Panasonic®

Owner's Manual
Compact Stereo System

Model No. SC-HC58

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

If you have any questions, contact:
U.S.A. and Puerto Rico: 1-800-211-PANA (7262)
Canada: 1-800-561-5505

Register online at www.panasonic.com/register (U.S. customers only)

Included Installation Instructions (➜ 2, 3 and 24, 25)
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.)

La referencia rápida en español se puede encontrar en la página 27.

P PC

RQT9754-P

IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

1   Read these instructions.
2   Keep these instructions.
3   Heed all warnings.
4   Follow all instructions.
5   Do not use this apparatus near water.
6   Clean only with dry cloth.
7   Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8   Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9   Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11 Only use attachments/accessories specified by the manufacturer.
12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13 Unplug this apparatus during lightning storms or when unused for long periods of time.
14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

-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.

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.

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

Button-type battery (Lithium battery)
● Risk of fire, explosion and burns. Do not disassemble, heat above **60** °C **(140 ºF)** or incinerate.

⚠ DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD

This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water.
If any electrolyte should come into contact with your eyes, never rub the eyes. Rinse eyes thoroughly with water, and then consult a doctor.

<For USA-California only>
This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material ─ special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate.

CAUTION - VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK DEFEATED.
DO NOT STARE INTO BEAM.
FDA 21CFR / CLASS II (IIa)   RQLS0475   (Inside of product)

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.

Placement
● 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.

Button-type battery (Lithium battery)
● Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
● Keep out of reach of children.
● Insert with poles aligned.
● Mishandling of batteries can cause electrolyte leakage and may cause a fire.
  – Remove batteries 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 touch the terminals ($+$ and $-$) with metal objects.
  – Do not recharge, disassemble, remodel, heat or throw into fire.
● When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

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

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

About Bluetooth®

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

■ Frequency band used
This unit 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 action below are punishable by law in some countries:
  − Taking apart or modifying the unit.
  − Removing specification indications.

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

■ Range of use
Use this device at a maximum range of 10 m (33 ft).
The range can decrease depending on the environment, obstacles or interference.

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

■ Intended usage
● This unit 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).

Table of contents

About descriptions in this Owner's Manual
● Pages to be referred to are indicated as "➜ ○○"
● Unless otherwise indicated, operations are described using the remote control.

Accessories

Check the supplied accessories before using this unit.

☐ **1 Remote control (with a battery)**
   (N2QAYC000082)

☐ **1 AC power supply cord**
   (K2CB2CB00022)

☐ **1 FM indoor antenna**
   (RSAX0002)

Wall mounting accessories

☐ **1 Safety holder**
   (RGQ0660-K)
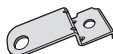
☐ **2 Wall mount brackets**
   (RMQX1082-S)

☐ **1 Screw**
   (XTB3+8JFJK)

(ONLY FOR CANADA)
The enclosed Canadian French label sheet corresponds to the English display on the top of the unit.

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● Do not use AC power supply cord with other equipment.
● Product numbers provided in this Owner's Manual are correct as of December 2012. These may be subject to change.

Control reference guide

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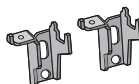   Press to switch the unit from on to standby mode or vice versa.
   In standby mode, the unit is still consuming a small amount of power.

2 Select the audio source
   On the remote control
      [iPod] : "IPOD_DOCK" ↔ "IPOD_PORT"
      [CD/RADIO] : "CD" ↔ "FM"
      [🚀] : "BLUETOOTH"
   On this unit:
      "CD" → "FM" → "BLUETOOTH" → "IPOD_DOCK"
      ↑———— "IPOD_PORT" ←————————┘

3 Basic playback control buttons
4 Enter setup menu
5 Enter the iPod/iPhone menu /
   Change displayed information
6 Open or close the sliding door
7 Adjust the volume (0 (min) to 50 (max))
8 Mute the sound
   Mutes the sound. Press again to cancel.
   "MUTE" is also canceled when the volume is adjusted or the unit is turned off.
9 Enter playback menu
10 Enter sound menu
11 Selection/OK
12 iPod port for iPod/iPhone/iPad (➜ 7)
13 Network setting button (➜ 8)
14 Headphone jack
   Plug type: ⌀3.5 mm (1/8″) stereo
   Recommended plug type: Straight Plug
   ● Listening at full volume for long periods may damage the user's ears.
     Excessive sound pressure from earphones and headphones can cause hearing loss.

15 Power on indicator
16 Wi-Fi® status indicator
17 Display
18 Sliding door
19 Remote control signal sensor
   Distance:
   Within approx. 7 m (23 ft) directly in front.
   ● To avoid interference, please do not put any objects in front of signal sensor.
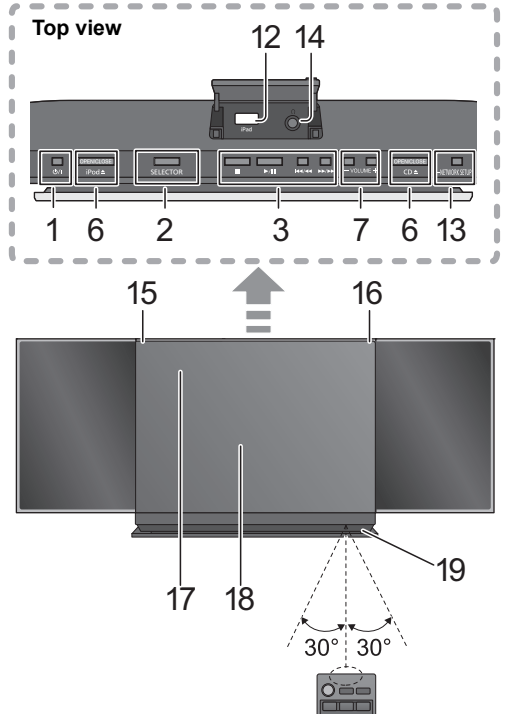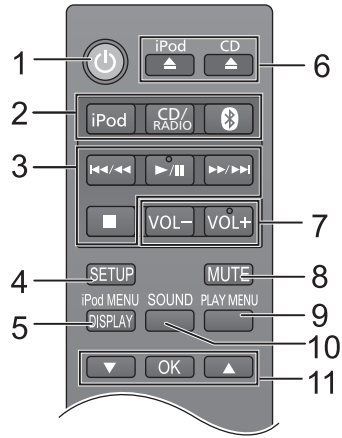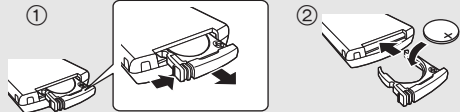
■ **Before using for the first time**
Remove the insulation sheet Ⓐ.

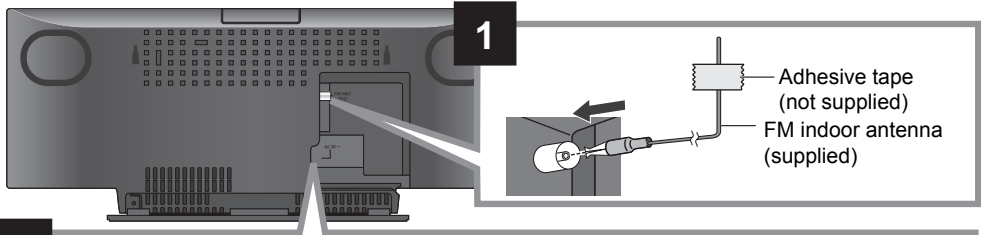■ **To replace a button-type battery**
Battery type: CR2025 (Lithium battery)
① ②

● Set the button-type battery with its (+) mark facing upward.
● Keep the button-type battery out of reach of children to prevent swallowing.

RQT9754

Connections

1
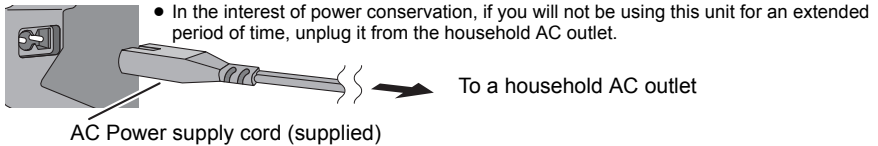
Adhesive tape (not supplied)

FM indoor antenna (supplied)

2 **Connect the AC power supply cord after all other connections are completed.**

This unit consumes a small amount of AC power (➔ 22) even when turned off.

● In the interest of power conservation, if you will not be using this unit for an extended period of time, unplug it from the household AC outlet.

To a household AC outlet

AC Power supply cord (supplied)

📖
● These speakers do not have magnetic shielding. Do not place them near a television, personal computer or other devices easily influenced by magnetism.
● Tape the antenna to a wall or column in a position with the least amount of interference.
(Use an FM outdoor antenna if radio reception is poor.)

Unit and media care

Pull out the AC power plug from the outlet before maintenance.

■ Clean this unit with a soft, dry cloth

● When dirt is heavy, wring a cloth moistened in water 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 (towels, etc.) that can fall apart. Small grains 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 instructions that came with the cloth.

■ Maintenance of the lens

● Clean the lens regularly to prevent malfunctions. Use a 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.

Lens
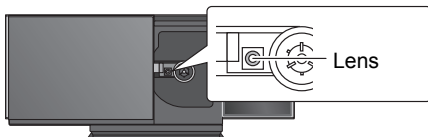
■ Clean discs

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 return all the settings to the factory presets to delete the user settings. (➔ 19, "To return all settings to the factory preset")

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

6

Inserting media

Select "IPOD_PORT" as the source
Connect using the dedicated
USB cable (not supplied) *1, 2
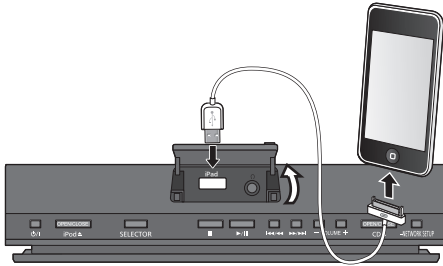
Select "CD" as the source
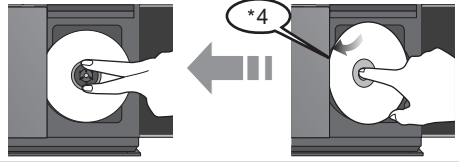
Select "IPOD_DOCK" as the source
Connect Lightning connector models *1

OPEN/CLOSE

iPod⏏

OPEN/CLOSE

CD⏏
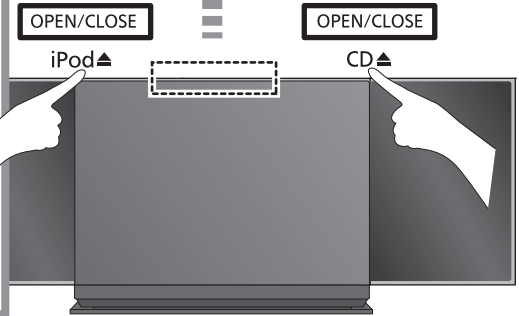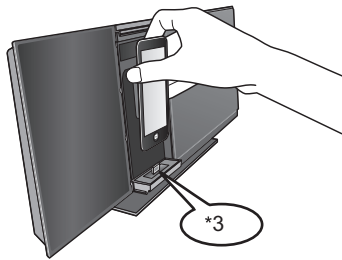
*1: Refer to "Playable media" for compatible models.
(➔ 23)

*2: Do not connect the following models to this unit's iPod
port:
  – iPod classic, iPod [4th (color display), and
    5th (video) generation]
  Unexpected behavior may occur.

*3: When using the Lightning connector:
  ● Be sure to remove the iPod/iPhone from its case.
  ● Do not push or pull the dock manually.
  ● Make sure that the iPod/iPhone is fully inserted and
    its back is resting against the cushion pad.
  ● Make sure to hold the dock when removing the iPod/
    iPhone.

*4: Make sure to tilt the disc so as not to touch the sliding
door.

● Do not open the sliding door manually.
● 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.

Charging an iPod/iPhone/iPad

Charging starts when an iPod*2/iPhone/iPad is
connected to this unit.

● During standby mode, charging will not start from the
USB cable connection, however it will start as usual from
the Lightning connector.
  – To charge from the USB cable connection, start the
    charging before turning this unit to standby mode.

● Check the iPod/iPhone/iPad to see if the battery is fully
charged. (Once fully recharged, additional recharging
will not occur.)

● If this unit is switched to standby mode
"IPOD CHARGING" is shown on the unit's display.

7

Network settings

With this feature you can wirelessly stream music from an iOS device (iPhone, iPod, iPad) or a Mac/PC to this unit's speakers.

To use this feature (AirPlay), this unit must join the same 2.4 GHz wireless network as the AirPlay compatible device (➜ 23).

● It is also possible to use AirPlay without a wireless network router. (➜ 12, "Directly streaming to this unit")

Preparation
● Place this unit close to the wireless network router.

1 Turn this unit on.

2 Follow the chart below to choose the network setting method.

Are you using an iPod touch/iPhone/iPad? Is the iOS version 5.0 or later?	
Yes	**No**

➜ right, "Method 1"

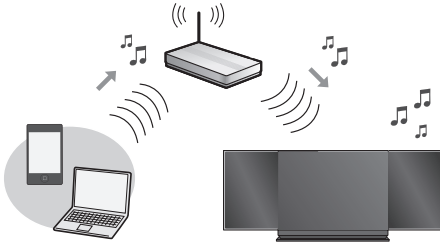| **Does your wireless network router support WPS?**	
Yes	**No / Do not know**

➜ 8, "Method 2"   ➜ 9, "Method 3"

📖
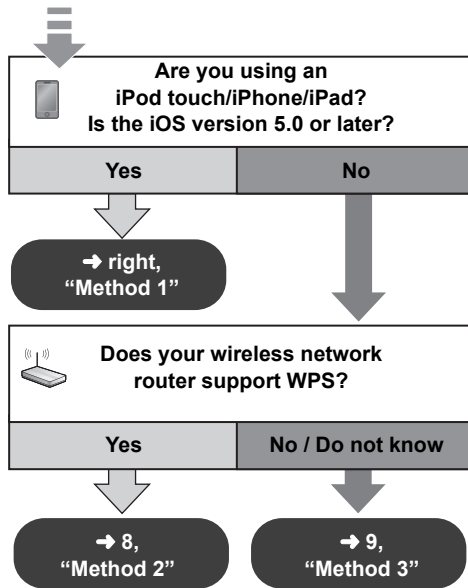
● To cancel this setting in the middle, press [⏻] to turn off the unit.

*1: Depending on the network environment or the wireless network router settings, it may take more than 10 mins. to complete the settings.

With this method you will share the wireless network settings of your iPod touch/iPhone/iPad with this unit.

● The following explanations are based on an iPhone.

1 Connect the **iPhone** to your **home wireless network**.

2 Connect the **iPhone** to **this unit**.

Choose one of the following connections.
Lightning connector compatible iPod touch/iPhone
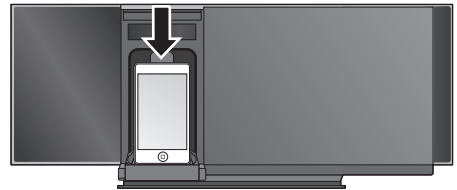
iPod touch/iPhone/iPad with iOS 5.0 or later
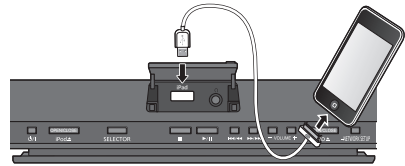
3 Unlock your iPhone and then press and hold **[– NETWORK SETUP]** on this unit for more than 3 seconds.

● If "NOT SUPPORTED" or "SET WI-FI" is displayed, check that the iPhone is connected to the wireless network and try again from step 1.

4 A message will pop-up on your iPhone. Allow the iPhone to share the wireless network settings.*1

5 The unit's settings are completed when "**SUCCESS**" is displayed and the Wi-Fi status indicator **stops blinking** and **lights in blue**.

If "FAIL" is displayed press [OK] and try the setting again. If "FAIL" is still displayed, try "Method 2" or "Method 3".
● If the iPhone was disconnected midway through, try again without disconnecting it.

6 Press [OK] on the remote control to exit the settings.

7 To use AirPlay, turn to page 11.

Method 2
If your wireless network router supports WPS*1.

■ **Using the WPS Push Button Configuration (PBC)**

The WPS identifier mark

WPS Push Button Configuration (PBC) compatible wireless network router may have this mark.
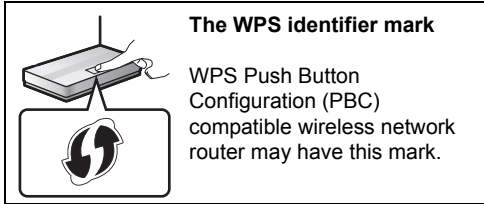
1 Disconnect any devices connected to this unit.

2 Press and hold **[– NETWORK SETUP]** on the unit.

Blinks blue
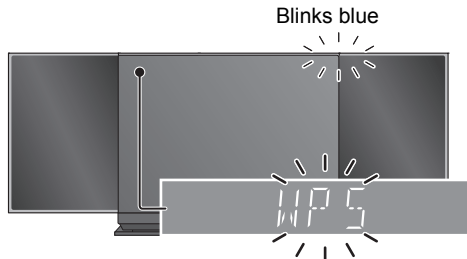
● Complete step 2 within 2 mins.

3 After "WPS" is indicated, press the WPS button on the wireless network router.

4 The unit's settings are completed when "**SUCCESS**" is displayed and the Wi-Fi status indicator **stops blinking** and **lights in blue**.

"FAIL" may be displayed if the connection was not made within the set time limit. Try the setting again. If "FAIL" is still displayed, try "Method 3".

5 Press [OK] on the remote control to exit the setting.

6 To use AirPlay, turn to page 11.

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● To use the WPS PIN code, refer to the notes on page 10.

*1: WPS stands for "Wi-Fi Protected Setup™".

*2: " _ " stands for a digit that is unique to each set.

*3: Make sure that DHCP is enabled for the network setting on the iPhone.

Method 3
Setting the network connection from an Internet browser.

With this method, you will access this unit's wireless network settings from the Internet browser of your compatible device.
● The following explanations are based on an iPhone.

1 Press **[SETUP]** on the remote control repeatedly to select "**NET SETUP**" and then press **[OK]**.

Blinks purple
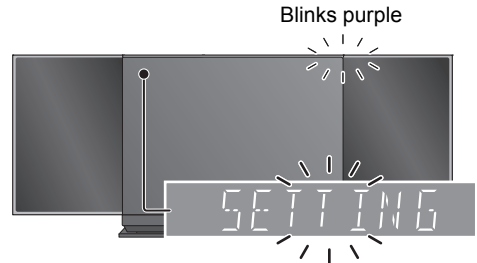
2 After "SETTING" is indicated, **connect your iPhone** to this unit's wireless network called "**00_Setup _ _ _ _ _ _**"*2, 3.

3 Start "**Safari**" on your iPhone and type "**http://192.168.1.12/**" into the URL address field and display the page.
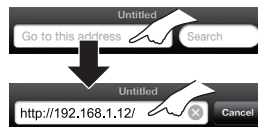
↳ This unit's setup window is displayed.

4 Select "**Search wireless network**".

Connect to wireless network

English / Français

Search wireless network

Manual settings

Additional settings[+]
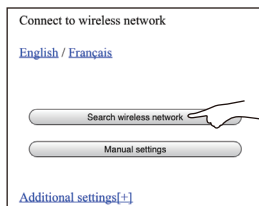
5 Select and input the details.
 ● Check your **home wireless network name** (Network name (SSID)) and **password** for this network. This can often be found on the wireless network router itself.

Search wireless network

Network name (SSID)
Select **1**

Password
2

Advanced network settings[+]
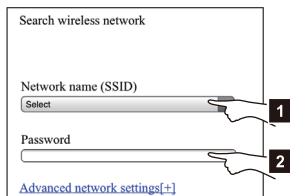
1 Select your **home wireless network name**[*1].

2 Type the **password**.

6 Select "**JOIN**" to apply the settings.
 ● In the pop-up screen, select "OK" to continue.
   – Select "CANCEL" to return to the setup window.

7 The unit's settings are completed when "**SUCCESS**" is displayed and the Wi-Fi status indicator **stops blinking** and **lights in blue**.

If "FAIL" is displayed press [OK], check the wireless network password and other settings and start again from step 1.

8 Make sure to connect your iPhone back to your **home wireless network**[*2].

9 To use AirPlay, turn to page 11.

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*1: If you have set your wireless network to be invisible, select "BACK" and refer to "Alternative settings".

*2: To use the AirPlay function, connect the iPhone to the wireless network selected in step 5. (⇒ above)

Advanced network settings

● The below settings are the alternative or additional settings for "Method 3". (➜ 9)

Alternative settings

Instead of steps 4 and 5

Select "Manual settings".

1 Type your **home wireless network name** into the "Network name (SSID)" field.

2 Select the **encryption method** from the "Security system" drop down list.

3 Type the **password** into the "Password" field and then select "JOIN".

Additional settings

If your home wireless network has been configured to use specific IP Addresses, Subnet Mask, Default Gateway, Primary DNS, etc.

Before step 6

Select "**Advanced network settings**".

↳ Input the required addresses into each field and select "JOIN".

● To change the settings back to DHCP, select "ON" from the "DHCP" drop down list.

If you want to change the name of this unit that is displayed as the AirPlay speakers.

Before step 4

Select "**Additional settings**".

1 Select "**Edit STEREO SYSTEM name**".

2 Type a new name into the "STEREO SYSTEM name" field.
↳ Only ASCII characters can be used.

3 Select "**OK**".

4 If this unit is already connected to your home wireless network:
 −Select "**EXIT**".
 If this unit is not connected to your home wireless network:
 −Continue to **step 4** of "Method 3".

● Enable Java and Cookies in your browser settings.

● This unit can also be set using the WPS PIN code. Replace step 2 of "Method 2" with the following steps. (Before starting, refer to the wireless network router's operating instructions for details on how to enter the PIN code.)

 1 While "WPS" is flashing press and hold [– NETWORK SETUP] again to display the 8 digit PIN code.
 ↳ Wi-Fi status indicator blinks purple.

 2 Enter the PIN code into the wireless network router.

Using AirPlay with this unit's speakers

Preparation
● Complete the network settings. (➜ 8)
● Connect the iOS device or Mac/PC to the same **home wireless network** as this unit.

1 Turn the unit on.

● Check that the Wi-Fi status indicator **lights in blue**.

CD⏏ · NETWORK SETUP
Lights in blue
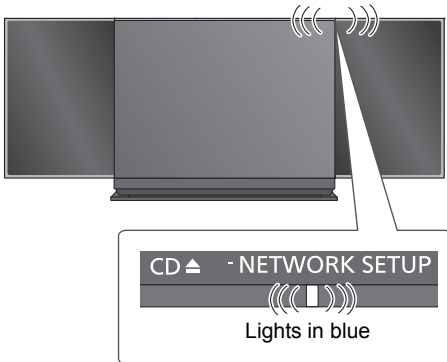
● If it doesn't light in blue, check the wireless network settings. (➜ 8)

2 iOS device:

Start the "**Music**" (or iPod) app.

Mac/PC:

Start "**iTunes**".

● If the Music app on your iOS device is used, select the audio file you want to play.

3 Select "**Panasonic HC58 _ _ _ _ _ _**"*1, 2 from the AirPlay icon.

↳ Check the volume settings before starting the playback. (When AirPlay is used for the first time, the volume may be output at the maximum setting.)

e.g.,
iPhone iOS 6.0.1

| iPhone |
| Panasonic HC58 _ _ _ _ _ _ ✓ |
| Cancel |

e.g.,
iTunes 11.0

AirPlay — Single / Multiple
☐ Computer
◎ Panasonic HC58 _ _ _ _ _ _ ✓
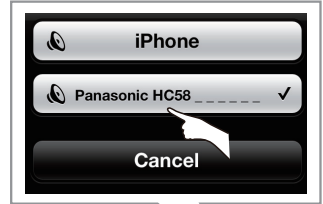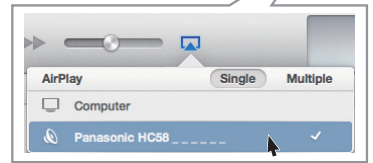
4 Start play.

● The playback will start with a slight delay.

📖

● This unit can be set to turn on automatically when this unit is selected as the output speakers. (➜ 18)

● Playback of other audio sources will stop and AirPlay output will have priority.

● Volume changes on the iOS device or iTunes will be applied to this unit.
(Refer to the iTunes Help for the required settings in iTunes.)

● With some iOS and iTunes versions, it may not be possible to restart the AirPlay playback if the selector is changed (e.g., "CD") or the unit is turned off, during the AirPlay playback.
In this case, select a different device from the AirPlay icon of the Music App or iTunes and then re-select this unit as the output speakers.

● AirPlay will not work when playing back videos on iTunes.

*1: " _ " stands for a digit that is unique to each set.

*2: The name that is displayed for this unit can be changed from the "Edit STEREO SYSTEM name" settings.
(➜ 10, "Advanced network settings")

Directly streaming to this unit

With this function set to "ON", you can stream music from an AirPlay compatible device or Mac / PC (iTunes 10.2 or later) to this unit without the need of a wireless network router.

- The following explanations are based on an iPhone.

1 Press [SETUP] repeatedly to select "D.CONNECT".

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

3 Press [▲, ▼] to select "OK? YES" and then press [OK].

"PW _ _ _ _ _ "*1 is displayed.
The 5 digits after "PW" is the password for this network.

4 Connect your iPhone to this unit's wireless network named "HC58 _ _ _ _ _ _ "*2.

5 Enter the password that is indicated on this unit's display.

6 Once the iPhone is connected to this unit's wireless network, the setup is competed.
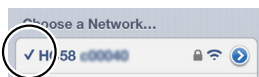
7 Continue to step 2 of "Using AirPlay with this unit's speakers".

📖

- This setting is reset to "OFF" when other network settings are performed. (➔ 8)
- When "D.CONNECT" is set to "ON", this unit will not be connected to the Internet. It is not possible to update the software or check the Wi-Fi signal strength.
- This feature is only compatible with the "Open System" authentication method. It is not compatible with "Shared Key" authentication method.

*1: " _ " stands for a digit
*2: " _ " stands for a digit that is unique to each set.
*3: Steps are based on iOS 6.0.1.

Display the password

The first time "D.CONNECT" is set to "ON", a password for this unit's wireless network is randomly created and memorized in this unit.

- This password is memorized until it is changed.

1 While "D.CONNECT" is set to "ON": Press [SETUP] repeatedly to select "D.CONNECT".

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

3 The current password is displayed.
   - The 5 digits after "PW" is the password for this network.

4 Press any button to exit.

Change the password

1 Press [SETUP] repeatedly to select "D.CONNECT".

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

3 Press [▲, ▼] to select "OK? YES" and then press [OK].

4 The new password is displayed.
   - The 5 digits after "PW" is the new password for this network.

5 Press any button to exit.

■ Note about changing the password

After changing this unit's wireless network password, if you are not prompted to change the password on the other devices, the following changes are required.

iOS device (iPod touch/iPhone/iPad)*3:
- Before choosing this unit's network,
1 Select [⊙] located beside this unit's wireless network name
2 Select "Forget this Network" and then select "Forget".
3 Select this unit's wireless network and enter the new password.

Mac/PC:
- If the computer has memorized the old password, be sure to change the memorized password for this unit's wireless network to the new one.

📖

- Refer to the devices's operating instructions for details.

Bluetooth® operations

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

Pairing Bluetooth® devices

Preparation
● Turn on the Bluetooth® feature of the device and place the device near this unit.
● If this unit is already connected to a Bluetooth® device, disconnect it.

1 Press [🔧] to select "BLUETOOTH".

● If "PAIRING" is indicated on the display, go to step 3.

2 Press [PLAY MENU] to select "NEW DEV." and then press [OK].
↳ "PAIRING" is indicated on the display.

3 Select "SC-HC58" from the Bluetooth® device's Bluetooth® menu.

4 Start play on the Bluetooth® device.

📖
● Refer to the operating instructions of the Bluetooth® device for details.
If prompted for the passkey, input "0000".
● You can register up to 8 devices with this unit. If a 9th device is paired, the device that has not been used for the longest time will be replaced.

Connecting a paired Bluetooth® device

Preparation
● Turn on the Bluetooth® feature of the device and place the device near this unit.
● If this unit is already connected to a Bluetooth® device, disconnect it.

1 Press [🔧] to select "BLUETOOTH".
↳ "READY" is indicated on the display.

2 Select "SC-HC58" from the Bluetooth® device's Bluetooth® menu.
↳ The name of the connected device is indicated on the display for 2 seconds.

3 Start play on the Bluetooth® device.

📖
● 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. The Bluetooth® device will be disconnected if a different audio source (e.g., [CD]) is selected.

Bluetooth® transmission mode

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

Preparation
● Press [🔧] to select "BLUETOOTH".
● If a Bluetooth® device is already connected, disconnect it.

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

2 Press [▲, ▼] to select the mode and then press [OK].
MODE 1: Emphasis on connectivity
MODE 2: Emphasis on sound quality

📖
● The default setting is "MODE 1".

Bluetooth® input level

If the sound input level of the Bluetooth® transmission 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 default setting is "LEVEL 0".

Disconnecting a Bluetooth® device

1 While a Bluetooth® device is connected:
Press [PLAY MENU] to select "DISCONNECT?".

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

Media playback operations

The following marks indicate the availability of the feature.

CD : CD audio in CD-DA format
iPod : Compatible iPod/iPhone/iPad (➔ 23)
AirPlay : When connected to an AirPlay compatible device. (➔ 11)
Bluetooth : Connected Bluetooth® device (➔ 13)

Preparation

- Turn the unit on.
- Insert the media (➔ 7) or connect the Bluetooth® (➔ 13) / AirPlay (➔ 11) compatible device.
- Press [CD], [iPod] or [⑧] to select the audio source.

Basic play
(**CD**, **iPod**, **AirPlay**, **Bluetooth**)

Play (Except **AirPlay**)	Press [▶/❚❚].
Stop	Press [■].
Pause	Press [▶/❚❚]. Press again to restart play.
Skip	Press [❙◀◀/◀◀] or [▶▶/▶▶❙] to skip track.
Search (Except **AirPlay**)	During play or pause Press and hold [❙◀◀/◀◀] or [▶▶/▶▶❙]. • **iPod** : Backwards search is only within the current track.

CD **Bluetooth** **To display information**

Press [DISPLAY] 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 device or the status of the device, some operations may not work.

iPod **To navigate through the iPod/iPhone menu**

- Open the Music App to use this feature with iPod touch/iPhone.
- – [▲, ▼] : To navigate menu items.
- – [OK] : To go to the next menu.
- – [iPod MENU] : To return to the previous menu.

📖

- To view the operation, open the sliding door.
- The operation may vary among iPod/iPhone/iPad models.
- Depending on the model, it may be necessary to select the album, artist, etc. on the iPod/iPhone/iPad.

Playback modes (**CD**, **AirPlay** *1)

Select the playback mode.

1 Press [PLAY MENU] to select "REPEAT" or "RANDOM"/"SHUFFLE".

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

REPEAT

CD	
OFF:	Select to cancel repeat playback.
1-TRACK:	Only plays the selected track. • "1, ♪", " ⟲ " is displayed. (Skip to the desired track)
ALL:	Plays the contents randomly. • " ⟲ " is displayed.

AirPlay
Refer to the connected device to verify the selected setting.

CD RANDOM

ON:	Plays the contents randomly. • "RND" is displayed. • "RND" will not be displayed when "1-TRACK" is selected.
OFF:	Random playback is turned off.

AirPlay SHUFFLE

Refer to the connected device to verify the selected setting.

📖

- When using an iPod/iPhone/iPad or Bluetooth® device, use the setting on the device, if available.
- During random/shuffle play, you cannot skip to the previous track.
- **CD** :The mode is canceled when you open the sliding door for discs. **AirPlay** : The applied settings will remain until it is changed.

*1: **AirPlay** Perform the settings during playback.

Listening to the radio

You can preset up to 30 channels.
Preparation
● Make sure that the FM antenna is connected.
  (➔ 6)
● Turn the unit on.
● Press [RADIO] to select "FM".

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 87.9 or FM 87.5).

  CURRENT:
  To begin auto preset with the current
  frequency.*

  * To change the frequency, refer to "Manual tuning and presetting".

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

Listening to a preset channel

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

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

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
     [|◄◄/◄◄], [►►/►►|] 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 memorized. To do
  so, continue to step 4 of "Manual tuning and
  presetting".

● Select "STEREO" in step 2 to return to stereo
  broadcasts.
● "MONO" is canceled if the frequency is changed.
● If "MONO" is selected, regardless of the type of signal
  this unit is receiving, "FM MONO" is displayed when
  [DISPLAY] is pressed. (➔ below)

■ To display the current signal status

Press [DISPLAY].

  "FM ST": The FM signal is in stereo.

  "FM":   The FM signal is in monaural.

● "FM" is also displayed even if this unit is not
  tuned to a station.

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

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].

Direct-Vocal Surround (D.SURROUND)	"LEVEL 1", "LEVEL 2" or "OFF". ● The factory preset is "OFF".
Preset EQ (PRESET EQ)	"HEAVY" (heavy), "SOFT" (soft), "CLEAR" (clear), "VOCAL" (vocal) or "FLAT" (flat/off). ● The factory preset is "HEAVY".
Bass (BASS) or Treble (TREBLE)	Adjust the level (−4 to +4).
Dynamic Bass (D.BASS)	"ON D.BASS" or "OFF D.BASS". ● The factory preset is "ON D.BASS".

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

Clock and Timer

Setting the clock

This is a 12-hour clock.

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

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

📖

● To display the clock, press [SETUP] to select "CLOCK" and then press [OK] once. The time is displayed for 10 seconds.
  (During standby, press [DISPLAY] once.)
● The clock is reset when there is a power failure or when the AC power supply cord is removed.
● Reset the clock regularly to maintain accuracy.

*1: "CD", "IPOD_DOCK", "IPOD_PORT" and "FM" can be set as the music source.

Play timer

You can set the timer so this unit turns on at a certain time every day.
Preparation
Set the clock (➜ left).

■ **Setting the timer**

1 Press [SETUP] 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].

■ **Turn the timer on**

1 Select the music source*1 and set the desired volume.

2 Press [SETUP] repeatedly to select "TIMER SET".

3 Press [▲, ▼] to select "SET" and then press [OK].
  ● "⏲" is displayed.
  ● To turn the timer off, select "OFF".

4 Press [⏻] to turn the unit off.

📖

● To display the timer settings, press [SETUP] repeatedly to select "TIMER ADJ" and then press [OK] once. The music source and volume will also be displayed if the timer is turned on.
● During standby, if the timer is turned on, press [DISPLAY] twice to display the settings.
● This unit can be used as normal after the timer is set, however:
  – Turn the unit to standby mode before the timer start time.
  – Even if the audio source or the volume is changed, the timer will still use the audio source and volume that was set when the timer was turned on.

Sleep timer

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

1 Press [SETUP] to select "SLEEP".

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

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

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

Others

Automatic standby

As a factory preset, this unit will always turn off automatically if there is no sound output and no operation for approx. 30 minutes.

To cancel this function

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

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

📖
- To turn automatic standby on, select "ON" in step 2.
- This setting cannot be selected when "FM" is the source.

Display brightness

The brightness of this unit's display can be changed.

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

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

📖
To cancel the dimmer, 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] 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", repeat the steps above but replace the button pressed on the remote control from [CD/RADIO] to [🔵].

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.

Preparation

- Turn the unit on.
- Connect this unit to the wireless network. (➔ 8)
  - Make sure that the wireless network is connected to the Internet.
  - If "D.CONNECT" is set to "ON", change the setting to "OFF" and connect this unit to a wireless network that is connected to the Internet.

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

2 Press [▲, ▼] to select "UPDATE? Y" and then press [OK] to start the update.

DO NOT DISCONNECT the AC power supply cord while one of the following messages is displayed.
- "LINKING", "UPDATING" or "□□□%"
  (" □ " stands for a number.)
- During the update process, no other operations can be performed.

---

3 When the update has finished successfully, "SUCCESS" is displayed.

4 Disconnect the AC power supply cord and reconnect it after 3 minutes.

- **Downloading will require several minutes. It may take longer or may not work properly depending on the connection environment.**

📖
- If you do not want to update the unit, select "UPDATE? N" and then press [OK] in step 2.
- If there are no updates, "NO NEED" is displayed after step 2.

■ Checking the software version

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

   ↳ The version of the installed software is displayed.

2 Press [OK] to exit.

Wi-Fi signal strength

To check the Wi-Fi signal strength where the unit is located.
Preparation

Connect this unit to the wireless network. (➜ 8)

1 Press [SETUP] repeatedly to select "SIG.LEVEL" and then press [OK].

● The unit's display shows "LEVEL □".
(" □ " stands for a number.)

2 Press [OK] to exit this display mode.

📖

● It is recommended to have a signal strength of "3". Change the position or angle of your wireless network router or the unit if the indication is "2" or "1" and see if the connection improves.
● If "LEVEL 0" is displayed, this unit cannot establish a link with the wireless network router. (➜ 21)
● This function does not work when "D.CONNECT" is set to "ON".

Network standby

This unit can turn on automatically from standby mode when this unit is selected as the AirPlay speakers.
Preparation

Connect this unit to the wireless network. (➜ 8)

1 Press [SETUP] repeatedly to select "NET STNBY" and then press [OK].

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

📖

● To cancel this function, select "OFF" in step 2.
● The factory preset is "OFF". If this function is set to "ON" the standby power consumption will increase.

Wireless network name (SSID)

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

1 Press and hold [– NETWORK SETUP] on the unit and [OK] on the remote control until the unit's display shows the SSID.

2 Press [OK] to exit.

📖

● If "NOCONNECT" is displayed this unit is not connected to a wireless network.
● All letters are displayed as capital letters, and characters that cannot be displayed are replaced with "*".

IP/MAC Address

To check the unit's IP address or the Wi-Fi MAC address.

1 Press and hold [– NETWORK SETUP] on the unit and [▼] on the remote control until the unit's display shows the IP address.

↳ The IP address is partially displayed.
● To display the MAC address on the unit, repeat the steps above by replacing [▼] with [▲].

2 Press [▲, ▼] on the remote control to show the rest of the IP address.

📖

● To exit the setting, wait 20 sec.
● The " – " displayed on the top or bottom left of the display indicate the first and last units respectively.

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated in the following guide do not solve the problem, refer to "Customer Services Directory (United States and Puerto Rico)" on page 30 if you reside in the U.S.A. or Puerto Rico, or refer to "Limited Warranty (ONLY FOR CANADA)" on page 31 if you reside in Canada

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To return all settings to the factory preset

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 power supply cord. (Wait for at least 3 minutes before proceeding to step ②.)

② While pressing and holding down [⏻/I] on the unit, reconnect the AC power supply cord.
   ● "--------" appears on the display.

③ Release [⏻/I].

📖

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

Do you have the latest software installed?

● Occasionally, Panasonic may release updated software for this unit that may add or improve the way a feature operates. (➔ 17)

Common problems

Humming heard during play.

● An AC power supply cord or fluorescent light is near the cords. Keep other appliances and cords away from this unit's cables.

Disc operations

Incorrect display or play will not start.

● Make sure that the disc is compatible with this unit. (➔ 23)
● There is moisture on the lens. Wait for about an hour and then try again.

Radio

A beat sound or noise is heard while receiving radio broadcast.

● Confirm the FM antenna is properly connected. (➔ 6)
● Adjust the position of the antenna.
● Try to keep a certain amount of distance between the antenna and AC power supply cord.
● Try using an outdoor antenna if there are buildings or mountains nearby.
● Switch the television or other audio players off or separate it from this unit.
● Keep this unit away from mobile phones if the interference is apparent.

Stations cannot be selected.

Change the FM frequency step.

① Press [RADIO] to select "FM".

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.

iPod/iPhone/iPad operations

Cannot charge or operate.

● Have you selected the appropriate selector?
  Press [iPod] to select either "IPOD_DOCK" or "IPOD_PORT".
● Check that the iPod/iPhone/iPad is connected properly. (➔ 7)
● The battery of the iPod/iPhone/iPad is depleted. Charge the iPod/iPhone/iPad, and then operate again.
● Connect the iPod/iPhone/iPad again or try to restart the iPod/iPhone/iPad.
● When this unit is in standby mode, charging will not start when using the USB cable connection. Turn this unit on and make sure the charging has started before switching this unit to standby mode.

AirPlay operations

Cannot connect to the network

● Confirm the network connection and settings. (➔ 8)
● Your wireless network might be set to be invisible. In this case select "Manual settings" in "Method 3". (➔ 9)
● This unit cannot join a wireless network using WEP security settings with the WPS methods ("Method 2"). Use "Method 3" to join the wireless network. (➔ 9)
● Make sure that the multicast function on the wireless network router is set to on (enabled).
● When "D.CONNECT" is used, the password of the network is changed each time the function is turned off. Turn the function off and on again to retrieve a new password.

Cannot connect to the unit

- Display the wireless network name that this unit is connected to and make sure that the device is connected to the same network. (➜ 8)
- If "NET STNBY" is set to "OFF", the AirPlay compatible device cannot be connected when this unit is off.
- Turn off the Wi-Fi setting on the AirPlay compatible device, set "NET STNBY" to "OFF" (➜ 18) and then turn this unit off and on. Reconnect the compatible device to the Wi-Fi network and then select this unit as the AirPlay speakers again.

My wireless network router is WPS PBC compatible, but the pairing does not work.

- If the network is set to be invisible, the push button configuration does not work. In this case, either make the wireless network visible while you set up the network for this unit or use "Method 1" or "Method 3". (➜ 9)

Playback does not start
The sound is interrupted

- Simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions.
  Increase the distance between this unit and these devices.
- Do not place this unit inside a metal cabinet, for it might block the Wi-Fi signal.
- Place this unit closer to the wireless network router.
- If "D.CONNECT" is set to "ON", place the device closer to this unit.
- If several wireless devices are simultaneously using the same wireless network as this unit, try turning off the other devices or reducing their wireless network usage.
- If the playback stops, check the playback status on the iOS device or iTunes.
- If play does not start (even though the Wi-Fi status indicator lights in blue and the AirPlay ▨ icon is displayed), restart the wireless network router, turn the Wi-Fi connection on the iOS device or Mac/PC off and on, and then make sure that your home wireless network is selected.
- If the AirPlay ▨ icon is not displayed even if Wi-Fi status indicator lights in blue, try restarting the wireless network router.
- With some iOS and iTunes versions, it may not be possible to restart the AirPlay playback if the selector is changed (e.g., "CD") or the unit is turned off, during the AirPlay playback.
  In this case, select a different device from the AirPlay icon of the Music App or iTunes and then re-select this unit as the output speakers. (➜ 11)

Bluetooth®

Pairing cannot be done.

- Check the Bluetooth® device condition.

The device cannot be connected.

- The pairing of the device was unsuccessful or the registration has been replaced. Try pairing the device again.
- This unit might be connected to a different device. Disconnect the other device and try pairing the device again.

The device is connected but audio cannot be heard through this unit.

- For some built-in Bluetooth® devices, you have to set the audio output to "SC-HC58" manually. Read the operating instructions for the device for details.

The sound is interrupted.

- The device is out of the 10 m (33 ft) communication range. Bring the Bluetooth® device closer to this unit.
- Remove any obstacle between this unit and the device.
- Other devices that use the 2.4 GHz frequency band (wireless LAN, microwaves, cordless phones, etc.) are interfering. Bring the Bluetooth® device closer to this unit and distance it from the other devices.
- Select "MODE1" for stable communication. (➜ 13)

Remote control

The remote control doesn't work properly.

- The remote control and this unit are using a different code. (⇨ right, "REMOTE □")
- Is the battery depleted or is the battery inserted incorrectly? (➜ 5)

Messages

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

"--:--"

- You plugged the AC power supply cord 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 30 minutes and will shut down within a minute. Press any button to cancel it.

"CANNOT SET"

● Select an audio source other than "AIRPLAY" or "BLUETOOTH".

"CHECKING CONNECTION"

● The unit is checking the connected iPod/iPhone/iPad.

● If this display keeps appearing, make sure that the battery of the iPod/iPhone/iPad is not depleted and that the iPod/iPhone/iPad is turned on and connected correctly (➜ 7).

"DIMMER"

● Appears 10 seconds after the volume is turned to "0".

"DL ERROR"

● The software download has failed. Press any button to exit. Please try again later.

● The server cannot be found. Press any button to exit. Make sure that the wireless network is connected to the Internet.

"ERROR"

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

"F □□" (" □ " stands for a number.)

● There is a problem with this unit.
Note down the displayed number, disconnect the AC supply cord and consult your dealer.

"FAIL"

● Updating or setting has failed. Read the instructions and try again.

"ILLEGAL OPEN"

● Sliding door is not in correct position. Turn the unit off and on again. If this display appears again, consult the dealer.

"IPOD_DOCK OVER CURRENT ERROR"
"IPOD_PORT OVER CURRENT ERROR"

● The iPod/iPhone/iPad is drawing too much power. Disconnect the iPod/iPhone/iPad and turn the unit off and on again.

"LEVEL 0"

● There is no link between this unit and the wireless network router.
Try the following operations:
– Check that the wireless network router is turned on.
– Turn this unit off and on again.
– Reset the wireless network settings. (➜ 8)
If the problem persists, consult your dealer.

"LINKING"

● This unit is communicating with the wireless network router to complete the network settings.
Depending on the wireless network router this process may take a few minutes. Try moving this unit closer to the wireless network router.

"NOCONNECT"

● This unit is not connected to the network.
Check the network connection. (➜ 8)

"NODEVICE"

● The iPod/iPhone/iPad device is not inserted correctly. Read the instructions and try again (➜ 7).

● The battery of the iPod/iPhone/iPad is depleted. Charge the iPod/iPhone/iPad and turn it on before connecting.

"NO DISC"

● Insert a disc to be played (➜ 7).

"NO PLAY"

● A CD that is not in CD-DA format is inserted. It cannot be played.

"NOT SUPPORTED"

● You have connected an iPod/iPhone/iPad that cannot be played (➜ 23).

● If the iPod/iPhone/iPad is compatible, turn it on and connect it correctly.

● The connected iPod touch/iPhone/iPad is not connected to a wireless network. Connect it to a wireless network and try again. (➜ 8)

"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 more than 4 seconds.
– When "REMOTE 2" is displayed, press and hold [OK] and [CD/RADIO] for more than 4 seconds.

"SET WI-FI"

● The connected iPod touch/iPhone/iPad is not connected to a wireless network. Connect it to a wireless network and try again. (➜ 8)

Specifications

■ GENERAL

Power consumption	38 W
Power consumption in standby mode*1*	
	Approx. 0.1 W
Power consumption in standby mode (With the iPod dock out)	
	Approx. 0.4 W
(With "NET STNBY" set to "ON")	
	Approx. 6.3 W
Power supply	AC 120 V, 60 Hz

Dimensions (W×H×D)

500 mm×204 mm×84 mm
(19 $^{11}/_{16}$″×8 $^{1}/_{32}$″×3 $^{5}/_{16}$″)
(Depth without stand: 75 mm (3″))

Mass (Weight)

Approx. 2.6 kg (5.7 lbs)

Operating temperature range

0 °C to +40 °C (+32 °F to +104 °F)

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 (6 Ω), 1 kHz, 10 % THD

Total RMS Stereo mode power

40 W

FTC Output Power Stereo mode

Front Ch (both ch driven)

15 W per channel (6 Ω),
20 Hz to 20 kHz, 1 % THD

Total FTC Stereo mode power

30 W

■ TUNER SECTION

Preset Memory	FM 30 stations

Frequency Modulation (FM)

Frequency range

87.9 MHz to 107.9 MHz (200 kHz step)
87.5 MHz to 108.0 MHz (100 kHz step)

Antenna terminals

75 Ω (unbalanced)

■ DISC SECTION

Disc played [8 cm (3″) or 12 cm (5″)]

CD, CD-R/RW (CD-DA)

Pick up

Wavelength	790 nm (CD)

Audio output (Disc)

Number of channels	2 ch (FL, FR)

■ SPEAKER SYSTEM SECTION

Type

1 way, 1 speaker system (Passive Radiator)

Speaker unit(s)

Full range

6.5 cm (2 $^{1}/_{2}$″) Cone type×1 per channel

Passive Radiator

8 cm (3 $^{1}/_{8}$″)×2 per channel

Impedance	6 Ω

■ TERMINAL SECTION

Lightning Connector	DC OUT 5 V, 1.0 A MAX
iPod Port	DC OUT 5 V, 2.1 A MAX
Phone jack	
Terminal	Stereo, ∅3.5 mm ($^{1}/_{8}$″) jack

■ Wi-Fi / AirPlay SECTION

Wi-Fi

WLAN Standards	IEEE802.11b/g
Frequency range	2.4 GHz band
Security	WEP, WPA™, WPA2™
WPS version	
	Version 2.0 (WEP not support)

■ BLUETOOTH SECTION

Bluetooth system specification	V 3.0
Wireless equipment classification	Class 2
Supported profiles	A2DP, AVRCP, GAVDP
Frequency band	2402 MHz to 2480 MHz
	(Adaptive Frequency Hopping)
Driving distance	10 m (33 ft) 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: When the iPod/iPhone/iPad is not charging and the sliding door is closed.

Playable media

Compatible iPod/iPhone/iPad

Compatible with Lightning connector

iPod touch (5th generation)
iPod nano (7th generation)
iPhone 5

Compatible with iPod port connection

iPod touch 1st, 2nd, 3rd, 4th, and 5th generation
iPod nano 2nd, 3rd, 4th, 5th, 6th, and 7th generation
iPhone 5 / iPhone 4S / iPhone 4 / **iPhone 3GS / iPhone 3G / iPhone**
iPad (1st, 3rd, and 4th generation) **/** **iPad 2** (2nd generation)
iPad mini

(as of December 2012)

- Compatibility depends on the software version. Update your iPod/iPhone/iPad 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.

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.
- This unit cannot play back MP3 files.

Note about using a DualDisc
- The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so play may not be possible.
- Do not use a DualDisc in this unit as it may not be possible to insert it correctly and it may get scratched or scraped.

Compatible AirPlay devices

iOS 4.3.3 or later
iPod touch 3rd, 4th, and 5th generation
iPhone 5 / iPhone 4S / iPhone 4 / iPhone 3GS
iPad (1st, 3rd, and 4th generation) **/** **iPad 2** (2nd generation)
iPad mini
iTunes 10.2.2 or later (Mac / PC)

(as of December 2012)

Note about using AirPlay
- Simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions.
- For up to date compatibility information on your wireless network router refer to
http://panasonic.jp/support/global/cs/
(This site is in English only.)

Attaching the unit to a wall (optional)

Installation accessories

■ Supplied accessories
- 1 Safety holder
- 1 Screw
- 2 Wall mount brackets

■ Commercially available accessories (not supplied)
- 4 Wall mount bracket fixing screws
- 1 Safety holder fixing screw
- 1 Fall prevention cord
- 1 Screw eye

> - **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.**

📖

Use screws with a nominal diameter of 4 mm ($5/32''$), which are suitable to the material of the wall (e.g., wood, steel, concrete, etc.)

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.**
> - **Be sure to install this unit as indicated within this Owner's Manual.**

Wall mount instructions

> **Before installation, turn the unit off and disconnect the AC power supply cord from the AC outlet.**

1 Detach the stand from the unit.
- ↳ Unscrew the fixing screw (2 pieces) at the bottom of the unit.
- ↳ Gently pull the stand off the unit as illustrated.
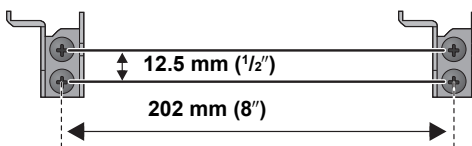- Keep the removed screws and stand in a safe place.
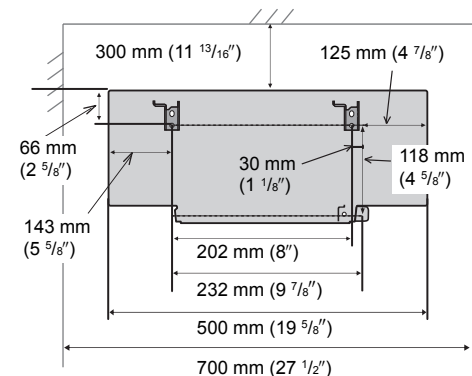

Bottom of the unit
Stand
Fixing screw
Soft blanket or cloth
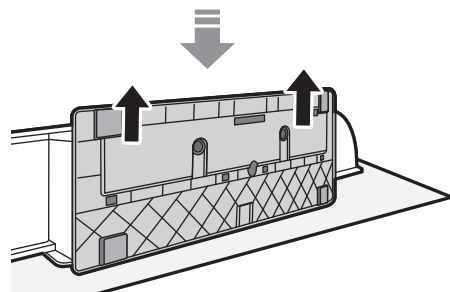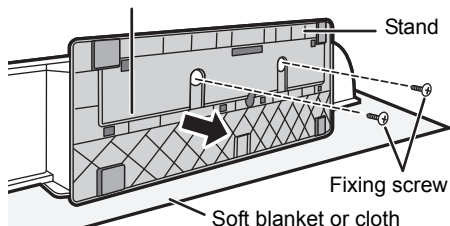
2 Measure and mark the position of the wall mount brackets (Both sides).
- ↳ Use figures below to identify the screwing positions.

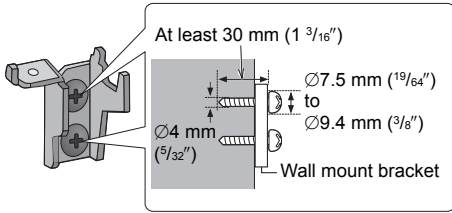**The position to attach the wall mount brackets**

12.5 mm ($1/2''$)
202 mm ($8''$)

Space required

300 mm (11 $13/16''$) 125 mm (4 $7/8''$)
66 mm (2 $5/8''$)
30 mm (1 $1/8''$)
118 mm (4 $5/8''$)
143 mm (5 $5/8''$)
202 mm ($8''$)
232 mm (9 $7/8''$)
500 mm (19 $5/8''$)
700 mm (27 $1/2''$)

3 Attach the wall mount bracket to the wall with 2 screws (not supplied). (Both sides)

- Use a spirit level to ensure both wall mount brackets are level.
- Make sure that the screw used and the wall are strong enough to support the weight of at least 33 kg (72.8 lbs).

At least 30 mm (1 $^3/_{16}$″)

$\varnothing$7.5 mm ($^{19}/_{64}$″) to $\varnothing$9.4 mm ($^3/_8$″)

$\varnothing$4 mm ($^5/_{32}$″)

Wall mount bracket

4 Fix the safety holder onto the unit with the screw (supplied).

↳ Screw tightening torque: 50 N•cm (0.4 lbf•ft) to 70 N•cm (0.5 lbf•ft).
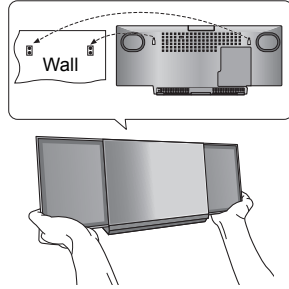
Screw (supplied)
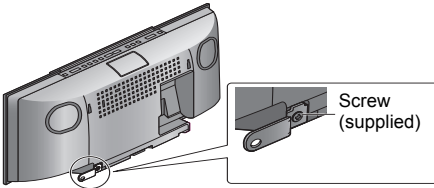
5 Attach the fall prevention cord (not supplied) to this unit.

- Use a cord that is capable of supporting over 33 kg (72.8 lbs) (with a diameter of about 1.5 mm ($^1/_{16}$″)).
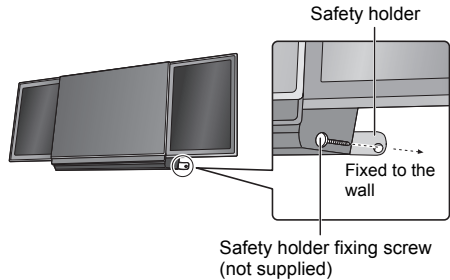
Cord (not supplied)
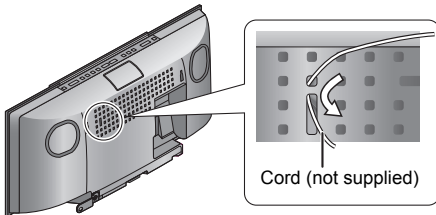
6 Hook the unit securely onto the wall mount brackets with both hands.

- Connect the FM antenna and the AC power supply cord to the unit before hanging the unit onto the wall. (→ 6)
- After hanging the unit, release your hand carefully to confirm the unit sits securely on the wall.

Wall

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

- Make sure that the screw used and the wall are strong enough to support the weight of at least 33 kg (72.8 lbs).
- Refer to step 3 for requirements before screwing.

Safety holder

Fixed to the wall

Safety holder fixing screw (not supplied)

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

- Make sure that the screw used and the wall are strong enough to support the weight of at least 33 kg (72.8 lbs).
- Make sure that the slack of the cord is minimal.

Screw eye (not supplied)

Cord (not supplied)

Wall

Licenses

Made for
iPod iPhone iPad

AirPlay
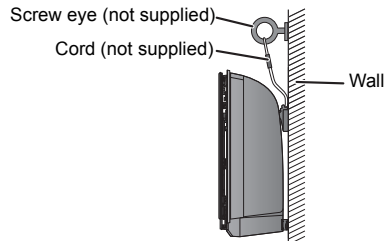
"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards.

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.

AirPlay, the AirPlay logo, iPad, iPhone, iPod, iPod classic, iPod nano, and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries.

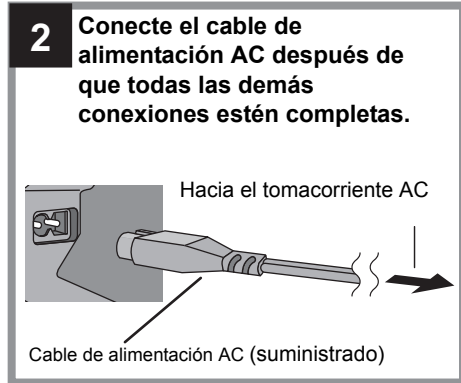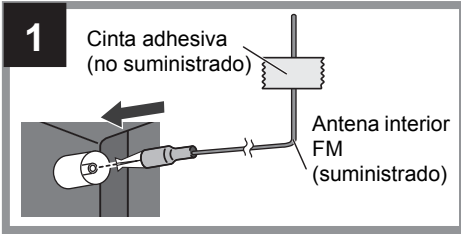WiFi CERTIFIED WI-FI PROTECTED SETUP

The Wi-Fi CERTIFIED Logo is a certification mark of the Wi-Fi Alliance.
The Wi-Fi Protected Setup Mark is a mark of the Wi-Fi Alliance.
"Wi-Fi", "Wi-Fi Protected Setup", "WPA" and "WPA2" are marks or registered marks of the Wi-Fi Alliance.
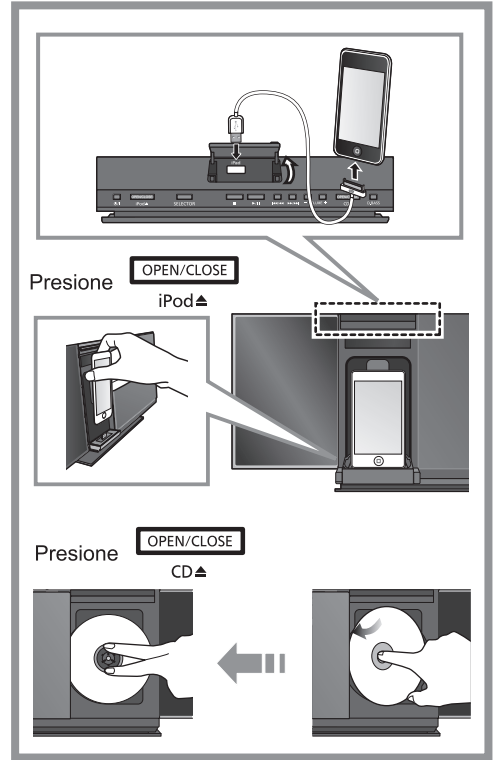
The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Panasonic Corporation is under license. Other trademarks and trade names are those of their respective owners.

Spanish Quick Reference / Referencia rápida en español

Conexiones

1 Cinta adhesiva (no suministrado)

Antena interior FM (suministrado)

2 Conecte el cable de alimentación AC después de que todas las demás conexiones estén completas.

Hacia el tomacorriente AC

Cable de alimentación AC (suministrado)

● Consumo de energía en Standby (modo de espera): Aprox. 0,1 W

Insertar o sacar los medios

Presione `OPEN/CLOSE`

iPod ▲

Presione `OPEN/CLOSE`

CD ▲

Operaciones de reproducción de medios

Preparación
● Encienda la unidad.
● Inserte el medio. (➔ arriba)
● Presione [CD] o [iPod] para seleccionar la fuente de audio.

Reproducción básica

Reproducir	Presione [▶/▐▐].
Detención	Presione [■].
Pausa	Presione [▶/▐▐]. Presione nuevamente para reiniciar la reproducción.
Saltear	Presione [▐◀◀/◀◀] o [▶▶/▶▶▐] para saltear una pista.
Búsqueda	Durante la reproducir o pausa Mantenga presionado [▐◀◀/◀◀] o [▶▶/▶▶▐].

Reloj y temporizador

Ajuste del reloj

Éste es un reloj de 12 horas.

1 Presione [SETUP] para seleccionar "CLOCK".

2 Presione [▲, ▼] para seleccionar la hora y luego presione [OK].

Limited Warranty
(ONLY FOR U.S.A. AND PUERTO RICO)

Panasonic Consumer Marketing Company of North America,
Division of Panasonic Corporation of North America
One Panasonic Way, Secaucus, New Jersey 07094

Panasonic Products Limited Warranty

Limited Warranty Coverage
(For USA and Puerto Rico Only)

If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Marketing Company of North America (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Product or Part Name	Parts	Labor
Compact Stereo System	1 Year	1 Year
All included Accessories (Except Non-Rechargeable Batteries)	90 Days	Not Applicable
Only Non-Rechargeable Batteries	10 Days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. This Limited Warranty excludes both parts and labor for non-rechargeable batteries, antennas, and cosmetic parts (cabinet). This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is".

Mail-In Service

For assistance in the U.S.A. and Puerto Rico in obtaining repairs, please ship the product prepaid to:

Panasonic Exchange Center
4900 George McVay Drive
Suite B
McAllen, TX 78503
panacare@us.panasonic.com

Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at www.panasonic.com/repair.

When shipping the unit, carefully pack, include all supplied accessories listed in the Owner's Manual, and send it prepaid, adequately insured and packed well in a carton box. When shipping Lithium Ion batteries please visit our Web Site at www.panasonic.com/BatteryHandling as Panasonic is committed to providing the most up to date information. Include a letter detailing the complaint, a return address and provide a daytime phone number where you can be reached. A valid registered receipt is required under the Limited Warranty.

IF REPAIR IS NEEDED DURING THE WARRANTY PERIOD, THE PURCHASER WILL BE REQUIRED TO FURNISH A SALES RECEIPT/ PROOF OF PURCHASE INDICATING DATE OF PURCHASE, AMOUNT PAID AND PLACE OF PURCHASE. CUSTOMER WILL BE CHARGED FOR THE REPAIR OF ANY UNIT RECEIVED WITHOUT SUCH PROOF OF PURCHASE.

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation,

set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE".
THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.
(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.)
ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.
This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:
http://www.panasonic.com/help
or, contact us via the web at:
http://www.panasonic.com/contactinfo
You may also contact us directly at:
1-800-211-PANA (7262)
Monday-Friday 9am-9pm,
Saturday-Sunday 10am-7pm EST

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:
http://www.pstc.panasonic.com
Or, send your request by E-mail to:
npcparts@us.panasonic.com
You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday-Friday 9am-9pm EST)
Panasonic National Parts Center
20421 84th Ave S., Kent, WA 98032
(We accept Visa, MasterCard, Discover Card, American Express)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

As of October 2012

The model number and serial number of this product can be found on either the back or the bottom of the unit.
Please note them in the space provided below and keep for future reference.

MODEL NUMBER   SC-HC58

SERIAL NUMBER

User memo:
DATE OF PURCHASE
DEALER NAME
DEALER ADDRESS

TELEPHONE NUMBER

RQT9754

Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

EXCHANGE PROGRAM

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship under normal use and for a period as stated below from the date of original purchase agrees to, at its option either (a) repair your product with new or refurbished parts, (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by Panasonic Canada Inc.

Panasonic Portable / Clock Radio (without Tape, CD, MD)	**One (1) year**
Panasonic Audio Product	**One (1) year**
Panasonic DVD Product	**One (1) year**
Accessories including rechargeable batteries	**Ninety (90) days**

This warranty is given only to the original purchaser, or the person for whom it was purchased as a gift, of a Panasonic brand product mentioned above sold by an authorized Panasonic dealer in Canada and purchased and used in Canada, which product was not sold "as is", and which product was delivered to you in new condition in the original packaging.

IN ORDER TO BE ELIGIBLE TO RECEIVE WARRANTY SERVICE HEREUNDER, A PURCHASE RECEIPT OR OTHER PROOF OF DATE OF ORIGINAL PURCHASE, SHOWING <u>AMOUNT PAID AND PLACE OF PURCHASE</u> IS REQUIRED

<u>LIMITATIONS AND EXCLUSIONS</u>

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by Panasonic Canada Inc., or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than an Authorized Servicer, or damage that is attributable to acts of God.

Dry cell batteries are also excluded from coverage under this warranty.

THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. (As examples, this warranty excludes damages for lost time, travel to and from the Authorized Servicer, loss of or damage to media or images, data or other memory or recorded content. This list of items is not exhaustive, but for illustration only.)

In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable. This warranty gives you specific legal rights and you may have other rights which vary depending on your province or territory.

<u>CONTACT INFORMATION</u>

For product information and operation assistance, please contact:

Our Customer Care Centre: Telephone #:   1-800-561-5505
Fax #:   (905) 238-2360
Email link: "Support → contact us → email" on <u>www.panasonic.ca</u>

For defective product exchange within the warranty period, please contact the original dealer or our Customer Care Centre.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.

FCC Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

● Reorient or relocate the receiving antenna.
● Increase the separation between the equipment and receiver.
● Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
● Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:
Panasonic Corporation of North America
One Panasonic Way,
Secaucus, NJ 07094

Support Contact:
Panasonic Consumer Marketing Company of North America
Telephone No.: 1-800-211-PANA (7262)

THE FOLLOWING APPLIES IN THE U.S.A. AND CANADA

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm (7 $^7/_8''$) or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

THE FOLLOWING APPLIES ONLY IN CANADA.

This device complies with RSS-GEN, RSS-210 of the IC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference,
(2) This device must accept any interference received, including interference that may cause undesired operation of this device.

As an ENERGY STAR® Partner※, Panasonic has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

※For Canada only: The word "Participant" is used in place of the word "Partner".

Bluetooth®

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