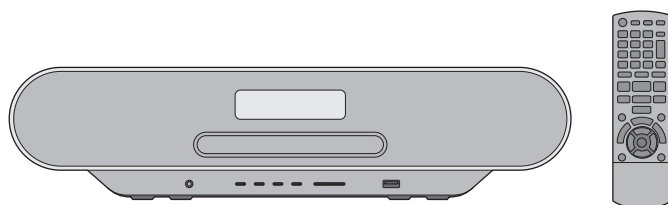# Panasonic®

Operating Instructions
Compact Stereo System

Model No. SC-RS52

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

Model number suffix "EB" denotes UK model.

EG EB GN

RQT0A76-B

Safety precautions

▮ WARNING

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

AC mains lead
- To reduce the risk of fire, electric shock or product damage,
  – Ensure that the power supply voltage corresponds to the voltage printed on this unit.
  – Insert the mains plug fully into the socket outlet.
  – Do not pull, bend, or place heavy items on the lead.
  – Do not handle the plug with wet hands.
  – Hold onto the mains plug body when disconnecting the plug.
  – Do not use a damaged mains plug or socket outlet.
- The mains plug is the disconnecting device.
  Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

▮ CAUTION

Unit
- 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.
- Do not place sources of naked flames, such as lighted candles, on this unit.
- 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 is intended for use in moderate climates.

Placement
- Place this unit on an even surface.
- 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 expose this unit to direct sunlight, high temperatures, high humidity, and excessive vibration.

Battery
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- Mishandling of batteries can cause electrolyte leakage and may cause a fire.
  – Remove the battery if you do not intend to use the remote control for a long period of time. Store in a cool, dark place.
  – Do not heat or expose to flame.
  – Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
  – Do not take apart or short circuit.
  – Do not recharge alkaline or manganese batteries.
  – Do not use batteries if the covering has been peeled off.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.

Product Identification Marking is located on the bottom of the unit.

Legal notice

Recording and playback of content on this (or any other) device may require permission from the copyright owner. Panasonic has no authority to and does not grant you that permission and explicitly disclaims any right, ability or intention to obtain such permission on your behalf. It is your responsibility to ensure that your use of this or any other device complies with applicable copyright law in your country.

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 fuse cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

Before use

Remove the connector cover.

How to replace the fuse

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

1. Open the fuse cover with a screwdriver.

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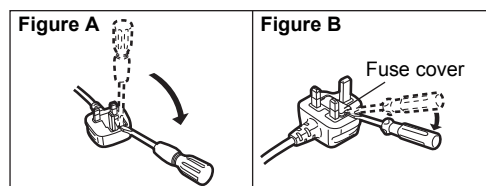
2. Replace the fuse and close or attach the fuse cover.

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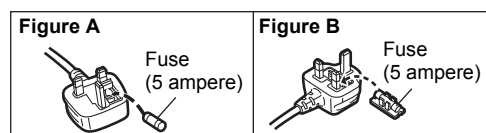
Accessories

Check the supplied accessories before using this unit.

☐ **1 Remote control**
(N2QAYB001073)

☐ **1 AC mains lead**
For the United Kingdom and Ireland:
(K2CT2YY00097)

For Continental Europe:
(K2CQ2YY00119)

For Australia and New Zealand:
(K2CJ2YY00101)

☐ **1 Battery for remote control**

☐ **1 DAB indoor antenna**
For the United Kingdom and Ireland:
(RFA3669)

For others:
(N1EYYY000015)

About descriptions in these operating instructions
● Pages to be referred to are indicated as "➜ ○○".
● Unless otherwise indicated, operations are described using the remote control. You can also use the controls on this unit if they are the same.
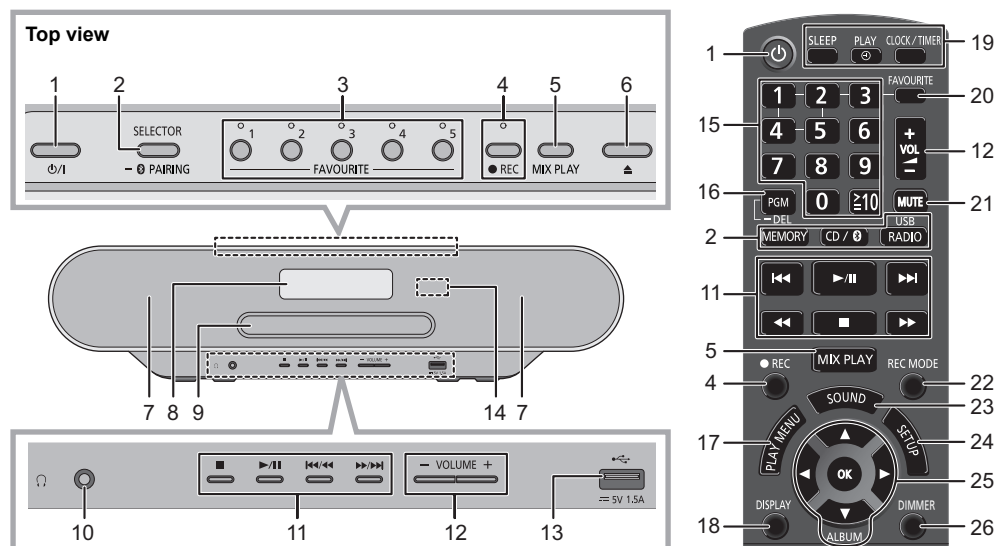
Table of contents

📖
● Do not use AC mains lead with other equipment.
● Product numbers provided in these operating instructions are correct as of January 2016. These may be subject to change.

Control reference guide

Top view

1. **Standby/on switch [⏻], [⏻/I]**
   Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

2. Select the audio source
   On this unit:

   "CD" ⟶ "MEMORY" ⟶ "DAB+"
   ↑   ↓
   "BLUETOOTH" ⟵ "USB" ⟵ "FM"

   ● Press and hold to enter pairing mode (➔ 7) or disconnect a Bluetooth® device (➔ 7).

   On the remote control:
   [MEMORY]: "MEMORY"

   [CD/🅑]: "CD" ↔ "BLUETOOTH"

   [RADIO, USB]: "DAB+" ⟶ "FM"
   ↖ "USB" ⟵┘

3. FAVOURITE buttons and indicators for favourite play / storing or selecting radio station ([1] to [5]) (➔ 9, 11, 12)

4. This unit: Record button and indicator (➔ 14)
   Remote control: Record button (➔ 14)

5. Start one-touch mix play (➔ 9)

6. Open or close the disc tray

7. Speakers
   ● These speakers do not have magnetic shielding. Do not place them near a TV, personal computer or other magnetic devices.

8. Display

9. Disc tray
   ● Do not put any object in front of the disc tray.

10. 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.

11. Basic playback control

12. Adjust the volume (0 (min) to 50 (max))

13. USB port (➔ 6)

14. Remote control signal sensor
    Distance: Within approx. 7 m directly in front
    Angle: Approx. 30° left and right

15. Select number
    ● To select a 2-digit number
      Example: 16: [≧10] → [1] → [6]
    ● To select a 3-digit number
      Example: 124: [≧10] → [≧10] →[1] → [2]→ [4]

16. Set the programme function / Delete a programmed track

17. Set the play menu item

18. Change the displayed information

19. Clock and timer operation

20. Set favourite play (➔ 9)

21. Mute the sound
    Press again to cancel. "MUTE" is also cancelled when the volume is adjusted or the unit is turned off.

22. Select recording mode (➔ 14)

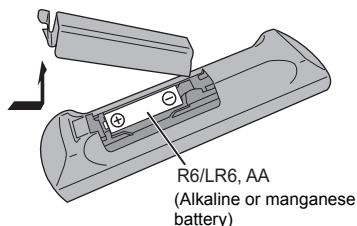23. Enter sound menu

24. Enter setup menu

25. Selection/OK

26. Dim the display panel and indicators
    Press again to cancel.

4

Using the remote control

Insert the battery so the terminals (+ and −) match those in the remote control.

R6/LR6, AA
(Alkaline or manganese battery)

Point it at the remote control signal sensor on this unit.
● To avoid interference, please do not put any objects in front of signal sensor.

Licenses

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.

MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

■ About recorded content

Please note that even if content is not recorded correctly due to any defects, Panasonic will not be responsible for compensation for such content, losses arising out of the recorded content, or any direct or indirect damage caused by such recording. The same also applies to repairing this unit.

Connections

Connect the AC mains lead after all other connections are completed.
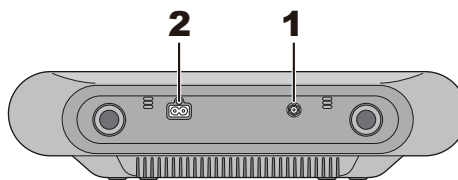
1 Connect the antenna.

This unit can receive DAB/DAB+ and FM stations with the DAB antenna.
● Tape the antenna to a wall or column in a position with the least amount of interference.
● If radio reception is poor, use a DAB outdoor antenna (not supplied).

Adhesive tape (not supplied)

Be sure to tighten the nut fully.

DAB indoor antenna (supplied)

2 Connect the AC mains lead.
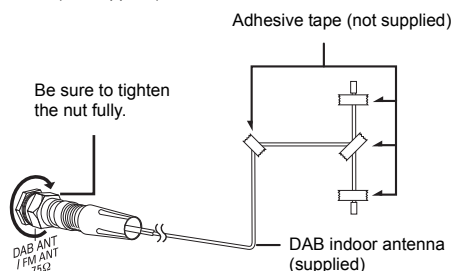
To a mains socket
AC mains lead (supplied)
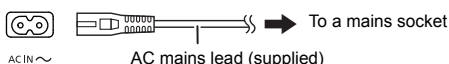
This unit consumes a small amount of AC power (➔ 21) even when turned off.
● In the interest of energy conservation, if you will not be using this unit for an extended period of time, unplug it from the mains socket.
● Some settings will be lost after you disconnect the system. You have to set them again.

5

RQT0A76

Inserting media

Inserting a disc

1 Press [▲] on this unit to open the disc tray.

2 Put in a disc with the label facing up.

3 Press [▲] again to close the disc tray.

Connecting a USB device

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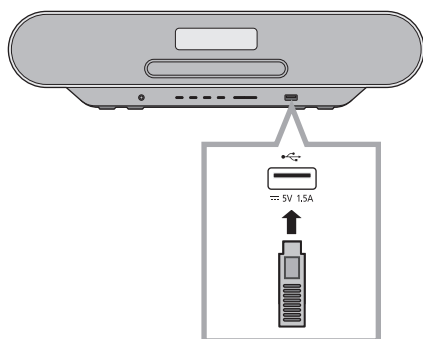
● Please disconnect the USB device if you finish using.
● Before removing the USB device, select a source other than "USB".

Charging a device

Charging starts when a device (rated value: DC 5 V/ 1.5 A) is connected to the USB port of this unit.

1 Turn the unit on.

2 Select a source other than "USB".

3 Connect a device.
   ● Confirm from the screen of the connected device, etc. to make sure charging has started.
   ● After the device has started charging, you can turn the unit to standby mode.
      – When charging a depleted device, do not turn the unit to standby mode until the device becomes operational.

USB cable
(not supplied)

To the compatible device
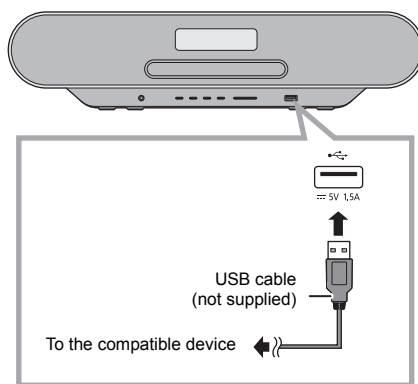
● A cable compatible with your device is required. Use the cable that comes with your device.
● Even if you connect a cable compatible with the USB port of this unit, your device may not be charged. In that case, use the charger that comes with the device.
● Depending on your device, using other chargers may not work. Check the operating instructions of your device before use.
● Do not connect a device with a rated value higher than 5 V/ 1.5 A to this unit.
● To check if charging is complete, look at the screen of the connected device, etc.
● Once fully charged, remove the USB cable from the USB port.

● When moving this unit, be sure to remove all media and turn this unit to standby mode.

Bluetooth® operations

You can listen to the sound from the Bluetooth® audio device from this unit 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 [CD/] repeatedly 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 "SC-RS52" from the Bluetooth® device's Bluetooth® menu.
● The MAC address (e.g., 6C:5A:B5:B3:1D:0F) may be displayed before "SC-RS52" 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 [CD/] repeatedly to select "BLUETOOTH".
● "READY" is indicated on the display.

2 Select "SC-RS52" 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.

📖
● 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 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 [CD/] repeatedly 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

📖
● 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"
　↑_____↑

📖
● 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].

📖
● 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.

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 the 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).

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 (➔ 18)
MEMORY :	Internal memory (This unit is pre-recorded with a sample music under each (FAVOURITE) [1] to [5]. About recording to the internal memory, refer to page 14.)
USB :	USB devices containing MP3 files (➔ 18)
BLUETOOTH :	Connected Bluetooth® device (➔ 7)

Basic play
(CD , MEMORY , USB , BLUETOOTH)

Preparation
● Turn the unit on.
● Insert the media or connect the Bluetooth® device. (➔ 6, 7)

1 Select the audio source.

For disc:
  Press [CD/ 🔵] repeatedly to select "CD".
For internal memory:
  Press [MEMORY] to select "MEMORY".
For USB device:
  Press [RADIO, USB] repeatedly to select "USB".
For Bluetooth® device:
  Press [CD/ 🔵] repeatedly to select "BLUETOOTH".

(When selecting using this unit, press [SELECTOR, ─ 🔵 PAIRING] repeatedly.)

2 Press [▶/❚❚] to start playback.
● MEMORY : When you start play with [▶/❚❚], playback starts from the first track to the last track in the internal memory.

Basic controls

Stop	Press [■]. ● MEMORY , USB : The position is memorised and "RESUME" is displayed. ● MEMORY , USB : Press [■] twice to stop the playback fully. – MEMORY : Favourite play and one-touch mix play will be cancelled. (➔ 9)
Pause	Press [▶/❚❚]. Press again to continue playback.
Skip	Press [❙◀◀] or [▶▶❙] to skip track. (This unit: [❙◀◀/◀◀] or [▶▶/▶▶❙]) CD (MP3), MEMORY , USB Press [▲] or [▼] to skip the album. ● MEMORY : When using the favourite play function, you can only skip track or album within the selected number for (FAVOURITE) [1] to [5].
Search	During play or pause, press and hold [◀◀] or [▶▶]. (This unit: [❙◀◀/◀◀] or [▶▶/▶▶❙])

∎ To display information ([CD], [MEMORY], [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. [MEMORY]

"M☐-A☐T☐☐☐": The number for (FAVOURITE) [1] to [5], the number of albums, the number of tracks

(e.g. "M1-A2T030" indicates that (FAVOURITE) [1] consists of 2 albums and 30 tracks.)

e.g. [USB] (MP3)

"A☐☐☐": Album number
"T☐☐☐": Track number

(" ☐ " stands for a number.)
" 📁 ": Album　" ♪ ": Track

📖

● 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], [MEMORY], [USB]:Tracks can be selected by pressing the numeric buttons.
● Maximum number of displayable characters: Approx. 32
● This system supports ver. 1 and 2 ID3 tags.
● Text data that is not supported will not be displayed or will be shown differently.

Favourite play ([MEMORY])

You can play your favourite internal memory contents stored under one of (FAVOURITE) [1] to [5].

Preparation
Turn the unit on.

1 Press [MEMORY] to select "MEMORY".

2 Press [FAVOURITE] and then press one of [1] to [5] on the remote control.
● Alternatively, press one of (FAVOURITE) [1] to [5] on this unit.

One-touch mix play ([MEMORY])

You can turn the unit on, and start playing all the contents in the internal memory randomly and repeatedly, with a single press of a button.

Press [MIX PLAY].
● Playback will start and "MIX PLAY" will be shown for a few seconds.
● The audio source will change to "MEMORY" automatically.
● "RND" and " ⟲ " are displayed.

Playback modes ([CD], [MEMORY], [USB])

Select the playback mode.

1 Press [PLAY MENU] repeatedly 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 album. ● Press [▲] or [▼] to select the album. ● "1", "▰" is displayed.
RANDOM	Plays the contents randomly. ● "RND" is displayed.
1-ALBUM RANDOM	Plays the tracks in the selected album randomly. ● Press [▲] or [▼] to select the album. ● "1", "▰", "RND" is displayed.

REPEAT

ON REPEAT	Turns on repeat mode. ● "⟲" is displayed.
OFF REPEAT	Turns off repeat mode.

📖

● During random playback, you cannot skip to tracks which have been played or press the numeric buttons.
● Playmode function does not work with "Programme play".
● The mode is cancelled when you open the disc tray, remove the USB device, or start recording.
● [MEMORY]: When using the one-touch mix play function, [PLAY MENU] does not work.

Programme play ([CD], [MEMORY], [USB])

This function allows you to programme 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 programme other tracks.

3 Press [►/❚❚] to start playback.

[CD] (MP3), [USB], [MEMORY]

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 programme other tracks.

5 Press [►/❚❚] to start playback.

Check programme contents	Press [❙◄◄] or [►►❙] in the stop mode.
Clear the last track	Press and hold [PGM, −DEL] in the stop mode.
Cancel programme 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. "CLR ALL" is shown. Within 5 seconds, press [■] again.

📖

• The programme memory is cleared when you open the disc tray, remove the USB device, or start recording.

Listening to FM radio

You can preset up to 30 channels.
Channel 1 to 5 will be set as the favourite stations
under (FAVOURITE) [1] to [5]. (➔ right, "Changing the
stations stored under (FAVOURITE) [1] to [5]")

Preparation
● Make sure that the antenna is connected. (➔ 5)
● Turn the unit on.
● Press [RADIO, USB] repeatedly to select "FM".

Presetting stations automatically

1 Press [PLAY MENU] to select "A.PRESET".
2 Press [◀, ▶] to select "LOWEST" or "CURRENT"
and then press [OK].

LOWEST:
To begin auto preset with the lowest frequency
("FM 87.50").

CURRENT:
To begin auto preset with the current frequency.*1
● The tuner starts to preset all the stations it can receive
into the channels in ascending order.

*1: To change the frequency, refer to "Manual tuning".

Listening to a preset channel

Press the numeric buttons, [◀◀] or [▶▶|] to select
the preset station.
● Alternatively, press [|◀◀/◀◀] or [▶▶/▶▶|] on this unit
when "PRESET" is selected as the tune mode*2.
● You can select channel 1 to 5 by pressing one of
(FAVOURITE) [1] to [5] on this unit.

■ Manual tuning

Press [◀◀] or [▶▶] to tune in to the station.
● Alternatively, press [|◀◀/◀◀] or [▶▶/▶▶|] on this 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: To change the tune mode
1 Press [PLAY MENU] repeatedly to select "TUNE
MODE".
2 Press [◀, ▶] to select "MANUAL" or "PRESET", and
then press [OK].

Presetting stations manually

1 While listening to the radio broadcast
Press [PGM, −DEL].

2 Press the numeric buttons to select a preset
number.
● Do steps 1 through 2 again to preset more stations.

📖

● A station previously stored is overwritten when another
station is stored in the same channel preset.

Changing the stations stored under (FAVOURITE) [1] to [5]

You can change the stations stored under
(FAVOURITE) [1] to [5] easily.

While listening to the radio broadcast
Press and hold one of [1] to [5] until "P □" appears on
the display.

(" □ " stands for a number.)

📖

● When you change the stations stored under (FAVOURITE)
[1] to [5], channel 1 to 5 are also changed to the same
corresponding stations.

■ To display the current FM signal status

For Continental Europe:
Press [DISPLAY] repeatedly to select "FM STATUS".

For others:
Press [DISPLAY].

"FM ST": The FM signal is tuned and in stereo.
"FM - - - -": There is no tuned signal or the FM signal
is in monaural.
"FM MONO": "MONO" is selected as the "FM MODE".
(➔ 19, "If noise is excessive during FM
reception.")

📖

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

■ To display RDS text data
(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

📖

● RDS is available only when stereo works in reception.
● RDS may not be available if reception is poor.

Listening to DAB/DAB+

Preparation
● Make sure that the DAB antenna is connected. (➔ 5)
● Turn the unit on.
● Press [RADIO, USB] repeatedly to select "DAB+".

Memorising stations

To listen to DAB/DAB+ broadcasts, the available stations need to be memorised in this unit.
● This unit will automatically start the "DAB AUTO SCAN" and memorise the stations that are available in your region if you select "DAB+" for the first time.

📖
● "SCAN FAILED" is displayed when the auto scan is unsuccessful. Locate the position with the best reception (➔ 13, "To verify or improve the signal reception quality") and then re-scan DAB/DAB+ stations.

■ To re-scan DAB/DAB+ stations

When new stations are added or when the antenna has been moved, reperform the auto scan.

1 Press [PLAY MENU] to select "AUTOSCAN" and then press [OK].

2 While "START?" is flashing, Press [OK].

📖
● When updating the station memory with the auto scan, preset stations will be erased. Preset them again (➔ below).

Listening to the memorised stations

Press [◄◄] or [►►] to select a station.
● Alternatively, press [I◄◄/◄◄] or [►►/►►I] on this unit when "STATION" is selected as the tune mode*1.

Presetting DAB/DAB+ stations

You can preset up to 20 DAB/DAB+ channels. Channel 1 to 5 will be set as the favourite stations under (FAVOURITE) [1] to [5]. (➔ right, "Changing the stations stored under (FAVOURITE) [1] to [5]")

1 While listening to a DAB/DAB+ broadcast Press [PGM, −DEL].

2 Press the numeric buttons to select a preset number.

📖
● You cannot preset stations when the station is not broadcasting or when the secondary service is selected.
● The station occupying a channel is erased if another station is preset in that channel.

Changing the stations stored under (FAVOURITE) [1] to [5]

You can change the stations stored under (FAVOURITE) [1] to [5] easily.

While listening to a DAB/DAB+ broadcast
Press and hold one of [1] to [5] until "P □" appears on the display.

(" □ " stands for a number.)

📖
● When you change the stations stored under (FAVOURITE) [1] to [5], channel 1 to 5 are also changed to the same corresponding stations.

Listening to preset DAB/DAB+ stations

Press the numeric buttons, [I◄◄] or [►►I] to select the preset station.
● Alternatively, press [I◄◄/◄◄] or [►►/►►I] on this unit when "PRESET" is selected as the tune mode*1.
● You can select channel 1 to 5 by pressing one of (FAVOURITE) [1] to [5] on this unit.

*1: To change the tune mode
　1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
　2 Press [◄, ►] to select "STATION" or "PRESET", and then press [OK].

📖
● To select by preset, make sure that stations have already been preset manually.
● To add additional preset stations, select the station using the method mentioned in "Listening to the memorised stations" (➔ left).

Listening to the secondary service

Some DAB/DAB+ stations provide a secondary service as well as the primary service. If the station you are listening to is providing secondary service, "▼" will be displayed.

1 While "▼" is displayed
Press [PLAY MENU] repeatedly to select "DAB SECONDARY".

2 Press [◄, ►] to select the secondary service and press [OK].

📖
● The setting will go back to primary service when changes are made (e.g. the station is changed).

Display

Press [DISPLAY] to change the display.

The information will scroll through the display.
Each time you press the button:

Dynamic label:	Information about the broadcast
PTY display:	Programme type
Ensemble label:	The name of the ensemble
Frequency display:	The frequency block and frequency is displayed.
Time display:	Current time

Automatic clock adjustment

If the DAB/DAB+ broadcast includes time information, this unit's clock will be automatically updated.

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

2 Press [◀, ▶] to select "ON ADJUST" and then press [OK].

📖
● Select "OFF ADJUST" to turn the automatic clock adjustment function off.

To verify or improve the signal reception quality

To check the signal reception quality, at least 1 frequency block needs to be successfully memorised.
● If "SCAN FAILED" is displayed after "DAB+" is selected or after an auto scan, proceed to "Manually tuning 1 frequency block" (➜ below)
● If stations have already been memorised to this unit, proceed to "Checking the DAB/DAB+ signal reception quality" (➜ right)

■ Manually tuning 1 frequency block

Use this function to scan 1 frequency block after adjusting the position of the DAB antenna.

Preparation
Note down a frequency block that can be received in your region (e.g., 12B 225.648 MHz).

1 While "SCAN FAILED" is displayed.
Adjust the position of the DAB antenna.

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

3 Press [◀, ▶] to select the frequency block that is receivable in your region and then press [OK].

📖
● If broadcasting stations are memorised, proceed to "To re-scan DAB/DAB+ stations" to memorise stations on other frequency blocks. (➜ 12)
● If "SCAN FAILED" is still displayed, repeat steps 1 to 3 until a station is memorised. If the situation does not improve, try using an outdoor DAB antenna or consult your dealer.

■ Checking the DAB/DAB+ signal reception quality

1 While listening to the DAB/DAB+ broadcast:
Press [PLAY MENU] repeatedly to select "SIGNAL QUALITY" and then press [OK].

● The current frequency block is displayed and then the reception quality is indicated.

Reception quality
0 (poor) – 8 (excellent)

2 If the signal reception quality is poor, move the antenna to a position where the reception quality improves.

3 To continue checking the quality of other frequency blocks:
Press [◀, ▶] again and select the desired frequency.

4 Press [OK] to exit.

📖
● If the antenna has been adjusted, perform auto scanning and update the station memory. (➜ 12)

13

RQT0A76

Recording a CD to the internal memory

You can record a CD to this's internal memory.
The recordings will be stored under your selected
number for (FAVOURITE) [1] to [5].
The CD recording duration is the same as its playback
duration in order to record in high quality. Enjoy the
playback while recording.

- Supported recording source:
  A disc with CD audio in CD-DA format
- This unit is pre-recorded with a sample music under
  each (FAVOURITE) [1] to [5]. Overwrite the
  pre-recorded content when "TO OVERWRITE,
  PRESS REC" is displayed during the recording
  procedure. (➜ right)
  – You can also delete the content before recording. (➜ 15,
  "Deleting the internal memory contents ([MEMORY])")

Preparation
- Turn the unit on.
- Load a disc.
- Press [CD/ 🅑] repeatedly to select "CD".
- Select the recording mode. (➜ below)

> Do not disconnect the AC mains lead while
> recording.

📖

- You cannot check the remaining capacity in the internal
  memory.
- When recording starts, the playback mode and programme
  settings will be cleared.
- During recording, only limited operation controls are
  available, such as volume adjustment, stop recording,
  turning the unit off.

Selecting the recording mode

You can choose from 2 recording modes.

Press [REC MODE] repeatedly to select the desired
recording mode.

"HQ 1-CD" mode	For normal CD recording in high quality sound. You can record 1 CD under each (FAVOURITE) [1] to [5].
"MULTI-CD" mode	For recording a disc album consisting of several CDs. You can record up to 5 CDs under each (FAVOURITE) [1] to [5] (depending on the CD playback duration).

📖

- The factory default is "HQ 1-CD".
- You cannot record by two types of recording mode within
  each (FAVOURITE) [1] to [5].

Normal CD recording in high quality sound ("HQ 1-CD" mode)

1 Press [● REC] in the stop mode.
- "SELECT NUMBER" is displayed.

2 Press one of [1] to [5] for storing your recording.

■ **If there is recorded content under the selected number**
- "TO OVERWRITE, PRESS REC" is indicated
  on the display.
  – To overwrite the recorded contents, press
  [● REC] to proceed recording.
  – To cancel, press [■].

■ **If there is no recorded content under the selected number**
- Recording will start.

- When recording starts, the [● REC] indicator on
  this unit will light up in red.

To check recording has finished
When recording ends, "WRITING" blinks on the display
for a few seconds. Then, the [● REC] indicator on this
unit goes off.

To stop recording
Press [■].
- The recording will stop at the position [■] is pressed.

Recording a disc album consisting of several CDs ("MULTI-CD" mode)

1 Press [● REC] in the stop mode.
- "SELECT NUMBER" is displayed.

2 Press one of [1] to [5] for storing your recording.
- When recording the subsequent CD of the disc album,
  select same number as your first recorded CD.

■ **When recording the first CD**
If there is recorded content under the
selected number:
- To overwrite the recorded contents, press
  [▲, ▼] to select "TO OVERWRITE, PRESS
  REC" and then press [● REC] to proceed
  recording.
- To cancel, press [■].

If there is no recorded content under the
selected number:
- Recording will start.

■ **When recording the subsequent CD**
- "TO ADD SONGS, PRESS REC" is indicated
  on the display.
  – To add the current recording under the
  selected numeric button, press [● REC].
  – To cancel, press [■].

- When recording starts, the [● REC] indicator on
  this unit will light up in red.

3 Check that recording has finished.
- When recording ends, "WRITING" blinks on the display for a few seconds. Then, the [● REC] indicator on this unit goes off.

4 To record the next CD, replace the CD and repeat from step 1.

To stop recording

Press [■].
- The recording will stop at the position [■] is pressed.

■ **Deleting the internal memory contents (|MEMORY|)**

1 Press [MEMORY] to select "MEMORY".

2 While in stop mode, press [SETUP] repeatedly to select "DEL MODE".

3 Press [◄, ►] to select "1-MEM DEL" or "ALL DEL" and then press [OK].

1-MEM DEL	To delete the recorded contents under one of (FAVOURITE) [1] to [5].
ALL DEL	To delete all the recorded contents in the internal memory. (All contents under (FAVOURITE) [1] to [5] will be deleted.)

4 **When "1-MEM DEL" is selected**
((FAVOURITE) [1] to [5] indicators on this unit blink)
Press one of [1] to [5] containing the contents you want to delete.

When "ALL DEL" is selected
((FAVOURITE) [1] to [5] indicators on this unit light up)
Go to step 5.

5 Press [OK] to confirm the deletion.
- To cancel, press [■].
"DELETING" blinks on the display when you have proceeded with the deletion.

Do not disconnect the AC mains lead while "DELETING" is displayed. Failure to do so may cause the internal memory to be corrupted.

Sound adjustment

The following sound effects can be added to the audio output.

1 Press [SOUND] repeatedly to select the effect.

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

"MY SOUND" (My sound)	"SOUND 1", "SOUND 2", or "SOUND 3". (→ below, "Saving the sound settings")
"PRESET EQ" (Preset Equalizer)	"HEAVY" (heavy), "SOFT" (soft), "CLEAR" (clear), "VOCAL" (vocal) or "FLAT" (flat/off).
"BASS" (Bass) or "TREBLE" (Treble)	Adjust the level (−4 to +4).
"D.BASS" (Dynamic Bass)	"ON D.BASS" or "OFF D.BASS".
"SURROUND" (Surround)	"ON SURROUND" or "OFF SURROUND".
"CLEAR-MODE DIALOG" (Clear-mode Dialogue)	"ON" or "OFF".

- You may experience a reduction in sound quality when these effects are used with some sources. If this occurs, turn the sound effects off.

Saving the sound settings

You can save your desired sound settings to "SOUND 1", "SOUND 2" or "SOUND 3" as "MY SOUND".

1 Adjust your desired sound effects. (→ above)

2 Press [SETUP] to select "SAVE MY SOUND".

3 Press [◄, ►] to select a setting number and then press [OK].
- "SAVED" is displayed.
- The sound settings previously saved will be replaced when you save new settings to the same setting number.

Recalling the sound settings you have saved

1 Press [SOUND] to select "MY SOUND".

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

Clock and Timer

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].

📖

● The clock is reset when there is a power failure or when the AC mains lead is removed.
● Reset the clock regularly to maintain accuracy.

Sleep timer

The sleep timer can turn the unit off after a set time.

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

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

📖

● The remaining time is indicated on the unit's display at every minute except when other operations are performed.
● The play timer and sleep timer can be used together. The sleep timer is always the main timer on the unit.

Play timer

You can set the timer so this unit turns on at a certain time every day.

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.

3 Press [⏻] to turn the unit to standby mode.

■ To check the settings

Press [CLOCK/TIMER] repeatedly to select "TIMER ADJ".
(During standby, press [CLOCK/TIMER] twice.)

📖

● 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 turn off the unit and turn it on again while a timer is in operation, the timer will not stop at the end time.
* "CD", "USB", "MEMORY", "DAB+" and "FM" can be set as the music source.

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].

📖

● 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.

Bluetooth® standby

When "SC-RS52" 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].

📖

● 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.

Changing the unit and remote control code

When other Panasonic equipment responds to the supplied remote control, change the remote control code.

1 Press [CD/ 🔧] repeatedly to select "CD".

2 Press and hold [■] on the unit and [2] on the remote control until the unit's display shows "REMOTE 2".

3 Press and hold [OK] and [2] on the remote control for at least 4 seconds.

📖

● To change the mode back to "REMOTE 1", repeat the steps above but replace [2] with [1].

Software update

Occasionally, Panasonic may release updated software for this system 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.

Playable media

Compatible CD

● A disc with the CD Logo.

COMPACT
disc
DIGITAL AUDIO

● This unit 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).

📖

● 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.

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 format: Files with the extension ".mp3" or ".MP3".
● Depending on how you create the files, they may not play in the order you numbered them or may not play at all.

📖

● 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

Unit and media care

Pull out the AC mains lead from the outlet before maintenance.

■ Clean this unit with a soft, dry cloth

● When dirt is heavy, wring a wet cloth tightly to wipe the dirt, and then wipe it with a dry cloth.
● When cleaning the speaker covers, use a fine cloth. Do not use tissues or other materials that can fall apart. Small pieces may get stuck inside the speaker cover.
● Never use alcohol, paint thinner or benzine to clean this unit.
● Before using chemically treated cloth, carefully read the cloth's instructions.

■ Clean discs

DO   **DO NOT**

Wipe with a damp cloth and then wipe dry.

■ Disc handling precautions

● Handle discs by the edges to avoid inadvertent scratches or fingerprints on the disc.
● Do not attach labels or stickers to discs.
● Do not use record cleaning sprays, benzine, thinner, static electricity prevention liquids or any other solvent.
● Do not use the following discs:
  – Discs with exposed adhesive from removed stickers or labels (rented discs etc.).
  – Discs that are badly warped or cracked.
  – Irregularly shaped discs, such as heart shapes.

■ To dispose or transfer this unit

The unit may keep the user settings information in the unit. If you discard this unit either by disposal or transfer, then follow the procedure to delete the internal memory contents with "ALL DEL" mode, and then return all the settings to the factory defaults to delete the user settings.
(➜ 15, "Deleting the internal memory contents (MEMORY)").
(➜ 19, "To return all settings to the factory defaults")

Troubleshooting

Before requesting service, make the following checks. If you are uncertain about some of the check points, or if the solutions indicated in the following guide does not resolve the issue, then consult your dealer for instructions.

To return all settings to the factory defaults

Perform this procedure when the following situations occur:
● There is no response when buttons are pressed.
● You want to clear and reset the settings.

① Disconnect the AC mains lead. (Wait for at least 1 minute before proceeding to step ②.)

② While pressing and holding down [Í/I] on the unit, reconnect the AC mains lead.
   ● "INITIALIZING" appears on the display.
   ● Keep holding down [Í/I] until "---------" appears on the display.

③ Release [Í/I].

● All the settings are returned to the factory defaults. You will need to make the settings again.
● The recorded contents in the internal memory are maintained.
  – You cannot restore the pre-recorded sample contents.

General

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

Humming heard during playback.
● If an AC mains lead or fluorescent lights are near the cords, then keep other appliances and cords away from the cables.

The unit does not work.
● One of the unit's safety devices may have been activated.
  ① Press [Í/I] on the unit to switch the unit to standby.
     ● If the unit does not switch to standby, press and hold [Í/I] on the unit for approximately 10 seconds. The unit is forcibly switched to standby. Alternatively, disconnect the AC mains lead, wait for at least 1 minute, then reconnect it.
  ② Press [Í/I] on the unit to switch it on. If the unit still cannot be operated, consult the dealer.

Charging does not start.
● Select a source other than "USB".
● If charging does not start during standby mode:
  Turn the unit on. Check the charging has started, and then turn the unit to standby mode. (➜ 6)

Noise is heard or the sound is interrupted.
● Make sure not to place any device which uses radio frequency (e.g. mobile phone, etc.) on top of this unit.

Remote control

The remote control does not work properly.
● The battery is depleted or inserted incorrectly. (➜ 5)

Disc

Incorrect display or play does not start.
● Make sure that the disc is compatible with this unit. (➜ 18)
● There is moisture on the lens. Wait for about an hour and then try again.

USB

No response when [▶/❚❚] is pressed.
● Disconnect the USB device and then reconnect it. Alternatively, turn the unit off and on again.

The USB drive or its contents cannot be read.
● The USB drive format or its contents is/are not compatible with the unit (➜ 18).
● The USB host function of this product may not work with some USB devices.

Slow operation of the USB flash drive.
● Large file size or high memory USB flash drive takes longer time to read.

The elapsed time displayed is different from the actual play time.
● Copy the data to another USB device or backup the data and reformat the USB device.

Radio

DAB/DAB+ reception is poor.
● Keep the antenna away from computers, televisions, other cables and cords.
● Use an outdoor antenna.

If noise is excessive during FM reception.
● Change the audio to be output as monaural.
  ① Press [PLAY 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".

Static or noisy reception is heard while listening to a radio broadcast.
● Confirm the antenna is properly connected. (➜ 5)
● Adjust the position of the antenna.
● Try to keep a certain amount of distance between the antenna and AC mains lead.
● Try using an outdoor antenna if there are buildings or mountains nearby.
● Turn the TV or other audio players off or separate it from this unit.
● Keep this unit away from mobile phones if there is interference.

Bluetooth®

Pairing cannot be completed.
● Check the Bluetooth® device condition.

The device cannot be connected.
● The pairing of the device was unsuccessful or the registration has been replaced. Try re-pairing the device. (➜ 7)
● This unit might be connected to a different device. Disconnect the other device and try re-pairing the device. (➜ 7)
● If the problem persists, turn the unit off and on, then try again.

The device is connected, but audio cannot be heard through this unit.
● For some built-in Bluetooth® devices, you have to set the audio output to "SC-RS52" manually. Read the operating instructions for the device for details.

The sound is interrupted.
● The device is out of the 10 m communication range. Place the Bluetooth® device closer to this unit.
● Remove any interference between this unit and the device.
● Other devices that use the 2.4 GHz frequency band, such as wireless routers, microwaves, cordless phones, etc. are interfering. Place the Bluetooth® device closer to this unit and distance it from the other devices.
● Select "MODE 1" for stable communication. (➜ 7)

19

Messages

The following messages or service numbers may appear on the unit's display.

"--:--"
● You plugged the AC mains lead in for the first time or there was a power failure recently. Set the time (➔ 16).

"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 within a minute. Press any button to cancel it.

"CHANGE TO CD MODE"
● You can only perform recording when "CD" is selected as the source. Press [CD/🅑] repeatedly to select "CD". (➔ 14)

"ERROR"
● Incorrect operation is performed. Read the instructions and try again.

"F☐☐" / "F☐☐☐" (" ☐ " stands for a number.)
● There is a problem with this unit.
  Write down the displayed number, disconnect the AC mains lead and consult your dealer.

"INITIALIZING"
● The system is carrying out an initializing process. When the process is complete, "COMPLETE" or "---------" will be shown for a few seconds. Wait until the message disappears.

"LINKING"
● This system is trying to connect to the last connected Bluetooth® device when "BLUETOOTH" is selected.

"M☐ FULL" (" ☐ " stands for a number.)
● The selected number for (FAVOURITE) [1] to [5] has stored contents from 5 CDs. You cannot record more than 5 CDs. Delete its contents before making new recordings. (➔ 15)

"MEMORY ERROR"
● Turn the unit off and disconnect the AC mains lead. Wait for at least 1 minute, then reconnect the AC mains lead. Turn the unit on and try again.
  If the problem persists, the contents in the internal memory are corrupted. Delete the internal memory contents with "ALL DEL" mode (➔ 15), and make your recordings again.

"MEMORY FULL"
● There is insufficient space in the internal memory.
  Delete the recorded contents before making new recordings. (➔ 15)

"NO DEVICE"
● The USB device is not inserted correctly. Read the instructions and try again (➔ 6).

"NO DISC"
● Insert the disc to be played (➔ 6).

"NO PLAY"
● A CD that is not in CD-DA or MP3 format is inserted. It cannot be played.
● Examine the content. You can only play supported format. (➔ 18)
● 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"
● There are no preset DAB/DAB+ stations to select. Preset some channels. (➔ 12)

"NO SIGNAL"
● This station cannot be received. Check your antenna (➔ 5).

"NO TRACK"
● There is no track in the USB device, the internal memory, or under the selected number for the internal memory.

"NOT SUPPORTED"
● You have connected an unsupported USB device.
● If you have connected a device for charging, select a source other than "USB".

"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"/"USB"/"MEMORY" information. After this display has disappeared, start operating.

"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"
● Stations are not receivable. Check your antenna and try Auto scanning (➔ 12).
  If "SCAN FAILED" is still displayed find the best signal reception with the "MANUAL SCAN" tuning function. (➔ 13)

"SCMS CD CAN'T REC"
● The disc is copy-protected and cannot be recorded.

"SOUND ☐ NOT SET" (" ☐ " stands for a number.)
● There is no saved setting under the selected sound setting number. Save the sound settings. (➔ 15)

"TRY ME"
● This unit is in demo mode. Please return all settings to the factory defaults. (➔ 19)

"USB OVER CURRENT ERROR"
● The USB device is drawing too much power. Select a source other than "USB", remove the USB and turn the unit off.

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

Specifications

■ GENERAL

Power consumption	24 W
Power consumption in standby mode	
(When "BLUETOOTH STANDBY" is "OFF")*1	
	Approx. 0.3 W
(When "BLUETOOTH STANDBY" is "ON")*1	
	Approx. 0.4 W
Power supply	AC 220 V to 240 V, 50 Hz

Dimensions (W×H×D)

450 mm×107 mm×250 mm

Mass	Approx. 3.1 kg
Operating temperature range	0 °C to +40 °C
Operating humidity range	
	35 % to 80 % RH (no condensation)

■ AMPLIFIER SECTION

Output power
  RMS Output Power
    Front Ch (both ch driven)
      20 W per channel (8 Ω), 1 kHz, 10 % THD
    Total RMS power 40 W

■ TUNER SECTION

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

■ DAB SECTION

DAB memories 20 channels
Frequency Band (Wavelength)
  Band III 5A to 13F
    (174.928 MHz to 239.200 MHz)
Sensitivity *BER 4x10^-4
  Min Requirement −98 dBm
DAB External Antenna
  Terminal F - Connector (75 Ω)

■ DISC SECTION

Disc played (8 cm or 12 cm)
  CD, CD-R/RW (CD-DA, MP3*2)
Pick up
  Wavelength 790 nm (CD)
  NORSK *(NORWAY)*
  Bølgelengde 790 nm (CD)
  Laserstyrke Ingen farlig stråling sendes ut

■ INTERNAL MEMORY SECTION

Memory
  Memory size 4 GB
    (Equivalent for total storage of 5 CDs recorded in
    "HQ 1-CD" mode)*3
Memory record
  Recording file format
    WAV (∗.wav) / "HQ 1-CD" mode,
    MP3*2 (∗.mp3) / "MULTI-CD" mode
  Bit rate 1141 kbps (WAV),
    320 kbps (MP3*2)
  Memory recording speed 1×

■ SPEAKER SECTION

Speaker unit(s)
  Full Range 6.5 cm Cone type×2
Impedance 8 Ω

■ TERMINAL SECTION

USB Port
  USB port power DC 5 V 1.5 A
  USB Standard USB 2.0 High Speed
  Media file format support MP3*2 (∗.mp3)
  Audio Support format
    MP3*2
      Sampling frequency 32/44.1/48 kHz
      Audio word size 16 bits
      Channel count 2 ch
  USB device file system FAT12, FAT16, FAT32
Headphones Stereo, 3.5 mm jack

■ Bluetooth® SECTION

Version	Bluetooth® Ver.2.1+EDR
Class	Class 2
Supported Profiles	A2DP, AVRCP
Frequency band	2.4 GHz band FH-SS
Operation Distance	10 m Line of sight
Supported Codec	SBC

📖

- Specifications are subject to change without notice.
- Mass and dimensions are approximate.
- Total harmonic distortion is measured by a digital spectrum analyser.
*1: No device is connected to the USB port before turning to standby mode.
*2: MPEG-1 Layer 3, MPEG-2 Layer 3
*3: Equivalent for total storage of 25 CDs of 70-min disc recorded in "MULTI-CD" mode.

**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.

Safety information for customers in the EU

CE1177

Declaration of Conformity (DoC)
Hereby, "*Panasonic Corporation*" declares that this product is in
compliance with the essential requirements and other relevant
provisions of Directive 1999/5/EC.
Customers can download a copy of the original DoC to our R&TTE
products from our DoC server:
http://www.doc.panasonic.de
Contact to Authorised Representative: Panasonic Marketing Europe
GmbH,
Panasonic Testing Centre, Winsbergring 11, 22525 Hamburg, Germany

Safety information for customers in Norway

NORSK

ADVARSEL

Produkt
● For å redusere faren for brann, elektrisk støt eller skade på
apparatet:
– Utsett ikke produktet for regn, fukt, drypping eller sprut.
– Ikke plasser objekter som er fylt med væske, som vaser,
på apparatet.
– Bruk kun anbefalt tilbehør.
– Fjern ikke deksler.
– Reparer ikke denne enheten selv, overlat service til
kvalifisert servicepersonell.

Vekselstrømnett
● Nettstøpselet er trukket ut fra denne enheten.
Installer denne enheten slik at nettstøpselet umiddelbart kan
trekkes fra stikkontakten.

FORSIKTIG

Produkt
● Dette produktet anvender en laser. Betjening av kontroller
eller justering eller andre inngrep enn de beskrevet i denne
bruksanvisning kan føre til farlig bestråling.
● Plasser ikke åpen ild, slik som levende lys, oppå apparatet.
● Dette apparatet er beregnet for bruk under moderate klimaforhold.

Plassering
● 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 produktet er
godt ventilert.
– Apparatets ventilasjonsåpninger må ikke dekkes til med
aviser, duker, gardiner eller lignende.

Limited Warranty (ONLY FOR AUSTRALIA)

Panasonic Warranty

1. The product is warranted for 12 months from the date of purchase. 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 be faulty within the warranty period.

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

3. This warranty only applies if the product has been installed and 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 covers normal domestic use only and 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), introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, 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) Cabinet Part(s)	(e) DVD, Blu-ray or Recordable Discs
(b) Video or Audio Tapes	(f) Video / Audio Heads from wear and tear in normal use
(c) SD cards or USB devices	(g) Information stored on Hard Disk Drive, USB stick or SD card
(d) User replaceable Batteries	(h) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
etc	

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) The use of 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:
   - Telephone Panasonic's Customer Care Centre on 132600 or visit our website referred to below and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
   - Send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
   - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
     − Plasma/LCD televisions / displays (screen size greater than 103 cm)

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

PRO-031-F11 Issue: 4.0   01-01-2011

For the United Kingdom and Ireland customers

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.

CLASS 1
LASER PRODUCT   (Bottom of product)

EU

Manufactured by: Panasonic Corporation
                    Kadoma, Osaka, Japan
Importer for Europe: Panasonic Marketing Europe GmbH
                    Panasonic Testing Centre
                    Winsbergring 11, 22525 Hamburg, Germany

Panasonic Corporation   (En)
Web Site: http://www.panasonic.com

© Panasonic Corporation 2016   **RQT0A76-B**
                                                      F0116TM1026