



Operating Instructions Wireless Speaker System

Model No. SC-NE3



Thank you for purchasing this product.

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

Included Installation Instructions (→ 3 and 16, 17)

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.)

Model number suffix "EB" denotes UK model.

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About descriptions in these operating instructions

- Pages to be referred to are indicated as “→ ○○”.
- Unless otherwise indicated, operations are described using the remote control.

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Caution for AC Mains Lead

(For the AC mains plug of three pins)

For your safety, please read the following text carefully.

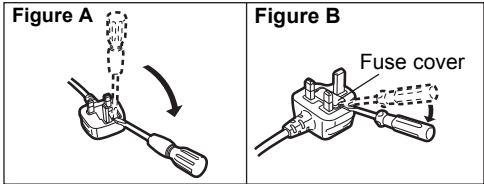
This appliance is supplied with a moulded three pin mains plug for your safety and convenience. A 5-ampere fuse is fitted in this plug. Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362. Check for the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

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

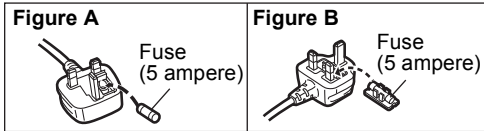
Before use
Remove the connector cover.

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

1. Open the fuse cover with a screwdriver.



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



Safety precautions

WARNING

Unit

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

AC mains lead

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

Button-type battery (Lithium battery)

- Risk of fire, explosion and burns. Do not recharge, disassemble, heat above **60 °C** or incinerate.
- Keep the Button-Type battery out of the reach of children. Never put Button-Type battery in mouth. If swallowed call your doctor.

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

- Place this unit on an even surface.
- To reduce the risk of fire, electric shock or product damage,
 - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
 - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
 - Do not expose this unit to direct sunlight, high temperatures, high humidity, and excessive vibration.

Button-type battery (Lithium battery)

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

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

For the United Kingdom and Ireland

CE1731

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 for general consumer. (Category 3)

This product on purpose to connect to access point of 2.4 GHz WLAN.

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 coilp dár nDearbhú Comhréireachta (DoC) bunaidh dár dtáirgí R&TTE ónár bhfreastalaití um Dhearbhu 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 don ghnáth-thomhaltóir. (Catagóir 3)

Tá an táirge seo ceaptha chun nascadh le pointe rochtana de 2,4 GHz WLAN.

Accessories

Check the supplied accessories before using this unit.

- ☐ **1 Remote control (with a battery)**
(N2QAYC000091)

☐ **For the United Kingdom and Ireland**

- 1 AC mains lead**
(K2CT2YY00097)

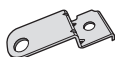
☐ **For Australia and New Zealand**

- 1 AC mains lead**
(K2CJ2YY00093)

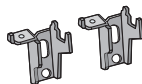
Wall mounting accessories

- ☐ **1 Screw**
(XTB3+8JFJK-J)

- ☐ **1 Safety holder**
(RGQ0660-K)



- ☐ **2 Wall mount brackets**
(RMQX1082-S)



- Do not use AC mains lead with other equipment.
- Product numbers provided in these operating instructions are correct as of January 2013. These may be subject to change.

For the United Kingdom and Ireland

Sales and Support Information

Customer Communications Centre

- For customers within the UK: 0844 844 3899
- For customers within Ireland: 01 289 8333
- Monday–Friday 9:00 am – 5:00 pm
(Excluding public holidays).
- For further support on your product, please visit our website: www.panasonic.co.uk

Direct Sales at Panasonic UK

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

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 actions 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. The range can decrease depending on the environment, obstacles or interference.

Interference from other devices

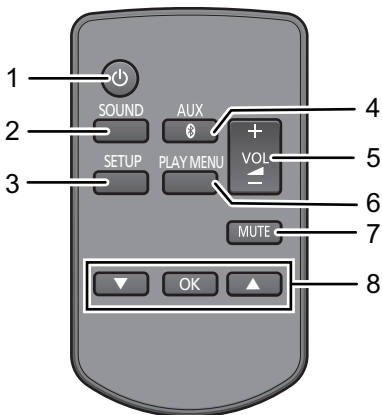
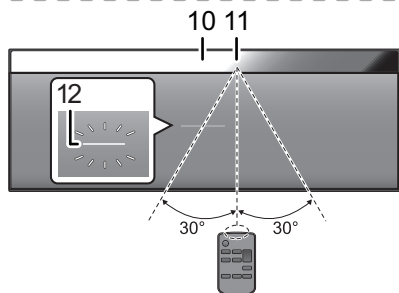
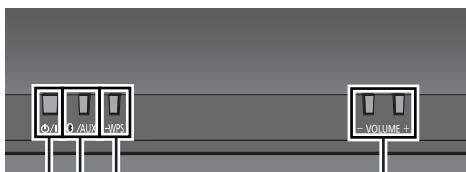
- This unit may not function properly and troubles such as noise and sound jumps may arise due to radio wave interference if this unit is located too close to other Bluetooth® devices or the devices that use the 2.4 GHz band.
- This unit may not function properly if radio waves from a nearby broadcasting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

Control reference guide

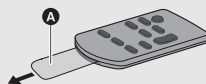
Top view



- 1 **Standby/on switch** [⏻] ([⏻])
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.
- 2 Enter sound menu
- 3 Enter setup menu
- 4 Select Bluetooth®/AUX
- 5 Adjust the volume (0 (min) to 50 (max))
- 6 Enter the Bluetooth® menu/
Change the sound input level of the external device (→ 6)/
Select the playback mode for AirPlay (→ 11)
- 7 Mute the sound
Mutes the sound. Press again to cancel. "MUTE" is also cancelled when the volume is adjusted or the unit is turned off.
- 8 Selection/OK
- 9 WPS pairing button (→ 8)
- 10 Display
- 11 Remote control signal sensor
Distance: Within approx. 7 m directly in front.
• To avoid interference, please do not put any objects in front of signal sensor.
- 12 Wi-Fi® status indicator

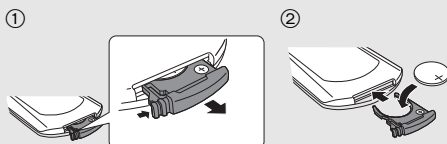
Before using for the first time

Remove the insulation sheet **A**.



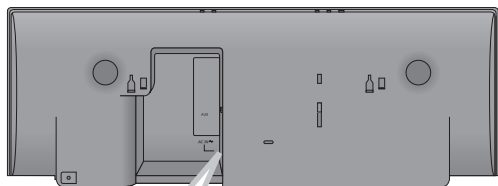
To replace a button-type battery

Battery type: CR2025 (Lithium battery)



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

Connections

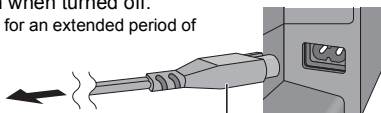


Connect the AC mains lead.

This unit consumes a small amount of AC power (→ 18) 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 mains socket.

To household mains socket



AC mains lead (supplied)

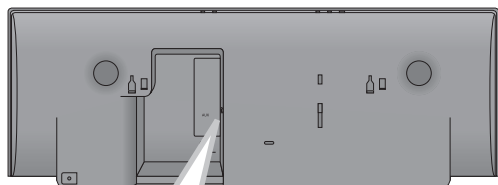
For the United Kingdom and Ireland

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



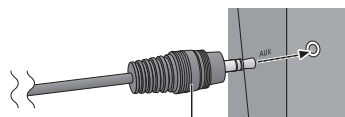
- These speakers do not have magnetic shielding. Do not place them near a television, personal computer or other devices easily influenced by magnetism.
- When this unit is turned on for the first time after purchase, a message prompting you to connect a Bluetooth® device ("PAIRING") is displayed. (→ 12)

Additional Connection



Connect an external music device (for AUX mode).

- ① Plug the audio cable (not supplied) into the AUX jack.
Plug type: $\varnothing 3.5$ mm stereo
- ② Press [**F8**, AUX] to select "AUX" and start playback on the connected device.



Audio cable (not supplied)

To select the sound input level of the external device

- ① While in "AUX" mode, press [PLAY MENU] repeatedly to select "INPUT LEVEL" and then press [OK].
- ② Press [**▲**, **▼**] to select "NORMAL" or "HIGH".
 - The default setting is "NORMAL".



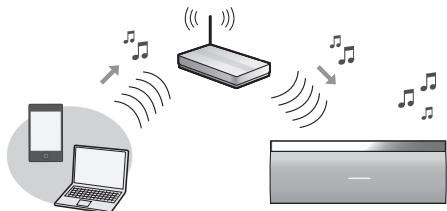
- Switch the equalizer off or turn the volume of the external device down to reduce the input signal. High level of input signal will distort the sound.
- For details, refer to the instruction manual of the other equipment.
- The cables and the devices are not supplied.

Network settings

You can wirelessly stream music from an iOS device (iPhone, iPod, iPad), an Android device or a Mac/PC to this unit's speakers by using the AirPlay or DLNA feature.

To use these features, this unit must join the same 2.4 GHz wireless network as the AirPlay compatible device or the DLNA compatible device.

- It is also possible to use AirPlay without a wireless network router. (→ 10, "Directly streaming to this unit (AirPlay)")



Compatible AirPlay devices

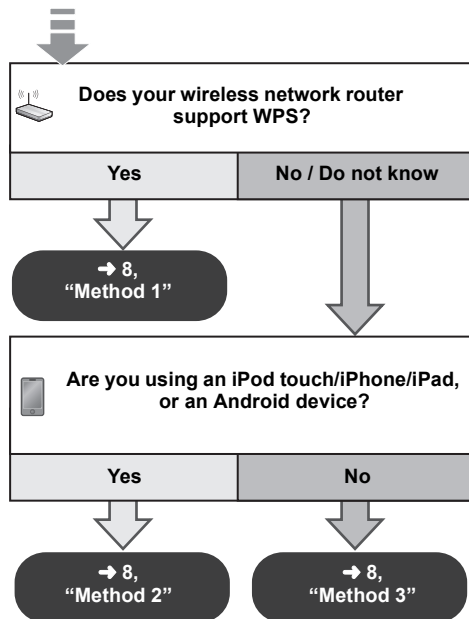
iOS 4.3.3 or later
iPod touch 3rd, 4th, and 5th generation
iPhone 5 / iPhone 4S / iPhone 4 / iPhone 3GS
iPad (3rd, and 4th generation) / iPad 2 / iPad
iPad mini
iTunes 10.2.2 or later (Mac / PC)

(as of January 2013)

Preparation

- Place this unit close to the wireless network router.

- Turn this unit on.
- Follow the chart below to choose the network setting method.



- If you want to apply the advanced setting, or you want to perform wireless setting with your Mac/PC, try "Method 3" on page 8.

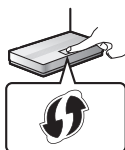


- To cancel this setting in the middle, press [⏻] to turn off the unit.
- Simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions.
- For up to date compatibility information on your wireless network router refer to <http://panasonic.jp/support/global/cs/> (This site is in English only.)

Method 1

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

■ 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 Press and hold **[– WPS]** on the unit.
 - ↳ “WPS” flashes on the display.
(The Wi-Fi status indicator blinks blue.)
 - Complete step 2 within 2 mins.
- 2 After “WPS” is indicated, press the WPS button on the wireless network router.
- 3 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 other methods.

- 4 Press **[OK]** on the remote control to exit the setting.



- To use the WPS PIN code, refer to the notes on page 9.

Method 2

Setting the network connection with the smartphone app

You can make the wireless network settings with the app, “Panasonic Stereo System Network Setup” (for free).

If you’re using an Android device, download the app at the Google Play Store. If you’re using an iPod touch/iPhone/iPad, download it at the App Store.

Preparation

- Connect your smartphone to your home wireless network.
- Check the password for your home wireless network.

- 1 Press **[SETUP]** on the remote control repeatedly to select **“NET SETUP”** and then press **[OK]**.
 - ↳ “SETTING” is indicated on the display.
(The Wi-Fi status indicator blinks purple.)
- 2 Start **“Panasonic Stereo System Network Setup”** on your smartphone and follow the indications.

■ Note for the iOS version

After step 2

- 1 Enter the password for the home wireless network to which the iOS device is connected.
- 2 When a message instructing you to connect the iOS device to this unit is displayed, press the home button to close the app.
- 3 On the Wi-Fi network selection screen in “Settings”, select “00 Setup _____”.
 - “_” stands for a digit that is unique to each set.



- 4 When a message indicating the completion of the connection to this unit is displayed, restart the app.



- 5 When a message indicating the completion of the Wi-Fi setup of this unit is displayed, close the app, and then check the operation of AirPlay, etc.



- “Panasonic Stereo System Network Setup” for Mac OS is also available at the App Store.

Method 3

Setting the network connection from an Internet browser.

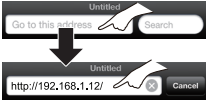
With this method, you will access this unit’s wireless network settings from the Internet browser of your compatible device.

- The following explanations are based on an iPhone.

- 1 Press **[SETUP]** on the remote control repeatedly to select **“NET SETUP”** and then press **[OK]**.
 - ↳ “SETTING” is indicated on the display.
(The Wi-Fi status indicator blinks purple.)
- 2 After “SETTING” is indicated, connect your compatible device to this unit’s wireless network named **“00 Setup _____”**.
 - “_” stands for a digit that is unique to each set.
 - Make sure that DHCP is enabled for the network setting on your compatible device.



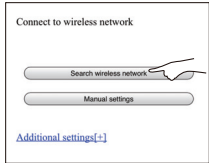
- 3 Start the Internet browser on your compatible device and type “**http://192.168.1.12**” into the URL address field and display the page.



↳ This unit's setup window is displayed.

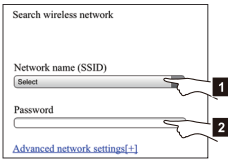
- **Examples of Internet browsers**
 iOS device/Mac : Safari
 Android device : Google Chrome browser
 PC : Windows Internet Explorer

- 4 Select “**Search wireless network**”.



- 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.



- 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 compatible device back to your **home wireless network**.

^{*1}: If you have set your wireless network to be invisible, select “BACK” and refer to “Alternative settings”.

Advanced network settings

- The below settings are the alternative or additional settings for “Method 3”. (→ 8)

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 or DLNA renderer.

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 “**Additional settings**” and then 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 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 “WPS” is flashing press and hold [– WPS] again to display the 8 digit PIN code.
 ↳ Wi-Fi status indicator blinks purple.
- 2 Enter the PIN code into the wireless network router.

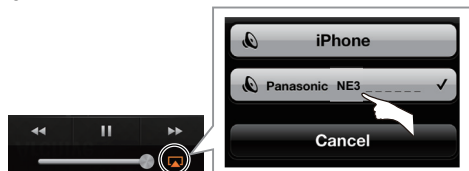
Using AirPlay with this unit's speakers

Preparation

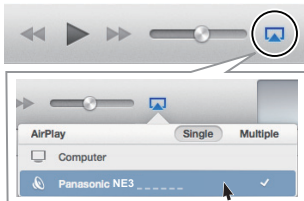
- Complete the network settings. (→ 7)
- Connect the iOS device or Mac/PC to the same **home wireless network** as this unit.

- 1 Turn the unit on.
 - Check that the Wi-Fi status indicator **lights in blue**.
 - If it doesn't light in blue, check the wireless network settings. (→ 7)
- 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 NE3 _ _ _ _ _"***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



e.g., iTunes 11.0



- 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. (→ 13)
- 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., "AUX") 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. (→ 9, "Advanced network settings")

Directly streaming to this unit (AirPlay)

With this function set to "ON", you can stream music from the iOS device or Mac / PC (iTunes 10.2.2 or later) to this unit without the need of a wireless network router.

- Previous network settings will be deleted when this function is set to "ON".
- 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].

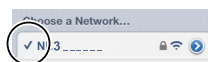
"PW _ _ _ _ _" *1 is displayed.

The 5 digits after "PW" is the password for this network.

- 4 Connect your iPhone to this unit's wireless network named "NE3 _ _ _ _ _" *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 completed.



- 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. (→ 7)
- 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.
- When AirPlay is not being used, disconnect the AirPlay compatible device from this network.
- When using a computer on this network, make sure that all the shared files are encrypted.
- 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.

Display the password

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

- This password is memorised 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 While "D.CONNECT" is set to "OFF":
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)*1:

- 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 memorised the old password, be sure to change the memorised password for this unit's wireless network to the new one.



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

*1: Steps are based on iOS 6.0.1.

Playback modes

Select the playback mode. Perform the settings during playback.

REPEAT

- 1 Press [PLAY MENU] to select "REPEAT".
- 2 Press [▲, ▼] to repeat one track, all tracks, etc.

SHUFFLE

- 1 Press [PLAY MENU] to select "SHUFFLE".
- 2 Press [▲, ▼] to turn on/off the shuffle function.



- Refer to the connected device to verify the selected setting.
- The applied settings will remain until it is changed.

Playing back music files on the DLNA server

You can share music files stored in the DLNA Certified media server (PC with Windows 7 installed, smartphone, etc.) connected to your home wireless network, and enjoy the contents with this unit's speaker.

Preparation

- Complete the network settings. (→ 7)
- Connect your device with DMC (Digital Media Controller) compatible software installed to the same **home wireless network** as this unit.
- Add the contents and folder to the libraries of the Windows Media® Player or the smartphone, etc.
 - Playlist of Windows Media® Player can play back only the contents that are stored in the libraries.

- 1 Turn the unit on.
 - Check that the Wi-Fi status indicator **lights in blue**.
 - If it doesn't light in blue, check the wireless network settings. (→ 7)
- 2 Operate the DMC compatible device and connect to this unit.
 - The device name of this unit will be displayed as "Panasonic NE3 _ _ _ _" *1, 2.
 - For details on how to use DMC compatible devices, refer to the operating instructions of the devices or the software.

■ Support format of DLNA client

File formats that are not supported by your DLNA server cannot be played.

Audio codec	Example of file extension
MP3	.mp3
WAV	.wav



- Depending on the contents and the connected equipment, playback may not be possible.

*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. (→ 9, "Advanced network settings")

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.

Others

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.

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.

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.
- When connected to a Bluetooth® device, the automatic standby function does not work.

Wi-Fi signal strength

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

Preparation

Connect this unit to the wireless network. (→ 7)

- 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. (→ 16)
- 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. (→ 7)

- 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.

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. (→ 7)
 - 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 mains lead 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 mains lead 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.

Wireless network name (SSID)

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

- 1 Press and hold [– WPS] 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 [– WPS] 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.

Changing the unit and remote control code

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

- 1 Press [Ⓢ, AUX] to select “AUX”.
- 2 While pressing and holding [Ⓢ / AUX] on the unit, press and hold [SOUND] on the remote control until the unit's display shows “REMOTE 2”.
- 3 Press and hold [OK] and [SOUND] 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 [SOUND] to [Ⓢ, AUX].

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 unit, reconnect the AC mains lead.
 - Keep holding down [⏻/I] until “-----” 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. (→ 14)

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.

AirPlay operations

Cannot connect to the network.

- Confirm the network connection and settings. (→ 7)
- 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 1”). Use “Method 3” to join the wireless network. (→ 8)
- Make sure that the multicast function on the wireless network router is set to on (enabled).
- When “D.CONNECT” is used, if the password for “D.CONNECT” has been changed connect the other device to this unit using the new password. (→ 10)

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. (→ 7, 14)
- 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” (→ 13) 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 2” or “Method 3”. (→ 8)

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 AirPlay compatible 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., “AUX”) 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. (→ 10)

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-NE3” manually. Read the operating instructions for the device for details.

The sound is interrupted.

- The device is out of the 10 m communication range. Bring the Bluetooth® device closer to this unit.
- Remove any obstacle between this unit and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Bring the Bluetooth® device closer to this unit and distance it from the other devices.
- Select “MODE 1” for stable communication. (→ 12)

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.

"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.

"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 mains lead and consult your dealer.

"FAIL"

- Updating or setting has failed. Read the instructions and try 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. (→ 7)If the problem persists, consult your dealer.

"LEVEL —"

- When "D.CONNECT" is set to "ON" the Wi-Fi signal strength cannot be checked. To check the Wi-Fi signal strength from the wireless network router, set "D.CONNECT" to "OFF". (→ 10)

"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. (→ 7)

"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 [Ⓢ], [AUX] for more than 4 seconds.
 - When "REMOTE 2" is displayed, press and hold [OK] and [SOUND] for more than 4 seconds.

Attaching the unit to a wall (optional)

This unit can be wall mounted using the supplied wall mount brackets, etc. Make sure that the screw used and the wall are strong enough to support the weight of at least 33 kg.

The screws and other items are not supplied as the type and size will vary with each installation.

- Refer to step 2 of "Wall mount instructions" for details about the required screws.
- Be sure to attach the fall prevention cord as a secondary safety measure.

Installation accessories

■ Supplied accessories

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

■ Additionally required accessories (commercially available)

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

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

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

Safety precautions

Professional installation is required.

The installation should never be done by any other than a qualified installation specialist.

PANASONIC DISCLAIMS ANY PROPERTY DAMAGE AND/OR SERIOUS INJURY, INCLUDING DEATH RESULTING FROM IMPROPER INSTALLATION OR INCORRECT HANDLING.

- Be sure to install this unit as indicated within these operating instructions.

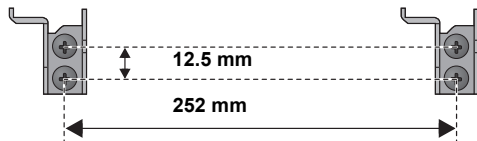
Wall mount instructions

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

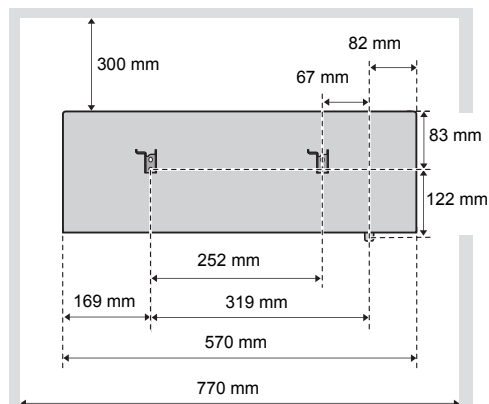
- 1 Measure and mark the position of the wall mount brackets (Both sides).

↳ Use figures below to identify the screwing positions.

The position to attach the wall mount brackets

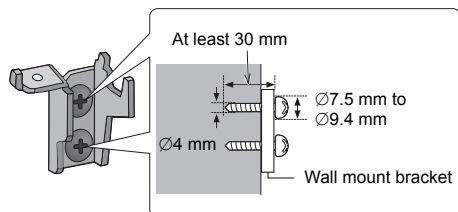


Space required



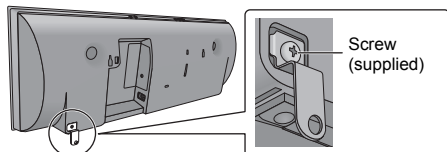
- 2 Attach the wall mount bracket to the wall with 2 screws (not supplied). (Both sides)

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

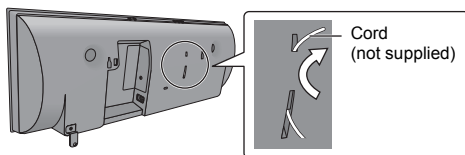


- 3 Fix the safety holder onto the unit with the screw (supplied).

↳ Screw tightening torque: 50 N•cm to 70 N•cm.

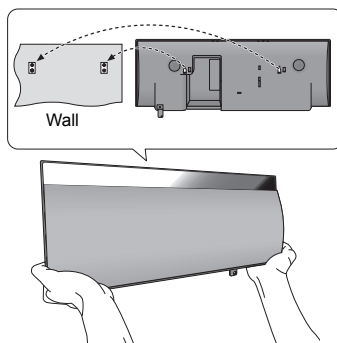


- 4 Attach the fall prevention cord (not supplied) to this unit.



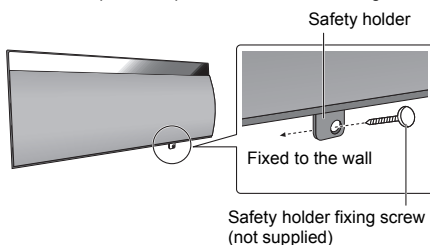
- 5 Hook the unit securely onto the wall mount brackets with both hands.

- Connect the AC mains lead to the unit before hanging the unit onto the wall. (→ 6)
- After hanging the unit, release your hands carefully to confirm the unit sits securely on the wall.



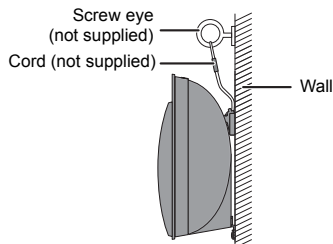
- 6 Drive the safety holder fixing screw (not supplied) to secure the safety holder onto the wall.

- Refer to step 2 for requirements before screwing.



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

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



Specifications

■ GENERAL

Power consumption	14 W
Power consumption in standby mode	
Approx.	0.2 W
Power consumption in standby mode (With "NET STNBY" set to "ON")	
Approx.	4.0 W
Power supply	AC 220 V to 240 V, 50 Hz

Dimensions (W×H×D)

570 mm×206 mm×100 mm

Mass Approx. 2.8 kg

Operating temperature range 0 °C to +40 °C

Operating humidity range 35 % to 80 % RH (no condensation)

■ AMPLIFIER SECTION

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

■ SPEAKER SECTION

Type

2 way, 2 speaker system (Bass reflex)

Speaker unit(s)

1. Woofer 8 cm×1 per channel

2. Tweeter 2.5 cm×1 per channel

Impedance 6 Ω

Output sound pressure 83.5 dB/W (1 m)

Frequency range 52 Hz to 25 kHz (−16 dB),

75 Hz to 22 kHz (−10 dB)

■ Wi-Fi/AirPlay SECTION

Wi-Fi

WLAN Standards IEEE802.11b/g

Frequency range 2.4 GHz band

Security WEP (64 bit/128 bit), WPA™, WPA2™

WPS version Version 2.0 (WEP not support)

■ BLUETOOTH SECTION

Version Bluetooth® Ver.2.1 +EDR

Output Class 2 (2.5 mW)

Communication distance About 10 m*

Communication method 2.4 GHz band FH-SS

Correspondence profile A2DP

* Prospective communication distance

Measurement environment:

Temperature 25 °C / Height 1 m

Measure in "MODE 1"

■ TERMINALS SECTION

AUX Terminal Stereo, Ø3.5 mm jack



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

Unit care

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

■ Clean this unit with a soft, dry cloth

- When dirt is heavy, wring a cloth moistened in water tightly to wipe the dirt, and then wipe it with a dry cloth.
- Never use alcohol, paint thinner or benzene to clean this unit.
- Before using 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.

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

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

Licenses



AirPlay, the AirPlay logo, iPad, iPhone, iPod, 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.

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

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.

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Limited Warranty (ONLY FOR AUSTRALIA)

Panasonic Warranty

1. The product is warranted for 12 months from the date of purchase. Subject to the conditions of this warranty Panasonic or its Authorised Service Centre will perform necessary service on the product without charge for parts or labour, if in the opinion of Panasonic, the product is found to be faulty within the warranty period.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia or its Authorised Distributors or Dealers and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to service carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when warranty service is requested.
3. This warranty only applies if the product has been installed and used in accordance with the manufacturer's recommendations (as noted in the operating instructions) under normal use and reasonable care (in the opinion of Panasonic). The warranty covers normal domestic use only and does not cover damage, malfunction or failure resulting from use of incorrect voltages, incorrect installation, accident, misuse, neglect, build-up of dirt or dust, abuse, maladjustment of customer controls, mains supply problems, thunderstorm activity, infestation by insects or vermin, tampering or repair by unauthorised persons (including unauthorised alterations), introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, exposure to abnormally corrosive conditions or any foreign object or matter having entered the product.
4. This warranty does not cover the following items unless the fault or defect existed at the time of purchase:
 - (a) Cabinet Part(s)
 - (b) Video or Audio Tapes
 - (c) SD cards or USB devices
 - (d) User replaceable Batteries etc
 - (e) DVD, Blu-ray or Recordable Discs
 - (f) Video / Audio Heads from wear and tear in normal use
 - (g) Information stored on Hard Disk Drive, USB stick or SD card
 - (h) DTV reception issues caused by TV Aerial / Cabling / Wall socket(s)
5. Some products may be supplied with Ethernet connection hardware. The warranty is limited on such products and will not cover
 - (a) Internet and or DLNA connection / setup related problems
 - (b) Access fees and or charges incurred for internet connection
 - (c) The use of incompatible software or software not specifically stipulated in the product operations manual; and
 - (d) Any indirect or consequential costs associated with the incorrect use or misuse of the hardware, its connection to the internet or any other device.
6. To claim warranty service, when required, you should:
 - Telephone Panasonic's Customer Care Centre on 132600 or visit our website referred to below and use the Service Centre Locator for the name/address of the nearest Authorised Service Centre.
 - Send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt as a proof of purchase date. Please note that freight and insurance to and / or from your nearest Authorised Service Centre must be arranged by you.
 - Note that home or pick-up/delivery service is available for the following products in the major metropolitan areas of Australia or the normal operating areas of the nearest Authorised Service Centres:
 - Plasma/LCD televisions / displays (screen size greater than 103 cm)
7. The warranties hereby conferred do not extend to, and exclude, any costs associated with the installation, de-installation or re-installation of a product, including costs related to the mounting, de-mounting or remounting of any screen, (and any other ancillary activities), delivery, handling, freight, transportation or insurance of the product or any part thereof or replacement of and do not extend to, and exclude, any damage or loss occurring by reason of, during, associated with, or related to such installation, de-installation, re-installation or transit.

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

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

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

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

If you require assistance regarding warranty conditions or any other enquiries, please visit the **Panasonic Australia** website **www.panasonic.com.au** or contact by phone on **132 600**
If phoning in, please ensure you have your operating instructions available.

Panasonic Australia Pty. Limited

ACN 001 592 187 ABN 83 001 592 187

1 Innovation Road, Macquarie Park NSW 2113

PRO-031-F11 Issue: 4.0

01-01-2011



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



EU

Pursuant to the applicable EU legislation
Panasonic Marketing Europe GmbH
Panasonic Testing Centre
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EU



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