage.
- Excessive sound pressure from earphones and headphones can cause hearing loss.
- Listening at full volume for long periods may damage the user's ears.

23 Disc tray

- Do not put any object in front of the disc tray.

24 Remote control sensor

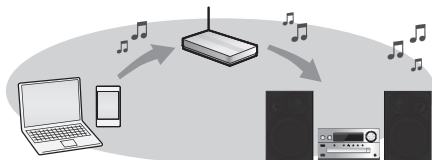
Preparing the remote control



- Use alkaline or manganese battery.
- Install the battery so that the poles (+ and -) align with those in the remote control.
- Point the remote control at the remote control sensor, away from obstacles, at a maximum range of 7 m (23 ft) directly in front of the main unit, within an angle of approximately 30° to the left and right.

Network settings

You can stream online music services or music files from your smartphone/tablet to this system. To use these features, this system must join the same internet-connected network as the compatible device.



This system can be connected to a router using a LAN cable or built-in Wi-Fi®. For a stable connection to the network, a wired LAN connection is recommended.

Note:

- If you try to change the network settings immediately after turning on this system, it may take some time until the network setup screen is displayed.
- If “NEW FIRMWARE FOUND/PRESS [OK]” is displayed after the network connection is set up, the firmware for this system is available.
 - Refer to “Firmware updates” (⇒ 13) for details on update.
 - For the update information, refer to the following website.
<https://panasonic.jp/support/global/cs/audio/>

Preparation

If you install the “Google Home” app on your smartphone/tablet, you can set up a connection using the application.

- When using the Chromecast-enabled apps to play music on this system, set up a connection using the “Google Home” app.
- Make sure that the Wi-Fi function is activated on your smartphones/tablet.

1 Install the “Google Home” app on your smartphone/tablet.

To download the “Google Home” app, visit:
<https://www.google.com/cast/setup/>

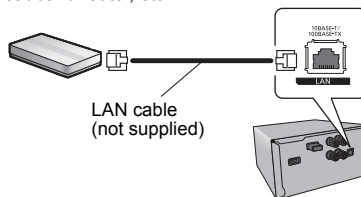
2 Connect your smartphone/tablet to the same network as this system before setting.

- Make sure that the network is connected to the internet.

Wired LAN connection

e.g.,

Broadband router, etc.



1 Disconnect the AC power supply cord.

2 Connect this unit to a broadband router, etc. using a LAN cable.

3 Connect the AC power supply cord to this unit and turn this system on.

- When the connection is established, the network LED (blue) is lighted on the main unit.

4 Press [RADIO, EXT-IN] repeatedly to select “NETWORK”.

5 Start the “Google Home” app and follow the on-screen instructions to set up a connection. (⇒ 8)

Note:

- While the AC power supply cord is disconnected, the LAN cable must be connected or disconnected.
- Use category 7 or above straight LAN cables (STP) when connecting to peripheral devices.
- Inserting any cable other than a LAN cable in the LAN port can damage this unit.
- When a LAN cable is connected, the Wi-Fi function may be disabled.

Wireless LAN connection

Preparation

- ① Disconnect the AC power supply cord.
- ② Disconnect the LAN cable.
- ③ Place this unit as close to the wireless router as possible.
- ④ Connect the AC power supply cord to this unit. (⇒ 5)

Note:

- The setting will be canceled after the set time limit. In that case, try the setting again.
- When the connection is established, the network LED (blue) is lighted.

Network setting for the first time

1 Press [⏻] to turn this unit on.

- “NET SETUP” is displayed.

2 Press [◀, ▶] to select “YES” and then press [OK].

- “SETTING” is blinked.

3 Start the “Google Home” app and follow the on-screen instructions. (⇒ 8)

Note:

- This unit will be displayed as “Panasonic PMX800-****” if the device name is not set. (“****” stands for characters unique to each set.)
- You can check your network information (SSID, MAC address and IP address) from the “Google Home” app.
- Some items on the “Google Home” app are irrelevant to this unit.
- When this unit is switched to standby mode and turned on before the network setting is complete, “NET SETUP” is displayed. Set “NO” to turn off the display.

Setting the network from the setup menu

- 1 Press [RADIO, EXT-IN] repeatedly to select "NETWORK".
- 2 Press [SETUP].
- 3 Press [▲, ▼] repeatedly to select "NET SETUP" and then press [OK].
 - "SETTING" is blinked.
- 4 Start the "Google Home" app and follow the on-screen instructions. (As follows)

■ Using the "Google Home" app

(When using the Chromecast-enabled apps with this unit)

You can set up a connection using the "Google Home" app.

Start the "Google Home" app and follow the on-screen instructions to set up a connection.

- When the connection is established, "SUCCESS" is displayed.
 - "FAIL" may be displayed if the connection was not complete. Try this method again from the setup menu. If "FAIL" is still displayed, try other methods.

Note:

- This unit will be displayed as "Panasonic PMX800-****" if the device name is not set. ("****" stands for characters unique to each set.)
- You can check your network information (SSID, MAC address and IP address) from the "Google Home" app.
- Some items on the "Google Home" app are irrelevant to this unit.

Streaming music over the network

This unit is compatible with Chromecast-enabled apps. For detailed information of Chromecast-enabled apps, visit:

g.co/cast/apps

You can also stream music files from the device on your network to this unit by using the free app "Panasonic Music Control". Download and install the app from the website below.

<https://panasonic.jp/support/global/cs/audio/app/>

Preparation

- Complete the network settings. (⇒ 7) (Make sure that the network is connected to the Internet.)
- Install the supported application on your device.
- Connect the device to the network currently used at home.

- 1 Start the Chromecast-enabled app or "Panasonic Music Control" app on your device (smartphone, tablet, etc.), and select this unit as the output speaker.

- 2 Play back the music.

Not all music streaming services are available in all countries/regions. Registration/subscription may be required, or fees may be charged to use music streaming services. Services are subject to change or be discontinued. For details, visit an individual music streaming service's website.

Important notice:

Before you dispose of or transfer this unit to a third party, be sure to log out of your music streaming services accounts to prevent unauthorized use of your accounts.

About Bluetooth®

Panasonic bears no responsibility for data and/or information that is compromised during a wireless transmission.

Frequency band used

- This system uses the 2.4 GHz frequency band.

Certification of this device

- This system conforms to frequency restrictions and has received certification based on frequency laws. Thus, a wireless permit is not necessary.
- The actions below are punishable by law in some countries:
 - Taking apart or modifying this system.
 - 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 difficult.
- 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 (33 ft). 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 system 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).

Bluetooth® operations

By using the Bluetooth® connection, you can listen to the sound from the Bluetooth® audio device from this system wirelessly.

- Refer to the operating instructions of the Bluetooth® device for details.

Connecting via Bluetooth® menu

Preparation


- Turn on the Bluetooth® feature of the device and place the device near this unit.

Pairing with Bluetooth® devices

1 Press [] to select “BLUETOOTH”.

If “PAIRING” is indicated on the display, go to step 3.

2 Press [PLAY MENU] to select “PAIRING” and then press [OK].

- Alternatively, press and hold [SELECTOR -  PAIRING] on the unit.

3 Select “Panasonic PMX800-*****” from the Bluetooth® device’s Bluetooth® menu.

- The MAC address (e.g., alpha-numerical string that is unique to each set) may be displayed before this unit is displayed.
- The name of the connected device is indicated on the display for a few seconds.

4 Start playback on the Bluetooth® device.

Connecting a paired Bluetooth® device

1 Press [] to select “BLUETOOTH”.

“READY” is indicated on the display.

2 Select “Panasonic PMX800-*****” from the Bluetooth® device’s Bluetooth® menu.

The name of the connected device is indicated on the display for a few seconds.

3 Start playback on the Bluetooth® device.


Note:

- If prompted for the passkey, input “0000”.
- You can register up to 8 devices with this unit. If a 9th device is paired, the device that has not been used for the longest will be replaced.
- This unit can only be connected to one device at a time.
- When “BLUETOOTH” is selected as the source, this unit will automatically try and connect to the last connected Bluetooth® device. (“LINKING” is indicated on the display during this process.) If the connection attempt fails, try to establish a connection again.

Bluetooth® transmission mode

You can change the transmission mode to prioritize transmission quality or sound quality.

Preparation

- Press [] to select “BLUETOOTH”.
- If a Bluetooth® device is already connected, disconnect it.

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: Emphasis on sound quality

Note:

- Select “MODE 1” if the sound is interrupted.
- The factory default is “MODE 2”.


Disconnecting a Bluetooth® device

1 While a Bluetooth® device is connected:

Press [PLAY MENU] repeatedly to select “DISCONNECT?”.

2 Press [◀, ▶] to select “OK? YES” and then press [OK].

Note:

- You can also disconnect the Bluetooth® device by pressing and holding [SELECTOR -  PAIRING] on the unit.
- The Bluetooth® device will be disconnected if a different audio source (e.g., “CD”) is selected.

Media information

- Please be aware that Panasonic accepts no responsibility for the loss of data and/or information.

Compatible USB devices

- This unit does not guarantee connection with all USB devices.
- FAT16 and FAT32 file systems are supported.
- This unit supports USB 2.0 High Speed.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.
- Connect a USB device with a thickness of 8 mm (⁵/₁₆”) or less.
- USB devices may not be recognized by this unit when connected using the following:
 - a USB hub
 - a USB extension cable
- It is not possible to use USB card reader/writers.
- Supported file formats and extensions: MP3 (“.mp3”), AIFF (“.aiff”), FLAC (“.flac”), WAV (“.wav”), AAC (“.m4a”), DSD (“.dff”, “.dsf”)
- Depending on how you create the files, they may not play in the order you numbered them or may not play at all.
- Not all files on the USB device may be read if there are some files not supported.

Note:

- Files are defined as tracks and folders are defined as albums.
- This system can access up to:
 - 800 albums (including root folder)
 - 8000 tracks
 - 999 tracks in one album

Compatible CD

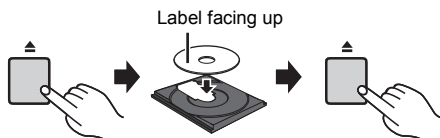
- This system can play back discs that conform to the CD-DA format.
- This system can play back CD-R/RW with CD-DA or MP3 format content.
- The unit may not be able to play some discs due to the condition of the recording.
- Before playback, finalize the disc on the device it was recorded on.
- If the disc includes both MP3 and normal audio data (CD-DA), the unit plays the type recorded in the inner part of the disc.
- This unit cannot play files recorded using packet write.
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

Note:

- Some CD-R/RW cannot be played because of the condition of the recording.
- MP3 files are defined as tracks and folders are defined as albums.
- This system can access up to:
 - CD-DA: 99 tracks
 - MP3: 999 tracks, 255 albums (including root folder)
- Recordings will not necessarily be played in the order you recorded them.

Inserting media

CD



Press **[CD/USB]** repeatedly to select “CD”.

Note:

- Remove the CD only after it stops rotating.

USB device

5 V = 1.5 A



Press **[CD/USB]** repeatedly to select “USB”.

Note:

- Insert the USB device directly. Do not use any USB extension cable.
- Please disconnect the USB device if you finish using.
- Before removing the USB device, select a source other than “USB”.

Media playback controls

The following marks indicate the availability of the feature.

- [CD]**: CD audio in CD-DA format or a CD that contains MP3 files
- [USB]**: USB devices containing MP3/AIFF/FLAC/WAV/AAC/DSD files
- [Bluetooth]**: Connected Bluetooth® device
- [AirPlay]**: When connected to an AirPlay compatible device
- [Network]**: When connected to a network contents playback compatible device

Preparation

- Turn the unit on.
- Insert the media or connect the Bluetooth®/AirPlay/ network contents playback compatible device.
- Press **[CD/USB]** or **[]** to select the audio source.
 - **[AirPlay]** **[Network]**: When this system is selected as the output speakers, the audio source will change to the network source.

Basic controls

	[CD] [USB] [Bluetooth] [AirPlay] [Network]
Play	Press [▶/] .
Stop	Press [■] . <ul style="list-style-type: none"> • [USB]: The position is memorized and “RESUME” is displayed. • [USB]: Press [■] twice to stop the playback fully.
Pause	Press [▶/] . Press again to continue playback.
Skip	Press [◀◀] or [▶▶] to skip track. (main unit: [◀◀/◀◀] or [▶▶/▶▶]) [CD] [USB] : Press [▲] or [▼] to skip the MP3/AIFF/FLAC/WAV/AAC/DSD album.
Search (Except [Bluetooth] [AirPlay] [Network])	During play or pause Press and hold [◀◀] or [▶▶] . (main unit: [◀◀/◀◀] or [▶▶/▶▶])

Note:

- There will be no sound in search operation when playing DSD files at USB selector.
- To use this unit's remote control with a Bluetooth® device, the Bluetooth® device must support AVRCP (Audio Video Remote Control Profile). Depending on the status of the device, some controls may not work.
- **[Network]**: Some controls may not work depending on the app in use, etc.
- **[CD]** **[USB]**: Tracks can be selected by pressing the numeric buttons.

Viewing available information

[CD] **[USB]** **[Bluetooth]** **[AirPlay]**

You can display the track, artist, album name, file type, bit rate, and other information. (The information varies depending on the audio source.)

Press **[DISPLAY]** repeatedly.

e.g. **[USB]** (MP3)

“A□□□”: Album number

“T□□□”: Track number

(“□” stands for a number.)

“■”: Album “♪”: Track

Note:

- Maximum characters that can be shown: approximately 32
- This system supports ver. 1 and 2 ID3 tags.
- Text data that the system does not support can show differently.

Play menu **CD** **USB**

- 1 **CD** **USB**: Press **[PLAY MENU]** to select "PLAYMODE" or "REPEAT".
- 2 Press **[◀, ▶]** to select the setting and then press **[OK]**.

CD **USB**: PLAYMODE

OFF PLAYMODE	Cancels the play mode setting.
1-TRACK	Only plays the selected track. • "1", "▶" is displayed. (Skip to the desired track.)
1-ALBUM	Only plays the selected MP3/AIFF/FLAC/WAV/AAC/DSD album. • Press [▲] or [▼] to select the MP3/AIFF/FLAC/WAV/AAC/DSD album. • "1", "■" is displayed.
RANDOM	Plays the contents randomly. • "RND" is displayed.
1-ALBUM RANDOM	Plays the tracks in the selected MP3/AIFF/FLAC/WAV/AAC/DSD album randomly. • Press [▲] or [▼] to select the MP3/AIFF/FLAC/WAV/AAC/DSD album. • "1", "■", "RND" is displayed.

CD **USB**: REPEAT

ON REPEAT	Turns on repeat mode. • "↺" is displayed.
OFF REPEAT	Turns off repeat mode.

Note:

- During random playback, you cannot skip to tracks which have been played or press the numeric buttons.
- Playmode function does not work with "Program playback".

Program playback **CD** **USB**

This function allows you to program up to 24 tracks.
CD (CD-DA)

- 1 Press **[PGM, -DEL]** in the stop mode.
"PROGRAM" is shown for a few seconds.
- 2 Press the numeric buttons to select the desired track.
Do this step again to program other tracks.
- 3 Press **[▶/||]** to start playback.
CD (MP3), **USB**
 - 1 Press **[PGM, -DEL]** in the stop mode.
"PROGRAM" is shown for a few seconds.
 - 2 Press **[▲, ▼]** to select the desired album.
 - 3 Press **[▶▶]** and then press the numeric buttons to select the desired track.
 - 4 Press **[OK]**.
Do steps 2 through 4 again to program other tracks.
 - 5 Press **[▶/||]** to start playback.

Check program contents	Press [◀◀] or [▶▶] in the stop mode.
Clear the last track	Press and hold [PGM, -DEL] in the stop mode.
Cancel program mode	Press [PGM, -DEL] in the stop mode. • "PGM OFF" is shown for a few seconds.
Clear all programmed tracks	Press [■] in the stop mode. "CLEAR ALL" is shown. Within 5 seconds, press [■] again.

Note:

- The program memory is cleared when you open the disc tray or remove the USB device.
- The mode may be canceled when you open the disc tray or remove the USB device.

FM radio

30 FM stations can be preset.

Preparation

Press **[RADIO, EXT-IN]** repeatedly to select "FM".

Automatic presetting

- 1 Press **[RADIO MENU]** to select "A.PRESET".
 - 2 Press **[◀, ▶]** to select "LOWEST" or "CURRENT" frequency.
LOWEST:
To begin auto preset with the lowest frequency ("FM 87.9MHz" or "FM 87.5MHz").
CURRENT:
To begin auto preset with the current frequency.*1
 - 3 Press **[OK]** to start presetting.
 - The tuner starts to preset all the stations it can receive into the channels in ascending order.
To cancel, press **[■]**.
- *1: To change the frequency, refer to "Manual tuning and presetting".

Change the FM frequency step

- 1 Press **[RADIO, EXT-IN]** repeatedly to select "FM".
- 2 Press and hold **[■]** on the unit.
 - After a few seconds the display changes to show the current lowest frequency. Continue to hold the button down. The lowest frequency changes and the step is changed.

Manual tuning and presetting

- 1 Press **[◀◀]** or **[▶▶]** to tune in to the station.
 - Alternatively, press **[◀◀/◀◀]** or **[▶▶/▶▶]** on the main unit when "MANUAL" is selected as the tune mode*2.To tune automatically, press and hold the button until the frequency starts changing quickly.
- 2 Press **[PGM, -DEL]**.
- 3 Press the numeric buttons to select a preset number.
Do steps 1 through 3 again to preset more stations. The new station replaces any station that occupies the same preset number.

Selecting a preset station

Press the numeric buttons, [**◀◀**] or [**▶▶**] to select the preset station.

- Alternatively, press [**◀◀/▶▶**] or [**▶▶/◀◀**] on the main unit when "PRESET" is selected as the tune mode*2.

*2: To change the tune mode

- Press [**RADIO MENU**] repeatedly to select "TUNE MODE".
- Press [**◀**, **▶**] to select "MANUAL" or "PRESET", and then press [**OK**].

To display the current FM signal status

Press [**DISPLAY**].

"FM ST": FM stereo broadcast is being received.

"FM ---": No broadcast is received or FM broadcast received is weak or in monoaural.

"FM MONO": You have set the "FM MODE" to "MONO".

Note:

- "STEREO" is displayed when this unit tunes to a stereo broadcast.

Using the AUX IN input

You can change the input level etc. when you listen to the audio from a portable audio player etc. connected to AUX IN terminal.

Preparation

Connect the external equipment to AUX IN terminal.

To adjust the input level

You can adjust the input level.

- Press [**RADIO, EXT-IN**] repeatedly to select "AUX".
- Press [**SOUND**] repeatedly to select "INPUT LEVEL".
- Press [**◀**, **▶**] to select "LOW" or "HIGH" and then press [**OK**].

Note:

- The factory default is "HIGH".
 - Select "LOW" if the sound is distorted during "HIGH" input level.
- 12 Read the operating instructions of the external music device for details.
- Components and cables are sold separately.

AUX-IN auto play

The system will automatically switch to AUX source when it detects the signal from an external music device. This function also works in standby mode.

- Press [**RADIO, EXT-IN**] repeatedly to select "AUX".
- Press [**SETUP**] repeatedly to select "AUX-IN AUTO PLAY".
- Press [**◀**, **▶**] to select "ON" and then press [**OK**].

Note:

- The factory default is "OFF".
- This function does not work when the volume of the external music device is low, increase its volume.
- When the function is switched off and every time you switch to AUX source, "AUX-IN AUTO PLAY IS OFF" will be shown once.
- Stop or pause the external music device before you change to other music source or to standby mode so as to prevent the automatic switch to AUX source.
- When you use this function in standby mode, it may require some seconds to be output the sound.
- If this function is set to "ON", the standby power consumption will increase. (Approx. 0.15 W)

Using the PC input

You can play back music on the PC with this system's speakers by connecting a PC to the PC IN terminal on the main unit.

Before connecting to a PC

Follow the steps below.

- Refer to the following for the recommended OS versions for your PC:
 - Windows 8, Windows 8.1, Windows 10
 - OS X 10.7, 10.8, 10.9, 10.10, 10.11, macOS 10.12, 10.13, 10.14, 10.15
- ① Download and install the dedicated driver to the PC. (Only for Windows OS)
Download and install the driver from the website below.
<https://panasonic.jp/support/global/cs/audio/>
(This site is in English only.)
- ② Download and install the dedicated app "Panasonic Audio Player 2" (free of charge) on your PC. (For Windows OS and OS X)
Download and install the app from the website below.
<https://panasonic.jp/support/global/cs/audio/>
(This site is in English only.)

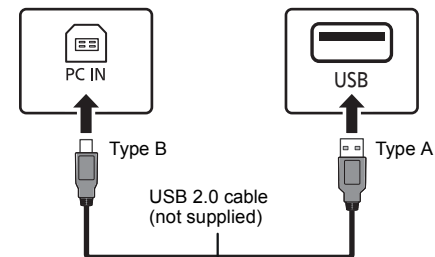
(as of May 2021)

Listening to audio from a PC

- Disconnect the AC power supply cord.
- Connect the main unit and a PC.

Main unit (rear)
USB-DAC port

PC



- Connect the AC power supply cord to the main unit and turn this system on.
- Press [**RADIO, EXT-IN**] repeatedly to select "PC".
- Operate the PC for playback.

Note:

- When you play back high-resolution audio, it is recommended that you use a compatible USB 2.0 High Speed Cable.

Sound effects

Changing the sound quality

- Press [**SOUND**] repeatedly to select a sound effect.
- Press [**◀**, **▶**] to select the desired setting.

BASS	-4 to +4
TREBLE	-4 to +4
SURROUND	"ON SURROUND" or "OFF SURROUND"
[CD] (CD-DA) CD HIGH RES RE-MASTER	"ON" or "OFF".

By main unit only

Turn [**BASS**] or [**TREBLE**] to adjust the level.

Preset EQ

Press [PRESET EQ] repeatedly to select a setting.

HEAVY	Adds punch to rock
SOFT	For background music
CLEAR	Clarifies higher frequencies
VOCAL	Adds gloss to vocal
FLAT	Cancels the sound effect

Note:

- If you set Preset EQ and then adjust BASS and TREBLE, Preset EQ will be canceled.

D.BASS

This function lets you enjoy a powerful bass effect.

Press [D.BASS] to select "ON D.BASS" or "OFF D.BASS".

Clock and timers

Setting the clock

This is a 12-hour clock.

Using clock information from a network device

You can stream the clock information from the device to this unit by using the app "Panasonic Music Control".

Preparation

- Complete the network settings. (⇒ 7)
- Install the app "Panasonic Music Control" on your device.
- Connect your device to the same network as this system.

1 Turn this system on.

- Check that the network LED (blue) is lighted on the main unit.
- If it is not indicated, check the network settings. (⇒ 7)

2 Start the app "Panasonic Music Control".

- Always use the latest version of the app.
- The clock information will be sent to this system.

Adjusting the clock manually

1 Press [CLOCK/TIMER] to select "CLOCK".

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

To check the time

Press [CLOCK/TIMER].

Note:

- Reset the clock regularly to maintain accuracy.

Sleep timer

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

Press [SLEEP] repeatedly to select the setting (in minutes).

"SLEEP 30" → "SLEEP 60" → "SLEEP 90"
↑ "OFF" (Cancel) ← "SLEEP 120" →

To show the remaining time

Press [SLEEP].

Note:

- The remaining time is indicated on the unit's display at every minute except when other operations are performed. "SLEEP 1" is always shown when only 1 minute remains.
- 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

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

Preparation

Set the clock.

1 Press [CLOCK/TIMER] repeatedly to select

"TIMER ADJ".

2 Press [▲, ▼] to set the starting time ("ON TIME") and then press [OK].

3 Press [▲, ▼] to set the finishing time ("OFF TIME") and then press [OK].

4 Press [▲, ▼] to select the music source* and then press [OK].

Turning the timer on

1 Prepare the selected music source and set the desired volume.

2 Press [⊙, PLAY].

"⊙" is shown.

To cancel, press [⊙, PLAY] again.

The system must be switched off for the timer to operate.

To check the settings

Press [CLOCK/TIMER] repeatedly to select "TIMER ADJ".

(During standby, press [CLOCK/TIMER] twice.)

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 switch on again while a timer is in operation, the timer will not stop at the end time.

* "CD", "USB", and "FM" can be set as the music source. You can also set a favorite (FAV) that has been registered with [FAV].

Firmware updates

Occasionally, Panasonic may release updated firmware for this system that may add or improve the way a feature operates. These updates are available free of charge.



Downloading takes approx. 20 minutes. Do not disconnect the AC power supply cord or turn this system to standby while updating

- The progress is displayed as "UPDATING" or "UPD □□%" while updating. ("□" stands for a number.)

Note:

- Due to measure to solve security issues, etc., there are times when operations (timers, etc.) on this system are forcibly stopped and the firmware is updated. If you do not want the firmware forcibly updated, disconnect the LAN cable or disconnect from the wireless network.
- During the update process, no other operations can be performed.
- If there are no updates, "NO NEED" is displayed.
- Updating the firmware may reset the settings of this unit.
- Downloading takes a maximum of approx. 20 minutes. It may take longer or may not work properly depending on the connection environment.

Preparation

- Connect this system to the home network. (⇒ 7)
 - Make sure that the network is connected to the Internet.

- 1 Press [SETUP].**
- 2 Press [▲, ▼] repeatedly to select “FW UPDATE” and then press [OK].**
- 3 Press [◀, ▶] to select “YES” and then press [OK].**
 - The progress is displayed as “UPD □□%” while updating. (“□” stands for a number.)
 - When the update has finished successfully, “SUCCESS” is displayed.
- 4 Press [⏻] to turn this system off and on.**

Checking the firmware version

- 1 Press [SETUP].**
- 2 Press [▲, ▼] repeatedly to select “FW VER.” and then press [OK].**
- 3 Press [◀, ▶] to select “FIRMWARE” and then press [OK].**

The version of the installed firmware is displayed.
- 4 Press [OK] to exit.**

Others

Using the favorite function

Registering your favorite station or playlist to [FAV]

You can register your favorite station, music or playlist (FM, Internet Radio, Podcasts, etc.) and call up the station easily by pressing [FAV].

- 1 Switch the input source (FM, Internet Radio, Podcasts, etc.).**
- 2 Press and hold [FAV] while the favorite station or playlist is played back.**
 - “MEM FAV*” is displayed. (“*” is blinked.)
- 3 Press the number button (1 - 9) to register.**
 - “FAV* MEMORISED” is displayed when the registration is completed. (“*” stands for the registered number.)
 - A station previously stored is overwritten when another station is selected for the same number.

Calling up the favorite station

- 1 Press [FAV].**
- 2 Press the registered number (1 - 9).**
 - You can also call up the station by pressing [FAV] repeatedly. (Switches to the registered station.)
 - The input source automatically switches to the registered station.
 - “EMPTY” is displayed if no item is registered to the favorite list.

Note:

- At the discretion of the service providers, when a song in a playlist is registered in favorites (FAV) and then called up, a different song in the playlist may be played.
- At the discretion of the service providers, when a song you played is registered in favorites (FAV) and then called up, the song may not be played correctly.
- At the discretion of the service providers, stations and music registered in favorites (FAV) may be change or deleted without notice.

Auto off function

As a factory default, this unit will turn to standby mode automatically if there is no sound and it is not being used for approximately 20 minutes.

To cancel this function

- 1 Press [SETUP] repeatedly to select “AUTO OFF”.**
- 2 Press [◀, ▶] to select “OFF” and then press [OK].**

Note:

- To turn the function on, select “ON” in step 2.
- When connected to a Bluetooth® device, the function does not work.

Network standby

This system can turn on automatically from standby mode when this system is selected as the network/Bluetooth® device's output speakers.

The factory default is “ON”.

To turn off the network standby, select “OFF” in step 2.

- 1 Press [SETUP] repeatedly to select “STANDBY MODE” and then press [OK].**
 - 2 Press [◀, ▶] to select “ON” or “OFF” and then press [OK].**
 - When “STANDBY MODE” is “ON”
 - The power consumption in standby mode will increase.
 - When “STANDBY MODE” is “OFF”
 - The time it takes for the system to start after it is turned on will be longer than when “STANDBY MODE” is “ON”.
- When the system is turned on by this feature, the beginning part of the music may not be played back.
 - Depending on the app, the conditions for activating this function may differ.
 - The system may not turn on even when selected as the output speakers. In that case, start playback.

Wi-Fi signal strength

To check the Wi-Fi signal strength where this system is located.

Preparation

Connect this system to the wireless network. (⇒ 7)

- 1 Press [RADIO, EXT-IN] repeatedly to select “NETWORK”.
 - 2 Press [SETUP] repeatedly to select “SIGNAL LEVEL” and then press [OK].
“LEVEL □” is indicated on the display.
 (“ □ ” stands for a number.)
 - Press [■] to exit this display mode.
- It is recommended to have a signal strength of “3”. Change the position or angle of your wireless router or this system if the indication is “2” or “1” and see if the connection improves.
 - If “LEVEL 0” is displayed, this system cannot establish a link with the wireless router.

Wireless network name (SSID)

Display the name for the connected wireless network (SSID).

- 1 Press [RADIO, EXT-IN] repeatedly to select “NETWORK”.
 - 2 Press [SETUP] repeatedly to select “NET INFO” and then press [OK].
 - 3 Press [◀, ▶] repeatedly to select “SSID” and then press [OK].
 - Press [■] to exit.
- If “NO CONNECT” is displayed this system is not connected to a wireless network.
 - Characters that cannot be displayed are replaced with “*”.

IP/MAC Address

You can confirm the IP address allocated to this system and the wired or Wi-Fi MAC address of this system. (The MAC address connected is displayed.)

- 1 Press [RADIO, EXT-IN] repeatedly to select “NETWORK”.
- 2 Press [SETUP] repeatedly to select “NET INFO” and then press [OK].
- 3 Press [◀, ▶] repeatedly to select “IP ADDR.” or “MAC ADDR.” and then press [OK].
The IP address or the MAC address is partially displayed.
- 4 Press [◀, ▶] on the remote control to show the rest of the IP address or the MAC address.
 - Press [■] to exit.
 - The “-” displayed on the top or bottom left of the display indicate the first and last units respectively.

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.

Do you have the latest firmware installed?

Panasonic is constantly improving the system's firmware to ensure that our customers are enjoying the latest technology. (⇒ 13)

For further dedicated help, support and advice about your product please visit:

<https://panasonic.jp/support/global/cs/audio/>
(This site is in English only.)

The unit does not work.

- One of the unit's safety devices may have been activated.
 - 1 Press [⏻/|] on the unit to switch the unit to standby.
 - If the unit does not turn off, disconnect the AC power supply cord from the AC outlet, reconnect it to the outlet after about 30 seconds. Then wait for about 10 seconds.
 - 2 Press [⏻/|] on the unit to switch it on. If the unit still cannot be operated, consult the dealer.

Main unit displays

“--:--”

- You connected the AC power supply cord for the first time or there was a power failure recently. Set the clock.

“ADJUST CLOCK”

- Clock is not set. Adjust the clock accordingly.

“ADJUST TIMER”

- Play timer is not set. Adjust the play timer accordingly.

“AUTO OFF”

- The unit has been left unused for about 20 minutes and will shut down in a minute. Press any button to cancel it.

“EMPTY”

- No station or playlist is registered to [FAV]. Add an item to the list.

“ERROR”

- An incorrect operation was done. Read the instructions and try again.
(It is not malfunction.)

“F□□” / “F□□□” (“□” stands for a number.)

- There is a problem with this unit.
Disconnect the AC power supply cord from the AC outlet, reconnect it to the outlet after about 30 seconds. Wait for about 10 seconds, then turn on the unit. If the problem still persists, disconnect the AC power supply cord and consult your dealer.

“FAIL”

“DL ERROR”

- Updating or setting has failed. After turning off the unit, disconnect the AC power supply cord from the AC outlet, reconnect it to the outlet after about 30 seconds. Wait for about 10 seconds, then turn on the unit and redo the update.
- The firmware download has failed. Press any button to exit. Please try again later.
- The server cannot be found. Press any button to exit. Make sure that the wireless network is connected to the Internet.

“FAILED”

- Registration to favorites has failed. Do the operation during playback.

“LINKING”

- This system is trying to connect to the last connected Bluetooth® device when “BLUETOOTH” is selected.
- This system is communicating with the wireless router to complete the network settings.
Depending on the wireless router this process may take a few minutes. Try moving this system closer to the wireless router.

“NETWORK INITIALIZING”

“BLUETOOTH INITIALIZING”

- The system is carrying out an internal process.
Continue the operation after the display disappears.

“NEW FIRMWARE FOUND”

- The firmware (free of charge) for this unit is available.
(⇒ 13)

“NO DEVICE”

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

“NO DISC”

- You have not put in a disc or put in a disc that the system cannot play.

“NO PLAY”

- Examine the content. You can only play supported format. (⇒ 9)
- The files in the USB device can be corrupted. Format the USB device and try again.
- The unit may have a problem. Turn the unit off and then on again.

“NO PRESET”

- The selected preset channel has not been preset.
Preset some channels.

“NO SIGNAL”

- This station cannot be received. Check your antenna.

“NOT SUPPORTED”

- You have connected an unsupported USB device.

“NOT VALID”

- The function you have tried to use is not available with the current settings. Check the steps and settings.

“OPT UNLOCKED”

- “OPT” is selected, but no device is connected.
- The sampling frequency components, etc. of the audio signals are not input correctly.

“PC UNLOCKED”

- “PC” is selected, but a PC is not connected.

“PGM FULL”

- The number of programmed tracks is more than 24.

“PLAYERERROR”

- You played an unsupported file. The system will skip that track and play the next one.
- Normally, the track is skipped and playback proceeds to the next track, but in some cases, playback may stop depending on the audio source. Check the file format of the track.
(It is not malfunction.)

“READING”

- The unit is checking the CD information. After this display has disappeared, start operating.
- When starting playback of DSD files, it may take time to read the file. Wait until reading completes.

“REMOTE □” (“□” stands for a number.)

- The remote control and this unit are using different codes. Change the code on the remote control.
 - When “REMOTE 1” is displayed, press and hold [OK] and [1] for at least 4 seconds.
 - When “REMOTE 2” is displayed, press and hold [OK] and [2] for at least 4 seconds.

“USB OVER CURRENT”

- The USB device is drawing too much power. Remove the USB device. Switch the system off and on again.
(It is not malfunction.)

“VBR”

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

“WAIT”

- This is displayed, for example, when this unit is turning off.
- This is flashing when the system is trying to enter a network setting mode.

Initialisation

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 power supply cord.

Wait 30 seconds before you continue with step 2.

2 While you press and hold [⏻/⏪] on the main unit, connect the AC power supply cord again.

Keep holding down [⏻/⏪] until “-----” appears on the display.

- Wait until the display disappears. (About 1 minute)

3 Release [⏻/⏪].

All the settings are set back to the factory default. It is necessary to set the memory items again.

- To reset the network settings, perform the operation for network reset. (⇒ 7)

Remote control code

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

To set the code to “REMOTE 2”

1 Press [SELECTOR, - Ⓜ PAIRING] on the main unit to select “CD”.

2 Press and hold [■] on the main unit and [2] on the remote control until “REMOTE 2” is shown.

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

- The factory default is “REMOTE 1”.
- To change the mode back to “REMOTE 1”, repeat the steps above but replace the button pressed on the remote control from [2] to [1].

Specifications

General

Power supply	AC 120 V, 60 Hz
Power consumption	43 W
Dimensions	(W × H × D) 211 mm × 114 mm × 267 mm (8 5/16" × 4 1/2" × 10 1/2")

Mass	Approx. 2.9 kg (6.4 lbs)
Operating temperature range	0 °C to +40 °C (+32 °F to +104 °F)
Operating humidity range	35 % to 80 % RH (no condensation)

Power consumption in standby mode

(When "STANDBY MODE" is "OFF" and no clock display)	0.25 W (approx.)
(When "STANDBY MODE" is "ON" and no clock display)*1	2.0 W (approx.)

Amplifier section

RMS output power	
Front Ch (both ch driven)	60 W per channel (3 Ω), 1 kHz, 10 % THD
Total RMS power	120 W

Speaker section

Speaker unit(s)	
Woofer	14 cm (5 1/2") cone type × 1
Tweeter	1.9 cm (3/4") dome type × 1
Super tweeter	1.5 cm (19/32") piezoelectric type × 1
Impedance	3 Ω
Dimensions (W × H × D)	161 mm × 238 mm × 262 mm (6 5/16" × 9 3/8" × 10 5/16")
Mass	Approx. 2.6 kg (5.7 lbs)

FM section

Preset memory	30 stations
Frequency range	87.9 MHz to 107.9 MHz (200 kHz step) 87.5 MHz to 108.0 MHz (100 kHz step)
Antenna terminals	75 Ω (unbalanced)

Disc section

Disc played [8 cm (3") or 12 cm (5")]	CD, CD-R/RW (CD-DA, MP3*2)
Pick up	Wavelength 790 nm (CD)

Terminals section

Headphones Jack	Stereo, Ø3.5 mm (1/8")
USB (USB-A)	FRONT USB Type A Connector
Maximum number of folders (albums)	800
Maximum number of files (songs)	8000
File system	FAT16, FAT32
USB port power	DC OUT 5 V 1.5 A MAX
PC (USB-B)	REAR USB Type B Connector
Ethernet interface	LAN (100BASE-TX/10BASE-T)
AUX IN	Stereo, Ø3.5 mm (1/8") Jack
AUDIO IN	Line input (Pin jack)
Digital input	Optical digital input (Optical terminal)
Format support	LPCM

Bluetooth® section

Bluetooth® System Specification	Bluetooth® Ver.4.2
Wireless Equipment Classification	Class 2 (2.5 mW)
Supported Profiles	A2DP, AVRCP
Supported Codec	AAC, SBC
Frequency band	2.4 GHz Band FH-SS
Operation Distance	approx. 10 m (33 ft) Line of sight*3

Wi-Fi section

Standard	IEEE802.11a/b/g/n/ac
Frequency band	2.4 GHz band / 5 GHz band
Security	WPA2™, Mixed mode WPA2™/WPA™

Note:

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

*1: Wired LAN or Wireless LAN

*2: MPEG-1 Layer 3, MPEG-2 Layer 3

*3: Prospective communication distance. Measurement environment: Temperature 25 °C (77 °F)/ Height 1.0 m (3.3 ft). Measure in "MODE 1".



Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.

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FLAC Decoder

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