Panasonic

Operating Instructions

CD Stereo System

Model No. **SC-PMX92**
SC-PMX90

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

For the United Kingdom and Ireland

Sales and Support Information

Customer Communications Centre
- For customers within the UK: 0344 844 3899
- For customers within Ireland: 01 289 8333
- Monday–Friday 9:00 am – 5:00 pm (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 9:00 am – 5:00 pm (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.

Model number suffix "EB" denotes UK model.

EG EB GN

Table of contents

Maintenance 2
Safety precautions 2
Caution for AC Mains Lead 3
Supplied accessories 3
Placement of speakers 3
Making the connections 4
Overview of controls 5
Preparing the remote control 5
About Bluetooth® 6
Bluetooth® operations 6
Media information 7
Inserting media 7
Media playback controls 8
FM radio 9
PMX92 DAB/DAB+ 9
Clock and timers 10
Sound effects 10
Using the AUX IN input 11
Using the PC input 11
Others 12
Troubleshooting 12
Specifications 14

TQBM0358

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. These operating instructions are applicable to the following system.

System	SC-PMX92	SC-PMX90
Main unit	SA-PMX92	SA-PMX90
Speakers	SB-PMX70	SB-PMX70

Unless otherwise indicated, illustrations in these operating instructions are of SC-PMX92.

PMX92: indicates features applicable to SC-PMX92 only.

PMX90: indicates features applicable to SC-PMX90 only.

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

~ AC

⎓ DC

⧈ Class II equipment (The construction of the product is double-insulated.)

I On

⏻ Standby

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.

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.

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 mains plug is the disconnecting device. Install this unit so that the mains 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.

For Continental Europe, the United Kingdom and Ireland

Declaration of Conformity (DoC)
Hereby, "*Panasonic Corporation*" declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.
Customers can download a copy of the original DoC to our RE products from our DoC server:
http://www.ptc.panasonic.eu
Contact to Authorised Representative:
Panasonic Marketing Europe GmbH,
Panasonic Testing Centre, Winsbergring 15, 22525 Hamburg, Germany

Type of wireless	Frequency band	Maximum power (dBm e.i.r.p.)
Bluetooth®	2402-2480 MHz	4 dBm

Disposal of Old Equipment and Batteries Only for European Union and countries with recycling systems

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries must not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points in accordance with your national legislation.
By disposing of them correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment.
For more information about collection and recycling, please contact your local municipality.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

(Note for the battery symbol (bottom symbol)):
This symbol might be used in combination with a chemical symbol. In this case it complies with the requirement set by the Directive for the chemical involved.

Caution for AC Mains Lead

(For the AC mains plug of three pins)

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

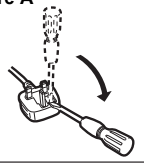
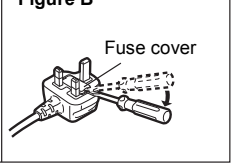


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

Figure B

Supplied accessories

Check and identify the supplied accessories.

- ☐ **(For Continental Europe)**
  1 x AC mains lead
  (K2CQ2YY00107)
- ☐ **(For the United Kingdom and Ireland)**
  1 x AC mains lead
  (K2CT2YY00089)
- ☐ **(For Australia and New Zealand)**
  1 x AC mains lead
  (K2CJ2YY00123)
- ☐ **1 x Remote control**
  (N2QAYB001101)
- ☐ **1 x Remote control battery**
- ☐ **2 x Speaker cables**
  (REE1713)

- ☐ (PMX92) **1 x DAB antenna**
  (N1CYYY00022)

- ☐ (PMX90) **1 x FM indoor antenna**
  (RSAX0002)

- Product numbers provided in these operating instructions are correct as of December 2018. 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.

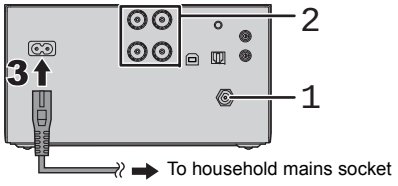
Note:
- Keep your speakers more than 10 mm from the main unit for ventilation.
- Put the speakers on a flat safe surface.
- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- When you play at high levels for a long period, 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.**

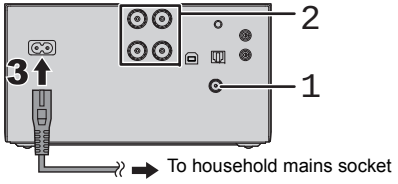
Making the connections

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

PMX92



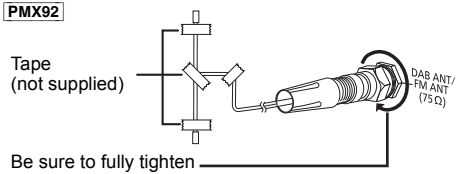
PMX90



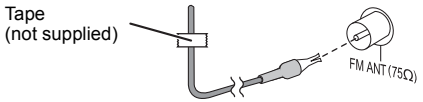
1 Connect the antenna.

Place the antenna where reception is best.

PMX92

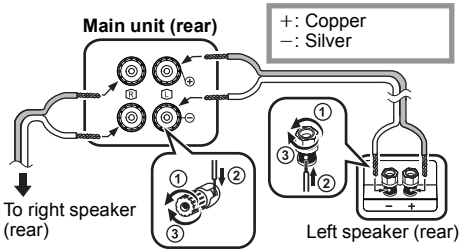


PMX90



- 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 mains lead.

Do not use an AC mains lead with other equipment.

Conserving power

The system consumes a small amount of power (⇨ 14), 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.

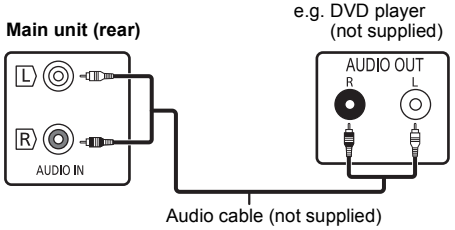
Connecting other equipment

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

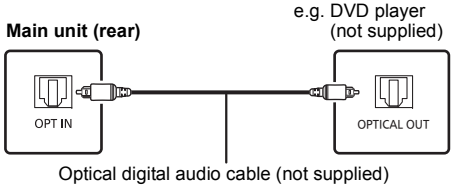
Note:

- Disconnect the AC mains lead 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.
- When enjoying video contents with this function, the video and audio output may not be synchronised.

Connecting to AUDIO IN terminal

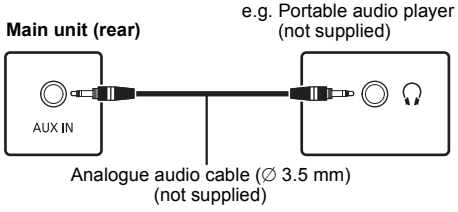


Connecting to OPT IN (Optical Audio In) terminal



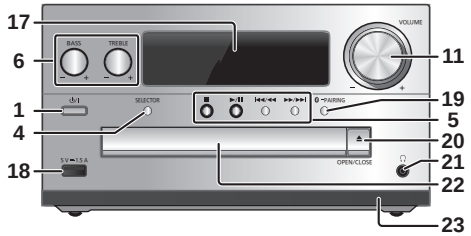
- The digital audio input terminal of this unit can only detect the following linear PCM (LPCM) signals. For details, refer to the operating instructions of the connected device.
  - Sampling frequency: 32, 44.1, 48, 88.2, 96 kHz
  - Number of quantisation bits: 16/24 bits

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” (⇨ 11).

Overview of controls



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 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 Delete a programmed track

4 Select audio source
On the remote control
[ᛒ]: "BLUETOOTH"
[CD/USB]: "CD" ⟷ "USB"
[RADIO, EXT-IN]:
"DAB+" (PMX92) ⟶ "FM" ⟶ "AUDIO IN"
↑⟵ "PC"⟵ "OPT"⟵ "AUX" ⟵┘
On the main unit
[SELECTOR]:
"CD" → "BLUETOOTH" → "DAB+" (PMX92) → "FM"
↓
"PC"⟵ "USB"⟵ "OPT"⟵ "AUX"⟵ "AUDIO IN"

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 Set the programme function

11 Adjust the volume of the system

12 Mute the sound of the system
Press the button again to cancel.
"MUTE" is also cancelled 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
Press the button again to cancel.

17 Display panel

18 Port for USB devices

19 Bluetooth®-pairing button
- Press to select "BLUETOOTH" as the audio source.
- Press and hold to enter pairing mode (⇨ 6) or disconnect a Bluetooth® device (⇨ 7).

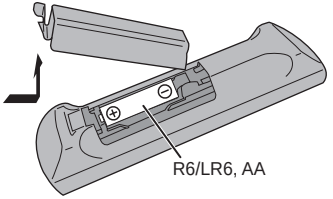
20 Open or close the disc tray

21 Headphones jack (∩)
- Plug type: 3.5 mm 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.

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

23 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 directly in front of the main unit, within an angle of approximately 30° to the left and right.

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 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 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 [-PAIRING] on the unit.

3 Select “SC-PMX92” or “SC-PMX90” 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 “SC-PMX92” or “SC-PMX90” 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 prioritise 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.
- When enjoying video contents with this function, the video and audio output may not be synchronised. In this case, select “MODE 1”.
- The factory default is “MODE 2”.

Bluetooth® input level

If the sound input level from the Bluetooth® device is too low, change the input level setting.

Preparation
- Connect a Bluetooth® device.

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”

Note:
- Select “LEVEL 0” if the sound is distorted.
- The factory default is “LEVEL 0”.

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 [-PAIRING] on the unit.
- The Bluetooth® device will be disconnected if a different audio source (e.g., "CD") is selected.

Bluetooth® standby

When "SC-PMX92" or "SC-PMX90" is selected from a paired Bluetooth® device's Bluetooth® menu, this unit will turn on automatically from standby mode and establish a Bluetooth® connection.

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

2 Press [◄, ►] to select "ON" and then press [OK].

Note:
- To turn the function off, select "OFF" in step 2.
- The factory default is "OFF". If this function is set to "ON", the standby power consumption will increase.

The Bluetooth® word mark and logos are registered trademarks owned by 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.

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.
- FAT12, 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.
- 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.

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

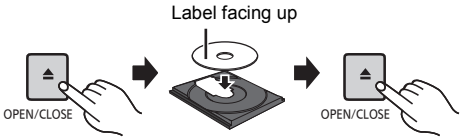
Compatible CD

- 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, finalise 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

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

Preparation

- Turn the unit on.
- Insert the media or connect the Bluetooth® device.
- Press [CD/USB] or [ ] to select the audio source.

Basic controls CD USB Bluetooth

Play	Press [▶/❚❚].
Stop	Press [■]. • USB: The position is memorised 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	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.
- CD USB:Tracks can be selected by pressing the numeric buttons.

Viewing available information CD USB Bluetooth

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

2 Press [◀, ▶] to select the setting and then press [OK].

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.
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 "Programme playback".
- The mode is cancelled when you open the disc tray or remove the USB device.

Programme playback CD USB

This function allows you to programme up to 24 tracks.

CD (CD-DA)

1 Press [PROGRAM] 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 programme other tracks.

3 Press [▶/❚❚] to start playback.

CD (MP3), USB

1 Press [PROGRAM] 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 programme other tracks.

5 Press [▶/❚❚] to start playback.

Check programme contents	Press [⏮] or [⏭] in the stop mode.
Clear the last track	Press [DEL] in the stop mode.
Cancel programme mode	Press [PROGRAM] 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 programme memory is cleared 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 87.50).
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”.

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 [PROGRAM].**

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
1 Press [RADIO MENU] repeatedly to select “TUNE MODE”.
2 Press [◀, ▶] to select “MANUAL” or “PRESET”, and then press [OK].

To display the current FM signal status

For Continental Europe:
Press [DISPLAY] repeatedly to select “FM STATUS”.
For others:
Press [DISPLAY].

“FM ST”: FM stereo broadcast is being received.
“FM - - - -”: No broadcast is received or FM broadcast received is weak or in monaural.
“FM MONO”: You have set the “FM MODE” to “MONO”. (⇨ 12, “If noise is excessive during FM reception.”)

Note:
- “STEREO” is displayed when this unit tunes to a stereo broadcast.

RDS broadcasting

(For Continental Europe only)

This system can show the text data transmitted by the radio data system (RDS) available in some areas.

Press [DISPLAY] repeatedly.

“PS”: Programme service
“PTY”: Programme type
“FREQ”: Frequency

Note:
- RDS is available only when stereo works in reception.
- RDS may not be available if reception is poor.

PMX92 DAB/DAB+

Preparation
Press [RADIO, EXT-IN] repeatedly to select “DAB+”.

If you select “DAB+” for the first time, the system will start the “DAB AUTO SCAN” procedure.

Note:
- If no station is detected, “SCAN FAILED” is shown. Adjust the antenna and try again.

DAB/DAB+ auto scan

1 **Press [RADIO MENU] to select “AUTOSCAN” and then press [OK].**
“START?” is shown.

2 **Press [OK].**
“DAB AUTO SCAN” is shown.

DAB/DAB+ manual tuning

To find the best antenna position, use manual tuning to search selected DAB/DAB+ frequency block.

1 **Press [RADIO MENU] repeatedly to select “MANUAL SCAN”.**

2 **Press [◀, ▶] to select a frequency block to scan and then press [OK].**

Memory presetting

You can preset up to 20 DAB/DAB+ stations.

1 **Press [◀◀] or [▶▶] to select a station.**
- Alternatively, press [|◀◀/◀◀] or [▶▶/▶▶|] on the main unit when “STATION” is selected as the tune mode*1.

2 **Press [PROGRAM].**

3 **Press the numeric buttons to select a preset number.**
Do steps 1 through 3 again to preset more stations.

Note:
- A station previously stored is overwritten when another station is stored in the same preset number.
- You cannot preset a station when the station is not broadcasting or when you have selected a secondary service.
- Previous station memory is cleared during auto scan.

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*1.

*1: To change the tune mode
1 Press [RADIO MENU] repeatedly to select “TUNE MODE”.
2 Press [◀, ▶] to select “STATION” or “PRESET”, and then press [OK].

Viewing available information

You can view information about the DAB/DAB+ broadcast, programme type, ensemble label, frequency and time.

Press [DISPLAY] to view available information.

DAB/DAB+ settings

1 Press [RADIO MENU] repeatedly to select an option.

2 Press [◄, ►] to select the desired setting and then press [OK].

DAB SECONDARY	
PRIMARY	To listen to primary service.
SECONDARY	To listen to secondary services. "▽" is shown.
AUTO CLOCK ADJ	
ON ADJUST	Start auto clock adjustment.
OFF ADJUST	Cancel auto clock adjustment.

DAB/DAB+ signal quality

When adjusting the antenna, you can check the reception quality.

1 Press [RADIO MENU] repeatedly to select "SIGNAL QUALITY".

2 Press [◄, ►] to select frequency.
The current frequency block is displayed and then the reception quality is indicated.

Clock and timers

Setting the clock

This is a 24-hour clock.

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" → "SLEEP 120" → "OFF" (Cancel) →

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*1 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.

*1: "CD", "USB", "DAB+" (PMX92), and "FM" can be set as the music source.
- For timer music source through the port for USB devices, select "USB".

Sound effects

Changing the sound quality

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

2 Press [◄, ►] to select the desired setting.

BASS	-4 to +4
TREBLE	
SURROUND	"ON SURROUND" or "OFF SURROUND"

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

D.BASS

This function lets you enjoy a powerful bass effect.

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

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.

1 Press [SOUND] repeatedly to select "INPUT LEVEL".

2 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.
- 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.

1 Press [SETUP] repeatedly to select "AUX-IN AUTO PLAY".

2 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. 1.9 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.

About supported format, refer to "Specifications" (⇨ 14).

Before connecting to a PC

Follow the steps below.

- Refer to the following for the recommended OS versions for your PC:
  - Windows 7, Windows 8, Windows 8.1, Windows 10
  - OS X 10.7, 10.8, 10.9, 10.10, 10.11
  - macOS 10.12, 10.13

① Download and install the dedicated driver to the PC. (Only for Windows OS)
Download and install the driver from the website below.
http://panasonic.jp/support/global/cs/audio/
(This site is in English only.)

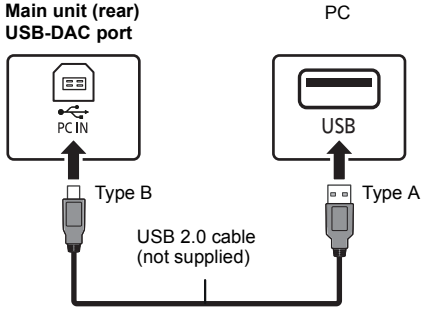
② Download and install the dedicated app "Panasonic Audio Player 2" (free of charge) on your PC. (For Windows OS and OS X)
Download and install the app from the website below.
http://panasonic.jp/support/global/cs/audio/
(This site is in English only.)

(as of August 2018)

Listening to audio from a PC

1 Disconnect the AC mains lead.

2 Connect the main unit and a PC.



3 Connect the AC mains lead to the main unit and turn this system on.

4 Press [RADIO, EXT-IN] repeatedly to select "PC".

5 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.

Mac and OS X are trademarks of Apple Inc., registered in the U.S. and other countries.

macOS is a trademark of Apple Inc.

Windows is a trademark or a registered trademark of Microsoft Corporation in the United States and other countries.

Others

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.
- This setting cannot be selected when radio is the source.
- When connected to a Bluetooth® device, the function does not work.

Software update

Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. These updates are available free of charge. For more details, refer to the following website.
http://panasonic.jp/support/global/cs/
(This site is in English only.)

Checking the software version

Press [SETUP] repeatedly to select “SW VER.” and then press [OK].
The version of the installed software is displayed.
- Press [OK] to exit.

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

Cannot turn on the unit.
- After connecting the AC mains lead, wait about 10 seconds before turning on the unit.

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, then switch the system 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.
- Ensure the speaker cables are connected correctly and securely. (⇨ 4)
- The digital audio input terminal of this unit can only detect linear PCM (LPCM) signals. For details, refer to the operating instructions of the device.

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.

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

Noise is heard.
- During “AUX” mode, when a device is connected to both the AUX IN terminals and the USB port, noise may be generated depending on the device. In this case, remove the USB cable from the USB port.

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.

Radio

Reception is poor or a beat sound is heard.
- Keep the antenna away from computers, TVs, other cables and cords.
- Use an outdoor antenna.
- Switch off the TV or move it away from the system.

If noise is excessive during FM reception.
- Change the audio to be output as monaural.
  1 Press [RADIO MENU] repeatedly to select “FM MODE”.
  2 Press [◄, ►] to select “MONO” and then press [OK].
  The sound becomes monaural.
  - To cancel, select “STEREO” or change the frequency.
  In normal circumstances, select “STEREO”.

USB

The USB device or the contents in it cannot be read.
- The format of the USB device or the contents in it is/ are not compatible with the system.

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.

Bluetooth®

Pairing cannot be done.
- Check the Bluetooth® device condition.

The device cannot be connected.
- The pairing of the device was unsuccessful or the registration has been replaced. Try pairing the device again.
- This system might be connected to a different device. Disconnect the other device and try pairing the device again.
- If “MODE 2” is selected in “LINK MODE”, select “MODE 1”. (⇨ 6)
- If the problem persists, turn the unit off and on, then try again.

The device is connected but audio cannot be heard through this system.
- For some built-in Bluetooth® devices, you have to set the audio output to “SC-PMX92” or “SC-PMX90” manually. Read the operating instructions for the device for details.

The sound is interrupted.
- The device is out of the 10 m communication range. Bring the Bluetooth® device closer to this system.
- Remove any obstacle between this system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Bring the Bluetooth® device closer to this system and distance it from the other devices.
- Select “MODE 1” for stable communication. (⇨ 6)

AUX

“AUX-IN auto play” does not work.
- You have not connected the external music device correctly.
- Increase the volume of the external music device.
- If “OFF” was selected during “AUX-IN AUTO PLAY”, select “ON”.

Unintentional automatic switch to AUX source.
- Connect the audio cable to the system only after all the other connections have been made.
  Noise may be detected when connecting the external music device and it will cause the set to automatically switch to AUX source.

PC

The PC does not recognise this system.
- Check your operating environment. (⇨ 11)
- Restart the PC, turn off and on this system, and then reconnect the USB cable.
- Use another USB port of the connected PC.
- Install the dedicated driver if using a PC with Windows.

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”
- 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.

“CHECKING CONNECTION”
- The unit is checking the connected USB device.

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

“F□□” / “F□□□” (“ □ ” stands for a number.)
- There is a problem with this unit.
  Disconnect the AC mains lead 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 mains lead and consult your dealer.

“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. (⇨ 14)
- 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” (PMX92)
- There are no preset DAB/DAB+ stations to select. Preset some channels.

“NO SIGNAL” (PMX92)
- This station cannot be received. Check your antenna.

“DEVICE NO RESPONSE”
“HUB NOT SUPPORTED”
“NOT SUPPORTED”
- You have connected an unsupported USB device.

“OPT UNLOCKED”
- “OPT” is selected, but no device is connected.
- The sampling frequency components, etc. of the audio signals are not input correctly.
  – For supported formats, refer to “Connecting to OPT IN (Optical Audio In) terminal” (⇨ 4).

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

“PGM FULL”
- The number of programmed tracks is more than 24.

“PLAYERROR”
- You played an unsupported file. The system will skip that track and play the next one.

“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.

“SCAN FAILED” (PMX92)
- Stations are not receivable. Check your antenna and try DAB/DAB+ manual tuning.

“USB OVER CURRENT ERROR”
- The USB device is drawing too much power. Remove the USB device. Switch the system off and on again.

“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.

Memory reset (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 mains lead.
Wait 30 seconds before you continue with step 2.

2 While you press and hold [⏻/I] on the main unit, connect the AC mains lead again.
Keep holding down [⏻/I] until “---------” appears on the display.

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

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] 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 220 V to 240 V, 50 Hz
Power consumption 40 W
Dimensions (main unit)
(W x H x D) 211 mm x 114 mm x 267 mm
Mass (main unit) Approx. 2.8 kg
Operating temperature range 0 °C to +40 °C
Operating humidity range
35 % to 80 % RH (no condensation)

Power consumption in standby mode*1, 2
0.35 W (approx.)
(When “BLUETOOTH STANDBY” is “ON”)*2
0.45 W (approx.)

*1: “BLUETOOTH STANDBY” is “OFF”.
*2: No device is connected to the USB port before turning to standby mode.

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

FM section

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

DAB section (PMX92)

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*3)
Pick up
Wavelength 790 nm (CD)
NORSK (NORWAY)
Bølgelengde 790 nm (CD)
Laserstyrke Ingen farlig stråling sendes ut

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

Terminals section

Headphones Jack Stereo, ∅3.5 mm
USB (USB-A) FRONT USB Type A Connector
File system FAT12, FAT16, FAT32
USB port power DC OUT 5 V 1.5 A MAX
PC (USB-B) REAR USB Type B Connector
AUX IN Stereo, ∅3.5 mm Jack
AUDIO IN Line input (Pin jack)
Digital input
Optical digital input (Optical terminal)
Format support LPCM

Format section

USB-A
USB standard USB 2.0 High Speed
USB Mass Storage class
Format Support

MP3/AAC	32, 44.1, 48 kHz/ 16 to 320 kbps
AIFF/ FLAC/WAV	32, 44.1, 48, 88.2, 96, 176.4, 192 kHz/ 16, 24 bits
DSD	2.8 MHz

USB-B
USB standard USB 2.0 High Speed
USB Audio Class specification
USB Audio Class 2.0, Asynchronous mode
Format Support

LPCM	32, 44.1, 48, 88.2, 96, 176.4, 192 kHz/ 16, 24 bits
DSD	2.8 MHz

DSD control mode ASIO Native mode, DoP mode

Speaker section

Speaker unit(s)
Woofer 14 cm cone type x 1
Tweeter 1.9 cm dome type x 1
Super tweeter 1.5 cm piezoelectric type x 1
Impedance 3 Ω
Dimensions (W x H x D) 161 mm x 238 mm x 262 mm
Mass Approx. 2.6 kg

Bluetooth® section

Bluetooth® System Specification
Bluetooth® Ver.2.1+EDR
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 Line of sight*4

*4: Prospective communication distance. Measurement environment: Temperature 25 °C/Height 1.0 m. Measure in “MODE 1”.

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

The product with the Hi-Res Audio logo is conformed to Hi-Res Audio standard defined by Japan Audio Society. The logo is used under license from Japan Audio Society.

FLAC Decoder
Copyright (C) 2000,2001,2002,2003,2004,2005,2006,2007, 2008,2009 Josh Coalson
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS “AS IS” AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

For Australia

Panasonic Warranty

1. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product, without charge for parts or labour, if in the opinion of Panasonic the product is found to have a manufacturing defect within one (1) year or (12 months) (the "warranty period") from the date of purchase appearing on your purchase receipt.

2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia, it's Authorised Distributors, or Dealers, and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to the services that are carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when the warranty service is requested.

3. This warranty only applies if the product has been installed and/or used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), exposure to abnormally corrosive conditions, or any foreign object or matter having entered the product.

4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:

   (a) Consumable parts
   (b) Cosmetic parts
   (c) Worn or damaged parts
   (d) Information stored on Hard Disk Drives, Optical Discs, USB Devices, SD Cards, Tapes
   (e) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)

5. Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover:

   (a) Internet and or DLNA connection / setup related problems
   (b) Access fees and or charges incurred for internet connection
   (c) Incompatible software or software not specifically stipulated in the product operations manual; and
   (d) Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.

6. To claim warranty service, when required, you should:

   - Contact Panasonic's Customer Care Centre on 132 600 for Service Centre information.
   - Confirm the opening and acceptance times with the Authorised Service centre that you choose.
   - Then send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt.
   - Any freight and insurance costs associated with the transport of the product to and/or from your nearest Authorised Service Centre must be arranged and paid for by you.

7. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freighting, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

Panasonic Authorised Service Centres are located in major metropolitan areas and most regional centres of Australia, however, coverage will vary dependant on product. For advice on exact Authorised Service Centre locations for your product, please telephone our Customer Care Centre on 132600 or visit our website and use the Service Centre Locator.

In addition to your rights under this warranty, Panasonic products come with consumer guarantees that cannot be excluded under the Australian Consumer Law. If there is a major failure with the product, you can reject the product and elect to have a refund or to have the product replaced or if you wish you may elect to keep the goods and be compensated for the drop in value of the goods. You are also entitled to have the product repaired or replaced if the product fails to be of acceptable quality and the failure does not amount to a major failure.

If there is a major failure in regard to the product which cannot be remedied then you must notify us within a reasonable period by contacting the Panasonic Customer Care Centre. If the failure in the product is not a major failure then Panasonic may choose to repair or replace the product and will do so in a reasonable period of time from receiving notice from you.

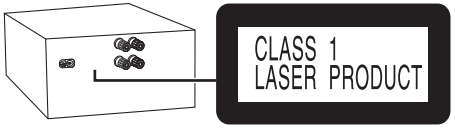
THIS WARRANTY CARD AND THE PURCHASE DOCKET (OR SIMILAR PROOF OF PURCHASE) SHOULD BE RETAINED BY THE CUSTOMER AT ALL TIMES

If you require assistance regarding warranty conditions or any other enquiries, please visit the Panasonic Australia website **www.panasonic.com.au** or contact by phone on **132 600**

If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited
ACN 001 592 187 ABN 83 001 592 187
1 Innovation Road, Macquarie Park NSW 2113
www.panasonic.com.au

PRO-031-F11 Issue: 5.0 23-01-2018



(Back of product)

Safety information for customers in Norway

NORSK

ADVARSEL!

Produkt

- For å redusere faren for brann, elektrisk støt eller skade på apparatet:
  - Dette apparatet må ikke utsettes for regn, fuktighet, drypp eller sprut.
  - Ikke plasser objekter som er fylt med væske, som vaser, på apparatet.
  - Bruk kun anbefalt tilbehør.
  - Fjern ikke deksler.
  - Dette apparatet må ikke repareres på egen hånd. Overlat servicearbeider til kvalifisert servicepersonell.

FORSIKTIG!

Produkt

- For å redusere faren for brann, elektrisk støt eller skade på apparatet:
  - Ikke plasser apparatet i en bokhylle, et innebygget kabinett eller et annet lukket sted. Pass på at apparatet er godt ventilert.
  - Apparatets ventilasjonsåpninger må ikke dekkes til med aviser, duker, gardiner eller lignende.
  - Plasser ikke åpen ild, slik som levende lys, oppå apparatet.
- Dette apparatet er beregnet for bruk under moderate klimaforhold.
- Nettstøpselet er trukket ut fra denne enheten. Installer denne enheten slik at nettstøpselet umiddelbart kan trekkes fra stikkontakten.
- Dette apparatet anvender en laser. Betjening av kontroller, justeringer eller andre inngrep enn de som er beskrevet i denne bruksanvisning, kan føre til farlig bestråling.

Manufactured by: Panasonic Corporation
Kadoma, Osaka, Japan
Importer for Europe: Panasonic Marketing Europe GmbH
Panasonic Testing Centre
Winsbergring 15, 22525 Hamburg, Germany

EU

Panasonic Corporation
Web Site: http://www.panasonic.com

En

© Panasonic Corporation 2019

TQBM0358
F0119MH0