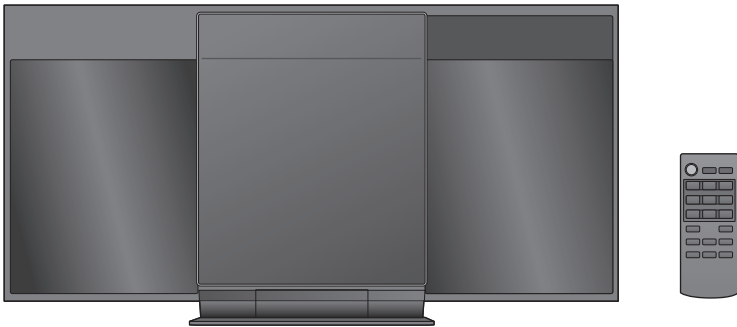


# Panasonic®

## Owner's Manual Compact Stereo System

Model No. SC-HC28

ENGLISH



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

If you have any questions, contact: 1-800-561-5505

# IMPORTANT SAFETY INSTRUCTIONS

Read these operating instructions carefully before using the unit. Follow the safety instructions on the unit and the applicable safety instructions listed below. Keep these operating instructions handy for future reference.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



## -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.

## 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 power supply cord

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

### Button-type battery (Lithium battery)

- Risk of fire, explosion and burns. Do not disassemble, heat above 60 °C (140 °F) or incinerate.



### DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD

This product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death. Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

If any electrolyte should come into contact with your hands or clothes, wash it off thoroughly with water. If any electrolyte should come into contact with your eyes, never rub the eyes. Rinse eyes thoroughly with water, and then consult a doctor.

**CAUTION**

**Unit**

- 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.
- 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.

**Button-type battery (Lithium battery)**

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

**Table of contents**

**IMPORTANT SAFETY INSTRUCTIONS** ..... 2

**Accessories** ..... 3

**Control reference guide**..... 4

**Connections** ..... 5

**Unit and media care** ..... 5

**Inserting media**..... 6

**Media playback operations** ..... 7

**Listening to the radio**..... 8

**Sound adjustment**..... 9

**Clock and Timer** ..... 9

**Others**..... 10

**Troubleshooting** ..... 10

**Specifications**..... 12

**Playable media** ..... 13

**Attaching the support pad to this unit** ..... 13

**Licenses**..... 14

**Limited Warranty** ..... 15

**About descriptions in this Owner's Manual**

- Pages to be referred to are indicated as "→ ○○"

**Accessories**

Check the supplied accessories before using this unit.

- 1 Remote control (with a battery)** (N2QAYC000077)
- 1 FM indoor antenna** (RSAX0002)
- 1 AC power supply cord** (K2CB2CB00022)
- 1 Pad sheet (→ 13)** (RFA3465)



The enclosed Canadian French label sheet corresponds to the English display on the top of the unit.



- Do not use AC power supply cord with other equipment.
- Product numbers provided in this Owner's Manual are correct as of December 2012. These may be subject to change.

**CAUTION**

**RISK OF ELECTRIC SHOCK**

**DO NOT OPEN**

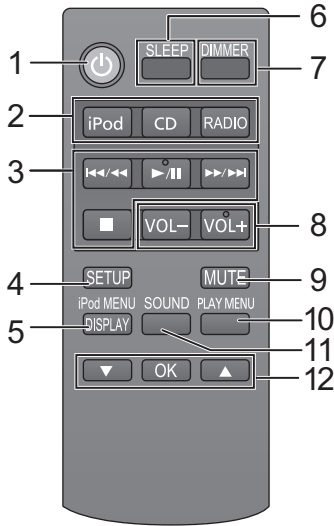
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE SCREWS. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

- The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

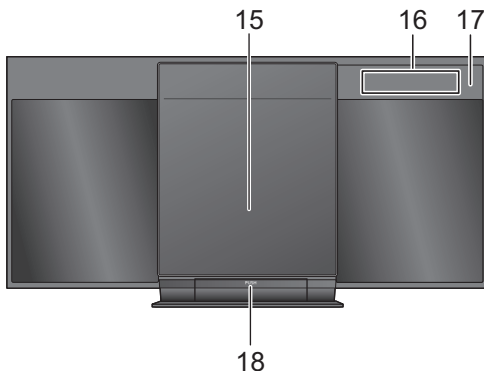
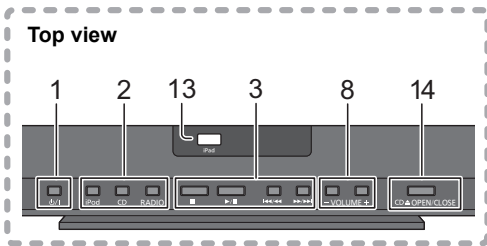
Product Identification Marking is located on the bottom of the unit.

# Control reference guide

Unless otherwise indicated, operations are described using the remote control.



- 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
- 3 Basic playback control buttons
- 4 Enter setup menu
- 5 Enter the iPod/iPhone menu /  
 Change displayed information
- 6 Set the sleep timer
- 7 Change the brightness of the display panel
- 8 Adjust the volume (0 (min) to 50 (max))
- 9 Mute the sound  
 Mutes the sound. Press again to cancel.  
 "MUTE" is also canceled when the volume is adjusted or the unit is turned off.
- 10 Enter playback menu
- 11 Enter sound menu
- 12 Selection/OK
- 13 "IPOD\_PORT" for iPod/iPhone/iPad (→ 6)
- 14 Open or close the sliding door
- 15 Sliding door
- 16 Display
- 17 Remote control signal sensor  
 Distance:  
 Within approx. 7 m (23 ft) directly in front.  
 • To avoid interference, please do not put any objects in front of signal sensor.
- 18 "IPOD\_DOCK" for iPod/iPhone/iPad mini (→ 6)



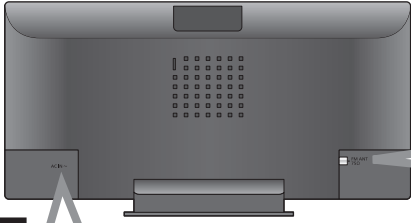
**Before using for the first time**  
 Remove the insulation sheet **A**.

**To replace a button-type battery**  
 Battery type: CR2025 (Lithium battery)

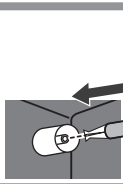
- ①
- ②

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

# Connections



**1**



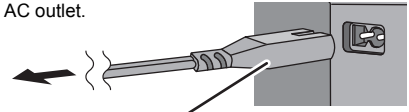
Adhesive tape (not supplied)  
FM indoor antenna (supplied)

**2**

**Connect the AC power supply cord after all other connections are completed.**

This unit consumes a small amount of AC power (→ 12) even when turned off.

- In the interest of power conservation, if you will not be using this unit for an extended period of time, unplug it from the household AC outlet.



To a household AC outlet

AC Power supply cord (supplied)



- These speakers do not have magnetic shielding. Do not place them near a television, personal computer or other devices easily influenced by magnetism.
- Tape the antenna to a wall or column in a position with the least amount of interference. (Use an FM outdoor antenna if radio reception is poor.)

## Unit and media care

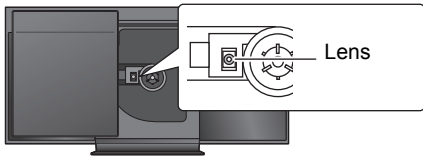
Pull out the AC power plug from the outlet before maintenance.

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

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

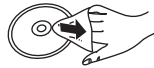
### ■ Maintenance of the lens

- Clean the lens regularly to prevent malfunctions. Use a blower to remove dust and a cotton swab if it is extremely dirty.
- You cannot use a CD type lens cleaner.
- Do not leave the sliding door open for prolonged periods of time. This will cause the lens to get dirty.
- Be careful not to touch the lens with your fingers.



### ■ Clean discs

DO



DO NOT



Wipe with a damp cloth and then wipe dry.

### ■ Disc handling precautions

- Handle discs by the edges to avoid inadvertent scratches or fingerprints on the disc.
- Do not attach labels or stickers to discs.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Do not use the following discs:
  - Discs with exposed adhesive from removed stickers or labels (rented discs etc.).
  - Discs that are badly warped or cracked.
  - Irregularly shaped discs, such as heart shapes.

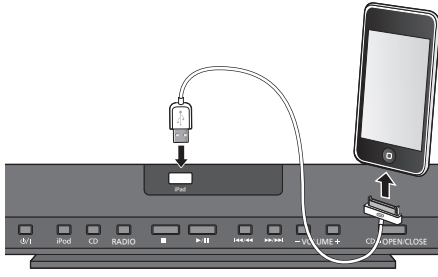
### ■ To dispose or transfer this unit

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. (→ 10, "To return all settings to the factory preset")

# Inserting media

## Select "IPOD\_PORT" as the source

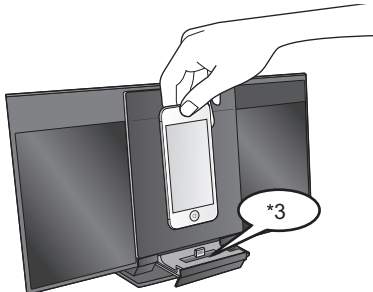
Connect using the dedicated USB cable (not supplied) \*1, 2



Attach the pad before using this unit. (→ 13)

## Select "IPOD\_DOCK" as the source

Connect using the Lightning connector \*1



\*1: Refer to "Playable media" for compatible models. (→ 13)

– Do not connect an iPad (4th generation) to the "IPOD\_DOCK" connection. This unit might fall over. Use the "IPOD\_PORT" connection.

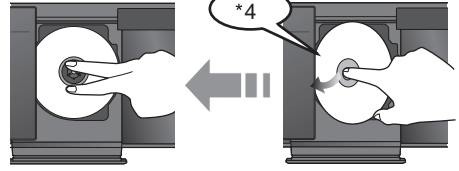
\*2: When using the "IPOD\_PORT" connection, do not connect the following models to this unit:  
– iPod classic, iPod [4th (color display), and 5th (video) generation]  
Unexpected behavior may occur.

\*3: When using the "IPOD\_DOCK" connection:

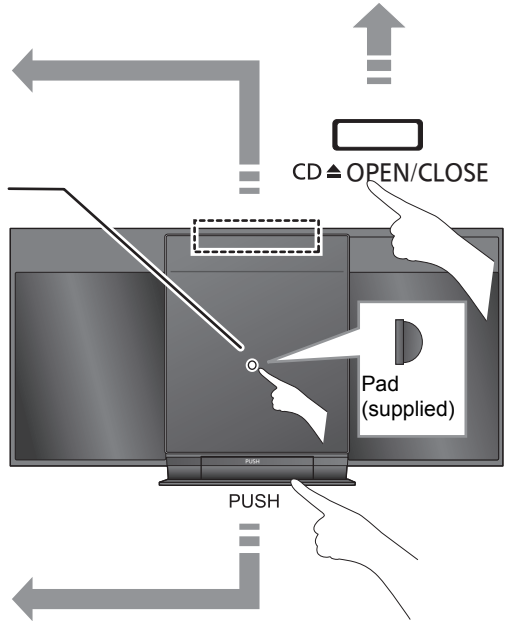
- Be sure to remove the iPod/iPhone/iPad mini from its case.
- Make sure that the iPod/iPhone/iPad mini is fully inserted.
- If the iPod/iPhone/iPad mini is pushed to the left or right, make sure to check that it is still fully inserted.
- Make sure to hold the dock when removing the iPod/iPhone/iPad mini.
- Make sure to close the dock properly after using it. If not,
  - The sliding door will not open.
  - The standby power consumption will increase.

\*4: Make sure to tilt the disc so as not to touch the sliding door.

## Select "CD" as the source



CD ▲ OPEN/CLOSE



- Do not open the sliding door manually.
- Make sure that the unit does not fall when inserting or removing media.
- When moving this unit, be sure to remove all media and turn this unit to standby mode.

## Charging an iPod/iPhone/iPad

Charging starts when an iPod\*2/iPhone/iPad is connected to this unit.

- During standby mode, charging will not start from the "IPOD\_PORT" connection, however it will start as usual from the "IPOD\_DOCK" connection.
  - To charge from the "IPOD\_PORT" connection, start the charging before turning this unit to standby mode.



- Check the iPod/iPhone/iPad to see if the battery is fully charged. (Once fully recharged, additional recharging will not occur.)
- If this unit is switched to standby mode "IPOD CHARGING" is shown on the unit's display.

# Media playback operations

The following marks indicate the availability of the feature.

**CD** : CD audio in CD-DA format

**iPod** : Compatible iPod/iPhone/iPad (→ 13)

## Preparation

- Turn the unit on.
- Insert the media. (→ 6)
- Press [CD] or [iPod] to select the audio source.

## Basic play (CD, iPod)

Play	Press [▶/  ].
Stop	Press [■].
Pause	Press [▶/  ]. Press again to restart play.
Skip	Press [◀◀/◀◀] or [▶▶/▶▶] to skip track.
Search	During play or pause Press and hold [◀◀/◀◀] or [▶▶/▶▶]. <ul style="list-style-type: none"><li>• <b>iPod</b> : Backwards search is only within the current track.</li></ul>

## CD To display information

Press [DISPLAY] repeatedly.

## iPod To navigate through the iPod/iPhone menu

- Open the Music App to use this feature with iPod touch/iPhone.
- [▲, ▼]: To navigate menu items.
- [OK]: To go to the next menu.
- [iPod MENU]: To return to the previous menu.



- The operation may vary among iPod/iPhone/iPad models.
- Depending on the model (e.g., iPod nano 7th generation, etc.) it may be necessary to select the album, artist, etc. on the iPod/iPhone/iPad.

## Playback modes (CD)

Select the playback mode.

- 1 Press [PLAY MENU] to select “PLAYMODE” or “REPEAT”.
- 2 Press [▲, ▼] to select the setting and then press [OK].

### PLAYMODE

OFF PLAYMODE	Select to cancel the play mode setting.
1-TRACK	Only plays the selected track. <ul style="list-style-type: none"><li>• “1, 2” is displayed.</li></ul> (Skip to the desired track)
RANDOM	Plays the contents randomly. <ul style="list-style-type: none"><li>• “RND” is displayed.</li></ul>

### REPEAT

ON REPEAT	Turn on repeat mode. <ul style="list-style-type: none"><li>• “🔄” is displayed.</li></ul>
OFF REPEAT	Turn off repeat mode.



- When using iPod/iPhone/iPad, use the setting on the iPod/iPhone/iPad.
- During random play, you cannot skip to the previous track.
- The mode is canceled when you open the sliding door.

# Listening to the radio

You can preset up to 30 channels.

## Preparation

- Make sure that the FM antenna is connected. (→ 5)
- Turn the unit on.
- Press [RADIO] to select "FM".



A station previously stored is overwritten when another station is stored in the same channel preset.

## Presetting stations automatically

- 1 Press [PLAY MENU] to select "A.PRESET".
- 2 Press [▲, ▼] to select "LOWEST" or "CURRENT" and then press [OK].

### LOWEST:

To begin auto preset with the lowest frequency (FM 87.9 or FM 87.5).

### CURRENT:

To begin auto preset with the current frequency.\*

\* To change the frequency, refer to "Manual tuning and presetting".

The tuner starts to preset all the stations it can receive into the channels in ascending order.

## Listening to a preset channel

### Preparation

- 1 Press [PLAY MENU] repeatedly to select "TUNEMODE".
- 2 Press [▲, ▼] to select "PRESET" and then press [OK].

Press [◀◀/◀◀] or [▶▶/▶▶] to select the channel.

## Manual tuning and presetting

Select a radio broadcast.

- 1 Press [PLAY MENU] repeatedly to select "TUNEMODE".
- 2 Press [▲, ▼] to select "MANUAL" and then press [OK].
- 3 Press [◀◀/◀◀] or [▶▶/▶▶] to tune to the required station.
  - To start automatic tuning, press and hold [◀◀/◀◀], [▶▶/▶▶] until the frequency starts scrolling. Tuning stops when a station is found.

To preset the channel

- 4 While listening to the radio broadcast Press [OK].
- 5 Press [▲, ▼] to select the channel and then press [OK].

## To improve FM sound quality

- 1 While receiving FM broadcasts, press [PLAY MENU] repeatedly to select "FM MODE".
  - 2 Press [▲, ▼] to select "MONO" and then press [OK].
- This setting can be preset and memorized. To do so, continue to step 4 of "Manual tuning and presetting".



- Select "STEREO" in step 2 to return to stereo broadcasts.
- "MONO" is canceled if the frequency is changed.
- If "MONO" is selected, regardless of the type of signal this unit is receiving, "FM MONO" is displayed when [DISPLAY] is pressed. (→ below)

## To display the current signal status

Press [DISPLAY].

"FM ST": The FM signal is in stereo.

"FM": The FM signal is in monaural.

- "FM" is also displayed even if this unit is not tuned to a station.



- "STEREO" is displayed when this unit tunes to a stereo broadcast.



# Sound adjustment

The following sound effects can be added to the audio output.

- 1 Press [SOUND] repeatedly to select the effect.
- 2 Press [▲, ▼] to select the setting and then press [OK].

Preset EQ (PRESET EQ)	“HEAVY” (heavy), “SOFT” (soft), “CLEAR” (clear), “VOCAL” (vocal) or “FLAT” (flat/off). <ul style="list-style-type: none"><li>• The factory preset is “HEAVY”.</li></ul>
Bass (BASS) or Treble (TREBLE)	Adjust the level (–4 to +4).
Dynamic Bass (D.BASS)	“ON D.BASS” or “OFF D.BASS”. <ul style="list-style-type: none"><li>• The factory preset is “ON D.BASS”.</li></ul>
Surround (SURROUND)	“ON SURROUND” or “OFF SURROUND”. <ul style="list-style-type: none"><li>• The factory preset is “OFF SURROUND”.</li></ul>

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

# Clock and Timer

## Setting the clock

This is a 12-hour clock.

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



- To display the clock, press [SETUP] to select “CLOCK” and then press [OK] once. The time is displayed for 10 seconds.  
(During standby, press [DISPLAY] once.)
- The clock is reset when there is a power failure or when the AC power supply cord is removed.
- Reset the clock regularly to maintain accuracy.

## Play timer

You can set the timer so this unit turns on at a certain time every day.

### Preparation

Set the clock (→ left).

### Setting the timer

- 1 Press [SETUP] repeatedly to select “TIMER ADJ”.
- 2 Press [▲, ▼] to set the starting time (“ON TIME”) and then press [OK].
- 3 Press [▲, ▼] to set the finishing time (“OFF TIME”) and then press [OK].

### Turn the timer on

- 1 Select the music source\*1 and set the desired volume.
- 2 Press [SETUP] repeatedly to select “TIMER SET”.
- 3 Press [▲, ▼] to select “SET” and then press [OK].
  - “⊕” is displayed.
  - To turn the timer off, select “OFF”.
- 4 Press [⏻] to turn the unit off.



- To display the timer settings, press [SETUP] repeatedly to select “TIMER ADJ” and then press [OK] once. The music source and volume will also be displayed if the timer is turned on.
- During standby, if the timer is turned on, press [DISPLAY] twice to display the settings.
- This unit can be used as normal after the timer is set, however:
  - Turn the unit to standby mode before the timer start time.
  - Even if the audio source or the volume is changed, the timer will still use the audio source and volume that was set when the timer was turned on.

## Sleep timer

The sleep timer can turn the unit off after a set time.

Press [SLEEP] repeatedly to select the time.

“SLEEP 30” → “SLEEP 60” → “SLEEP 90” → “SLEEP 120”  
↑ OFF (Cancel) ←

- The remaining time is indicated on the unit's display except when other operations are performed.
- The play timer and sleep timer can be used together. The sleep timer always has priority.

\*1: “CD”, “IPOD\_DOCK”, “IPOD\_PORT” and “FM” can be set as the music source.

# Others

## Automatic standby

As a factory preset, this unit will always turn off automatically if there is no sound output and no operation for approx. 30 minutes.

### To cancel this function

- 1 Press [SETUP] repeatedly to select "AUTO OFF".
- 2 Press [▲, ▼] to select "OFF" and then press [OK].



- To turn automatic standby on, select "ON" in step 2.
- This setting cannot be selected when "FM" is the source.

## Display brightness

The brightness of this unit's display can be changed.

Press [DIMMER].

## Changing the unit and remote control code

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

- 1 Press [CD] to select "CD".
- 2 Press and hold [CD] on the unit and [CD] on the remote control until the unit's display shows "REMOTE 2".
- 3 Press and hold [OK] and [CD] on the remote control for at least 4 seconds.



- To change the mode back to "REMOTE 1", repeat the steps above but replace the button pressed on the remote control from [CD] to [RADIO].

# 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 "Limited Warranty" on page 15.

## 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 power supply cord. (Wait for at least 3 minutes before proceeding to step ②.)
- ② While pressing and holding down [⏻/|] on the unit, reconnect the AC power supply cord.
  - "-----" appears on the display.
- ③ Release [⏻/|].



All the settings are returned to the factory preset. You will need to reset the memory items.

## 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.

## Disc operations

### Incorrect display or play will not start.

- Make sure that the disc is compatible with this unit. (→ 13)
- There is moisture on the lens. Wait for about an hour and then try again.

## Radio

### A beat sound or noise is heard while receiving radio broadcast.

- Confirm the FM antenna is properly connected. (→ 5)
- Adjust the position of the antenna.
- Try to keep a certain amount of distance between the antenna and AC power supply cord.
- Try using an outdoor antenna if there are buildings or mountains nearby.
- Switch the television or other audio players off or separate it from this unit.
- Keep this unit away from mobile phones if the interference is apparent.

**Stations cannot be selected.**

Change the FM frequency step.

- ① Press [RADIO] to select "FM".
- ② Press and hold [RADIO] on the unit.

After a few seconds the display changes to show the current lowest frequency. Continue to hold the button down. The lowest frequency changes and the step is changed.

**iPod/iPhone/iPad operations****Cannot charge or operate.**

- Have you selected the appropriate selector? Press [iPod] to select either "IPOD\_DOCK" or "IPOD\_PORT".
- Check that the iPod/iPhone/iPad is connected properly. (→ 6)
- The battery of the iPod/iPhone/iPad is depleted. Charge the iPod/iPhone/iPad, and then operate again.
- Connect the iPod/iPhone/iPad again or try to restart the iPod/iPhone/iPad.
- When this unit is in standby mode, charging will not start when using the "IPOD\_PORT" connection. Turn this unit on and make sure the charging has started before switching this unit to standby mode.

**Remote control****The remote control doesn't work properly.**

- The remote control and this unit are using a different code. (→ right, "REMOTE □")
- Is the battery depleted or is the battery inserted incorrectly? (→ 4)

**Messages****The following messages or service numbers may appear on the unit's display.**

"--:--"

- You plugged the AC power supply cord in for the first time or there was a power failure recently. Set the time (→ 9).

**"ADJUST CLOCK"**

- Clock is not set. Adjust the clock accordingly.

**"ADJUST TIMER"**

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

**"AUTO OFF"**

- The unit has been left unused for about 30 minutes and will shut down within a minute. Press any button to cancel it.

**"CHECKING CONNECTION"**

- The unit is checking the connected iPod/iPhone/iPad.
- If this display keeps appearing, make sure that the battery of the iPod/iPhone/iPad is not depleted and that the iPod/iPhone/iPad is turned on and connected correctly (→ 6).

**"DIMMER"**

- Appears 10 seconds after the volume is turned to "0".

**"DOCK OPEN"**

- Is the dock open? Close the dock completely to open the sliding door.

**"ERROR"**

- Incorrect operation is performed. Read the instructions and try again.

**"F □□" ("□" stands for a number.)**

- There is a problem with this unit. Note down the displayed number, disconnect the AC power supply cord and consult your dealer.

**"ILLEGAL OPEN"**

- Sliding door is not in correct position. Turn the unit off and on again. If this display appears again, consult the dealer.

**"IPOD\_DOCK OVER CURRENT ERROR"****"IPOD\_PORT OVER CURRENT ERROR"**

- The iPod/iPhone/iPad is drawing too much power. Disconnect the iPod/iPhone/iPad and turn the unit off and on again.

**"NODEVICE"**

- The iPod/iPhone/iPad device is not inserted correctly. Read the instructions and try again (→ 6).
- The battery of the iPod/iPhone/iPad is depleted. Charge the iPod/iPhone/iPad and turn it on before connecting.

**"NO DISC"**

- Insert a disc to be played (→ 6).

**"NO PLAY"**

- A CD that is not in CD-DA format is inserted. It cannot be played.

**"NOT SUPPORTED"**

- You have connected an iPod/iPhone/iPad that cannot be played (→ 13).
- If the iPod/iPhone/iPad is compatible, turn it on and connect it correctly.

**"READING"**

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

**"REMOTE □" ("□" stands for a number.)**

- The remote control and this unit are using different codes. Change the code on the remote control.
  - When "REMOTE 1" is displayed, press and hold [OK] and [RADIO] for more than 4 seconds.
  - When "REMOTE 2" is displayed, press and hold [OK] and [CD] for more than 4 seconds.

# Specifications

## ■ GENERAL

Power consumption	40 W
Power consumption in standby mode*1	Approx. 0.1 W
Power consumption in standby mode (With the iPod dock open)	Approx. 0.3 W
Power supply	AC 120 V, 60 Hz

## Dimensions (W×H×D)

400 mm×213 mm×110 mm  
(15 3/4"×8 3/8"×4 11/32")  
(Min. Depth: 72 mm (2 27/32"))  
(Depth when tray open: 134 mm (5 9/32"))

## Mass (Weight)

Approx. 2 kg (4.4 lbs)

## Operating temperature range

0 °C to +40 °C (+32 °F to +104 °F)

## Operating humidity range

35 % 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

## ■ TUNER SECTION

Preset Memory FM 30 stations

### Frequency Modulation (FM)

#### Frequency range

87.9 MHz to 107.9 MHz (200 kHz step)  
87.5 MHz to 108.0 MHz (100 kHz step)

#### Antenna terminals

75 Ω (unbalanced)

## ■ DISC SECTION

Disc played [8 cm (3") or 12 cm (5")]

CD, CD-R/RW (CD-DA)

### Pick up

Wavelength 790 nm (CD)

### Audio output (Disc)

Number of channels 2 ch (FL, FR)

## ■ SPEAKER SYSTEM SECTION

### Type

1 way, 1 speaker system (Bass reflex)

### Speaker unit(s)

#### Full range

8 cm (3 1/8") Cone type×1 per channel

### Impedance

6 Ω

## ■ TERMINAL SECTION

### "IPOD\_DOCK" connection

DC OUT 5 V, 2.1 A MAX

### "IPOD\_PORT" connection

DC OUT 5 V, 2.1 A MAX



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

\*1: When the iPod/iPhone/iPad is not charging and the dock is closed.

# Playable media

## Compatible iPod/iPhone/iPad

Compatible with "IPOD\_DOCK" connection  
(Using Lightning connector)

iPod touch (5th generation)

iPod nano (7th generation)

iPhone 5

iPad mini

Compatible with "IPOD\_PORT" connection  
[Using dedicated USB cable (not supplied)]

iPod touch

1st, 2nd, 3rd, 4th, and 5th generation

iPod nano

2nd, 3rd, 4th, 5th, 6th, and 7th generation

iPhone 5 / iPhone 4S / iPhone 4 /  
iPhone 3GS / iPhone 3G / iPhone

iPad (3rd, and 4th generation) / iPad 2 / iPad

iPad mini

(as of December 2012)



- Compatibility depends on the software version. Update your iPod/iPhone/iPad to the latest software before using it with this unit.
- Please be aware that Panasonic accepts no responsibility for the loss of data and/or information.

## Compatible CD

- A disc with the CD Logo.



- This unit can play back discs that conform to the CD-DA format.
- The unit may not be able to play some discs due to the condition of the recording.
- This unit cannot play back MP3 files.

## Note about using a DualDisc

- The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so play may not be possible.
- Do not use a DualDisc in this unit as it may not be possible to insert it correctly and it may get scratched or scraped.

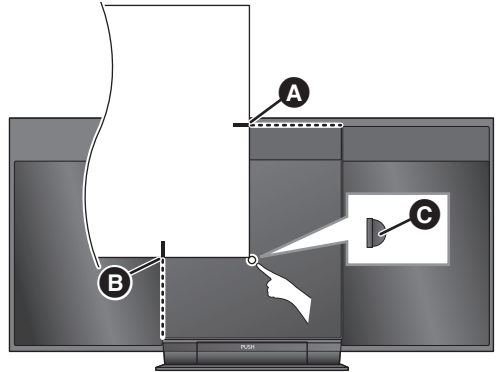
# Attaching the support pad to this unit

Attach the supplied support pad to prevent damage or scratches to this unit's sliding door or the device connected to the "IPOD\_DOCK".

Attach the support pad before using this unit.

- The location is the same for either iPod touch, iPod nano, iPhone or iPad mini.

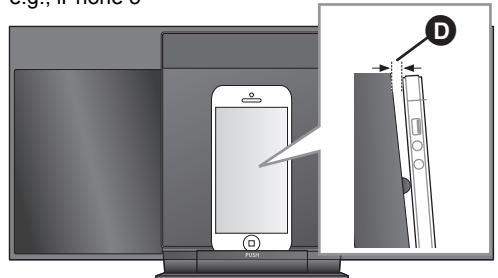
- 1 Align this page to the sliding door and locate the position to attach the pad.



- A** Align with the top of the sliding door.
- B** Align with the side of the sliding door.
- C** Pad (supplied)

- 2 Attach the pad near the corner of this page.

e.g., iPhone 5



- D** There will be a gap between this unit's sliding door and the connected device.



- 2 pads are supplied with this unit. Keep the other pad in a secure place for future use.

# Licenses

Made for



iPod



iPhone



iPad

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

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, iPhone, or iPad may affect wireless performance.

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

# Limited Warranty

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.

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

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](http://www.panasonic.ca)

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

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-HC28  
SERIAL NUMBER \_\_\_\_\_

#### User memo:

DATE OF PURCHASE \_\_\_\_\_  
DEALER NAME \_\_\_\_\_  
DEALER ADDRESS \_\_\_\_\_  
TELEPHONE NUMBER \_\_\_\_\_



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

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**Panasonic Canada Inc.**  
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