# Panasonic®

## Operating Instructions
## Compact Stereo System
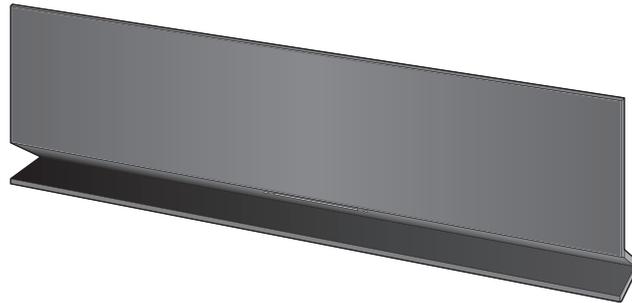
Model No. SC-AP01

*Getting started*

*Network settings*

*Operations*

*Reference*

Thank you for purchasing this product.
For optimum performance and safety, please read these instructions carefully.
Please keep this manual for future reference.

Model number suffix "EB" denotes UK models.

EB GN

RQT9658-B

**Confidential** until 2012/03/09

# Caution for AC Mains Lead

## (For the United Kingdom and Ireland)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.
Check for the ASTA mark ⊛ or the BSI mark ⧖ on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover the plug must not be used until a replacement cover is obtained.
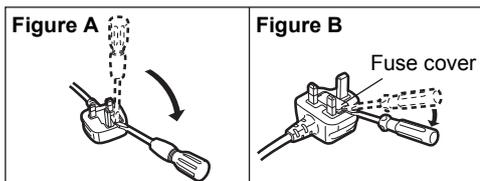A replacement fuse cover can be purchased from your local dealer.
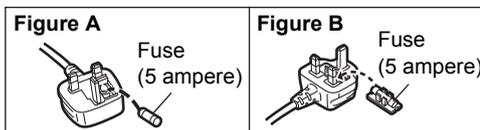
### Before use
Remove the connector cover.

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

1. Open the fuse cover with a screwdriver.

| Figure A | Figure B |
|---|---|
| | Fuse cover |

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

| Figure A | Figure B |
|---|---|
| Fuse (5 ampere) | Fuse (5 ampere) |

**2**

RQT9658

# Licenses



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



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.

### Safety information for customers in the United Kingdom and Ireland

CE1177①

**Declaration of Conformity (DoC)**
Hereby, "*Panasonic Corporation*" declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
Customers can download a copy of the original DoC to our R&TTE products from our DoC server:
http://www.doc.panasonic.de
Contact to Authorised Representative: Panasonic Marketing Europe GmbH,
Panasonic Testing Centre, Winsbergring 15, 22525 Hamburg, Germany

This product is intended to be used in the following countries.
GB, IE

This product is intended for general consumer. (Category 3)

**Gaeilge**
**Dearbhú Comhréireachta (DoC)**
Leis seo, dearbhaíonn "*Panasonic Corporation*" go bhfuil an táirge seo i gcomhréir le riachtanais riachtanacha agus forálacha ábhartha eile den Treoir 1999/5/EC.
Féadfaidh custaiméirí coip dár nDearbhú Comhréireachta (DoC) bunaidh dár dtáirgí R&TTE ónár bhfreastalaí um Dhearbhú Comhréireachta (DoC):
http://www.doc.panasonic.de
Mionsonraí Teagmhála Ionadaí Údaraithe: Panasonic Marketing Europe GmbH,
Panasonic Testing Centre, Winsbergring 15, 22525 Hamburg, An Ghearmáin

Tá an táirge seo ceaptha chun a úsáid sna tíortha seo a leanas.
GB, IE

Tá an táirge seo ceaptha don ghnáth-thomhaltóir. (Catagóir 3)

# 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.

## 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.
- Install this unit so that the AC mains lead can be unplugged from the socket outlet immediately if any problem occurs.

### CAUTION

## Unit

- Do not place sources of naked flames, such as lighted candles, on this unit.
- This unit may receive radio interference caused by mobile telephones during use. If such interference occurs, please increase separation between this unit and the mobile telephone.
- This unit is intended for use in moderate climates.

## Placement

- 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.

## AC adaptor

This AC adaptor operates on AC between 100 V and 240 V.
But
- Obtain a suitable plug adaptor if the plug does not fit the AC mains socket.

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

# Table of contents

*Getting started*

# Accessories

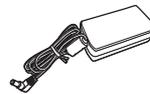Check the supplied accessories before using this unit.

**1 AC mains lead**

☐ For the United Kingdom, Ireland (K2CZ3YY00024)

☐ For Australia and New Zealand (K2CJ2DA00008)

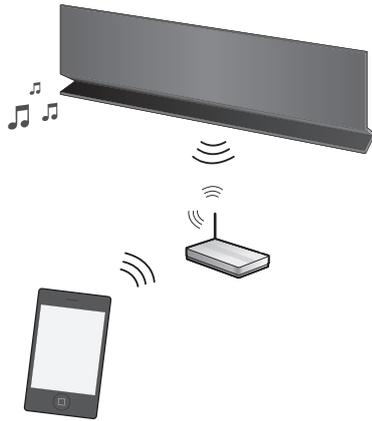☐ **1 AC adaptor** (RFEA229E-AH)

Product numbers provided in this Operating Instructions are correct as of March 2012. These may be subject to change.

**3**

## About this product

### Listening to music with AirPlay

With this product, you can wirelessly stream music from the compatible device (⇨ below) to this unit's speakers.

### Compatible devices

AirPlay works with;
● iOS 4.2 or later
  − iPod touch (2nd, 3rd, and 4th generation),
  − iPhone 4S, iPhone 4, iPhone 3GS,
  − iPad 2, iPad
● iTunes 10.2 or later
  − Mac / PC

(as of March 2012)

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

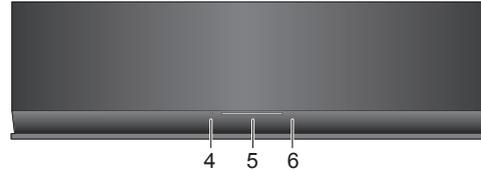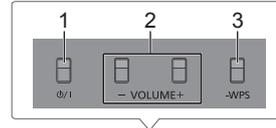### Operations with the remote control app

It is possible to adjust the volume, turn this unit on or switch it to standby mode, and adjust various other features from the screen of your iPhone or iPod touch.
Install this specific application onto your iPhone or iPod touch to use this unit. (⇨ 10)

This application is specially made for iPhone and iPod touch.

## Control reference guide

1 Standby/on switch [⏻/I]
2 Adjust the volume
3 WPS pairing button
4 Power on indicator
5 Wi-Fi® status indicator
6 Operation indicator

## Unit care

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

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

● When the unit is very dirty, 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 a chemically treated cloth, carefully read the instructions that came with the cloth.
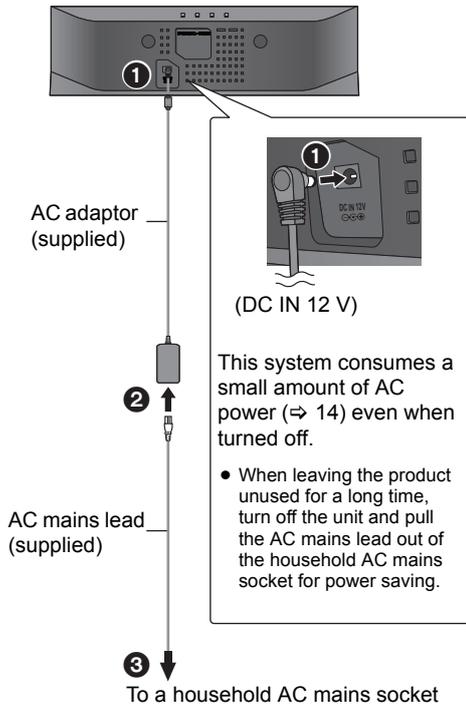
### ■ To dispose or transfer this unit

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. (⇨ 13, "To return all settings to the factory preset")
● The operation history may be recorded in the memory of this unit.

# Connections

Connect the AC adaptor to the household AC mains socket.



AC adaptor (supplied)

(DC IN 12 V)

This system consumes a small amount of AC power (⇨ 14) even when turned off.

● When leaving the product unused for a long time, turn off the unit and pull the AC mains lead out of the household AC mains socket for power saving.

AC mains lead (supplied)

❸ To a household AC mains socket

---

**For the United Kingdom and Ireland**

BE SURE TO READ THE CAUTION FOR THE AC MAINS LEAD ON PAGE 2 BEFORE CONNECTION.

---

📖

● Do not use any other AC adaptors except the supplied one.
● The unit is in the standby condition when the AC adaptor is connected. The primary circuit is always "live" as long as the AC adaptor is connected to an electrical outlet.
● These speakers do not have magnetic shielding. Do not place them near a television, personal computer or other devices easily influenced by magnetism.
● When moving this unit, be sure to remove the USB cable and turn this unit to standby mode.
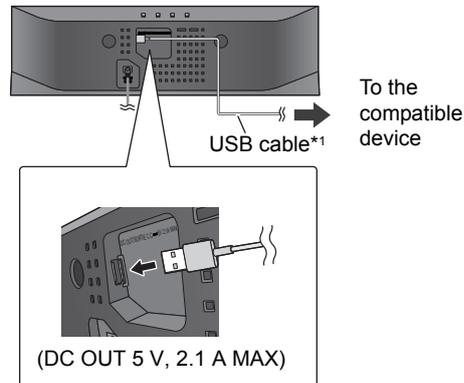
---

**Charging from the USB port**

When this unit is turned on and a portable music player that is compatible to USB charging is connected to this unit's USB port, charging will start automatically.

● It is not possible to play back the music on the connected device from this unit's speakers or operate the device from this unit through this connection.
● Refer to the operating instructions of the device for details about charging.

**Preparation**
Turn this unit on.

**1** Connect the compatible device to this unit with an appropriate USB cable.



To the compatible device

USB cable*1

(DC OUT 5 V, 2.1 A MAX)

● Refer to the connected device to check if the device is fully charged.

**2** Once fully charged, remove the USB cable from this unit.

📖

● There is no charging during standby mode.
● This unit is capable of charging up to a load of 2.1 A.
● When fully charged, this unit will not stop the charging automatically. Remove the USB cable from this unit once the connected device is fully charged.

---

*1: The USB cable is not supplied with this unit. Use the USB cable that is supplied with the compatible device. If a USB cable is not supplied with the device, be sure to use an appropriate USB cable.
Refer to the operating instructions of the device for details about the appropriate USB cable.

**5**

# Network settings

To use the AirPlay function, this unit must join the same wireless network as the compatible device. (⇨ 4)

**1** Press **[⏻/I]** to turn the unit on.

- Only the power on indicator lights when the wireless network is not set.

Lights red

**2** Check which type of wireless network router you are using.

### ■ "Method 1" :

If your wireless network router supports WPS (Wi-Fi Protected Setup™).

### ■ "Method 2" :

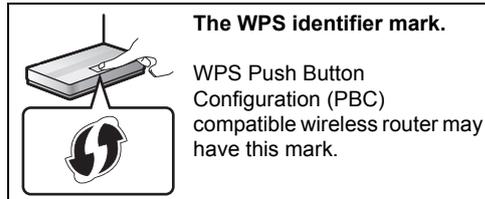If your wireless network router does not support WPS (Wi-Fi Protected Setup™).

- Refer to the operating instructions of the wireless network router for details.

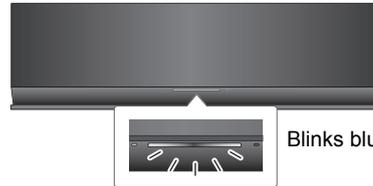If you do not know which type of wireless network router you are using, use "Method 2".

📖

- When performing the network settings, place this unit close to the wireless router.
- Simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions.
- Immediately after this unit is turned on, the network setup may take longer to start.
- This unit cannot join a wireless network using WEP security settings with "Method 1". Use "Method 2" to join the wireless network.
- To cancel the setting in the middle, press [⏻/I] to turn off the unit.
- For up-to-date compatibility information on your Wireless router refer to
  **http://panasonic.jp/support/global/cs/**
  (This site is in English only.)

## Method 1
If your wireless network router supports WPS.

■ <u>Using the WPS Push Button Configuration (PBC)</u>

**The WPS identifier mark.**

WPS Push Button Configuration (PBC) compatible wireless router may have this mark.

**1** Press and hold **[– WPS]** on the unit for more than 2 seconds.

- Complete step 2 within 2 mins.

Blinks blue

**2** Press the WPS button on the wireless router.

**3** The unit's settings are completed when the Wi-Fi® status indicator **stops blinking** after about 2 minutes and **lights blue**.

The Wi-Fi® status indicator turns off if the connection was not made within the set time limit. Try the setting again. If the Wi-Fi® status indicator still turns off, try "Method 2".

**4** To use AirPlay, turn to page 9.

📖

- To use the WPS PIN code, refer to the notes on page 8.
- To edit this system's name, it is necessary to use "Method 2". (⇨ 8, "Additional settings")

## Method 2
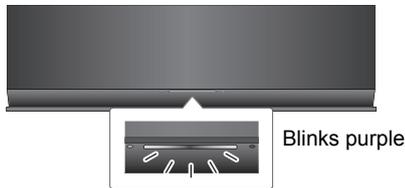If your wireless network router does not support WPS.

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.

**Preparation**
● Turn on your iPhone.

**1** Press and hold both **[VOLUME +]** and **[– WPS]** on this unit for more than 2 seconds.
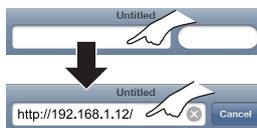
Blinks purple

● If the indicator blinks blue, turn the unit off and on and repeat step 1.

**2** Connect your iPhone to this unit's wireless network named "**Setup _ _ _ _ _ _**".*1, 2
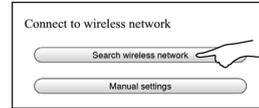
| Settings | Wi-Fi Networks |
| --- | --- |
| Wi-Fi | ON |
| Choose a Network... | |
| ✓ Setup _ _ _ _ _ _ | |

● Once "Setup _ _ _ _ _ _" is selected, continue to step 3.

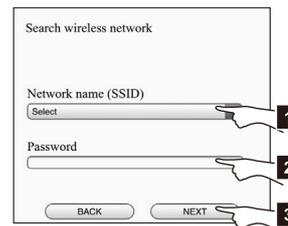**3** Start "**Safari**" on your iPhone and type "**http://192.168.1.12/**" into the URL address field and display the page.

Untitled

http://192.168.1.12/

↳ This unit's setup window is displayed.

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

Connect to wireless network
Search wireless network
Manual 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 router itself.

Search wireless network
Network name (SSID)
Select                                    **1**
Password                                  **2**
BACK          NEXT                        **3**

**1** Select your **home wireless network name**.*3
**2** Type the **password**.
**3** Select "**NEXT**".

**6** Select "**JOIN**" to apply the settings.
↳ In the pop-up screen, select "OK" to continue.
  – Select "CANCEL" to return to the setup window.
↳ The Wi-Fi® status indicator blinks blue.
  – You can now close the Safari browser.

**7** The unit's settings are completed when the Wi-Fi® status indicator **stops blinking** after about 2 minutes and **lights blue**.

If the Wi-Fi® status indicator turns off, turn the unit off and on again, 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**.*4

**9** To use AirPlay, turn to page 9.

*1: " _ " stands for a digit that is unique to each set.
*2: Make sure that DHCP is enabled for the network setting on the iPhone.
*3: If you have set your wireless network to be invisible, select "BACK" and refer to "Alternative settings". (⇨ 8)
*4: To use the AirPlay function, connect the iPhone to the wireless network selected in step 5. (⇨ above)

*Network settings*

**7**

## Advanced network settings

● The below settings are the alternative or additional settings for "Method 2". (⇨ 7)

### 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 "NEXT".

### Additional settings

**After step 5 and before step 6:**

If your home wireless network has been setup to use specific IP Addresses, Subnet Mask, Default Gateway, Primary DNS, etc.
Select "Advanced network settings".
↳ Input the required addresses into each field and select "OK".
● 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.
Select "Edit STEREO SYSTEM name".
↳ Only ASCII characters can be used.
↳ Type a new name into the "STEREO SYSTEM name" field and select "OK".

📖

● Enable Java and Cookies in your browser settings.
● This unit can also be set using the WPS PIN code. Replace step 2 of "Method 1" 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 the Wi-Fi® status indicator blinks blue, press and hold [– WPS] again.
↳ The Wi-Fi® status indicator blinks purple. Continue to the next step.
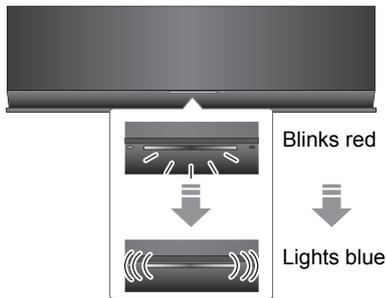2  Enter the PIN code "64428147" into the wireless router.

**8**

# Using AirPlay with this unit's speakers

**Preparation**
- Complete the network settings. (⇨ 6)
- 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 blue**.

Blinks red

Lights blue

- If it continues to blink red, check the wireless network settings. (⇨ 6)

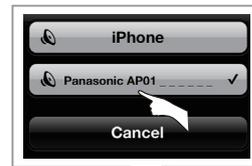**2** iOS device:

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 AP01 _ _ _ _ _ _**"*1, 2 from the AirPlay ▣ icon at the bottom right-hand corner of the display.

↳ 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 5.0
(When held vertically)

| 🔊 | **iPhone** | |
| 🔊 | **Panasonic AP01 _ _ _ _ _ _** | ✓ |
| | Cancel | |

e.g., iTunes 10.5
(Bottom right)

| 🖥 | Computer |
| ✓ 🔊 | Panasonic AP01 _ _ _ _ _ _ |
| | Multiple Speakers... |

**4** Start play.

- The playback will start with a slight delay.

*Network settings*

*Operations*

---

📖

- This unit can be set to turn on automatically when this unit is selected as the output speakers. (⇨ 11)
- 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 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.
- If the AirPlay ▣ icon is not displayed even if Wi-Fi® status indicator lights blue, try restarting the wireless network router.

---

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

*2: If you have not changed the name, this unit will be displayed as "Panasonic AP01 _ _ _ _ _ _".
The name that is displayed for this unit can be changed from the "Edit STEREO SYSTEM name" settings in "Method 2". (⇨ 8, "Additional settings")

**9**

# Using the remote control app

**By installing the remote control app "Panasonic Stereo System Remote 2012" onto your iPhone or iPod touch, it is possible to adjust the volume, turn the unit on and off, and adjust various other features of this unit.**

≥ The following operations and settings cannot be performed from a computer.

**Visit the following website for details on how to operate the remote control app "Panasonic Stereo System Remote 2012":**
**http://panasonic.jp/support/global/cs/**
(This site is in English only.)

- This application is specially made for iPhone and iPod touch.
- Some operations and settings can only be performed by using the remote control app.
- Refer to the operating instructions of the iPhone or iPod touch for details about its operations.

### Installing the app

**Preparation**
Connect the iPhone or iPod touch to the Internet.

**1** On the iPhone or iPod touch:
Start the "**App Store**" app.

**2** Select "**Search**" and search for "**Panasonic Stereo System Remote 2012**".

**3** Select "**Panasonic Stereo System Remote 2012**" and install it onto your iOS device.

≥ The remote control app icon named "**StereoRemote**" is added to your home screen.

### Operations from the remote control app

**Preparation**
● Complete the network settings. (⇨ 6)
● Turn the unit on.
 − Check that the Wi-Fi® status indicator lights blue. (⇨ 4)
  If it continues to blink red, check the wireless network settings. (⇨ 6)
● Turn on the iPhone or iPod touch.
 (Make sure that the iPhone or iPod touch is connected to the same wireless network as this unit.)

**1** On the iPhone or iPod touch:
Start the "**StereoRemote**" app.

**2** If the "**Device List**" is displayed, select "**Panasonic AP01 _ _ _ _ _ _**".*[1, 2]

↳ A menu screen is displayed.
 – The operation indicator (⇨ 4) blinks green.

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

*2: If you have not changed the name, this unit will be displayed as "Panasonic AP01 _ _ _ _ _ _".
 The name that is displayed for this unit can be changed from the "Edit STEREO SYSTEM name" settings in "Method 2". (⇨ 8, "Additional settings")

## Sound adjustment

The following operations can be performed from the "Sound" screen.

### ■ The preset equalizer

"HEAVY" (heavy), "SOFT" (soft), "CLEAR" (clear), "VOCAL" (vocal) or "FLAT" (flat/off).

● The factory preset is "HEAVY".

### ■ Bass and Treble (BASS, TREBLE)

Adjust the level ($-4$ to $+4$).

### ■ Dynamic Bass (D.BASS)

"ON" or "OFF".

● The factory preset is "ON".

### ■ Direct-vocal surround (D.SURROUND)

"LEVEL 1", "LEVEL 2" or "OFF".

● The factory preset is "OFF".

### ■ Muting the sound (MUTE)

The sound is temporarily muted.

### ■ Adjusting the volume (VOL)

Move the volume bar to adjust the volume of this unit.

📖

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

## Other adjustment

The following operations can be performed from the "Controller" screen.

### ■ Turn this unit on or off (⏻)

📖

To turn this unit on, "NET STANDBY" must be set to "ON". (⇨ below)

### ■ Automatic standby (AUTO OFF)

This unit can be set to turn off automatically if there is no sound output and no operation for 30 minutes.

● As a factory preset, this function is turned on. To deactivate this function, select "OFF".

📖

● Unless automatic standby is deactivated, this function will work every time this unit is turned on.
● This setting can only be performed from the remote control app.

### ■ Network standby (NET STANDBY)

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

● As a factory preset, this function is turned off. To activate this function, select "ON".

📖

● The factory preset is "OFF". If this function is set to "ON" the standby power consumption will increase.
● This setting can only be performed from the remote control app.

*Operations*
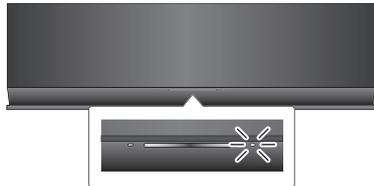
**11**

# Others

## Wi-Fi® signal strength

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

**Preparation**
● Turn the unit on.
● Connect this unit to the wireless network. (⇨ 6)

**1** If this unit is in use, stop the AirPlay playback to this unit.
   ● Wait for at least 15 seconds before proceeding to step 2.

**2** Press and hold both **[– VOLUME]** and **[VOLUME +]** on this unit for more than 2 seconds.

**3** The operation indicator **lights** and **then blinks** a set number of times.
   Count the number of times the indicator blinks.

● A stable connection is available when the operation indicator blinks 3 times.

📖

Change the position or angle of your wireless network router or the unit in the following cases:
– The operation indicator only blinks 2 times or 1 time.
– The sound is interrupted.

## 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. (⇨ 6)
   – Make sure that the wireless network is connected to the Internet.

**1** Press and hold both **[– VOLUME]** and **[– WPS]** on this unit for more than 2 seconds.
   ↳ The operation indicator (⇨ 4) blinks.

> **DO NOT DISCONNECT the AC adaptor while this unit is updating.**
> ● During the update process, no other operations can be performed.
> ● If the update is unsuccessful, the operation indicator will blink in a specific sequence. (⇨ below)

   ↳ After the update has finished, the operation indicator (⇨ 4) lights.

**2** Disconnect the AC adaptor 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 the update is unsuccessful, the operation indicator will blink in a specific sequence.

| No. of blinks | Problems and solutions |
|---|---|
| 3 | The software download has failed. Please try again later. |
| | The server cannot be found. Make sure that the wireless network is connected to the Internet. |
| 2 | This unit cannot connect to the network. Check the network connection. |
| 1 | The update has failed. Turn this unit off and remove the AC adaptor. Reconnect the AC adaptor and try again. |

# 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, consult your dealer for instructions.

---

**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 mains lead. (Wait for at least 3 minutes before proceeding to step ②.)
② While pressing and holding down [⏻/I] on the main unit, reconnect the AC mains lead.
　● The operation indicator (⇨ 4) blinks 4 times.
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. (⇨ 12)

## Common problems

**Humming heard during play.**
● An AC mains lead or fluorescent light is near the cords. Keep other appliances and cords away from this unit's cables.

**The power on indicator blinks red.**
● The unit has been left unused for about 30 minutes and will shut down in a minute. Press any button to cancel it. (⇨ 11)

## Network

**Cannot connect to the network.**
● Confirm the network connection and settings. (⇨ 6)
● Your wireless network might be set to be invisible. In this case select "Manual settings" in "Method 2". (⇨ 7)
● This unit cannot join a wireless network using WEP security settings with the WPS methods ("Method 1"). Use "Method 2" to join the wireless network. (⇨ 7)
● Make sure that the multicast function on the wireless network router is set to on (enabled).

**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 2". (⇨ 7)

**The Wi-Fi® status indicator continues to blink red.**
● The Wi-Fi® status indicator will blink red when this unit is connecting to the wireless network. Once it is connected to the wireless network it will light blue.
If it continues to blink red, check the wireless network settings. (⇨ 6)

## AirPlay operations

**Cannot connect to the unit.**
● Make sure that this unit is on the same wireless network as the device you are trying to use. (⇨ 6)
● If "NET STANDBY" is set to "OFF", the AirPlay compatible device cannot be connected when this unit is off.
● Set "NET STANDBY" to "OFF" (⇨ 11), turn off the Wi-Fi® setting on the AirPlay compatible device, 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.

**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 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.
● With some iOS and iTunes versions, it may not be possible to restart the AirPlay playback if 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. (⇨ 9)
● 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 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.

*Operations*

*Reference*

**13**

# Specifications

## ■ GENERAL

**General**

**Main set rating**

DC 12 V, 20 W

**System**

**Power consumption**
(With USB port charging)

Approx. 21 W

**Power consumption in standby mode**
(When "NET STANDBY" is "OFF")

Approx. 0.3 W

**Power consumption in standby mode**
(When "NET STANDBY" is "ON")

Approx. 3.8 W

**AC Adaptor**

**Input**

AC 100 V to 240 V, 50/60 Hz

**Output**

DC 12 V, 3 A

**Dimensions (W×H×D)**

430 mm×128 mm×59 mm

**Mass**

Approx. 1 kg

**Operating temperature range**

0 °C to +40 °C

**Operating humidity range**

20 % to 80 % RH (no condensation)

## ■ AMPLIFIER SECTION

**Output power**
**RMS Output Power Stereo mode**
  **Front Ch (both ch driven)**

5 W per channel (6 Ω), 1 kHz, 10 % THD

  **Total RMS Stereo mode power**

10 W

## ■ SPEAKER SYSTEM SECTION

**Type**

1 way, 1 speaker system (Bass Reflex)

**Speaker unit(s)**
  **Full range**

4 cm Cone type×1/ch

  **Impedance** 6 Ω

## ■ 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)

## ■ TERMINAL SECTION

**USB Port**
  **USB port power**

DC OUT 5 V, 2.1 A Max (charging only)

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

**Information for Users on Collection and Disposal of Old Equipment and used Batteries**

These symbols on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.
By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

**For business users in the European Union**
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

**[Information on Disposal in other Countries outside the European Union]**
These symbols are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

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

Cd

*Reference*

**15**

**For the United Kingdom and Ireland customers**

# Sales and Support Information

Customer Communications Centre
- For customers within the UK: 0844 844 3899
- For customers within Ireland: 01 289 8333
- For further support on your product, please visit our website:
  www.panasonic.co.uk

Direct Sales at Panasonic UK
- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communications Centre
  Monday–Thursday 9:00 a.m.–5:30 p.m.,
  Friday 9:30 a.m.–5:30 p.m. (Excluding public holidays)
- Or go on line through our Internet Accessory ordering application at www.pas-europe.com.
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic UK.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products. Take a browse on our website for further details.

**EU**
Pursuant to at the directive 2004/108/EC, article 9(2)
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

Panasonic Corporation
**Web Site:** http://panasonic.net

En

© Panasonic Corporation 2012

RQT9658-B
F0312RK0