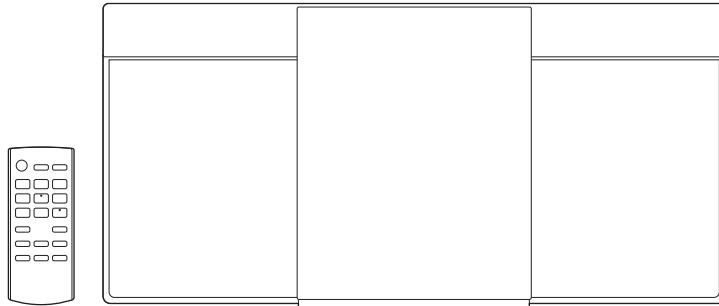


Panasonic®

Operating Instructions Compact Stereo System

Model No. **SC-HC302**
SC-HC300



This illustration shows SC-HC302.

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully.

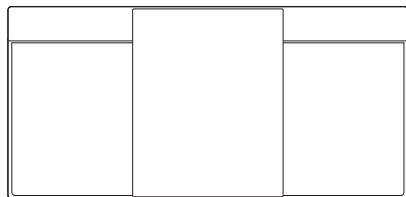
Please keep this manual for future reference.

These operating instructions are applicable for models SC-HC302 and SC-HC300.

[**HC302**]: Indicate features applicable to SC-HC302.

[**HC300**]: Indicate features applicable to SC-HC300.

Unless otherwise indicated, illustrations in these operating instructions are of SC-HC302. Your system and the illustrations can look differently.



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

The holes at the back are used only by the retailers for product display purposes.

Panasonic cannot be held responsible for any property damage and/or serious injury, including death resulting from improper use of these holes.

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 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.

CAUTION!

Unit

- 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 place sources of naked flames, such as lighted candles, on this unit.

- [**HC302**]

This unit is intended for use in moderate climates.

- [**HC300**]

This unit is intended for use in tropical and moderate climates.

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

AC mains lead

- The mains plug is the disconnecting device. Install this unit so that the mains plug can be unplugged from the socket outlet immediately.

Battery

- Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
- When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
- Do not heat or expose to flame.
- Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
- Do not break open or short-circuit the battery.
- Do not charge the alkaline or manganese battery.
- Do not use the battery if the cover has peeled off.
- Remove the battery if you do not use the remote control for a long period of time. Keep in a cool, dark area.

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Note on AC mains lead

(For the AC mains plug of three pins)

For your safety, please read the following text carefully.

Before use

Remove the connector cover.

How to replace the fuse

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

Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

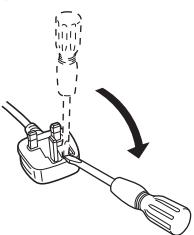
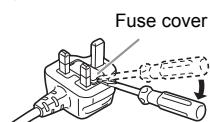


Figure B



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

Figure A

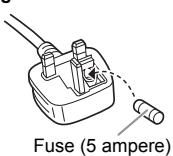
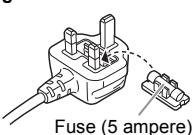


Figure B



HC300

This telecommunication equipment conforms to NTC/NBTC technical requirement.

Connection and use of this communications equipment is permitted by the Nigerian Communications Commission.

HC302



**Disposal of Old Equipment and Batteries
Only for European Union and countries
with recycling systems**

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.



Supplied accessories

Check and identify the supplied accessories.

HC302

1 AC mains lead

HC300

3 AC mains leads

For Saudi Arabia



HC302

1 DAB indoor antenna



HC300

1 FM indoor antenna



1 Remote control

(N2QAYB000944)

1 Remote control battery

The symbols on this product (including the accessories) represent the following:

~ AC

--- DC

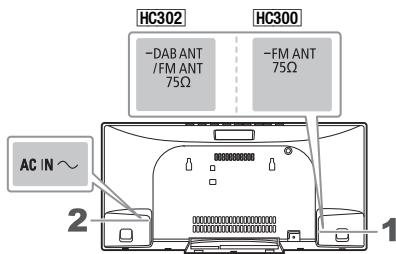
Class II equipment (The construction of the product is double-insulated.)

| ON

⊕ Standby

Making the connections

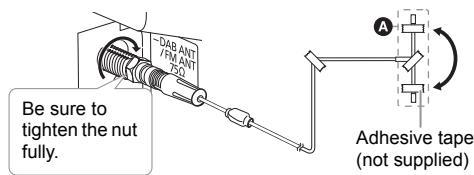
Connect the AC mains lead only after all the other connections have been made.



1 HC302

Connect the DAB indoor antenna.

Rotate the antenna at A to improve reception.

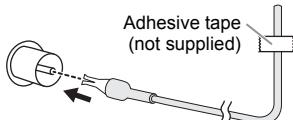


Note:

- Do not use any other DAB antenna except the supplied one.
- Do not mount the DAB antenna on metal objects such as water pipes or any metal parts of the building.

HC300

Connect the FM indoor antenna.



2 Connect the AC mains lead.

To household mains socket

Do not use any other AC mains lead except the supplied one.

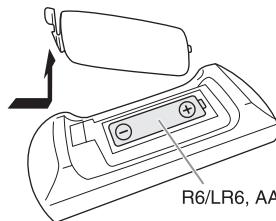
Conserving power

The system consumes a small amount of power (⇒ 17) even when it is in standby mode. Disconnect the power supply if you do not use the system. Some settings will be lost after you disconnect the system. You have to set them again.

Note:

- These speakers do not have magnetic shielding. Do not put them near TVs, PCs or other equipment easily influenced by magnetism.
- Tape the antenna to a wall with the least amount of interference.
- Use an outdoor antenna (not supplied) if reception is poor.

Preparing the remote control

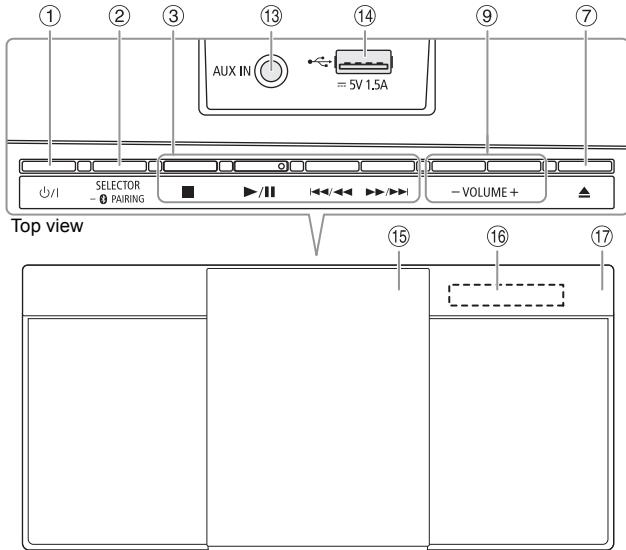
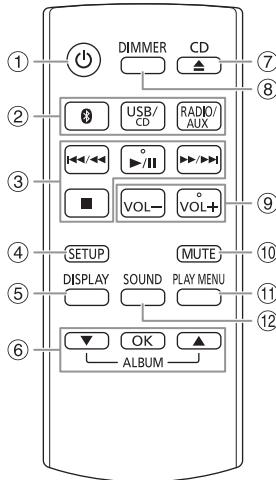


Use alkaline or manganese battery.

Install the battery so that the poles (+ and -) align with those in the remote control.

Overview of controls

Do the procedures with the remote control. You can also use the buttons on the main unit if they are the same.



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 Select the audio source

On the remote control:

Press the corresponding button to select the source.

[]: BLUETOOTH

[USB/CD]: USB ↔ CD

[RADIO/AUX]:

DAB+ [**HC302**] → FM → AUX



On the main unit:

CD → BLUETOOTH → USB → DAB+ [**HC302**] → FM



Select "BLUETOOTH" as the audio source

To start Bluetooth® pairing or disconnect a Bluetooth device, press and hold the corresponding button.

③ Basic playback control

④ View the setup menu

⑤ View the content information

⑥ Select or confirm the option

⑦ Open or close the sliding door

⑧ Decrease the brightness of the display panel

To cancel, press the button again.

⑨ Adjust the volume level

⑩ Mute the sound

To cancel, press the button again.

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

⑪ View the play menu

⑫ Select the sound effects

⑬ AUX IN terminal (⇒ 12)

⑭ USB port () (⇒ 13)

⑮ Sliding door

⑯ Display panel

⑰ Remote control sensor

Distance: Within approximately 7 m

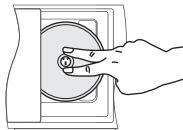
Angle: Approximately 20° up and down, 30° left and right

Preparing the media

Disc

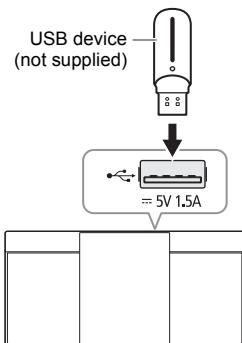
- 1 Press [USB/CD] to select "CD".
- 2 Press [CD ▲] (main unit: [▲]) to open the sliding door.

Put in a disc with the label facing towards you.



- 3 Press [CD ▲] (main unit: [▲]) again to close the sliding door.
Keep fingers away from the sliding door when it is closing.

USB



Press [USB/CD] to select "USB".

Note:

Do not use a USB extension cable. The system cannot recognise USB device connected through a cable.

Bluetooth®

You can connect and play an audio device wirelessly through Bluetooth®.

Preparation

- Switch on the Bluetooth® feature of the device and put the device near the system.
- Read the operating instructions of the device for details.

■ Pairing a device

Preparation

If this system is connected to a Bluetooth® device, disconnect it. (⇒ 7)

- 1 Press [Bluetooth] to select "BLUETOOTH".
If "PAIRING" is shown, continue with step 3.
- 2 Press [PLAY MENU] to select "PAIRING".
Or press and hold [SELECTOR] – [Bluetooth] PAIRING on the main unit until "PAIRING" is shown.
- 3 Select "SC-HC302" or "SC-HC300" from the Bluetooth® menu of the device.
If prompted for a passkey, input "0000".
The device connects with this system automatically after pairing is complete.
The MAC address (example: 6C:5A:B5:B3:1D:0F) may be shown before "SC-HC302" or "SC-HC300" is shown.
The name of the connected device is shown for a few seconds.

Note:

You can pair up to 8 devices with this system. If a 9th device is paired, the device that has not been used for the longest time will be replaced.

■ Connecting a device

Preparation

If this system is connected to a Bluetooth® device, disconnect it. (⇒ 7)

- 1 Press [Bluetooth] to select "BLUETOOTH".
"BLUETOOTH READY" is shown.
- 2 Select "SC-HC302" or "SC-HC300" from the Bluetooth® menu of the device.
The name of the connected device is shown for a few seconds.

3 Start playback on the device.

Note:

- A device must be paired to connect.
- This system can only connect to one device at a time.
- When "BLUETOOTH" is selected as the source, this system will automatically try to connect to the last connected device. ("LINKING" is shown during this process.)

Disconnecting a device

- 1 Press [] to select "BLUETOOTH".
- 2 Press [PLAY MENU] repeatedly to select "DISCONNECT?".
- 3 Press [Δ , ∇] to select "OK? YES" and then press [OK].

Note:

A device is disconnected when you:

- Select a different source.
- Move the device out of the maximum range.
- Disable the Bluetooth® transmission of the device.
- Switch off the system or the device.

Link mode

You can change the link mode to suit the connection type.

Preparation

If this system is connected to a Bluetooth® device, disconnect it. (⇒ above)

- 1 Press [PLAY MENU] repeatedly to select "LINK MODE".
- 2 Press [Δ , ∇] to select the mode and then press [OK].

MODE 1 Emphasis on connectivity.

MODE 2 (default) Emphasis on sound quality.

Note:

- Depending on the device, the playback image and sound may not be synchronised. In this case, select "MODE 1".
- Select "MODE 1" if the sound is interrupted.

Input level

You can change the input level setting if the sound input level of the Bluetooth® transmission is too low.

- 1 Press [PLAY MENU] repeatedly to select "INPUT LEVEL".
- 2 Press [Δ , ∇] to select the level and then press [OK].

LEVEL 0 ↔ LEVEL +1 ↔ LEVEL +2
↑ ↑

Note:

- The default setting is "LEVEL 0".
- Select "LEVEL 0" if the sound is distorted.

Media playback

The following marks indicate the availability of the feature.

	CD-R/RW in CD-DA format or with MP3 files.
	USB device with MP3 files.
	Bluetooth® device.

Basic playback

Play	Press [].
Stop	Press []. The position is memorised. "RESUME" is shown. Press again to stop fully.
Pause	Press []. Press again to continue playback.
Skip	Press [/] or [/] to skip track. Press [Δ , ∇] to skip MP3 album.
Search	Press and hold [/] or [/].

Note:

Depending on the Bluetooth® device, some operations may not work.

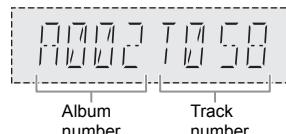
Viewing available information

You can view the available information on the display panel.

Press [DISPLAY] repeatedly.

Note:

- 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 differently.
- Example: MP3 album and track number display.



Play menu

CD USB

- 1 Press [PLAY MENU] repeatedly to select "PLAYMODE" or "REPEAT".
- 2 Press [Δ , ∇] to select the setting and then press [OK].

PLAYMODE

OFF	Cancel the setting.
PLAYMODE	
1-TRACK 1	Play one selected track. Press [\ll / \ll or \gg / \gg] to select the track.
1-ALBUM 1	Play one selected MP3 album. Press [Δ , ∇] to select the MP3 album.
RANDOM RND	Play all tracks randomly.
1-ALBUM RANDOM 1 RND	Play all tracks in one selected MP3 album randomly. Press [Δ , ∇] to select the MP3 album.

REPEAT

OFF REPEAT	Cancel the setting.
ON REPEAT	Repeat playback.

Note:

- During random playback, you cannot skip to tracks which have been played.
- The setting is cancelled when you open the sliding door or disconnect the USB device.

Note on disc

- This system can play CD-R/RW with CD-DA or MP3 format content.
- This system can access up to:
 - CD-DA: 99 tracks
- Before playback, finalise the disc on the device it was recorded on.
- Some CD-R/RW cannot be played because of the condition of the recording.

Note on USB device

- This system does not guarantee connection with all USB devices.
- This system supports USB 2.0 full speed.
- This system can support USB devices of up to 32 GB.
- Only FAT 12/16/32 file system is supported.

Note on MP3 file

- Files are defined as tracks and folders are defined as albums.
- Tracks must have the extension ".mp3" or ".MP3".
- Tracks will not necessarily be played in the order you recorded them.
- Some files can fail to work because of the sector size.

MP3 file on disc

- This system can access up to:
 - 255 albums (including root folder)
 - 999 tracks
 - 20 sessions
- Disc must conform to ISO9660 level 1 or 2 (except for extended formats).

MP3 file on USB device

- This system can access up to:
 - 800 albums (including root folder)
 - 8000 tracks
 - 999 tracks in one album

Radio

Press [RADIO/AUX] to select "FM".

Manual tuning

- 1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
- 2 Press [Δ , ∇] to select "MANUAL" and then press [OK].
- 3 Press [$\blacktriangleleft/\blacktriangleright$] or [$\blacktriangleright/\blacktriangleright$] to tune in to the station.
To tune automatically, press and hold the button until the frequency starts changing quickly.
"STEREO" is shown when a stereo broadcast is being received.

Memory presetting

You can preset up to 30 FM stations.

Automatic presetting

- 1 Press [PLAY MENU] to select "A.PRESET".
- 2 Press [Δ , ∇] to select "LOWEST" or "CURRENT" and then press [OK].
The tuner presets all the stations it can receive into the channels in ascending order.
To cancel, press [■].

LOWEST	Tuning begins from the lowest frequency.
CURRENT	Tuning begins from the current frequency.

Manual presetting

- 1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
- 2 Press [Δ , ∇] to select "MANUAL" and then press [OK].
- 3 Press [$\blacktriangleleft/\blacktriangleright$] or [$\blacktriangleright/\blacktriangleright$] to tune in to the station.
- 4 Press [OK].
- 5 Press [Δ , ∇] to select a preset number and then press [OK].
Repeat steps 3 to 5 to preset more stations.
The new station replaces any station that occupies the same preset number.

Selecting a preset station

- 1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
- 2 Press [Δ , ∇] to select "PRESET" and then press [OK].
- 3 Press [$\blacktriangleleft/\blacktriangleright$] or [$\blacktriangleright/\blacktriangleright$] to select the preset station.

Improving the sound quality

- 1 Press [PLAY MENU] repeatedly to select "FM MODE".
- 2 Press [Δ , ∇] to select "MONO" and then press [OK].
To cancel, select "STEREO".
"MONO" is also cancelled when you change the frequency.

To memorise the setting

Continue with step 4 of "Manual presetting". (\Rightarrow left)

Checking the signal status

Press [DISPLAY].

FM - - -	The FM signal is in monaural. The system is not tuned in to a station.
FM ST	The FM signal is in stereo.
FM MONO	"MONO" is selected as the "FM MODE".

DAB/DAB+

HC302

Preparation

Press [RADIO/AUX] to select "DAB+".

Note:

If you select "DAB+" for the first time, the system will tune automatically.

Manual tuning

- 1 Press [PLAY MENU] repeatedly to select "MANUAL SCAN".
- 2 Press [Δ , ∇] to select the frequency block and then press [OK].
If no station is detected, "SCAN FAILED" is shown.
Adjust the antenna and try again.

To tune automatically

- 1 Press [PLAY MENU] to select "AUTOSCAN" and then press [OK].
"START?" is shown.
- 2 Press [OK] to start tuning.
"DAB AUTO SCAN" is shown.
If no station is detected, "SCAN FAILED" is shown.
Do manual tuning.

Note:

Preset frequencies are erased after you do automatic tuning.

Memory presetting

You can preset up to 20 stations.

- 1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
- 2 Press [Δ , ∇] to select "STATION" and then press [OK].
- 3 Press [\lll / \ggg] or [\ggg / \lll] to tune in to the station.
- 4 Press [OK].
- 5 Press [Δ , ∇] to select a preset number and then press [OK].
Repeat steps 3 to 5 to preset more stations.
The new station replaces any station that occupies the same preset number.

Note:

You cannot preset a station when the station is not broadcasting or when you have selected a secondary service.

Selecting a preset station

- 1 Press [PLAY MENU] repeatedly to select "TUNE MODE".
- 2 Press [Δ , ∇] to select "PRESET" and then press [OK].
- 3 Press [\lll / \ggg] or [\ggg / \lll] to select the preset station.

Secondary service

You can listen to secondary services when is shown.

- 1 Press [PLAY MENU] repeatedly to select "DAB SECONDARY".
- 2 Press [Δ , ∇] to select the secondary service and then press [OK].
To cancel, select "PRIMARY".

Note:

The setting is cancelled when you select other stations.

Viewing available information

You can view the following information on the display panel:

Dynamic label	Information about the DAB broadcast
PTY display	Programme type
Ensemble label	The name of the ensemble
Frequency display	The frequency block and frequency is shown
Time display	Current time

Press [DISPLAY].

Checking the signal quality

You can check the signal quality when adjusting the antenna.

- 1 Press [PLAY MENU] repeatedly to select "SIGNAL QUALITY".
- 2 Press [OK].
The frequency block followed by the reception quality is shown.
To select other frequency blocks, press [Δ , ∇].



Frequency block Reception quality
0 (poor) to 8 (excellent)

- 3 Press [OK] again to exit.

Automatic clock adjustment

You can set the clock to update automatically.

- 1 Press [PLAY MENU] repeatedly to select "AUTO CLOCK ADJ".
- 2 Press [Δ , ∇] to select "ON ADJUST" and then press [OK].
To cancel, select "OFF ADJUST".

Clock and timers

Setting the clock

This is a 24-hour clock.

- 1 Press [SETUP] repeatedly to select “CLOCK”.
- 2 Press [Δ , ∇] to set the time and then press [OK].

To check the time

Press [SETUP] repeatedly to select “CLOCK” and then press [OK].

In standby mode, press [DISPLAY].

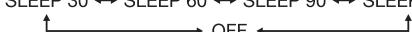
Note:

Reset the clock regularly to maintain accuracy.

Sleep timer

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

- 1 Press [SETUP] repeatedly to select “SLEEP”.
- 2 Press [Δ , ∇] to select the setting (in minutes) and then press [OK].
To cancel, select “OFF”.

SLEEP 30 \leftrightarrow SLEEP 60 \leftrightarrow SLEEP 90 \leftrightarrow SLEEP 120


Note:

- The remaining time is shown at every minute except when other operations are being performed.
“SLEEP 1” will always be shown when only 1 minute remains.
- The sleep timer always comes first. Be sure not to set an overlap of timers.

Play timer

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

Preparation

Set the clock.

- 1 Press [SETUP] repeatedly to select “TIMER ADJ”.
- 2 Press [Δ , ∇] to set the start time and then press [OK].
- 3 Repeat step 2 to set the end time.
- 4 Press [Δ , ∇] to select the music source you want to play and then press [OK].

To start the timer

- 1 Press [SETUP] repeatedly to select “TIMER SET”.
- 2 Press [Δ , ∇] to select “SET” and then press [OK].
“ \odot ” is shown.
To cancel, select “OFF”.
The system must be switched off for the timer to operate.

To check the setting

Press [SETUP] repeatedly to select “TIMER ADJ” and then press [OK].

In standby mode, press [DISPLAY] two times.

Note:

- 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 is on.
- If you switch off the system and then switch on again while a timer is in operation, the timer will not stop at the end time.
- “CD”, “USB”, “DAB+” (“SC-HC302”) and “FM” can be set as the music source.

Sound effects

- 1 Press [SOUND] repeatedly to select the sound effect.
- 2 Press [Δ , ∇] to select the setting and then press [OK].

MY SOUND	"SOUND 1", "SOUND 2" or "SOUND 3" (\Rightarrow below)
PRESET EQ	"HEAVY", "SOFT", "CLEAR", "VOCAL" or "FLAT"
BASS	-4 to +4
TREBLE	-4 to +4
D.BASS	"ON D.BASS" or "OFF D.BASS"
SURROUND	"ON SURROUND" or "OFF SURROUND"
CLEAR-MODE DIALOG	"ON CLEAR-MODE DIALOG" or "OFF CLEAR-MODE DIALOG"

Note:

Changed settings will be kept until it is changed again, unless otherwise indicated.

Saving the sound settings

You can save the current sound effects (up to 3 combinations).

Preparation

Select the sound effects.

- 1 Press [SETUP] to select "SAVE MY SOUND".
- 2 Press [Δ , ∇] to select a sound setting number and then press [OK].
"SAVED" is shown.
The new setting replaces the one existing in the same sound setting number.

To recall the setting

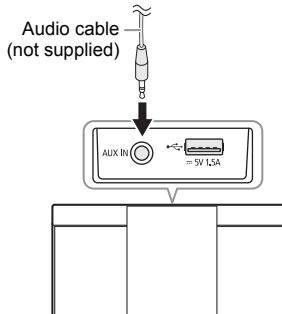
- 1 Press [SOUND] to select "MY SOUND".
- 2 Press [Δ , ∇] to select the sound setting number and then press [OK].

External music device

You can play music from an external music device.

Preparation

- Switch off the equaliser (if any) of the external music device to prevent sound distortion.
- Decrease the volume of the system before you connect or disconnect the external music device.



- 1 Connect the external music device using an audio cable (not supplied).
Plug type: Ø 3.5 mm stereo

- 2 Press [RADIO/AUX] to select "AUX".

- 3 Play the external music device.

To adjust the input level

- 1 Press [SOUND] repeatedly to select "INPUT LEVEL".
- 2 Press [Δ , ∇] to select "LOW" or "HIGH" and then press [OK].

Note:

- The default setting is "HIGH".
- Select "LOW" if the sound is distorted during "HIGH" input level.
- Read the operating instructions of the external music device for details.
- Components and cables are sold separately.

AUX IN auto play

The system will automatically switch to AUX source when it detects the signal from an external music device. This function also works in standby mode.

- 1 Press [SETUP] repeatedly to select "AUX-IN AUTO PLAY".
- 2 Press [Δ , ∇] to select "ON" and then press [OK].
To cancel, select "OFF".

Note:

- The default setting is "OFF".
- When the function is switched off and every time you switch to AUX source, "AUX-IN AUTO PLAY IS OFF" will be shown once.
- This function does not work when the volume of the external music device is low, increase its volume.
- Stop or pause the external music device before you change to other music source or to standby mode so as to prevent the automatic switch to AUX source.

Others

Auto off

This system automatically switches off when you do not use it for approximately 20 minutes.

- 1 Press [SETUP] repeatedly to select “AUTO OFF”.**
- 2 Press [▲, ▼] to select “ON” and then press [OK].**
To cancel, select “OFF”.

Note:

This function does not work when you are in radio source or when a Bluetooth® device is connected.

Bluetooth® standby

This function automatically switches on the system when you establish a Bluetooth® connection from a paired device.

- 1 Press [SETUP] repeatedly to select “BLUETOOTH STANDBY”.**
- 2 Press [▲, ▼] to select “ON” and then press [OK].**
To cancel, select “OFF”.

Charging a device

This system can supply power to a device, such as a smartphone, connected to the USB port.

Note:

- Use a cable compatible with the device.
- Use the charger supplied with the device if power is not supplied to the device.
- Do not use a cable or connect a device that exceeds the rated value of 5 V, 1.5 A.
- Examine the screen of the device to check if charging is complete. Disconnect the device after charging.
- Once fully charged, remove the USB cable from the USB port.
- After the device has started charging, you can switch the unit to standby mode.
 - When charging a depleted device, do not switch the unit to standby mode until the device becomes operational.
- Depending on the device, power may not be supplied to it.
- Read the operating instructions of the device for details.

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. For more details, refer to the following website.

<http://panasonic.jp/support/global/cs/>

(This site is in English only.)

Checking the software version

- 1 Press [SETUP] repeatedly to select “SW VER.” and then press [OK].**
The software version is shown.
- 2 Press [OK] again to exit.**

Troubleshooting

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 dealer for instructions.

Common problems

The unit cannot be switched on.

- Connect the AC mains lead and wait for a minimum of 10 seconds before switching on the unit.

The unit does not work.

- The safety device has been activated. Do the following:
 1. Press [\odot/I] on the main unit to switch the unit to standby mode. If the unit does not switch to standby mode, disconnect the AC mains lead and connect it again.
 2. Press [\odot/I] again to switch on the unit. If the problem persists, consult your dealer.

No operations can be done with the remote control.

- Examine that the battery is installed correctly.

Sound is distorted or no sound.

- Adjust the volume of the system.
- Switch off the system, determine and correct the cause, and then switch on again. It can be caused by straining of the speakers through excessive volume or power, and when using the system in a hot environment.

A humming sound can be heard during playback.

- An AC mains lead or fluorescent light is near the cables. Keep other appliances and cords away from the cables of this system.

Noise is heard.

- Depending on the device, noise may be heard if the device is connected to the AUX IN terminal and USB port at the same time. Disconnect the cable from the USB port.

Disc

Display not shown correctly.

Playback does not start.

- You have not put in the disc correctly. Put it in correctly.
- Disc is dirty. Clean the disc.
- Replace the disc if it is scratched, warped, or non-standard.
- There is condensation. Let the system dry for 1 to 2 hours.

The total number of tracks displayed is incorrect.

The disc cannot be read.

Distorted sound is heard.

- You put in a disc that the system cannot play. Change to a playable disc.
- You put in a disc that has not been finalised.

USB

No response when you press [$\blacktriangleright/\text{II}$].

- Disconnect the USB device and then connect it again. Alternatively, switch the unit off and on again.

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

- The format of the USB device or the contents in it are not compatible with the system.
- USB devices with storage capacity of more than 32 GB cannot work in some conditions.

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 time.

- Transfer the data to another USB device or backup the data and reformat the USB device.

Bluetooth®

Pairing cannot be done.

- Check the Bluetooth® device condition.
- The device is out of the 10 m communication range. Move the device nearer to the system.

The device cannot be connected.

- The pairing of the device was unsuccessful. Do pairing again.
- The pairing of the device has been replaced. Do pairing again.
- This system might be connected to a different device. Disconnect the other device and try connecting the device again.
- The system may have a problem. Switch off the system and then switch on again.
- If "MODE 2" is selected in "LINK MODE", select "MODE 1". ($\Rightarrow 7$)

The device is connected but audio cannot be heard through the system.

- For some built-in Bluetooth® devices, you have to set the audio output to "SC-HC302" or "SC-HC300" manually. Read the operating instructions of the device for details.

Sound from the device is interrupted.

- The device is out of the 10 m communication range. Move the device nearer to the system.
- Remove any obstacle between the system and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Move the device nearer to the system and distance it from the other devices.
- Select "MODE 1" for stable communication. ($\Rightarrow 7$)

Radio, DAB/DAB+

Sound is distorted or static is heard.

- Check that the antenna(s) is properly connected. ($\Rightarrow 4$)
- Adjust the position of the antenna.
- Keep a certain amount of distance between the antenna and the AC mains lead.
- Use an outdoor antenna if there are buildings or mountains nearby.
- Switch off the TV or other audio players or separate it from the system.
- Keep the system away from mobile phones if there is interference.

If there is excessive noise during FM reception.

- Change the audio output to monaural. ($\Rightarrow 9$)

DAB/DAB+ reception is poor.

- Keep the antenna away from computers, TV, other cables and cords.

AUX IN

"AUX-IN Auto Play" does not work.

- You have not connected the external music device correctly.
- Increase the volume of the external music device.
- If "OFF" was selected during "AUX-IN AUTO PLAY", select "ON".

Unintentional automatic switch to AUX source.

- Connect the audio cable to the system only after all the other connections have been made.
- Noise may be detected when connecting the external music device and it will cause the set to automatically switch to AUX source.

Main unit displays

--:-"

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

"ADJUST CLOCK"

- The clock is not set. Adjust the clock.

"ADJUST TIMER"

- The play timer is not set. Adjust the play timer.

"AUTO OFF"

- The system has not been used for 20 minutes and will switch off within a minute. To cancel, press any button.

"ERROR"

- An incorrect operation was done. Read the instructions and try again.

"F61"

"F77"

- Disconnect the AC mains lead and consult your dealer.

"F703"

- Examine the Bluetooth® connection.
- Disconnect the Bluetooth® device. Switch off the system and then switch on again.

"F76"

- There is a problem with the power supply.
- Disconnect the AC mains lead and consult your dealer.

"ILLEGAL OPEN"

- The sliding door is not in a correct position. Switch off the system and then switch on again.

"NO DEVICE"

- The USB device is not connected. Examine the connection.

"NO DISC"

- You have not put in a disc.

"NO PRESET"

- DAB memory presetting has not been done.

"NO PLAY"

- Examine the content. You can only play supported format.
- The files in the USB device may be corrupted. Format the USB device and try again.
- The system may have a problem. Switch off the system and then switch on again.

"NO SIGNAL"

- The station cannot be received. Adjust the antenna.

"PLAYERROR"

- You played an unsupported MP3 file. The system will skip that track and play the next one.

"LINKING"

- This system is trying to connect to the last connected Bluetooth® device when "BLUETOOTH" is selected.

"READING"

- The unit is checking the "CD/USB" information. After this display has disappeared, start operating.

"REMOTE 1"

"REMOTE 2"

- The remote control and the main 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 [USB/CD] for a minimum of 4 seconds.

"SCAN FAILED"

- Stations cannot be received. Adjust the antenna or perform the "AUTO SCAN" tuning function. (⇒ 10)
If "SCAN FAILED" is still shown, find the best signal reception with the "MANUAL SCAN" tuning function.
(⇒ 10)

"SOUND 1 NOT SET"

"SOUND 2 NOT SET"

"SOUND 3 NOT SET"

- You have not saved the sound effects into the sound setting number.

"USB OVER CURRENT ERROR"

- The USB device is using too much power. Disconnect the USB device, switch off the system and then switch on again.
- Check the connection, it may be caused by a faulty USB cable.

"VBR"

- The system cannot show the remaining play time for variable bit rate (VBR) tracks.

"NOT SUPPORTED"

- You have connected an unsupported USB device.

Remote control code

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

Preparation

Press [USB/CD] to select "CD".

To set the code to "REMOTE 2"

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

To set the code to "REMOTE 1"

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

System memory reset

Reset the memory when the following situations occur:

- There is no response when buttons are pressed.
 - You want to clear and reset the memory contents.
- 1 **Disconnect the AC mains lead.**
 - 2 **While you press and hold [髯/I] on the main unit, connect the AC mains lead again.**
Continue to press and hold the button until "-----" is shown.
 - 3 **Release [髯/I].**
All the settings are set back to the factory preset.
It is necessary to set the memory items again.

Maintenance

Disconnect the AC mains lead before maintenance.
Clean this system with a soft, dry cloth.

- Never use alcohol, paint thinner or benzine to clean this system.
- Before using chemically treated cloth, read the instructions that came with the cloth carefully.

Specifications

General

Power supply	
HC302	AC 220 V to 240 V, 50 Hz
HC300	AC 110 V to 240 V, 50/60 Hz
Power consumption	21 W
Power consumption in standby mode^{×1} (approximate)	
With "BLUETOOTH STANDBY" set to "OFF"	0.2 W
With "BLUETOOTH STANDBY" set to "ON"	0.3 W

Dimensions (W x H x D) 409 mm x 198 mm x 107 mm

Mass 2.5 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) 10 W per channel (8 Ω), 1 kHz, 10% THD	
Total RMS power 20 W	

HC300

PMPO output power	200 W
--------------------------	-------

Tuner, terminals section

Preset memory	FM 30 stations
Frequency modulation (FM)	
Frequency range 87.50 MHz to 108.00 MHz (50 kHz step)	
Antenna terminals 75 Ω (unbalanced)	

AUX input	
Terminal Stereo, 3.5 mm jack	

DAB section

HC302	
DAB memories	20 channels
Frequency band (wavelength)	

Band III 5A to 13F

(174.928 MHz to 239.200 MHz)

Sensitivity *BER 4x10⁻⁴

Minimum requirement -98 dBm

DAB external antenna

Terminal F - Connector (75 Ω)

Disc section

Disc played (8 cm or 12 cm)

CD, CD-R/RW (CD-DA, MP3^{×2})

Pick up

Wavelength 790 nm (CD)

USB section

USB port power	DC OUT 5 V 1.5 A
USB standard	USB 2.0 full speed
Media file format support	MP3 (*.mp3)
Audio support format	MP3 ^{×2}
Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Audio word size	16 bits
Channel count	2 ch
USB device file system	FAT12, FAT16, FAT32

Bluetooth® section

Version	Bluetooth® Ver. 2.1 + EDR
Class	Class 2
Supported profiles	A2DP, AVRCP
Frequency band	2.4 GHz band FH-SS
Operation distance	10 m line of sight
Supported codec	SBC

Speaker section

Speaker unit(s)	
Full range	8 cm cone type x 2

Note:

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

^{×1} No device is connected to the USB port before switching to standby mode.

^{×2} MPEG-1 Layer 3, MPEG-2 Layer 3

References

About Bluetooth®

Panasonic cannot be held responsible for data and/or information that is compromised during a wireless transmission.

Frequency band

- This system uses the 2.4 GHz frequency band.

Certification

- This system conforms to the 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 the 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 system 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 system may not function properly if radio waves from a nearby broadcasting station, etc. is too strong.

Intended usage

- This system 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.).

License

The Bluetooth® word mark and logos are registered trademarks 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.

Limited Warranty (For Australia only)

Panasonic Warranty

1. 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 have a manufacturing defect within one (1) year or (12 months) (the "warranty period") from the date of purchase appearing on your purchase receipt.
2. This warranty only applies to Panasonic products purchased in Australia and sold by Panasonic Australia, its Authorised Distributors, or Dealers, and only where the products are used and serviced within Australia or its territories. Warranty cover only applies to the services that are carried out by a Panasonic Authorised Service Centre and only if valid proof of purchase is presented when the warranty service is requested.
3. This warranty only applies if the product has been installed and/or 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 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), 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) Consumable parts
 - (b) Cosmetic parts
 - (c) Worn or damaged parts
 - (d) Information stored on Hard Disk Drives, Optical Discs, USB Devices, SD Cards, Tapes
 - (e) 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) 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:
 - Contact Panasonic's Customer Care Centre on 132 600 for Service Centre information.
 - Confirm the opening and acceptance times with the Authorised Service Centre that you choose.
 - Then send or take the product to a Panasonic Authorised Service Centre together with your proof of purchase receipt.
 - Any freight and insurance costs associated with the transport of the product to and/or from your nearest Authorised Service Centre must be arranged and paid for by you.
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, freighting, 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 132 600 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

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