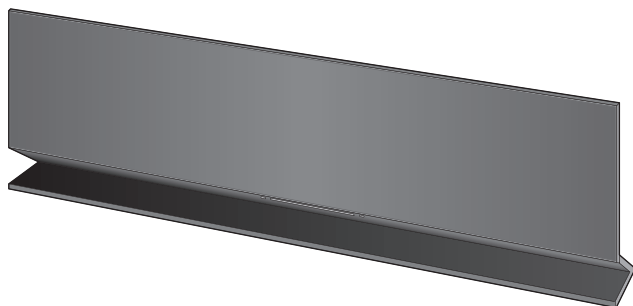


Owner's Manual Compact Stereo System

Model No. SC-AP01



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

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

La referencia rápida en español se puede encontrar en la página 15 - 17.

IMPORTANT SAFETY INSTRUCTIONS

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 adaptor

- Install this unit so that the AC adaptor 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.

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

- In the U.S.A. and Canada, the AC adaptor must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.

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

Unit care

Pull out the AC adaptor 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.

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.

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Spanish Quick Reference / Referencia rápida en español

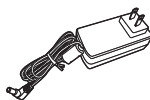
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Accessory

Check the supplied accessory before using this unit.

- ☐ 1 AC adaptor
(RFEA228C-AG)

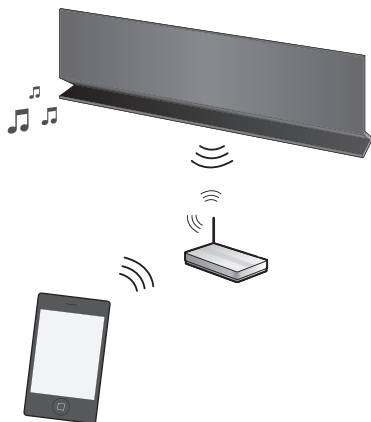


- Product numbers provided in this Owner's Manual are correct as of February 2012. These may be subject to change.

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 February 2012)



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

Operations with the remote control app

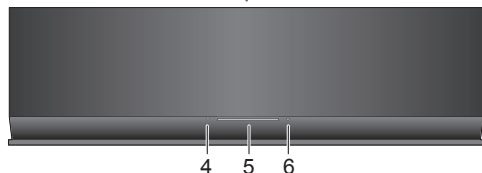
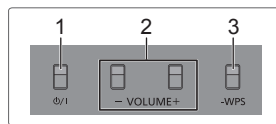
It is possible to adjust the volume, turn this unit on or switch it to standby mode, and adjust various other features from the screen of your iPhone or iPod touch.

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.

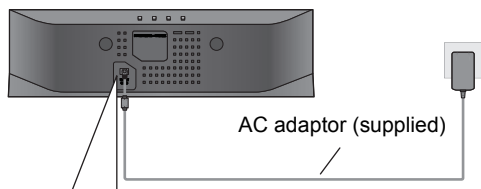
Control reference guide



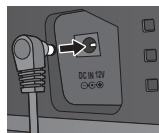
- 1 Standby/on switch [⏻/⏻]
Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.
- 2 Adjust the volume
- 3 WPS pairing button
- 4 Power on indicator
- 5 Wi-Fi® status indicator
- 6 Operation indicator

Connections

Connect the AC adaptor to the household AC outlet.



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



(DC IN 12 V)

- When leaving the product unused for a long time, turn off the unit and pull the AC adaptor out of the household AC outlet for power saving.



- Do not use any other AC adaptors except the supplied one.
- 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

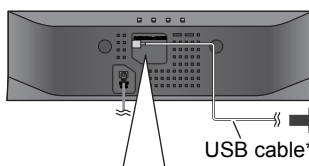
When this unit is turned on and a portable music player that is compatible to USB charging is connected to this unit's USB port, charging will start automatically.

- 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.
- Even if the charge is not complete, charging will stop and this unit will turn to standby mode if the automatic standby is activated. Set "AUTO OFF" to "OFF" for continuous charging. (⇒ 11)
- Refer to the operating instructions of the device for details about charging.

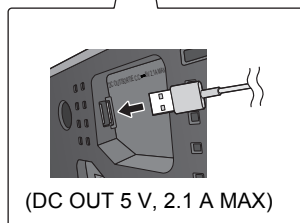
Preparation

Turn this unit on.

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



To the compatible device



- 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.

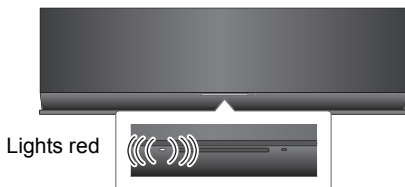
*1: The USB cable is not supplied with this unit. Use the USB cable that is supplied with the compatible device. If a USB cable is not supplied with the device, be sure to use an appropriate USB cable. Refer to the operating instructions of the device for details about the appropriate USB cable.

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.



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”.

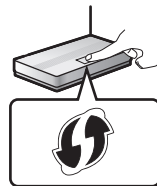


- When performing the network settings, place this unit close to the wireless router.
- Simultaneous use with other 2.4 GHz devices, such as microwaves, cordless telephones, etc., may result in connection interruptions.
- Immediately after this unit is turned on, the network setup may take longer to 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.

■ Using the WPS Push Button Configuration (PBC)



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.



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.

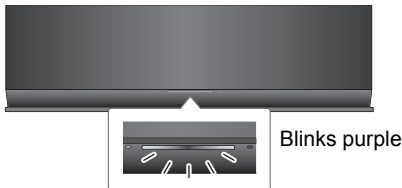
With this method, you will access this unit's wireless network settings from the Internet browser of your compatible device.

- The following explanations are based on an iPhone.

Preparation

- Turn on your iPhone.

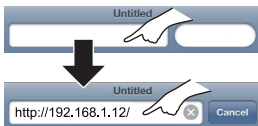
- 1 Press and hold both **[VOLUME +]** and **[- WPS]** on this unit for more than 2 seconds.



- 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

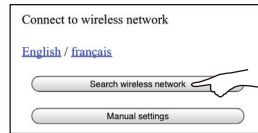


- Once "Setup _ _ _ _ _" is selected, continue to step 3.
- 3 Start **"Safari"** on your iPhone and type **"http://192.168.1.12/"** into the URL address field and display the page.



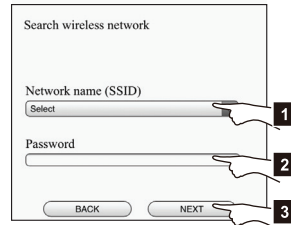
↳ This unit's setup window is displayed.

- 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 router itself.



- 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)

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.

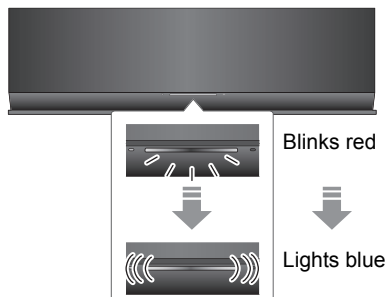
Using AirPlay with this unit's speakers

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**.



- 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" 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)



e.g., iTunes 10.5
(Bottom right)



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. (⇒ 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")

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.

Others

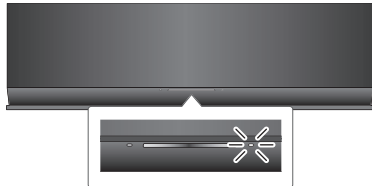
Wi-Fi® signal strength

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)

- 2 The operation indicator **lights** when the update has finished successfully.
 - If the software update is not required, the operation indicator **turns off**.
 - 3 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, refer to "Customer Services Directory (United States and Puerto Rico)" on page 18 if you reside in the U.S.A. or Puerto Rico, or refer to "Limited Warranty (ONLY FOR CANADA)" on page 19 if you reside in Canada.

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 adaptor. (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 adaptor.
 - Keep [⏻/I] held down until the operation indicator (⇒ 4) **blinks 4 times**. (Approx. 10 seconds.)
 - 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 power supply cord 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)

The device connected to the USB port is not charging.

- Is this unit turned on? If not, turn this unit on. (⇒ 4)
Even if the charge is not complete, charging will stop if the automatic standby is activated.
Set "AUTO OFF" to "OFF" for continuous charging. (⇒ 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.

Specifications

■ GENERAL

General	
Main set rating	DC 12 V, 20 W
System	
Power consumption (With USB port charging)	Approx. 22 W
Power consumption in standby mode (When "NET STANDBY" is "OFF")	Approx. 0.15 W
Power consumption in standby mode (When "NET STANDBY" is "ON")	Approx. 3.7 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 (16 15/16"×5 1/32"×2 5/16")
Mass (Weight)	Approx. 1 kg (2.2 lbs)
Operating temperature range	0 °C to +40 °C (+32 °F to +104 °F)
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
FTC Output Power Stereo mode	
Front Ch (both ch driven)	3.5 W per channel (6 Ω), 60 Hz to 20 kHz, 1 % THD
Total FTC Stereo mode power	7 W

■ SPEAKER SYSTEM SECTION

Type	1 way, 1 speaker system (Bass Reflex)
Speaker unit(s)	
Full range	4 cm (1 9/16") Cone type×2
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)



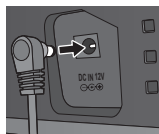
- Specifications are subject to change without notice.
Mass and dimensions are approximate.
- Total harmonic distortion is measured by a digital spectrum analyzer.

Conexiones

Conecte el adaptador de CA a la toma doméstica de CA.



Esta unidad consume poca corriente CA (⇒ 14) incluso cuando se encuentra apagada.



(DC IN 12 V)

- Cuando no se va a usar el producto durante un período largo, apague la unidad y saque el adaptador de CA de la toma doméstica de CA para ahorrar energía.

Ajustes de red

Para utilizar la función AirPlay, esta unidad debe conectarse a la misma red inalámbrica que el dispositivo compatible.

Preparación

- Encienda la unidad.
- Con esta unidad, existen dos métodos para configurar la conexión. Determine el tipo de router inalámbrico que está utilizando y siga el método que se ajuste a su dispositivo.
 - Consulte las instrucciones de funcionamiento del router inalámbrico para obtener más detalles.

Si desconoce el tipo de router inalámbrico que está utilizando, utilice "Método 2".

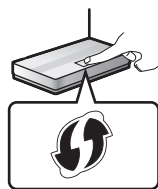


- Al realizar los ajustes de red, ubique la unidad cerca del router inalámbrico.
- El uso simultáneo de un microondas o de un teléfono inalámbrico u otros dispositivos de 2,4 GHz puede causar interrupciones en la conexión.
- Inmediatamente después de encender esta unidad, el ajuste de la red puede tardar más en arrancar.
- Esta unidad no se puede conectar a una red inalámbrica al utilizar ajustes de seguridad WEP con "Método 1". Utilizar "Método 2" para conectarse a la red inalámbrica.
- Para cancelar este ajuste a la mitad, pulse [ON/OFF] para apagar la unidad.
- Para obtener información actualizada sobre compatibilidad de su router inalámbrico, consulte <http://panasonic.jp/support/global/cs/> (Este sitio está solamente en inglés).

Método 1

Si su router inalámbrico admite WPS*1.

■ Uso de la configuración del botón de comando WPS (PBC)



El router inalámbrico compatible con el botón de comando WPS (PBC) puede tener esta marca.

1 Pulse y mantenga pulsado [– WPS] en este aparato durante más de 2 segundos.

- Complete el paso 2 en 2 minutos.



Parpadea en azul

2 Presione el botón WPS del router inalámbrico.

↳ Cuando se establece un enlace el indicador de estado Wi-Fi® parpadea rápidamente.

3 Cuando termina la configuración, el indicador de estado Wi-Fi® se ilumina de color azul.

(Continúa en la página 17, "Uso de AirPlay con los altavoces de esta unidad")



- Para editar el nombre del sistema, es necesario utilizar "Método 2".
- El indicador de estado Wi-Fi® se apaga si la conexión no se realizó dentro del límite de tiempo establecido. Pruebe de nuevo el ajuste. Si el indicador de estado Wi-Fi® todavía parpadea de color rojo, pruebe "Método 2".

*1: WPS significa "Wi-Fi Protected Setup".

Método 2

Si su router inalámbrico no admite WPS*1.

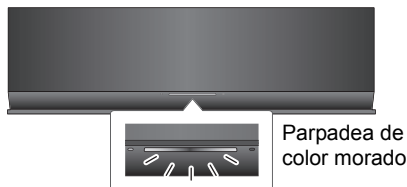
Con este método, podrá acceder a los ajustes de red inalámbrica de esta unidad desde el navegador Web de su dispositivo compatible.

- Las imágenes y explicaciones corresponden a un iPhone.

Preparación

- Encienda su iPhone.

- 1 Mantenga pulsado **[VOLUME +]** y **[– WPS]** en este aparato durante más de 2 segundos.

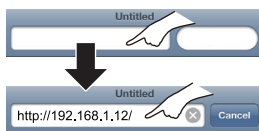


Parpadea de color morado

- 2 Conecte su iPhone a la red inalámbrica de esta unidad llamada **“Setup _ _ _ _ _”***2, 3.

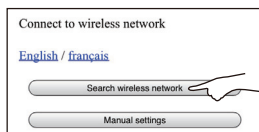


- 3 Inicie **“Safari”** en su iPhone e ingrese **“http://192.168.1.12/”** en el campo de dirección URL y visualice la página.



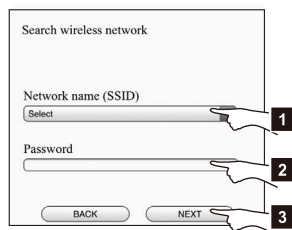
- ↳ Se visualizará esta ventana de configuración de la unidad.

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



- 5 Seleccione e ingrese los detalles.

- Verifique el **nombre de la red inalámbrica doméstica** (Network name (SSID)) y **contraseña** para esta red. A menudo, se puede encontrar en el router inalámbrico mismo.



- 1 Seleccione su **nombre de red inalámbrica doméstica**.^{*4}
- 2 Ingrese la **contraseña**.
- 3 Seleccione **“NEXT”**.

- 6 Seleccione **“JOIN”** para aplicar los ajustes.

- ↳ En la pantalla emergente, seleccione **“OK”** para continuar.
- Seleccione **“CANCEL”** para regresar a la ventana de configuración.
- ↳ El indicador de estado Wi-Fi® parpadea en azul.
- Ahora puede cerrar el navegador Safari.

- 7 Cuando termina la configuración, el indicador de estado Wi-Fi® **se ilumina de color azul**.

Si el indicador de estado Wi-Fi® se apaga, apague la unidad y vuelva a encenderla, revise la contraseña de la red inalámbrica y otras configuraciones y vuelva a comenzar desde el paso 1.

- 8 Vuelva a conectar su iPhone a su **red inalámbrica doméstica**.

(Continúa en la página 17, “Uso de AirPlay con los altavoces de esta unidad”)

*1: WPS significa “Wi-Fi Protected Setup”.

*2: “_” representa un dígito que es único para cada set.

*3: Asegúrese de que DHCP esté activado para el ajuste de red en el iPhone.

*4: Si configuró su red inalámbrica como invisible, seleccione **“BACK”** y consulte “Ajustes alternativos”. (⇒ 17)

Ajustes alternativos

En lugar de los pasos 4 y 5:

Seleccione "Manual settings".

- 1 Ingrese su **nombre de red inalámbrica doméstica** dentro del campo "Network name (SSID)".
- 2 Seleccione el **método de cifrado** desde la lista despegable "Security system".
- 3 Ingrese la **contraseña** dentro del campo "Password" y luego seleccione "NEXT".

Ajustes adicionales

Déspues del paso 5 y antes del paso 6:

Si su red inalámbrica doméstica ha sido configurada para utilizar específicamente Direcciones IP, Máscara de Subred, Acceso por defecto, DNS Primario, etc. Seleccione "Advanced network settings".

↳ Introduzca las direcciones requeridas dentro de cada campo y seleccione "OK".

- Para volver a los ajustes a DHCP, seleccione "ON" de la lista despegable "DHCP".

Si desea cambiar el nombre de esta unidad que se visualiza como altavoces AirPlay. Seleccione "Edit STEREO SYSTEM name".

↳ Solo se pueden usar caracteres ASCII.

↳ Ingrese un nuevo nombre dentro del campo "STEREO SYSTEM name" y seleccione "OK".



- Habilite Java y Cookies en los ajustes del navegador.
- Para cancelar este ajuste a la mitad, pulse [⏻/I] para apagar la unidad.

Uso de AirPlay con los altavoces de esta unidad

Cuando esta unidad se encuentre en la misma red que el dispositivo compatible, puede seleccionar dicha unidad como los altavoces.

Preparación

- Conecte esta unidad a la misma red que el dispositivo compatible. (⇒ 15)
- Encienda el dispositivo compatible.

- 1 Inicie "**Music**" (o "iPod") app de su dispositivo iOS o "**iTunes**" de su Mac/PC.
 - Si se utiliza el Music app de su dispositivo iOS, seleccione el archivo que quiere reproducir.
- 2 Seleccione "Panasonic AP01 _ _ _ _ _"*1 desde el ícono AirPlay  en la esquina inferior derecha del visualizador.
 - ↳ Verifique los ajustes de volumen antes de comenzar la reproducción. (Cuando se use AirPlay por primera vez, el volumen debe reproducirse al máximo).
 - Si no ha cambiado el nombre, esta unidad se visualizará como "Panasonic AP01 _ _ _ _ _".

Ej., iPhone iOS 5.0



Ej., iTunes 10.5



- 3 Inicie la reproducción.

*1: " _ " representa un dígito que es único para cada set.

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

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

Panasonic Home Audio Products Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only)

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

Product or Part Name	Parts	Labor
Audio Products (except items below)	1 year	1 year
DVD Home Theater System	1 year	1 year
Home Theater Audio System	1 year	1 year
SD Memory Cards, Rechargeable Battery Packs (defective exchange)	90 days	Not Applicable

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

Carry-In or Mail-In Service

To find a service center please visit <http://www.panasonic.com/help> or call 1-800-211-PANA (7262).

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

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

Limited Warranty Limits and Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction

of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

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

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

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

Customer Services Directory (United States and Puerto Rico)

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:

**<http://www.panasonic.com/help>
or, contact us via the web at:
<http://www.panasonic.com/contactinfo>**

You may also contact us directly at:
1-800-211-PANA (7262)
Monday-Friday 9am-9pm,
Saturday-Sunday 10am-7pm EST

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

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:
<http://www.pstc.panasonic.com>
Or, send your request by E-mail to:
npcparts@us.panasonic.com

You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday-Friday 9am-9pm EST)
Panasonic National Parts Center
20421 84th Ave. S., Kent, WA 98032
(We accept Visa, MasterCard, Discover Card, American Express)

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

As of January 2012

User memo:

DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
TELEPHONE NUMBER _____

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

MODEL NUMBER _____ SC-AP01
SERIAL NUMBER _____

Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY EXCHANGE PROGRAM

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

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

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

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

LIMITATIONS AND EXCLUSIONS

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

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

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

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

CONTACT INFORMATION

For product information and operation assistance, please contact:

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

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

-If you see this symbol-

Information on Disposal in other Countries outside the European Union



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

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

This device complies with Part 15 of FCC Rules, RSS-Gen and RSS-210 of IC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of this device.

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

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm (7 7/8") or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

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

FCC Note:

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

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party:

Panasonic Corporation of North America
One Panasonic Way
Secaucus, NJ 07094

Support Contact:

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



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

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

Panasonic Consumer Marketing
Company of North America,
Division of Panasonic Corporation of
North America

One Panasonic Way, Secaucus,
New Jersey 07094

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