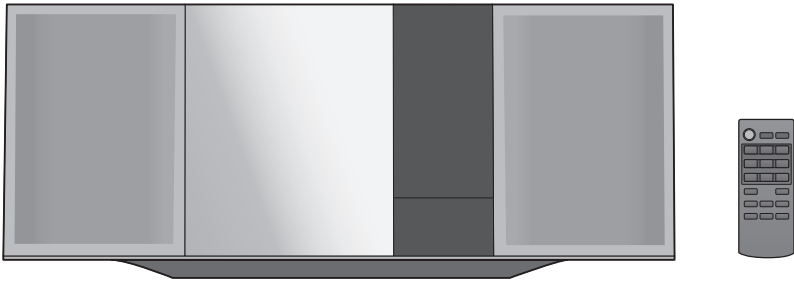


# Panasonic®

## Operating Instructions Compact Stereo System

Model No. SC-HC49DB  
SC-HC49



Thank you for purchasing this product.

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

**Included Installation Instructions (→ 2 and 20, 21)**

**The installation work should be done by a qualified installation specialist.**

Before commencing work, carefully read these installation instructions and the operating instructions to ensure that installation is performed correctly.

(Please keep these instructions. You may need them when maintaining or moving this unit.)

# 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.
- (For Australia and New Zealand) This unit is intended for use in moderate climates.
- (For Asia and the Middle East) This unit is intended for use in tropical 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

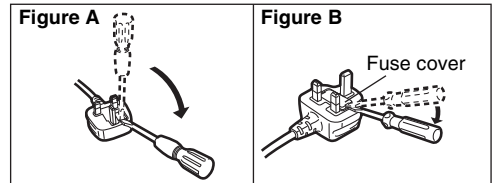
- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- Mishandling of batteries can cause electrolyte leakage and may cause a fire.
  - Remove the battery if you do not intend to use the remote control for a long period of time. Store in 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.

### (For the AC mains plug of three pins)

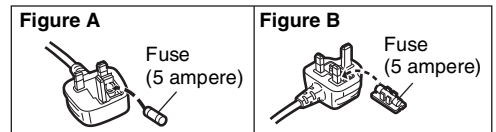
### How to replace the fuse

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.



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



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

### -If you see this symbol-

#### Information on Disposal in other Countries outside the European Union



This symbol is only valid in the European Union.  
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

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#### About descriptions in these operating instructions

- Pages to be referred to are indicated as "→ ○○".
- Unless otherwise indicated, operations are described using the remote control.
- These operating instructions are applicable to models SC-HC49DB and SC-HC49. Unless otherwise indicated, illustrations in these operating instructions are of SC-HC49DB.  
**SC-HC49DB** :indicates features applicable to SC-HC49DB only.  
**SC-HC49** :indicates features applicable to SC-HC49 only.

## Accessories

Check the supplied accessories before using this unit.

- 1 Remote control**  
(N2QAYB000945)
- 1 Battery for remote control**
- (For Australia and New Zealand)  
**1 AC mains lead**
- (For Asia and the Middle East)  
**3 AC mains leads**

- SC-HC49DB**  
**1 DAB indoor antenna**



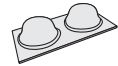
- SC-HC49**  
**1 FM indoor antenna**



- SC-HC49** (Australia and New Zealand only)  
**1 AM loop antenna**

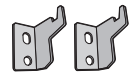
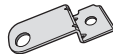


- 1 Pad sheet**  
(support pad)



#### Wall mounting accessories

- 1 Safety holder**
- 2 Wall mount brackets**

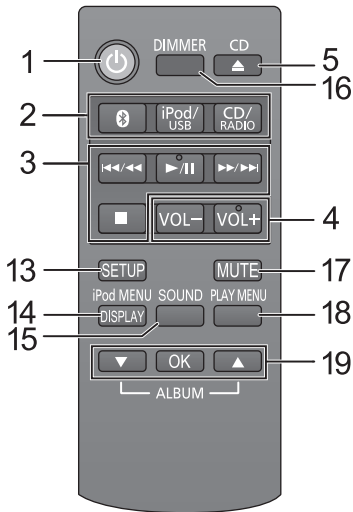
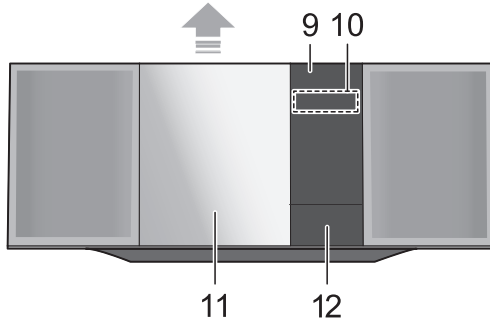
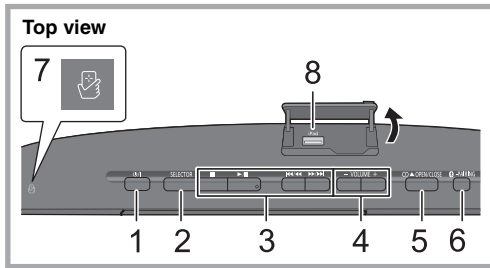


- 1 Screw**



- Do not use AC mains lead with other equipment.
- Product numbers provided in these operating instructions are correct as of February 2014. These may be subject to change.
- (For Asia and the Middle East)  
Please use the supplied AC mains lead suitable for the household mains socket.

# Control reference guide



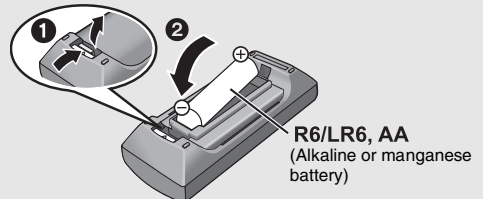
- 1 **Standby/on switch (⏻/⏻)**  
Press to switch the unit from on to standby mode or vice versa.  
In standby mode, the unit is still consuming a small amount of power.
  - 2 **Select the audio source**  
On this unit:  
"CD" → "BLUETOOTH" → "IPOD\_DOCK" → "USB"\*1  
↑ ("AM")\*2 ← "FM" ← ("DAB+")\*3 ←  
On the remote control:  
[Bluetooth icon]: "BLUETOOTH"  
[iPod/USB]: "IPOD\_DOCK" ↔ "USB"\*1  
[CD/RADIO]: "CD" → ("DAB+")\*3 → "FM"  
↑ ("AM")\*2 ←
  - 3 **Basic playback control buttons**
  - 4 **Adjust the volume (0 (min) to 50 (max))**
  - 5 **Open or close the sliding door**
  - 6 **Bluetooth®-pairing button**
    - Press to select "BLUETOOTH" as the audio source.
    - Press and hold to enter pairing mode (→ 7) or disconnect a Bluetooth® device (→ 8).
  - 7 **NFC touch area (→ 7)**
  - 8 **Port for iPhone/iPad/iPod and USB devices (→ 6)**  
Select "USB"\*1 as the audio source.
  - 9 **Remote control signal sensor**  
Distance: Within approx. 7 m directly in front  
Angle: Approx. 30° left and right
  - 10 **Display**
  - 11 **Sliding door**
  - 12 **Dock for iPhone/iPod**  
Select "IPOD\_DOCK" as the audio source.
  - 13 **Enter setup menu**
  - 14 **Enter the iPhone/iPod menu / Change the displayed information**
  - 15 **Enter sound menu**
  - 16 **Dim the display panel**  
Press again to cancel.
  - 17 **Mute the sound**  
Press again to cancel. "MUTE" is also cancelled when the volume is adjusted or the unit is turned off.
  - 18 **Enter playback menu**
  - 19 **Selection/OK**
- \*1: The display will automatically change to "IPOD\_PORT" when a compatible iPhone/iPad/iPod is connected to the port for iPhone/iPad/iPod.  
\*2: Only available for **SC-HC49** (Australia and New Zealand only)  
\*3: Only available for **SC-HC49DB**

## ■ Using the remote control

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

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.

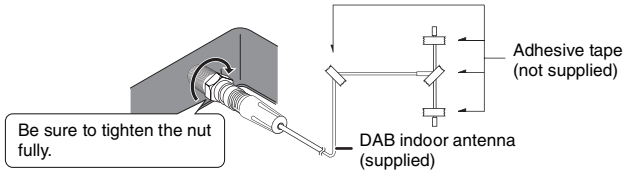
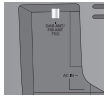


# Connections

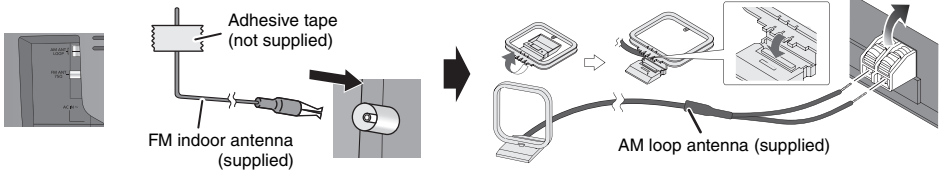
## 1 Connect the antenna(s).

### SC-HC49DB

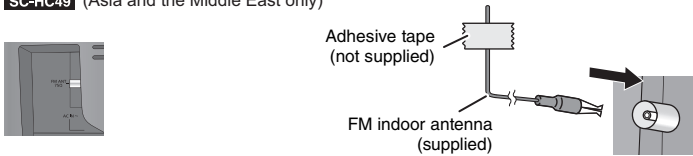
This unit can receive DAB+ and FM stations with the DAB antenna.



### SC-HC49 (Australia and New Zealand only)



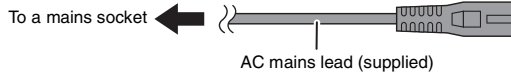
### SC-HC49 (Asia and the Middle East only)



## 2 Connect the AC mains lead after all other connections are completed.

This unit consumes a small amount of AC power (→ 22) 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.



- These speakers do not have magnetic shielding. Do not place them near a TV, personal computer or other magnetic devices.
- Tape the DAB/FM antenna to a wall or column in a position with the least amount of interference.
- **SC-HC49DB** If radio reception is poor, use a DAB outdoor antenna (not supplied).
- **SC-HC49** If radio reception is poor, use a FM outdoor antenna with a right angle type connector (not supplied).

# Inserting media

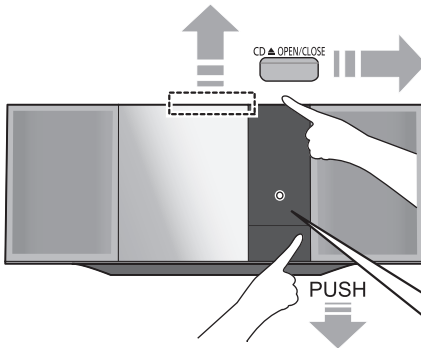
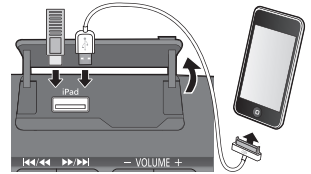
## ■ Connecting an iPhone/iPad/iPod\* or USB device

When you connect a compatible device to the port or the dock during “USB” or “IPOD\_DOCK” mode, the selector will automatically select the corresponding source for the device.

Press [iPod/USB] to select “USB”.

The display will automatically change to “IPOD\_PORT” when a compatible iPhone/iPad/iPod is connected to the port.

- When connecting an iPhone/iPad/iPod, use the dedicated USB cable (not supplied).
- 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”.



## ■ Inserting a CD

The label side



- Make sure to tilt the disc so as not to touch the sliding door.
- Do not open the sliding door manually.

- Pad (supplied)
  - Attach the pad before using the dock. (→ 19)

## ■ Connecting an iPhone/iPod\* with Lightning connector

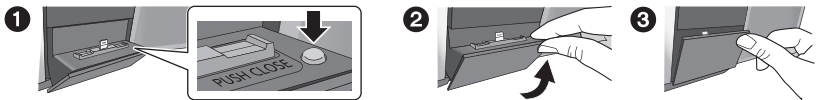
When you connect a compatible device to the port or the dock during “USB” or “IPOD\_DOCK” mode, the selector will automatically select the corresponding source for the device.

Press [iPod/USB] to select “IPOD\_DOCK”.



### To close the dock

Press and hold [PUSH CLOSE] while closing the dock.



- Be sure to remove the iPhone/iPod from its case.
- Make sure that the iPhone/iPod is fully inserted and its back is resting against the pad.
- Make sure to hold the dock when removing the iPhone/iPod.

\* Refer to “Playable media” for compatible models. (→ 18)

## ■ Charging an iPhone/iPad/iPod

During unit on, charging starts when an iPhone/iPad/iPod is connected to this unit.

- To continue charging from the USB cable connection during standby mode, make sure the iPhone/iPad/iPod has started charging before turning the unit to standby mode.
- During standby mode, charging will start as usual from the Lightning connector.
- Check the iPhone/iPad/iPod to see if the battery is fully charged. (Once fully charged, remove the iPhone/iPad/iPod.)



- Make sure that the unit does not fall when inserting or removing media.
- 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.
- If you intend to use an NFC (Near Field Communication)-compatible Bluetooth® device, proceed to “One-Touch Connection (Connecting by NFC)”.

## 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 4.

### To enter pairing mode\*


- 2 Press [PLAY MENU] to select “PAIRING”.
- 3 Press [▲, ▼] to select “OK? YES” and then press [OK].

### To pair with a device

- 4 Select “SC-HC49” from the Bluetooth® device’s Bluetooth® menu.  
↳ The name of the connected device is indicated on the display for a few seconds.
- 5 Start playback on the Bluetooth® device.

\* You can also enter pairing mode by pressing and holding [  -PAIRING ] on the unit.

### ■ Connecting a paired Bluetooth® device

- 1 Press [  ] to select “BLUETOOTH”.  
↳ “READY” is indicated on the display.
- 2 Select “SC-HC49” 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.



## One-Touch Connection (Connecting by NFC)

### For NFC-compatible Android™ devices only

Simply by touching an NFC (Near Field Communication)-compatible Bluetooth® device on the unit, you can complete all preparations, from registering a Bluetooth® device to establishing a connection.

### Preparation

- Turn on the NFC feature of the device.
- Android device version lower than 4.1 requires the installation of the app “Panasonic Music Streaming” (Free of charge).
  - 1 Enter “Panasonic Music Streaming” in the search box of Google Play™ to search, and then select “Panasonic Music Streaming”.
  - 2 Start the app “Panasonic Music Streaming” on the device.
    - Follow on-screen instructions on your device.
    - Always use the latest version of the app.

- 1 Press [  ] to select “BLUETOOTH”.
- 2 Touch and hold your device on the NFC touch area of this unit [  ]. (→ 4)  
↳ Once the registration and connection of the Bluetooth® device is complete, the name of the connected device is indicated on the display for a few seconds. Move the device away from the unit.
  - When the connection is not established even if your device has touched the NFC touch area, move the device so it can be detected.
- 3 Start playback on the Bluetooth® device.






- If you touch another device to this unit, you can update the Bluetooth® connection. The previously connected device will be disconnected automatically.
- If the image and sound are out of sync during playback, restart the playback app you are using.
- When the connection is established, the playback may start automatically depending on the type of device being used.
- The One-Touch Connection may not work properly depending on the type of device being used.

## 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





- Select "MODE 1" if the sound is interrupted.
- 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 []-PAIRING on the unit.
- The Bluetooth® device will be disconnected if a different audio source (e.g., "CD") is selected.

## Media playback controls

The following marks indicate the availability of the feature.

**CD**: CD audio in CD-DA format and a CD that contains MP3 files (→ 18)

**iPod**: Compatible iPhone/iPad/iPod (→ 18)

**USB**: USB devices containing MP3 files (→ 18)

**Bluetooth**: Connected Bluetooth® device

### Preparation










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



- When using iPhone/iPad/iPod, the operation may vary among those models.

## Basic controls

(**CD**, **iPod**, **USB**, **Bluetooth**)

Play	Press [  ].
Stop	Press [  ]. <ul style="list-style-type: none"><li>• <b>USB</b>: The position is memorised and "RESUME" is displayed.</li></ul>
Pause	Press [  ]. Press again to restart play.
Skip	Press [  /<<] or [▶▶/  ] to skip track. <b>CD</b> , <b>USB</b> Press [  ] or [  ] to skip the MP3 album.
Search	During play or pause, press and hold [  /<<] or [▶▶/  ]. <ul style="list-style-type: none"><li>• <b>iPod</b>: Backwards search is only within the current track.</li></ul>



## ■ **CD, USB, Bluetooth** To display information

Press [DISPLAY, iPod MENU] repeatedly.



- 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.
- Maximum number of displayable characters: approx. 30
- This unit supports ver. 1.0, 1.1 and 2.3 ID3 tags. Text data that is not supported will not be displayed or will be shown differently.
- Album and track indication for MP3 files.



"A \_ \_ \_": MP3 album number.

"T \_ \_ \_": MP3 track number.

- " \_ " stands for the album or track number.

"■": This indication is also used to refer to an album.

"♪": This indication is also used to refer to a track.

## ■ **iPod** To navigate through the iPhone/iPod music menu

[▲, ▼]: To navigate menu items.

[OK]: To go to the next menu.

[DISPLAY, iPod MENU]: To return to the previous menu.



- Depending on the model (e.g., iPod nano 7th generation, etc.), it may be necessary to select the album, artist, etc. on the iPhone/iPod.
- Depending on the iOS version, this function may not be available.

## **Playback modes (CD, USB)**

Select the playback mode.

- 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. <ul style="list-style-type: none"><li>● "1", "♪" is displayed.</li></ul> (Skip to the desired track.)
1-ALBUM	Only plays the selected MP3 album. <ul style="list-style-type: none"><li>● "1", "■" is displayed.</li></ul>
RANDOM	Plays the contents randomly. <ul style="list-style-type: none"><li>● "RND" is displayed.</li></ul>
1-ALBUM RANDOM	Plays the tracks in the selected MP3 album randomly. <ul style="list-style-type: none"><li>● Press [▲] or [▼] to select the MP3 album.</li><li>● "1", "■", "RND" is displayed.</li></ul>

### REPEAT

ON REPEAT	Turns on repeat mode. <ul style="list-style-type: none"><li>● "↺" is displayed.</li></ul>
OFF REPEAT	Turns off repeat mode.



- During random play, you cannot skip to the previous track.
- The mode is cancelled when you open the sliding door.

## Listening to DAB+

### Preparation

- Make sure that the DAB antenna is connected. (→ 5)
- Turn the unit on.

### Memorising stations

To listen to 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 the memory is empty.

Press [CD/RADIO] repeatedly to select “DAB+”.



- “SCAN FAILED” is displayed when the auto scan is unsuccessful. Locate the position with the best reception (→ 11, “To verify or improve the signal reception quality”) and then re-scan DAB+ stations.

### To re-scan 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 memory with the auto scan, preset stations will be erased. Preset them again (→ right).

### Listening to the memorised stations

#### Preparation\*

- ① Press [CD/RADIO] repeatedly to select “DAB+”.
- ② Press [PLAY MENU] repeatedly to select “TUNEMODE”.
- ③ Press [▲, ▼] to select “STATION” and then press [OK].

- 1 Press [CD/RADIO] repeatedly to select “DAB+”.
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] to select the station.

### Presetting DAB+ stations

You can preset up to 20 DAB+ stations.

#### Preparation

Press [CD/RADIO] repeatedly to select “DAB+”.

- 1 While listening to a DAB+ broadcast Press [OK].
- 2 Press [▲, ▼] to select the desired preset channel number and then press [OK].



- 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.

### Listening to preset DAB+ stations

#### Preparation\*


- ① Press [CD/RADIO] repeatedly to select “DAB+”.
- ② Press [PLAY MENU] repeatedly to select “TUNEMODE”.
- ③ Press [▲, ▼] to select “PRESET” and then press [OK].


- 1 Press [CD/RADIO] repeatedly to select “DAB+”.
- 2 Press [◀◀/▶▶] or [▶▶/▶▶] to select the station.



- 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+ 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).

\* The “TUNEMODE” setting is memorised until it is changed.

## Display

Press [DISPLAY, iPod MENU] 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+ 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+ 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+ stations" to memorise stations on other frequency blocks. (→ 10)
- 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+ signal reception quality

- 1 While listening to the 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. (→ 10)

# Listening to FM/AM radio

AM radio is only available for **SC-HC49** (Australia and New Zealand only).

You can preset up to 30 FM channels / 15 AM channels.

## Preparation

- Make sure that the antenna(s) are connected. (→ 5)
- Turn the unit on.
- Press [CD/RADIO] repeatedly to select “FM” or “AM”.



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

## 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, AM 520 or AM 522).

### CURRENT:

To begin auto preset with the current frequency.\*

↳ The tuner starts to preset all the stations it can receive into the channels in ascending order.

\* To change the frequency, refer to “Manual tuning and presetting”.

## Listening to a preset channel

- 1 Press [PLAY MENU] repeatedly to select “TUNEMODE”.
- 2 Press [▲, ▼] to select “PRESET” and then press [OK].
- 3 Press [◀◀/◀◀] or [▶▶/▶▶] to select the channel.

## Manual tuning and presetting

Select a radio broadcast.

- 1 Press [PLAY MENU] repeatedly to select “TUNEMODE”.
- 2 Press [▲, ▼] to select “MANUAL” and then press [OK].
- 3 Press [◀◀/◀◀] or [▶▶/▶▶] to tune to the required station.
  - To start automatic tuning, press and hold [◀◀/◀◀] or [▶▶/▶▶] until the frequency starts scrolling. Tuning stops when a station is found.

To preset the channel

- 4 While listening to the radio broadcast, press [OK].
- 5 Press [▲, ▼] to select the channel and then press [OK].

## To improve FM sound quality

- 1 While receiving FM broadcasts, press [PLAY MENU] repeatedly to select “FM MODE”.
- 2 Press [▲, ▼] to select “MONO” and then press [OK].
  - This setting can be preset and memorised. To do so, continue to step 4 of “Manual tuning and presetting”.



- Select “STEREO” in step 2 to return to stereo broadcasts.
- “MONO” is cancelled if the frequency is changed.

## To display the current FM signal status

While receiving FM signal, press [DISPLAY, iPod MENU].

“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 in step 2 of “To improve FM sound quality” (→ above).



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



## 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 "DAB+" (SC-HC49DB), "FM" or "AM" (SC-HC49 (Australia and New Zealand only)) is the source.
- When connected to a Bluetooth® device, the function does not work.

### Bluetooth® standby

When "SC-HC49" 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.

### 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/RADIO] repeatedly to select "CD".
- 2 While pressing and holding [SELECTOR] on the unit, press and hold [CD/RADIO] on the remote control until the unit's display shows "REMOTE 2".
- 3 Press and hold [OK] and [CD/RADIO] on the remote control for at least 4 seconds.



- To change the mode back to "REMOTE 1", press [CD/RADIO] repeatedly to select "CD" and then repeat the step 2 and 3 but replace [CD/RADIO] with [⊗].

### 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

The version of the installed software is displayed.

Press [SETUP] repeatedly to select "SW VER." and then press [OK].

- Press [OK] to exit.

# 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

When the following situations occur, reset the memory:

- There is no response when buttons are pressed.
- You want to clear and reset the memory contents.

- ① Disconnect the AC mains lead. (Wait for at least 3 minutes before proceeding to step ②.)
- ② While pressing and holding down [ $\text{⏻}$ ] on the unit, reconnect the AC mains lead.
  - Keep holding down [ $\text{⏻}$ ] until "-----" appears on the display.
- ③ Release [ $\text{⏻}$ ].



- All the settings are returned to the factory defaults. You will need to reset the memory items.

## General

### 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. Reset the unit as follows:
  - ① Press [ $\text{⏻}$ ] on the unit to switch the unit to standby.
    - If the unit does not switch to standby, press [ $\text{⏻}$ ] on the unit for approximately 10 seconds. The unit is forcibly switched to standby. Alternatively, disconnect the AC mains lead, wait for at least 3 minutes, then reconnect it.
  - ② Press [ $\text{⏻}$ ] on the unit to switch it on. If the unit still cannot be operated, consult the dealer.

### MP3 cannot be read.

- You may not be able to play MP3 if you have copied a multi-session disc that has no data between sessions.
- When creating a multi-session disc, it is necessary to close the session.
- The amount of data on the disc is too small. Set the amount of data to above 5 MB.

## Remote control

### The remote control does not work properly.

- The battery is depleted or inserted incorrectly. (→ 4)

## 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 [ $\text{▶/||}$ ] 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

### SC-HC49DB

### DAB+ reception is poor.

- Keep the antenna away from computers, televisions, other cables and cords.
- Use an outdoor antenna (→ 5).

### Static or noisy reception is heard while listening to a radio broadcast.

- Confirm the antenna(s) are 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. (→ 5)
- 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.

### SC-HC49 (Australia and New Zealand only)

### AM stations cannot be selected.

Change the AM frequency step.

- ① Press [CD/RADIO] repeatedly to select "AM".
- ② Press and hold [SELECTOR] on the unit.

After a few seconds the display changes to show the current lowest frequency. Continue to hold the button down. The lowest frequency changes and the step is changed.

### SC-HC49 (Australia and New Zealand only)

### A low hum or noise is heard during AM broadcast.

- Keep the AM antenna away from this unit, other cables and cords.

## iPhone/iPad/iPod

### Cannot charge or operate.

- Check that the iPhone/iPad/iPod is connected properly. (→ 6)
- Connect the iPhone/iPad/iPod again or try to restart the iPhone/iPad/iPod.
- During standby mode, charging will not start from the USB cable connection.
  - Turn this unit on and make sure the charging has started before turning this unit to standby mode.
- The battery of the iPhone/iPad/iPod is depleted. Charge the iPhone/iPad/iPod, and then operate again.
  - When using the port, turn this unit on. Do not turn this unit off until the iPhone/iPad/iPod becomes operational.

## 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)

### 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-HC49" 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. (→ 8)

### The One-Touch Connection (NFC feature) is not working.

- Make sure the unit and the NFC feature of the device are turned on. (→ 7)

## 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 (→ 13).

#### "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.

#### "CHECKING CONNECTION"

- The unit is checking the connected iPhone/iPad/iPod.
- If this display keeps appearing, make sure that the battery of the iPhone/iPad/iPod is not depleted and that the iPhone/iPad/iPod is turned on and connected correctly (→ 6).

#### "ERROR"

- Incorrect operation is performed. Read the instructions and try again.

#### "□□" ("□" 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.

#### "ILLEGAL OPEN"

- Sliding door is in the wrong position. Turn the unit off and on again. If this display appears again, consult the dealer.

#### "IPOD\_DOCK OVER CURRENT ERROR"

#### "USB OVER CURRENT ERROR"

- The iPhone/iPad/iPod is drawing too much power. Disconnect the iPhone/iPad/iPod and turn the unit off and on again.
- The USB device is drawing too much power. Select a source other than "USB", remove the USB and turn the unit off.

#### "NODEVICE"

- The iPhone/iPad/iPod or USB device is not inserted correctly. Read the instructions and try again (→ 6).
- The battery of the iPhone/iPad/iPod is depleted. Charge the iPhone/iPad/iPod and turn it on before connecting.

#### "NO DISC"

- Insert the disc to be played (→ 6).

#### SC-HC49DB

#### "NO MEMORY"

- There are no preset DAB+ stations to select. Preset some channels. (→ 10)

#### "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.

#### SC-HC49DB

#### "NO SIGNAL"

- This station cannot be received. Check your antenna (→ 5).

#### "NOT SUPPORTED"

- You have connected an iPhone/iPad/iPod that cannot be played (→ 18).
- If the iPhone/iPad/iPod is compatible, turn it on and connect it correctly.

#### "PLAYERROR"

- You played an unsupported MP3 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.

#### "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 [Ⓜ] for at least 4 seconds.
  - When "REMOTE 2" is displayed, press and hold [OK] and [CD/RADIO] for at least 4 seconds.

#### SC-HC49DB

#### "SCAN FAILED"

- Stations are not receivable. Check your antenna and try Auto scanning (→ 10).  
If "SCAN FAILED" is still displayed find the best signal reception with the "MANUAL SCAN" tuning function. (→ 11)

#### "VBR"

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



## Unit and media care

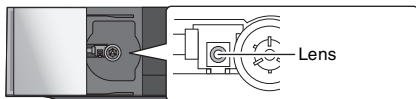
Pull out the AC mains lead from the outlet before maintenance.

### ■ Clean this unit with a soft, dry cloth

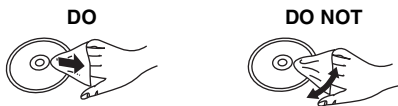
- When dirt is heavy, wring a wet cloth tightly to wipe the dirt, and then wipe it with a dry cloth.
- When cleaning the speaker covers, use a fine cloth. Do not use tissues or other materials that can fall apart. Small pieces may get stuck inside the speaker cover.
- Never use alcohol, paint thinner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

### ■ Maintenance of the lens

- Clean the lens regularly to prevent malfunctions. Use a dust blower to remove dust and a cotton swab if it is extremely dirty.
- You cannot use a CD type lens cleaner.
- Do not leave the sliding door open for prolonged periods of time. This will cause the lens to get dirty.
- Be careful not to touch the lens with your fingers.



### ■ Clean discs



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 return all the settings to the factory defaults to delete the user settings.

(→ 15, "To return all settings to the factory defaults")

- The operation history may be recorded in the memory of this unit.

## 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).

# Playable media

## Compatible iPhone/iPad/iPod

Compatible with the dock  
(Using Lightning connector)

iPhone 5s / iPhone 5c / iPhone 5
iPod touch (5th generation)
iPod nano (7th generation)

Compatible with the port  
(Using dedicated USB cable (not supplied))

iPhone 5s / iPhone 5c / iPhone 5 / iPhone 4S / iPhone 4 / iPhone 3GS / iPhone 3G / iPhone
iPad mini with Retina display / iPad Air / iPad (3rd, and 4th generation) / iPad 2 / iPad / iPad mini
iPod touch 1st, 2nd, 3rd, 4th, and 5th generation
iPod nano 2nd, 3rd, 4th, 5th, 6th, and 7th generation

(as of January 2014)



- Compatibility depends on the software version. Update your iPhone/iPad/iPod to the latest software before using it with this unit.
- Please be aware that Panasonic accepts no responsibility for the loss of data and/or information.
- Do not connect the following models to the port:
  - iPod classic, iPod [4th (colour display), and 5th (video) generation], iPod nano (1st generation)Unexpected behaviour may occur.

## Compatible CD

- A disc with the CD Logo.



- This unit can play back discs that conform to the CD-DA format.
- 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.

## 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 full speed.
- This unit can support USB devices of up to 32 GB.

## Compatible MP3 files

- Supported format: Files with the extension “.mp3” or “.MP3”.
- Compatible compression rate: Between 16 kbps and 320 kbps (stereo).
- Depending on how you create the MP3 files, they may not play in the order you numbered them or may not play at all.

## CD-R/RW

- Maximum number of tracks and albums: 999 tracks and 254 albums (Excluding Root folder).
- Disc formats: ISO9660 level 1 and level 2 (except for extended formats).
- 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.

## USB device

- Maximum number of tracks and albums: 8000 tracks and 799 albums (Excluding Root folder).
- Only one memory card will be selected when connecting a multiport USB card reader, typically the first memory card inserted.

## Licenses



“Made for iPod”, “Made for iPhone”, and “Made for iPad” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance. iPad, iPhone, iPod, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. Lightning is a trademark of Apple Inc.

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.

Google Play and Android are trademarks of Google Inc.

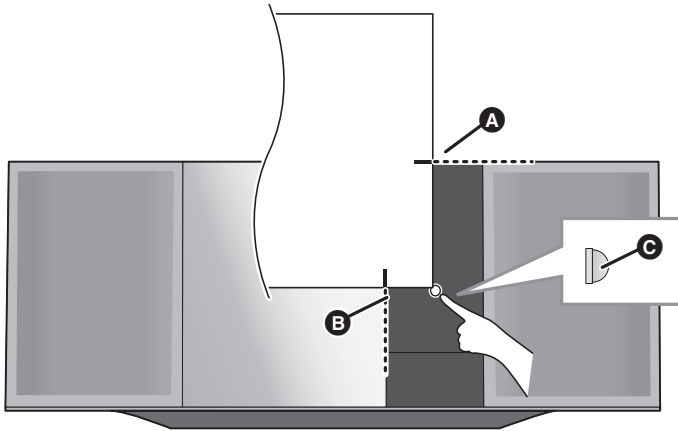
MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.

# Attaching the support pad to this unit

Attach the supplied support pad to prevent damage or scratches to this unit or the device connected to the dock. Attach the pad before using the dock.

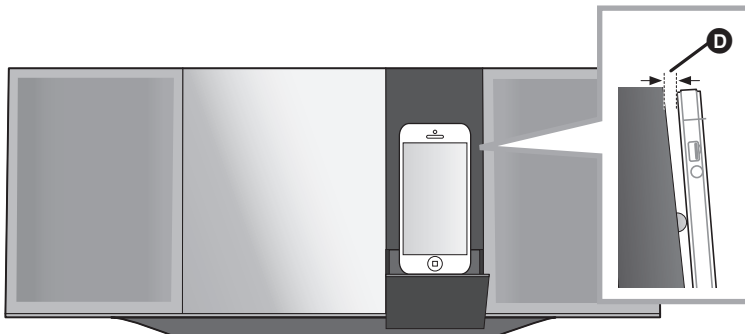
- The location is the same for either iPhone, iPod touch, or iPod nano.

**1** Align this page to the sliding door and locate the position to attach the pad.



- A** Align with the top of unit.
- B** Align with the side of the sliding door.
- C** Pad (supplied)

**2** Attach the pad near the corner of this page.  
e.g., iPhone 5



- D** There will be a gap between the unit and the connected device.



- 2 pads are supplied with this unit.  
Keep the other pad in a secure place for future use.

**B**

# Attaching the unit to a wall (optional)

This unit can be wall mounted using the supplied wall mount brackets, etc. Make sure that the wall and the screws used for securing to the wall are capable of supporting at least 33 kg. The screws and other items are not supplied as the type and size will vary with each installation.

- Refer to step 5 of “Wall mount instructions” for details about the required screws.
- As an additional protective measure, attach the unit to the wall with the fall prevention cord.

## Installation accessories

### Supplied accessories

- 1 Safety holder
- 1 Screw
- 2 Wall mount brackets

### Additionally required accessories (commercially available)

- 4 Wall mount bracket fixing screws
- 1 Safety holder fixing screw
- 1 Fall prevention cord\*
- 1 Screw eye

\* Use a cord that is capable of supporting over 33 kg (with a diameter of about 1.5 mm).

- Keep the safety holder out of reach of children to prevent swallowing.
- Keep the screws out of reach of children to prevent swallowing.
- Keep the wall mount brackets out of reach of children to prevent swallowing.

## Safety precautions

**Professional installation is required.**  
The installation should never be done by any other than a qualified installation specialist.  
**PANASONIC DISCLAIMS ANY PROPERTY DAMAGE AND/OR SERIOUS INJURY, INCLUDING DEATH RESULTING FROM IMPROPER INSTALLATION OR INCORRECT HANDLING.**

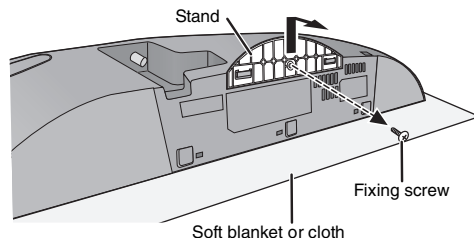
### WARNING:

To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.

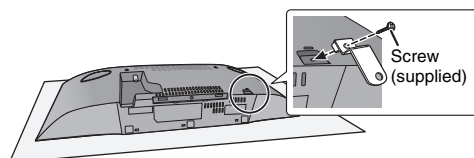
## Wall mount instructions

**Before installation, turn the unit off and disconnect the AC mains lead from the mains socket.**

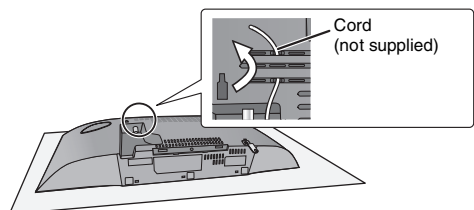
- 1 Detach the stand from the unit.
  - Unscrew the fixing screw at the bottom of the unit.
  - Gently pull the stand off the unit as illustrated.
  - Keep the removed screw and the stand in a safe place.



- 2 Fix the safety holder onto the unit with the screw (supplied).
  - Screw tightening torque: 50 N•cm to 70 N•cm.



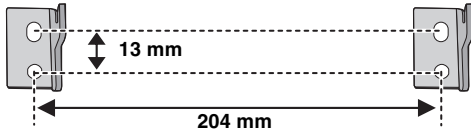
- 3 Attach the fall prevention cord (not supplied) to this unit.



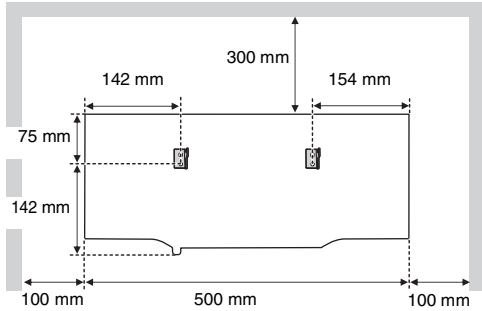
**4** Measure and mark the position of both sides of the wall mount brackets.

- Use figures below to identify the screwing positions.

**The position to attach the wall mount brackets**

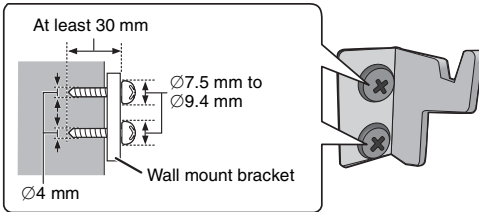


**Space required**



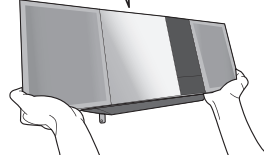
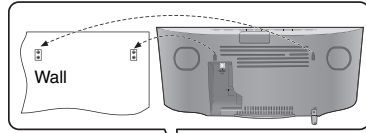
**5** Attach the wall mount bracket to both sides of the wall with two screws (not supplied).

- Use a level to ensure both wall mount brackets are level.



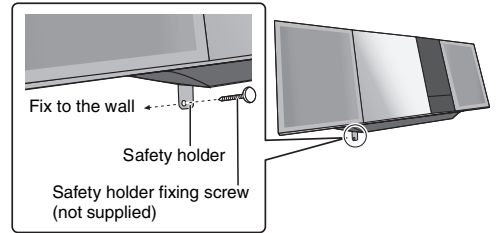
**6** Hook the unit securely onto the wall mount brackets with both hands.

- Connect the antenna(s) and the AC mains lead to the unit before hanging the unit onto the wall. (→ 5)
- After hanging the unit, release your hands carefully to confirm the unit sits securely on the wall mount brackets.



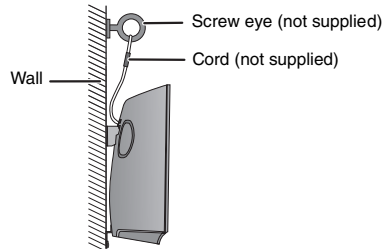
**7** Drive the safety holder fixing screw (not supplied) to secure the safety holder onto the wall.

- Refer to step 5 for requirements before screwing.



**8** Attach the fall prevention cord (not supplied) to the wall.

- Make sure that the slack of the cord is minimal.



# Specifications

## ■ GENERAL

<b>Power consumption</b>	37 W
<b>Power consumption in standby mode</b> *1, 2	
	Approx. 0.2 W
(When "BLUETOOTH STANDBY" is "ON")*2	
	Approx. 0.3 W
<b>Power supply</b>	
(For Australia and New Zealand)	AC 220 V to 240 V, 50 Hz
(For Asia and the Middle East)	AC 110 V to 240 V, 50/60 Hz

## Dimensions (W×H×D)

500 mm×205 mm×92 mm

**Mass** Approx. 2.5 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 Stereo mode

##### Front Ch (both ch driven)

20 W per channel (8 Ω), 1 kHz, 10 % THD

##### Total RMS Stereo mode power

40 W

(For Asia and the Middle East)

**PMPO output power** 450 W

## ■ TUNER SECTION

**Preset Memory** FM 30 stations

**SC-HC49** (Australia and New Zealand only) AM 15 stations

### Frequency Modulation (FM)

#### Frequency range

87.50 MHz to 108.00 MHz (50 kHz step)

#### Antenna terminals

75 Ω (unbalanced)

**SC-HC49** (Australia and New Zealand only)

### Amplitude Modulation (AM)

#### Frequency range

522 kHz to 1629 kHz (9 kHz step)

520 kHz to 1630 kHz (10 kHz step)

## ■ SC-HC49DB DAB SECTION

**DAB memories** 20 channels

### Frequency Band (Wavelength)

**Band III** 5A to 13F  
(174.928 MHz to 239.200 MHz)

### Sensitivity \*BER 4x10<sup>-4</sup>

**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)

## ■ SPEAKER SYSTEM SECTION

### Speaker unit(s)

#### Full range

6.5 cm Cone type×1 per channel

#### Passive Radiator

8 cm×2 per channel

### Impedance

8 Ω

## ■ TERMINAL SECTION

### Dock connection

DC OUT 5 V 1.0 A

### Port connection

DC OUT 5 V 2.1 A

### USB Standard

USB 2.0 full speed

### Media file format support

MP3 (\*.mp3)

### USB device file system

FAT12, FAT16, FAT32

## ■ BLUETOOTH SECTION

### Version

Bluetooth® Ver.2.1+EDR

### Class

Class 2

### Supported Profiles

A2DP, AVRCP

### Operating Frequency

2.4 GHz band FH-SS

### Operation Distance

10 m Line of sight



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

\*1: "BLUETOOTH STANDBY" is "OFF".

\*2: No device is connected to the port or the dock before turning to standby mode.

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

# 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 its 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)
  - (b) Video or Audio Tapes
  - (c) SD cards or USB devices
  - (d) User replaceable Batteries etc
  - (e) DVD, Blu-ray or Recordable Discs
  - (f) Video / Audio Heads from wear and tear in normal use
  - (g) Information stored on Hard Disk Drive, USB stick or SD card
  - (h) 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) 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, freight, 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](http://www.panasonic.com.au) or contact by phone on **132 600**  
*If phoning in, please ensure you have your operating instructions available.*

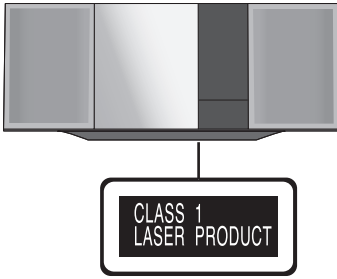
**Panasonic Australia Pty. Limited**

ACN 001 592 187 ABN 83 001 592 187

1 Innovation Road, Macquarie Park NSW 2113

PRO-031-F11 Issue: 4.0

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Panasonic Corporation  
Web Site: <http://panasonic.net>

