

Panasonic Check and identify the supplied accessories.

Operating Instructions **Compact Stereo System**

Model No. SC-HC27

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully.

Please keep this manual for future reference.

Supplied accessories

GN En

RQT9577-1L

L0212HH1052



1 x FM indoor antenna



1 x AM loop antenna



1 x Remote control (with a battery) (N2QAYC000059)



- If you see this symbol -

Maintenance

Information on Disposal in other Countries outside

To clean this system, wipe with a soft, dry cloth.

that came with the cloth carefully.

Never use alcohol, paint thinner or benzine to clean this

Before using chemically treated cloth, read the instructions



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.

□ iPod **□** iPhone

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

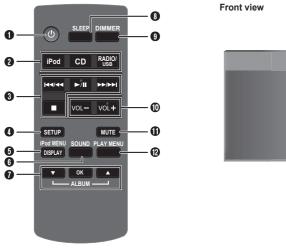
Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.

Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.

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

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

Overview of controls



1 Standby/on switch [U], [U/I] Press to switch the unit from on to standby mode or

vice versa. In standby mode, the unit is still consuming

Select audio source

Basic playback control

View the clock and timer options

a small amount of power.

6 View the iPod menu View information

6 Select the sound effects

Select the option

Set the sleep timer

Decrease the brightness of the display panel

Press the button again to cancel

Adjust the volume of the system

1 Mute the sound of the system

· Press the button again to cancel.

 "MUTE" is also cancelled when you adjust the volume or when you switch off the system

Wiew the play menu View the radio options

⊕ Headphones jack (○)

USB port (◆◆→)

• Plug type: Ø 3.5 mm stereo (not supplied)

Avoid listening for prolonged periods of time to prevent

Excessive sound pressure from earphones and

headphones can cause hearing loss. · Listening at full volume for long periods may damage

the user's ears.

(b) Open or close the sliding door

Sliding door

Remote control sensor

Maximum range: 7 m directly in front

Display panel

Open or close the dock for iPod/iPhone

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

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Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same. Your system and the illustrations can look differently.

Safety precautions





Inside of product

CAUTION-	VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN < AND INTERLOCKS DEFEATE DO NOT STARE INTO BEAM. FDA 21 CFR / CR	
CAUTION-	CLASS 1M VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DO NOT VEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEOGORES-1-42	DEFEAT
ATTENTION -	RAYONNEMENT LASER WISBLE ET INVISIBLE, CLASSE 1M, EN CAS D'OUVERTURE ET LORSQUE LA SÉQUIITÉ EST NEUTRALISÉE, NE PAS REGARDER DIRECTEMENT À L'AU D'INSTRUMENTS D'OPTIQUE.	
VARNING -	KLASS 1M SYNLIG OCH OSYNLIG LASERSTRÄLNING NÄR DENNA DEL ÄR ÖPPNAD O SPÄRREN ÄR URKOPPLAD, BETRAKTA EJ STRÄLEN DIREKT GENOM OPTISKT INSTRU	
FORSIGTIG -	SYNLIG OG USYNLIG LASERSTRÅLING KLASSE 1M, NÅR LÅGET ER ÅBENT OG SIKKE AFBRYDERE ER UDE AF FUNKTION. UNDGÅ AT SE LIGE PÅ MED OPTISKE INSTRUMEI	
VARO! -	AVATTAESSA JA SUOJALUKITUS OHITETTÄESSÄ OLET ALTTIINA LUOKAN 1M NAKYVA NAKYMATONTA LASERSATELYA, ALA KATSO OPTISELLA LAITTEELLA SUORAAN SATE	
VORSICHT -	SICHTBARE LASERSTRAHLUNG KLASSE IM, WENN ABDECKUNG GEÖFFNET UND SICHERHEITSVERRIEGELUNGEN ÜBERBRÜCKT, NICHT DIREKT MIT OPTISCHEN INSTRUMENTEN BETRACHTEN,	
PRECAUCIÓN -	RADIACIÓN LÁSER VISIBLE E INVISIBLE CLASE 1M AL ESTAR ABIERTO Y CON LOS INTERRUPTORES DE BLOQUEO DESHABILITADOS, NO MIRE DIRECTAMENTE CON INSTRUMENTOS ÓPTICOS.	
注音 -	打开时及联失效除时有可见及不可见激光辐射。避免光束照射。	01 XS10

· To reduce the risk of fire, electric shock or product

Do not place objects filled with liquids, such as vases,

on this unit.

 Do not remove covers. - Do not repair this unit by yourself. Refer servicing to qualified service personnel.

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.

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

- Do not expose this unit to rain, moisture, dripping or

well ventilated. Do not obstruct this unit's ventilation openings with - Use only the recommended accessories. newspapers, tablecloths, curtains, and similar items. - Do not place sources of naked flames, such as lighted

candles, on this unit. . This unit is intended for use in moderate climates. · Install this unit so that the AC mains lead can be unplugged from the socket outlet immediately if any problem occurs.

 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

To reduce the risk of fire, electric shock or product

Do not install or place this unit in a bookcase, built-in

cabinet or in another confined space. Ensure this unit is

. This unit utilizes a laser. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION!

 Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer

· When disposing the batteries, please contact your local authorities or dealer and ask for the correct method of · 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

Specifications

Amplifier section

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

Tuner section

FM 30 stations Preset station AM 15 stations

Frequency modulation (FM) Frequency range

87.50 MHz to 108.00 MHz (50 kHz step) Antenna terminals 75 Ω (unbalanced) Amplitude modulation (AM)

522 kHz to 1629 kHz (9 kHz step) Frequency range 520 kHz to 1630 kHz (10 kHz step)

Terminals section

USB port USB standard

USB 2.0 full speed Media file format support MP3 (*.mp3) USB device file system FAT12, FAT16, FAT32 DC OUT 5 V 500 mA MAX USB port power DC OUT 5 V, 1.0 A MAX iPod connector Headphones iack Terminal Stereo, 3.5 mm jack

Disc section

Disc played (8 cm or 12 cm)

CD, CD-R/RW (CD-DA, MP3*) Pick up

790 nm (CD) CLASS 1 Laser power Audio output (Disc) Number of channels 2 ch (FL, FR) FL = Front left channel

FR = Front right channel * MPEG-1 Layer 3, MPEG-2 Layer 3

1 way, 1 speaker system (bass reflex) Speaker unit(s) Full range 8 cm cone type x 1/ch 6Ω Impedance

Power supply

AC 220 to 240 V, 50 Hz Power consumption 400 mm x 213 mm x 110 mm Dimensions (W x H x D) [D = 72 mm (min)]

[D = 144 mm (tray open)] Operating temperature range 0°C to +40°C Operating humidity range

35% to 80% RH (no condensation)

Power consumption in standby mode 0.2 W (approximate)

 Specifications are subject to change without notice. Mass and dimensions are approximate.

Total harmonic distortion is measured by the digital

spectrum analyzer.

Getting started



1 Connect the FM indoor antenna. Place the antenna where reception is best.



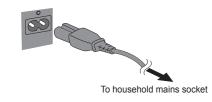
2 Connect the AM loop antenna.



3 Connect the AC mains lead.

Power consumption in standby mode: 0.2 W

Do not use an AC mains lead from other equipment.



· Some settings return to default when you disconnect the These speakers do not have magnetic shielding. Do

not put them near TVs, PCs or other equipment easily influenced by magnetism

You cannot remove the net of the speakers

Preparing the remote control

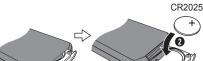
Before using

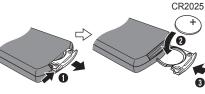


Replacing the battery Replace with a new battery (CR2025 lithium battery).

1 While pressing the stopper, pull out the battery 2 Insert a new battery with the (+) side facing up.

3 Push the battery holder back fully.





iPod/iPhone

Push [iPod ▲] to open the dock tray.



- · Make sure to remove the iPod/iPhone from its case • Make sure to align your iPod/iPhone with the connector
- when inserting
- Use a compatible dock adapter.
- If a dock adapter is not available, insert and remove the iPod/iPhone with care.

Press [CD ▲ OPEN/CLOSE] on the main unit to open the slidina door.



Keep fingers away from the sliding door when it is closing.

Radio

30 FM and 15 AM stations can be preset.

Connect the antennas (→ "Getting started")

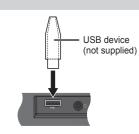
Press [RADIO] to select "FM" or "AM".

utomatic presetting

- 1 Press [PLAY MENU] to select "A.PRESET"
- 2 Press [▲, ▼] to select "LOWEST" or "CURRENT"
- LOWEST : To begin auto preset from the lowest frequency. CURRENT: To begin auto preset from the current
- * To change the frequency, refer to "Manual tuning and
- 3 Press [OK] to start presetting.
- The tuner presets all the stations it can receive into the channels in ascending order. To cancel, press [■].

Manual tuning and presetting

- 1 Press [PLAY MENU] to select "TUNEMODE"
- 2 Press [▲, ▼] to select "MANUAL" and then press
- 3 Press [I◄◄/◄◄] or [►►/►►I] to tune in to the
- To tune automatically, press and hold the button until the frequency starts changing quickly. "STEREO" is shown when the system is tuned in to a stereo broadcast.



Do not use a USB extension cable. The system cannot

Basic playback

To preset the station

5 Press [▲, ▼] to select a preset number.

station is stored in the same preset number

electing a preset station

mproving the sound quality

1 Press [PLAY MENU] to select "FM MODE".

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

"MONO" is also cancelled when you change the

Continue with steps 4 through 6 of "Manual tuning and

When "FM" is selected

To memorise the setting

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

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

3 Press [I◄◄/◄◄] or [►►/►►I] to select the preset

Do steps 3 through 6 again to preset more stations.

A station previously stored is overwritten when another

4 Press [OK].

6 Press [OK]

recognise USB device connected through a cable.	

Press [iPod], [CD] or [USB] to select the source.

1 lay	F1635 [-/11].
Stop	Press [I]. USB: The track is memorised. "RESUME" is shown. Press two times to stop fully.
Pause	Press [►/II]. Press again to continue playback.
Skip track	Press [I◄◄/◄◄] or [▶▶/▶▶I].
Search through track	Press and hold [I◄◄/◀◀] or [▶►/▶►I].

iPod/iPhone iPod View iPod menu | Press [iPod MENU].

Press [▲, ▼] and then press [OK].

Select an item

- Depending on the model, it may be necessary to remove the iPod/iPhone and select the album, artist, etc. on the iPod/iPhone.
- · Operation results may vary depending on the iPod/iPhone
- · Read the User Guide of the iPod/iPhone for the operating instructions.

Disc, USB	CD USB
Skip album	Press [▲, ▼].
View information	Press [DISPLAY].

iPod CD USB

- Maximum characters that can be shown: approximately 32 This system supports ver. 1.0. 1.1 and 2.3 ID3 tags.
- Text data that the system does not support can show

Checking the signal status

Press [DISPLAY].

FM ST

The FM signal is in monaural.

The FM signal is in stereo

FM MONO "MONO" is selected as the "FM MODE".

AM allocation setting (by main unit only)

1 Press [RADIO] to select "AM"

2 Press and hold [RADIO].

minimum frequency changes.

This system can also receive AM broadcasts allocated in

After a few seconds, the display panel shows the current

minimum radio frequency. Release the button when the

After you change the setting, preset frequencies are

To go back to the initial setting, do the above steps again

The system is not tuned in to a station.

- have been played
- The setting returns to default when you open the sliding

Compatible media

1 Press [PLAY MENU] to select "PLAYMODE" or

CD USB

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

PLAYMODE	
OFF PLAYMODE	Play all tracks.
1-TRACK	Play one selected track. Press [I◄◄/◄◄] or [▶▶/▶▶I] to select the track.
1-ALBUM 1 mm	Play one selected album. Press [▲, ▼] to select the album.
RANDOM RND	Play all tracks randomly.
1-ALBUM RANDOM 1 M RND	Play all tracks in one selected album randomly. Press [▲, ▼] to select the album.
REPEAT	
ON REPEAT	Repeat playback.

Sound effects

BASS

TREBLE

D.BASS

SURROUND

Play menu

· During random playback, you cannot skip to tracks which

OFF REPEAT | Cancel repeat playback.

1 Press [SOUND] to select a sound effect.

2 Press [▲, ▼] to select the desired setting.

PRESET EQ "HEAVY" : Adds punch to rock.

"SOFT" : For background music.

"VOCAL": Adds gloss to vocal.

"BASS -4" to "BASS +4".

"ON SURROUND" or

"OFF SURROUND".

"TREBLE-4" to "TREBLE+4".

"ON D.BASS" or "OFF D.BASS".

"CLEAR": Clarifies higher frequencies.

"FLAT" : Cancels the sound effect.

iPod/iPhone (as of February 2012)

Update your iPod/iPhone with the latest software before using this system

iPod touch

1st, 2nd, 3rd and 4th generation

iPod nano 2nd, 3rd, 4th, 5th and 6th generation

iPod classic iPhone 4S / iPhone 4 / iPhone 3GS / iPhone 3G /

Charging an iPod/iPhone

Troubleshooting

dealer for instructions.

Common problems

(⇒ right, "REMOTE □").

this system.

iPod/iPhone

Sound is distorted or no sound.

· Adjust the volume of the system.

An iPod/iPhone is charged automatically when connected to the system (even when the system is in standby mode).

- See the iPod/iPhone display for its battery charging status. Disconnect the iPod/iPhone if it is not used for an
- extended period of time after charging is complete

Before requesting service, make the following checks. If

you are in doubt about some of the check points, or if the

solutions indicated do not solve the problem, consult your

No operations can be done with the remote control

The remote control and this unit are using different codes

power, and when using the system in a hot environment.

Keep other appliances and cords away from the cable of

A "humming" sound can be heard during playback.

· An AC mains lead or fluorescent light is near the cable

You cannot switch on the iPod/iPhone.

iPod/iPhone does not charge.

Examine the connection

Examine that the battery is installed correctly.

Charging stops when the battery is fully charged. The battery will deplete naturally.

- This system can play CD-R/RW with CD-DA or MP3
- format content.
- · Some CD-R/RW cannot be played because of the condition of the recording.
- MP3 files are defined as tracks and folders are defined as
- albums. This system can access up to:
- CD-DA: 99 tracks
- MP3 : 999 tracks, 255 albums (including root folder) and 20 sessions
- · Disc must conform to ISO9660 level 1 or 2 (except for
- extended formats). Recordings will not necessarily be played in the order you

USB

- Compatible USB devices which are defined as mass storage class
- USB devices that support bulk-only transfer - USB devices that support USB 2.0 full speed
- Files are defined as tracks and folders are defined as albums.
- Track must have the extension ".mp3" or ".MP3"
- This system can access up to: - 255 albums (including root folder)
- 2500 tracks
- 999 tracks in one album
- CBI (Control/Bulk/Interrupt) is not supported
- NTFS file system is not supported (only FAT 12/16/32 file system is supported).
- Some files can fail to work because of the sector size.

- This is a 24-hour clock.
- - 1 Press [SETUP] to select "CLOCK".
 - 2 Press [▲, ▼] to set the time.

Reset the clock regularly to maintain accuracy.

3 Press [OK].

Sleep timer

To cancel, select "OFF".

overlap of timers.

Clock and timers

etting the clock

To show the clock for a few seconds Press [SETUP] to select "CLOCK" and then press [OK].

The sleep timer switches off the system after the set time.

SLEEP 30 \rightarrow SLEEP 60 \rightarrow SLEEP 90 \rightarrow SLEEP120

- OFF ←

The display changes temporarily when you perform other

· The sleep timer can be used together with the play timer.

• The sleep timer always comes first. Be sure not to set an

Press [SLEEP] to select the setting (in minutes).

The remaining time is always shown on the display.

Play timer

you up.

Preparation

Set the clock

3 Press [OK].

1 Prepare the audio source you want to listen to and

4 Do steps 2 and 3 again to set the end time.

You can set the timer to come on at a certain time to wake

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

1 Press [SETUP] to select "TIMER ADJ".

2 Press [▲, ▼] to set the start time

3 Press [▲, ▼] to select "SET" and then press [OK]. "⊕" is shown. must be switched off for the timer to

Check setting		Press [SETUP] to select "TIMER ADJ" Press [OK].
Cance	el	 Press [SETUP] to select "TIMER SET Press [▲, ▼] to select "OFF" and ther press [OK].

- The timer starts at a low volume and increases gradually to the preset level.
- The timer comes on at the set time every day if the timer
 - timer is in operation, the timer will not stop at the end time.

This function switches off the system (except in radio source) if you do not use the system for approximately

iPod CD USB

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

Auto off function

2 Press [▲, ▼] to select "ON" or "OFF" and then press

operate.	
Check the	1. Press [SETUP] to select "TIMER

	settings	2. Press [OK].
	Cancel	 Press [SETUP] to select "TIMER SE" Press [▲, ▼] to select "OFF" and the press [OK].

• If you switch off the system and switch on again while a

An unsupported MP3 format. The system will skip that

"NOT SUPPORTED"

"NOT MP3/ERROR"

You have inserted an iPod/iPhone that cannot be played. • If the iPod/iPhone is compatible, remove the iPod/iPhone and connect it again. Examine that the battery of the iPod/

iPhone is not depleted. "REMOTE □" ("□" stands for a number.)

track and play the next one

- · The remote control and this unit are using different codes. Change the code of the remote control.
- When "REMOTE 1" is shown, press and hold [OK] and [▼] for a minimum of 4 seconds. - When "REMOTE 2" is shown, press and hold [OK] and

[A] for a minimum of 4 seconds.

The system cannot show the remaining play time for

"IPOD OVER CURRENT ERROR" or variable bit rate (VBR) tracks The iPod/iPhone or USB device is drawing too much

- · You want to clear and reset the memory contents
- Disconnect the AC mains lead. Wait 3 minutes before you continue with step 2.

----" is shown. Examine the content. You can only play supported format.

3 Release [ധ്വ].

Remote control code

When other Panasonic equipment responds to the remote control of this system, change the remote control code for

To set the code to "REMOTE 2"

- 1 Press and hold [CD] on the main unit and [▲] on the remote control until "REMOTE 2" is shown
- 2 Press and hold [OK] and [▲] for a minimum of 4 seconds.

To set the code to "REMOTE 1"

- 1 Press and hold [CD] on the main unit and [▼] on the remote control until "REMOTE 1" is shown
- 2 Press and hold [OK] and [▼] for a minimum of

emory reset (initialisation)

Reset the memory when the following situations occur: • There is no response when buttons are pressed.

- 2 While you press and hold [0/1] on the main unit, connect the AC mains lead again.
- - All the settings are set back to the factory preset. It is necessary to set the memory items again.

Main unit displays

· You connected the AC mains lead for the first time or there was a power failure recently. Set the clock.

· Play timer is not set. Adjust the play timer accordingly.

· An incorrect operation was done. Read the instructions

power. Remove the iPod/iPhone or USB device. Switch

The iPod/iPhone or USB device is not connected.

· You have put in a disc that the system cannot play

You have inserted a USB device that cannot be played.

If there are more than 255 albums or folders (audio

and non-audio), some of the MP3 files in these albums

cannot be read and played. Transfer these music albums

to another USB device. Alternatively, reformat the USB

device and save these music albums prior to saving the

"ADJUST CLOCK"

"ADJUST TIMER"

and try again.

"NODEVICE"

"NO DISC"

"NO PLAY"

• There is a power supply problem.

"USB OVER CURRENT ERROR"

the system off and on again.

Examine the connection

· You have not put in a disc

other non-audio folders.

"ERROR"

· Clock is not set. Adjust the clock accordingly • There is condensation. Let the system dry for 1 to 2 hours.

non-standard.

Display not shown correctly.

Playback does not start.

· Disc is dirty. Clean the disc.

Disc

The USB device or the contents in it cannot be read.

You did not put the disc in correctly. Put it in correctly.

Replace the disc if it is scratched, warped, or

- The format of the USB device or the contents in it is/are · Examine the volume of the iPod/iPhone. not compatible with the system Switch off the system, determine and correct the cause. USB devices with storage capacity of more than 32 GB then switch the system on again. It can be caused by cannot work in some conditions straining of the speakers through excessive volume or

Slow operation of the USB device. Large content size or large memory USB device takes

longer time to read.

The elapsed time shown is different from the actual play . Transfer the data to another USB device or backup the

Radio · Examine that the battery of the iPod/iPhone is not

- Switch off the iPod/iPhone and the system before you A beat sound is heard. connect the iPod/iPhone. Connect the iPod/iPhone and
 - Move mobile telephones away from the unit if the interference is apparent

data and reformat the USB device.

 Change the AM frequency step (→ "AM allocation setting").

Switch off the TV or move it away from the system.

A low hum is heard during AM broadcasts. Move the antenna away from other cables and cords.

Stations cannot be selected