

Panasonic®

Owner's Manual Home Theater Audio System

Model No. SC-HTB70
SC-HTB65



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:
U.S.A. and Puerto Rico: 1-800-211-PANA (7262)
Canada: 1-800-561-5505

Register online at www.panasonic.com/register (U.S. customers only)

Included Installation Instructions

The installation work should be done by a qualified installation specialist. (⇒ 9 to 14)
Before commencing work, carefully read these installation instructions and the operating instructions
to ensure that installation is performed correctly.
(Please keep these instructions. You may need them when maintaining or moving this unit.)

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.



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.

<For USA-California only>

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material — special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate.

CAUTION

Unit

- Do not place sources of naked flames, such as lighted candles, on this unit.

Placement

- To reduce the risk of fire, electric shock or product damage,
 - Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure this unit is well ventilated.
 - Do not obstruct this unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.

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 the battery if you do not intend to use the remote control for a long period of time. Store in a cool, dark place.
 - Do not heat or expose to flame.
 - Do not leave the battery(ies) in a car exposed to direct sunlight for a long period of time with doors and windows closed.
 - 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.

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



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.

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

FCC Note:

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

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

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

Responsible Party:

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

Support Contact:

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

THE FOLLOWING APPLIES ONLY IN CANADA.

This device complies with RSS-GEN, RSS-210 of the IC Rules. Operation is subject to the following two conditions:

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

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

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

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

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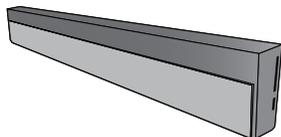
- The illustrations shown may differ from your unit.
- This Owner's Manual is applicable to models SC-HTB70 and SC-HTB65.
Unless otherwise indicated, illustrations in this Owner's Manual are of the model SC-HTB70.
- Operations in this Owner's Manual are described mainly with the remote control, but you can perform the operations on the main unit if the controls are the same.

Supplied items

This system

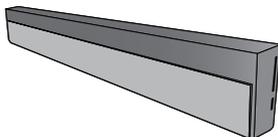
HTB70

- Main unit (Speaker)**
(SC-HTB70)



HTB65

- Main unit (Speaker)**
(SC-HTB65)



Accessories

Check the supplied accessories before using this system.

HTB70 HTB65

- 1 Remote control
(with a battery)**
(N2QAYC000083)



- 1 AC power supply cord**
(K2CB2CB00022)



- 2 Safety holders**
(RXA0260)



- 2 Screws**
(Without washer×2:
XSN4+8FJK)



- 2 Wall mount brackets**
(RMQX1082-K)



(ONLY FOR CANADA)
The enclosed Canadian French label sheet corresponds to the English display on the remote control and the side and rear of the main unit.

HTB70

- 1 IR Blaster**
(K2ZZ02C00007)



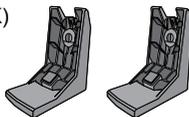
- 2 Basic stands**
(RYQ1165-K)



- 2 30° stands**
(RYQ1166-K)



- 2 80° stands**
(RYQ1167-K)



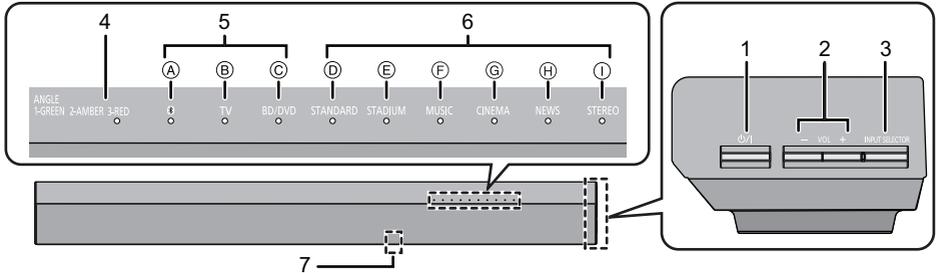
- 2 Screws**
(With washer×2: XYN5+J14FJK)



- Product numbers are correct as of December 2012. These may be subject to change.
For U.S.A. and Puerto Rico:
To order accessories, refer to "Accessory Purchases (United States and Puerto Rico)" on page 26.
For Canada: To order accessories, call the dealer from whom you have made your purchase.
- The supplied AC power supply cord is for use with this system only.
Do not use it with other equipment. Also, do not use cords from other equipment with this system.

Control reference guide

This system (Front)



1 Standby/on switch (⏻/⏻)

Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

2 Adjust the volume of this system

3 Select the input source “TV” → “BD/DVD”



4 Speaker angle indicator (⇔ 8)

Angle 1: 0° tilt

Speaker angle indicator lights green

HTB70 Angle 2: Tilted at 30°

Speaker angle indicator lights amber

HTB70 Angle 3: Tilted at 80°/90°

HTB65 Angle 2: Tilted at 90°

Speaker angle indicator lights red

5 Input selector indicators*1

Ⓐ Bluetooth® indicator

Lights blue when the Bluetooth® device is the audio source

Ⓑ TV indicator

Lights green when the TV is the audio source

Ⓒ BD/DVD indicator

Lights amber when the device connected to the BD/DVD terminal is the audio source

6 Sound mode indicators*1

Ⓓ STANDARD indicator

Lights when STANDARD is the current sound mode

Ⓔ STADIUM indicator*2

Lights when STADIUM is the current sound mode

Ⓕ MUSIC indicator*2

Lights when MUSIC is the current sound mode

Ⓖ CINEMA indicator

Lights when CINEMA is the current sound mode

Ⓗ NEWS indicator

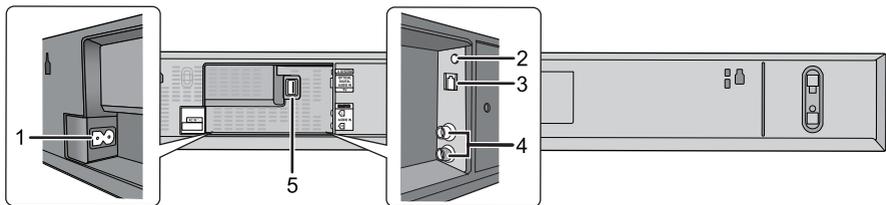
Lights when NEWS is the current sound mode

Ⓛ STEREO indicator

Lights when STEREO is the current sound mode

7 Remote control signal sensor (⇔ 7)

This system (Rear)



1 AC IN terminal (⇔ 17)

2 **HTB70** Ir SYSTEM terminal

3 OPTICAL DIGITAL AUDIO IN (TV) terminal (⇔ 15)

4 BD/DVD terminal (⇔ 15)

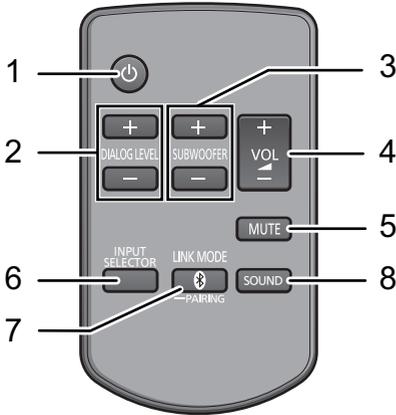
5 USB port (for service use only)

*1 The indicators will also blink in various conditions. (⇔ 24)

*2 The indicator blinks for 5 sec when the main unit detects an audio format.

To manually verify the current audio format and the corresponding indicators, refer to page 20 (Audio format indicator).

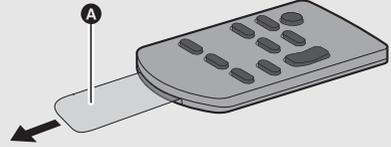
Remote control



- 1 Turn the main unit on or off (⇒ 18)
- 2 Adjust the dialog effect level (⇒ 18)
- 3 Adjust the output level of the subwoofer (bass sound) (⇒ 18)
- 4 Adjust the volume of this system (⇒ 18)
- 5 Mute the sound (⇒ 18)
- 6 Select the input source (⇒ 18)
 “TV” → “BD/DVD”
 ↖ “Bluetooth” ↗
- 7 Select the Bluetooth® device as the source (⇒ 18)
- 8 Select the sound mode (⇒ 19)
 “STANDARD” → “STADIUM” → “MUSIC”
 ↖ “STEREO” ← “NEWS” ← “CINEMA” ↗

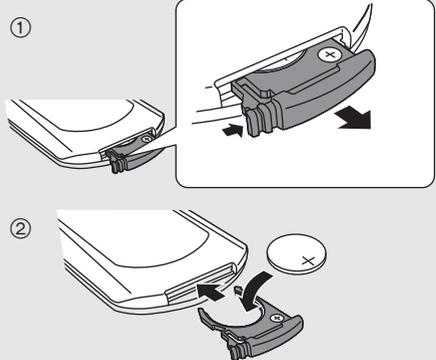
■ Before using for the first time

Remove the insulation sheet **A**.



■ To replace a button-type battery

Battery type: CR2025 (Lithium battery)

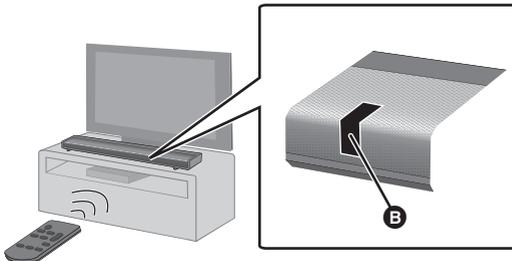


- Set the button-type battery with its (+) mark facing upward.
- Keep the button-type battery out of reach of children to prevent swallowing.

■ Remote control operation range

The remote control signal sensor is located on the main unit.

- Use the remote control within the correct operation range.



- B** Remote control signal sensor

● Operation range

Distance: Within approx. 7 m
(23 ft) directly in front

Angle: Approx. 30° left and right

Step 1 Selecting the placement method

- Choose a placement method that suits you best.

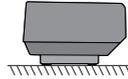
The main unit

When placing the main unit in a rack or on a table



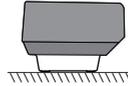
Angle 1: 0° tilt

- Speaker angle indicator lights green.



HTB70

- A** Raised by using the basic stands



Page 10

HTB70 Angle 2: Tilted at 30°

- Speaker angle indicator lights amber.

- B** Tilted by using 30° stands

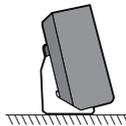


Page 10

HTB70 Angle 3: Tilted at 80°

- Speaker angle indicator lights red.

- C** Tilted by using 80° stands



Page 10

When attaching the main unit to a wall

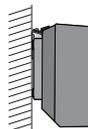


HTB70 Angle 3:

HTB65 Angle 2:

Tilted at 90°

- Speaker angle indicator lights red.



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Safety Precautions

Professional installation is required.

The installation should never be done by any other than a qualified installation specialist. PANASONIC DISCLAIMS ANY PROPERTY DAMAGE AND/OR SERIOUS INJURY, INCLUDING DEATH RESULTING FROM IMPROPER INSTALLATION OR INCORRECT HANDLING.

- Be sure to install the main unit as indicated within this Owner's Manual.
- Attach using techniques suited to the structure and materials of the installation location.



Caution

- This system is to be used only as indicated in these instructions. Failure to do so may lead to damage to the amplifier and/or the speaker, and may result in the risk of fire. Consult a qualified service person if damage has occurred or if you experience a sudden change in performance.
- Do not attempt to attach the main unit to a wall using methods other than those described in this manual.



- Keep the safety holders, screws and wall mount brackets out of reach of children to prevent swallowing.
- The safety holder is to minimize the possibility of damage and harm, but it does not completely guarantee this effect.
- Do not hold the main unit in one hand to avoid injury, you may drop the main unit when carrying it.
- To prevent damage or scratches, lay down a soft cloth and perform the assembly on it.

■ When placing the main unit in front of the TV

The main unit may block or interfere with the TV's various sensors (C.A.T.S. (Contrast Automatic Tracking System) sensor, remote control sensor, etc.) and the 3D Eyewear transmitters on a 3D compatible TV.

- If interference occurs, use a lower angle stand or place the main unit without a stand or move the main unit further away from the TV. If the TV still does not function correctly, try using it in a rack or in the wall mount position.

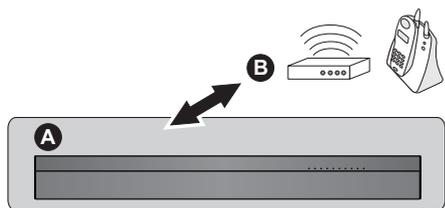
■ If the TV's remote control sensor is blocked by the main unit

Try using the TV's remote control from a different angle. If the problem persists, you can use the supplied IR Blaster to relay the signal to the TV. (⇒ 16)

- Do not use the IR Blaster if the TV's remote control sensor is not blocked by the main unit.

Wireless interference

To avoid interference, maintain the following distances between the main unit and other electronic devices that use the same radio frequency (2.4 GHz band).



- A** The main unit
- B** Wireless router, cordless phone and other electronic devices:
Approx. 2 m (6 1/2 ft)



- Do not use the main unit in a metal cabinet.
- If irregular coloring occurs on your TV, turn the TV off for about 30 minutes. If it persists, move the main unit further away from the TV.
- Keep magnetized items away. Magnetized cards, watches, etc., can be damaged if placed too close to the main unit.

Step 2 Placement



When placing the main unit in a rack or on a table

- Place the main unit on a flat and horizontal surface.

Supplied accessories

HTB70

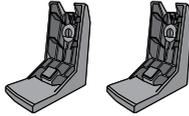
2 Basic stands



2 30° stands



2 80° stands



2 Screws with washer



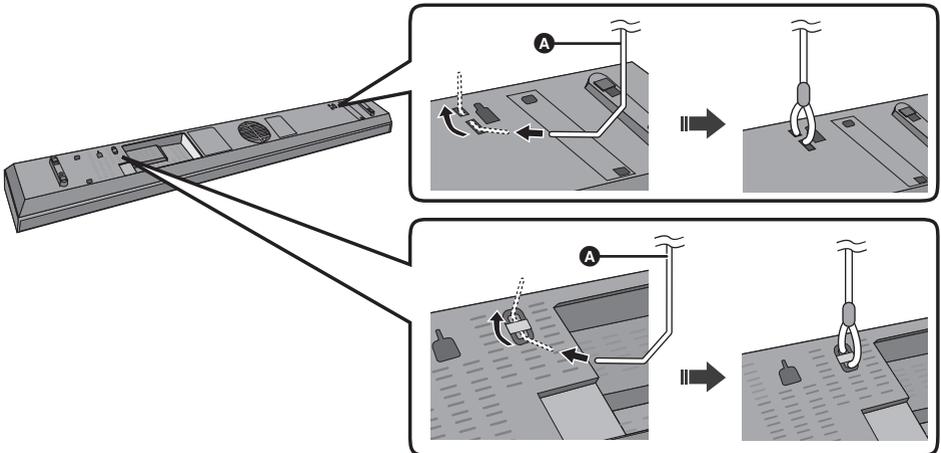
Additionally required accessories (commercially available)

- Fall prevention cord × 2
- Screw eyes (to attach the fall prevention cord) × 2



- Use commercially available screws that are capable of supporting over 33 kg (72.8 lbs).
- Use a cord that is capable of supporting over 33 kg (72.8 lbs) (with a diameter of about 1.5 mm (1/16")).

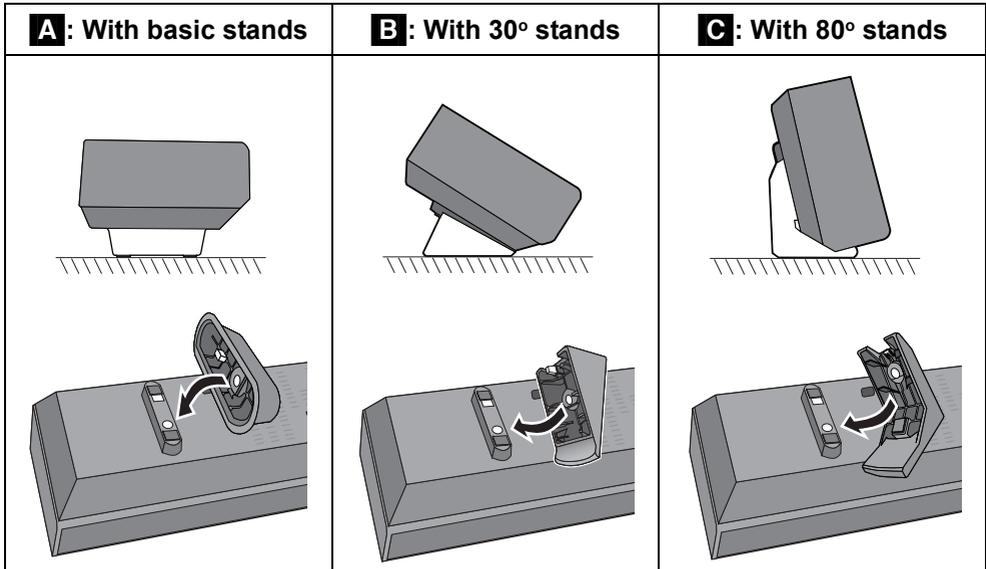
1 Attach the cord to the main unit.



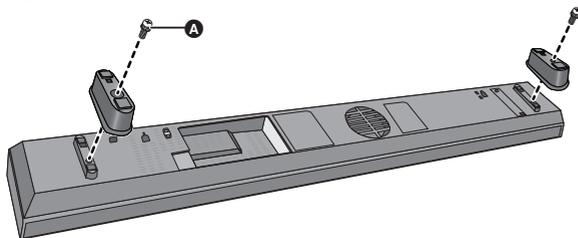
A Cord*

- ※ If the cord cannot be threaded through the holes, try bending the cord in 2 locations, about 5 mm (3/16") apart from the tip, at an angle of 45° (as illustrated above).

2 Attach the stands if necessary. If not, proceed to step 3.



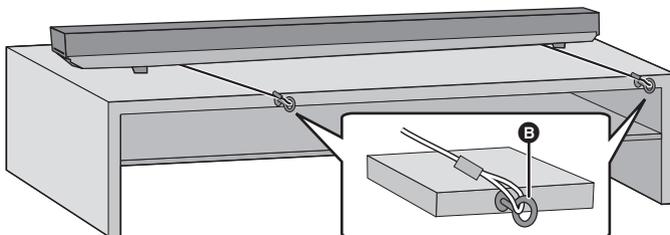
e.g., With basic stands



- A** Screw (supplied)
- Tighten securely.

3 Place the main unit in the desired position and attach each cord onto the rack or table.

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



- B** Screw eye
- Attach at a position capable of supporting over 33 kg (72.8 lbs).
 - Depending on the placement of the main unit, the screwing position of the screw eye may differ.



When attaching the main unit to a wall

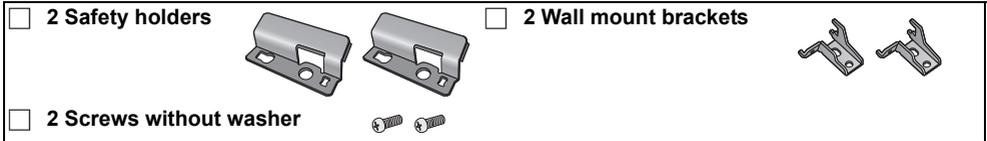
- Place the main unit on a flat and vertical surface.

This unit can be wall mounted using the supplied wall mount brackets, etc. Make sure that the screw used and the wall are strong enough to support the weight of at least 33 kg (72.8 lbs).

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

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

Supplied accessories



Additionally required accessories (commercially available)

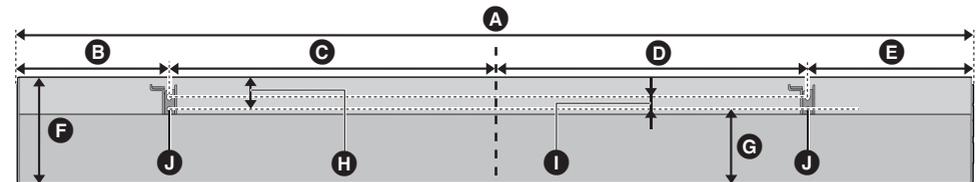
- | | |
|--|----|
| • Screws for wall mounting | ×4 |
| • Fall prevention cord | ×2 |
| • Screw eyes (to attach the fall prevention cord)..... | ×2 |



Use a cord that is capable of supporting over 33 kg (72.8 lbs) (with a diameter of about 1.5 mm ($1/16''$)).

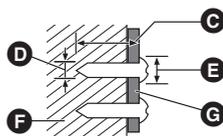
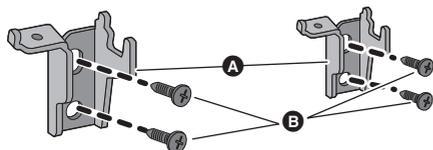
1 Locate the screwing positions on the wall.

- Use the measurements indicated below to identify the screwing positions on the wall.
- Leave at least 100 mm ($3\ 15/16''$) of space above of the main unit to allow enough space for fitting the main unit.
- Position the main unit with at least 50 mm ($2''$) of free space to its right. If not, it may not be possible to access the buttons.
- Be sure to use a level to ensure that both screwing positions are horizontal to each other.



- | | | | |
|----------------------------------|--|-----------------------------------|----------------------------------|
| A 950 mm ($37\ 6/16''$) | B 153 mm ($6\ 1/32''$) | C 322 mm ($12\ 11/16''$) | D 310 mm ($12\ 7/32''$) |
| E 165 mm ($6\ 8/16''$) | F 105 mm ($4\ 2/16''$) | G 74 mm ($2\ 15/16''$) | H 31 mm ($1\ 7/32''$) |
| I 12.5 mm ($31/64''$) | J Wall mount bracket (supplied) | | |

2 Attach the wall mount brackets to the wall.



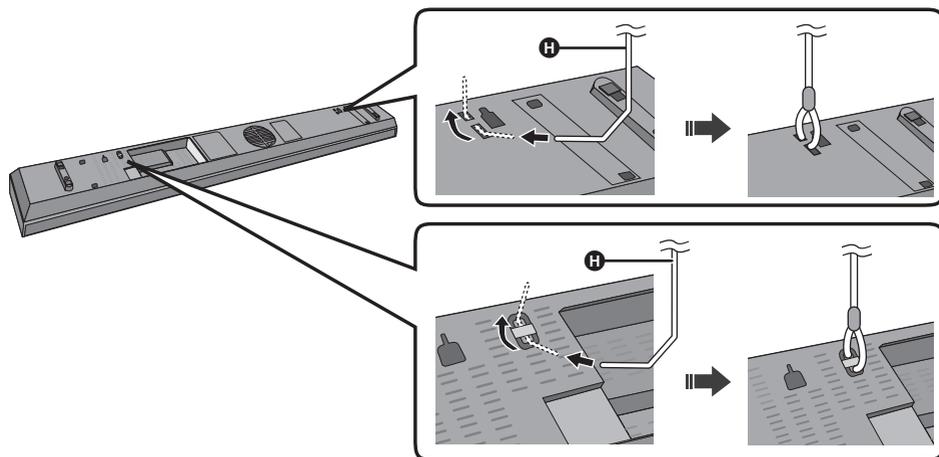
- A** Wall mount bracket (supplied)
- B** Screws

- C** At least 30 mm (1 3/16")
- D** $\varnothing 4.0$ mm ($5/32$ ")
- E** $\varnothing 7.5$ mm to $\varnothing 9.4$ mm ($19/64$ " to $3/8$ ")
- F** Wall
- G** Wall mount bracket (supplied)

3 Complete all the necessary connections to the main unit. (⇒ 15 to 17)

- Connect the AC power supply cord to the main unit, but do not connect it to the household AC outlet until the installation is completed.

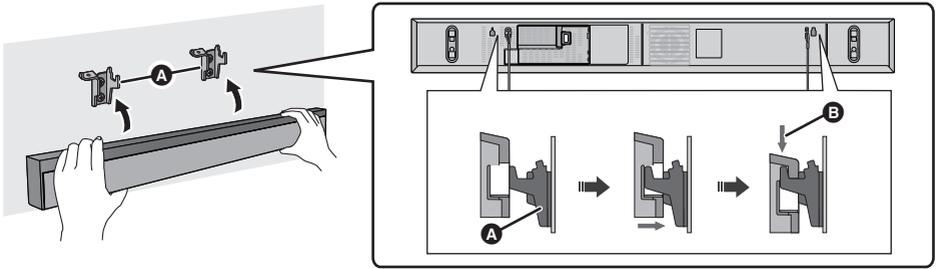
4 Attach the cord to the main unit.



- H** Cord*

※ If the cord cannot be threaded through the holes, try bending the cord in 2 locations, about 5 mm ($3/16$ ") apart from the tip, at an angle of 45° (as illustrated above).

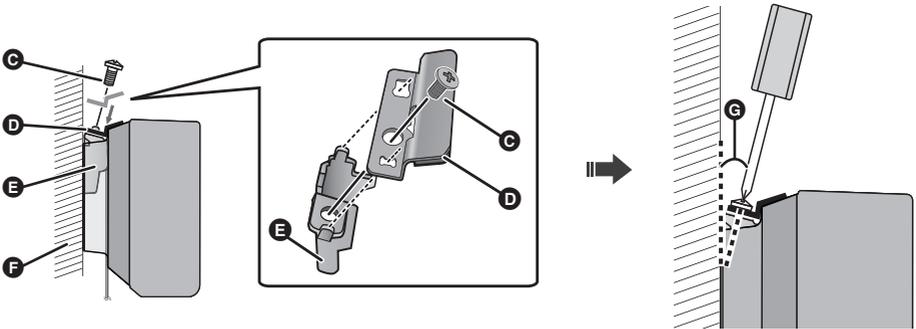
5 Attach the main unit to the wall mount brackets.



- A** Wall mount bracket (supplied)
- B** Gently move the main unit down onto the wall mount bracket.

6 Screw the safety holder onto the wall mount brackets.

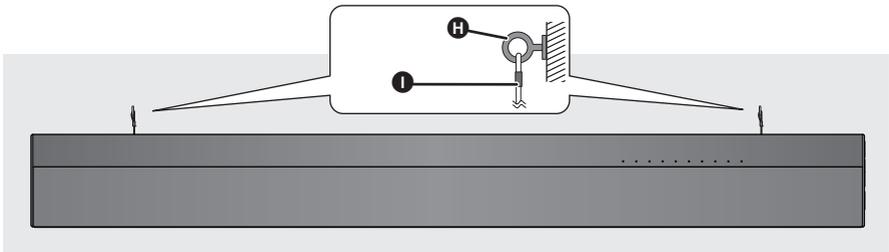
- Screw tightening torque: 80 N•cm (0.6 lbf•ft) to 120 N•cm (0.9 lbf•ft).
- The safety holders are designed to prevent the main unit from falling off the wall mount bracket.



- C** Screw without washer (supplied)
- D** Safety holder (supplied)
- E** Wall mount bracket (supplied)
- F** Wall
- G** About 15°
 - Tilt about 15° from the wall and tighten the screw.

7 Secure the cord to the wall.

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

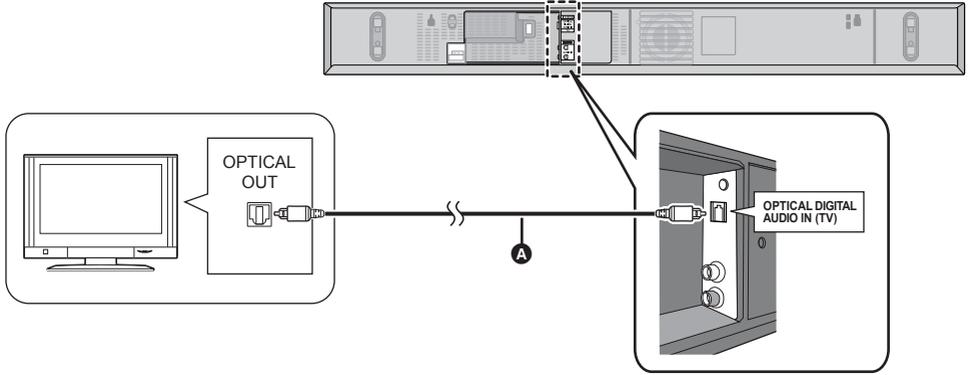


- H** Screw eye
- L** Cord

Step 3 Connections

• Turn off all equipment before connection and read the appropriate operating instructions.
Do not connect the AC power supply cord until all other connections are completed.

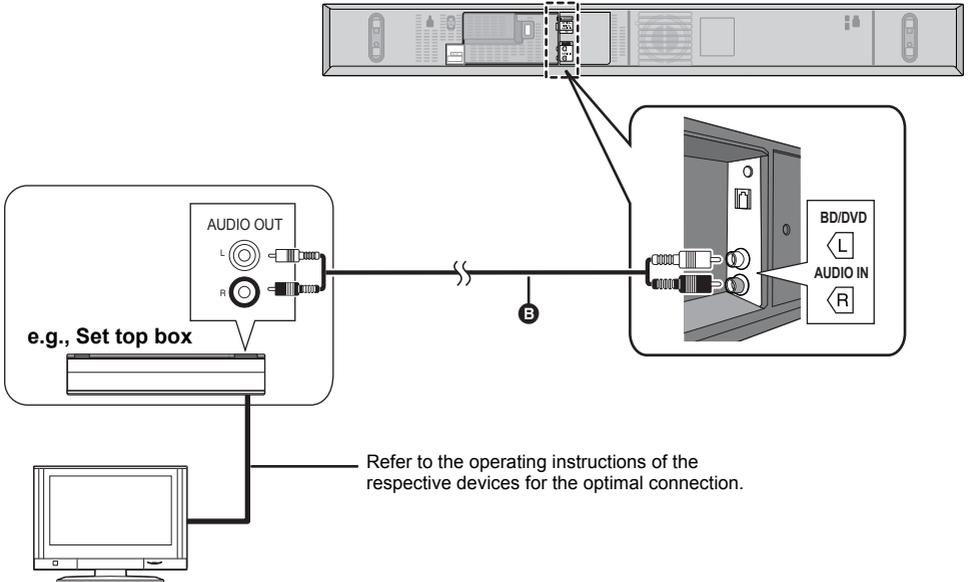
Connection with the TV



A Optical digital audio cable

- When you use the optical digital audio cable, insert the tip correctly into the terminal.

Connection with other device



B Audio cable

Refer to the operating instructions of the respective devices for the optimal connection.

Precautions

Getting started

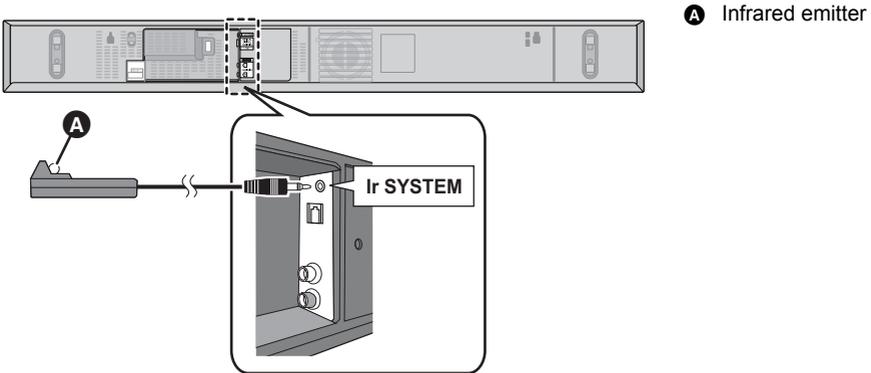
HTB70 Using the IR Blaster

With the IR Blaster connection, it is possible to send the IR signal received by this system's remote control signal sensor to the TV's sensor.

Use the TV's remote control within the operation range of this system's remote control signal sensor.

- For the operation range, refer to page 7.

1 Connect the jack plug to the main unit's Ir SYSTEM terminal.



2 Place the infrared emitter in sight of the TV's remote control signal sensor.

- For the location of the TV's remote control signal sensor, refer to the operating instructions for the TV.

3 Aim the TV's remote control at this system's remote control sensor and operate the TV.

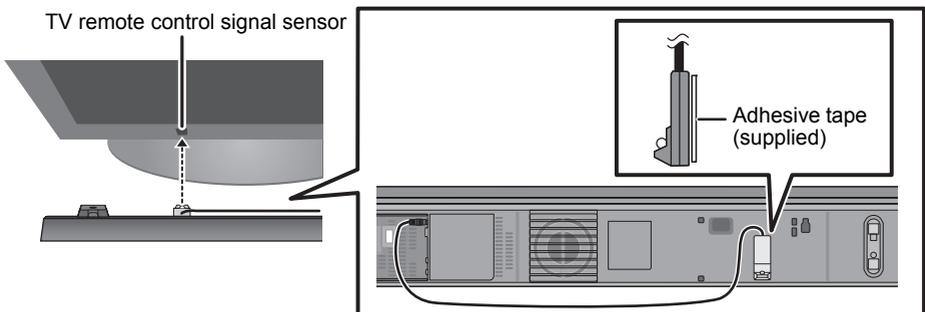
- For the location of this system's remote control signal sensor, refer to page 6.
- Make sure to clean the surface, where the adhesive tape is to be attached.
- If you peel off the adhesive tape, the surface may become damaged and exposed adhesive may remain. Once you have confirmed the TV is operating correctly, secure it by attaching the adhesive tape.



- The supplied IR Blaster is only compatible with Panasonic TVs.
- Keep the adhesive tape out of reach of children to prevent swallowing.

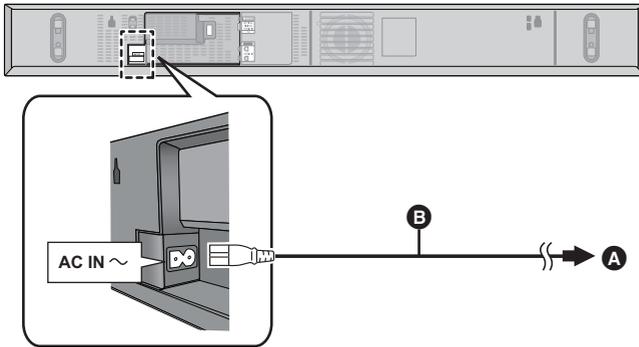
■ Placement example

On the rear of the main unit:



AC power supply cord connection

- Connect only after all other connections are completed.



- A** To a household AC outlet
- B** AC power supply cord (supplied)

- This system consumes a small amount of AC power (⇒ 25) even when it is turned off. In the interest of power conservation, if you will not be using this system for a long time, unplug it from the household AC outlet.

Saving energy

The main unit is designed to conserve its power consumption and save energy.

- **The main unit will automatically switch to standby mode** when no signal is input and no operation is performed for approx. 30 minutes.

Bluetooth® connection

By using the Bluetooth® connection, you can listen to the sound from the Bluetooth® audio device from this system wirelessly.

Preparation

- Turn on the Bluetooth® feature of the device and place the device near the main unit.

Bluetooth® pairing

1 Press [Ⓜ] to select “Ⓜ”.

- If the “Ⓜ” indicator flashes quickly, go to step 3.

2 Press and hold [Ⓜ] until the “Ⓜ” indicator flashes quickly.

- If the “Ⓜ” indicator flashes slowly, repeat step 2.

3 Select “SC-HTB70” or “SC-HTB65” from the Bluetooth® device’s Bluetooth® menu.

- If prompted for the passkey on the Bluetooth® device, enter “0000”.
- Once the Bluetooth® device is connected, the “Ⓜ” indicator stops flashing and lights up.



You can register 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 Bluetooth® device

1 Press [Ⓜ] to select “Ⓜ”.

- If the “Ⓜ” indicator lights, a Bluetooth® device is already connected with this system. Disconnect it. (⇒ below)

2 Select “SC-HTB70” or “SC-HTB65” from the Bluetooth® device’s Bluetooth® menu.

■ Disconnecting a Bluetooth® device

Press and hold [Ⓜ] until the “Ⓜ” indicator flashes slowly.

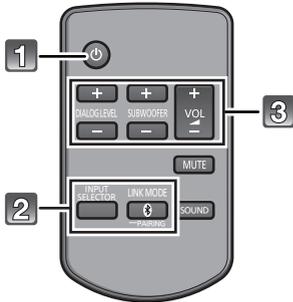


- When “Ⓜ” is selected as the source, this system will automatically try and connect to the last connected Bluetooth® device.
- The Bluetooth® device will be disconnected if a different audio source (e.g. “TV”) is selected.
- Refer to the operating instructions of the Bluetooth® device for further instruction on how to connect a Bluetooth® device.
- This system can only be connected to one device at a time.
- To change the sound quality, refer to “Bluetooth® communication mode” on page 20.

Using this system

Preparation

- Turn on the TV and/or connected device.



1 Press [⏻] to turn on the main unit.

2 Select the source.

Press	To select
[INPUT SELECTOR]	“TV” → “BD/DVD” ← “BT” ←
[BT]	“BT” (Bluetooth®)

- This remote control cannot be used to control the operations of the connected devices.

■ When “BT” is selected as the source

On the Bluetooth® device:

Select this system as the output source of the connected Bluetooth® device and start the playback.

■ When “BD/DVD” is selected as the source

On the TV and the connected device:

Select the TV's input for the device connected to “BD/DVD” terminal and start the playback on the connected device.

3 Adjust the volume and sound effect level.

■ To adjust the volume of this system

Press [+ VOL -].

- Volume range: 0 to 100*

■ To adjust the dialog effect level

This setting will change the level of the Clear-mode dialog effect. (⇒ 19)

- 1 Press [+ DIALOG LEVEL -] to display the current level.
- 2 While the level is displayed:
Press [+ DIALOG LEVEL -] to adjust the level.

Indication			Effect level		
STADIUM	MUSIC	CINEMA	NEWS	4	Highest
★	★	★	★		
STADIUM	MUSIC	CINEMA	NEWS	3	
★	★	★	★		
STADIUM	MUSIC	CINEMA	NEWS	2	
★	★	★	★		
STADIUM	MUSIC	CINEMA	NEWS	1	Lowest
★	★	★	★		

■ To adjust the subwoofer level

- 1 Press [+ SUBWOOFER -] to display the current level.
 - 2 While the level is displayed:
Press [+ SUBWOOFER -] to adjust the level.
- The level indication pattern is the same as dialog effect level.

■ To mute the sound

Press [MUTE].

- While muting, the sound mode indicators blink simultaneously.
- To cancel, press the button again or adjust the volume.
- Muting is canceled if the main unit is turned off.



If this system does not operate as expected or sound is unusual, returning the settings to the factory preset may solve the problem. (⇒ 22)

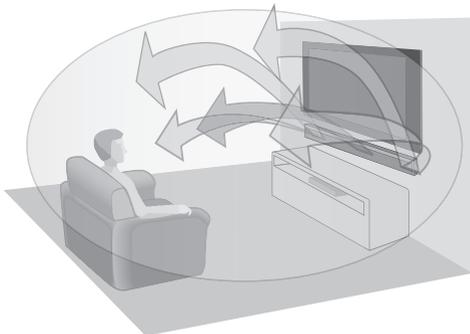
- ※ The sound mode indicators blink from left to right (+) or from right to left (-) while adjusting. The indicators will not blink when it has reached the maximum or minimum.
- If there is sound coming out of the TV's speakers, reduce the volume of the TV to its minimum.
- If the main unit is turned off with the volume setting in the greater half (above 50), the main unit will automatically lower the volume to the middle (50) when the main unit is turned on (Volume limitation). To turn this function off, refer to page 21.

3D sound

This system provides a feeling that the sound and the image are as one.

- To change the applied effect, refer to "Sound modes". (⇒ right)

e.g., Image of 3D sound field



3D sound	
Dolby® Virtual Speaker	With this effect you can enjoy a surround sound effect similar to 5.1ch.
3D surround effect	Adding to the Dolby Virtual Speaker effect, Panasonic has applied its own sound field controlling technology to expand the sound field forwards, backwards, upwards, and downwards, providing a sound with depth and force that better matches 3D images.
Clear-mode dialog	Sports commentary and dialogs from TV dramas are heard as if the sound is coming from the TV, giving the feeling that the sound and the image are one. Also, the dialog will stand out from the other sounds during normal volume playback and when the volume is lowered for night time viewing.



- To turn off Dolby Virtual Speaker and the 3D surround effects, select "STEREO" as the sound mode. (⇒ right)
- To turn off the 3D surround and the Clear-mode dialog effects, refer to "Using the Dolby Virtual Speaker effect". (⇒ 21)

Sound modes

By changing the sound mode, it is possible to enjoy the sound that is suitable according to the TV program or image from connected device.

To select the sound mode

Press [SOUND].

"STANDARD" → "STADIUM" → "MUSIC"
 ↑ "STEREO" ← "NEWS" ← "CINEMA" ←

- The indicator for the selected sound mode lights. e.g., "STANDARD"



Sound mode	
"STANDARD" (Factory preset)	Produces a sound best suited for dramas and comedy shows.
"STADIUM"	Produces a highly realistic sound for live broadcasts of sports.
"MUSIC"	Re-creates the sound of musical instruments and songs with an expansive sound.
"CINEMA"	Produces a powerful, three-dimensional sound unique to movies.
"NEWS"	Enhances the voices of news and sports commentaries for clearer hearing.
"STEREO"	You can play any source in stereo. Dolby Virtual Speaker and 3D surround effects are turned off.



The setting is maintained until it is changed again.

Advanced operations

Audio format indicator

To display the current audio format.

Press and hold [SOUND] for more than 4 sec.

- The current audio format is indicated for 5 sec.



“STADIUM” indicator blinks:
Dolby Digital is the audio format.



“MUSIC” indicator blinks:
DTS is the audio format.



“CINEMA” indicator blinks:
PCM is the audio format.



Audio format is not indicated when “” or “BD/DVD” is selected as the source.

Changing the dual audio

Change the dual audio from main to secondary.

- This setting will only work if the audio output setting on the connected TV or player, etc. is set to “Bitstream” and dual audio is available in the audio source.

1 Press and hold [MUTE] for more than 4 sec.



“STANDARD” indicator blinks (A):
Main (Factory preset)



“STEREO” indicator blinks (B):
Secondary
(SAP: Secondary Audio Program)

When **A** and **B** both blink: Main and secondary

2 While the setting is displayed, press [MUTE] to change the setting.

- The setting changes each time [MUTE] is pressed.
- The indicator for the selected setting blinks for 20 sec and then exits the setting mode.
- The setting is maintained until it is changed again.

Auto gain control

With this function, you can prevent sudden loud sounds. The output will be reduced automatically when the input exceeds a certain level.

1 Press and hold [INPUT SELECTOR] on the remote control for more than 4 sec.



“STANDARD” indicator blinks:
Auto gain control is on.



“STEREO” indicator blinks:
Auto gain control is off.
(Factory preset)

2 While the setting is displayed, press [INPUT SELECTOR] on the remote control to change the setting.

- The setting changes each time [INPUT SELECTOR] is pressed.
- The indicator for the selected setting blinks for 20 sec and then exits the setting mode.
- The setting is maintained until it is changed again.

Bluetooth® communication mode

You can select different modes to suit the type of connections with emphasis on connectivity or high quality audio.

- Make sure that a Bluetooth® device is already paired with this system. (⇒ 17)

1 Press [] to select “”.

- “” indicator will blink slowly. If the indicator lights, a Bluetooth® device is already connected with this system. Disconnect it. (⇒ 17)

2 Press [] to display the current mode.



“STANDARD” indicator blinks:
MODE1 (Factory preset)
Emphasis on connectivity



“STEREO” indicator blinks:
MODE2
Emphasis on audio quality

3 While the mode is displayed, press [] to select the mode.

- The setting changes each time [] is pressed.
- The indicator for the selected setting blinks for 10 sec and then exits the setting mode.
- The setting is maintained until it is changed again.

Using the Dolby Virtual Speaker effect

Depending on your preference, It is possible to turn off the 3D surround effect and the clear-mode dialog effect.

- 1 While pressing and holding [SOUND] on the remote control, press and hold [VOL +] on the main unit for more than 4 sec.



"STANDARD" indicator blinks:
3D surround effect and clear-mode dialog effect is on.



"STEREO" indicator blinks:
3D surround effect and clear-mode dialog effect is off.

- 2 While the setting is displayed, press [SOUND] to change the setting.

- The setting changes each time [SOUND] is pressed.
- The indicator for the selected setting blinks for 20 sec and then exits the setting mode.
- This setting will be reset to on when the main unit is turned off.
- When off is selected, the dialog effect level cannot be adjusted.

Dimmer mode

You can turn off dimmer mode and keep the LED indicators bright.

While pressing and holding [INPUT SELECTOR] on the remote control, press and hold [– VOL] on the main unit for more than 4 sec to turn off Dimmer mode.

- The indicator for the current condition will turn brighter.
- The setting is maintained until it is changed again.
- Default setting of this function is on.



To turn on dimmer mode, repeat the operation above. After performing the operation, the indicator for the current condition will be dim.

Others

Remote control code

When other Panasonic devices respond to this system's remote control, change the remote control code on this system and the remote control.

Preparation

- Turn off all other Panasonic products.
- Turn on the main unit.

Change the remote control code to code 2:

- 1 Aim the remote control at the main unit's remote control sensor.
 - 2 Press and hold [MUTE] and [Ⓜ] on the remote control for more than 4 sec.
- All the indicators will blink for 10 sec when the code of this system is changed.



- The setting is maintained until it is changed again.



- If the main unit does not operate after changing the code, repeat steps 1 and 2.
- To change the remote control code to code 1, repeat the steps above, but replace [Ⓜ] with [INPUT SELECTOR].

To reduce the clear-mode dialog effect

When the dialog does not sound natural while the volume is set low, It is possible to reduce the dialog enhancing effect as follows:

While pressing and holding [SOUND] on the remote control, press and hold [– VOL] on the main unit for more than 4 sec.

- All the indicators will blink once when the clear-mode dialog effect is reduced.



- Even if clear-mode dialog effect is reduced, dialog effect level is still adjustable.



To reset the setting, return to the factory preset. (⇒ 22)

To turn off the volume limitation

If a state of the lowered volume disturbs you every time the main unit turns on, for example, it is possible to turn off this function as follows:

While pressing and holding [MUTE] on the remote control, press and hold [VOL +] on the main unit for more than 4 sec.

- All the indicators will blink once when the volume limitation is turned off.



To reset the setting, return to the factory preset. (⇒ 22)

Troubleshooting

Before requesting service, make the following checks. If you are in doubt about some of the check points, or if the solutions indicated in the following guide do not solve the problem, refer to "Customer Services Directory (United States and Puerto Rico)" on page 26 if you reside in the U.S.A. or Puerto Rico, or refer to "WARRANTY SERVICE" on page 27 if you reside in Canada.

To return to the factory preset.

While the main unit is on, press [⏻/I] on the main unit for more than 4 sec.

(All the indicators will blink twice when this system is reset.)

If this system does not operate as expected, returning the settings to the factory preset may solve the problem.

- The remote control code will return to "1" when this system is returned to the factory preset. To change the remote control code, refer to page 21.

General operation

No power.

- Insert the AC power supply cord securely. (⇒ 17)
- After turning the main unit on, if the indicators blink and the main unit immediately turns off, unplug the AC power supply cord and consult your dealer.

The remote control does not work properly.

- The battery is depleted. Replace it with a new one. (⇒ 7)
- It is possible that the insulation sheet has not been removed. Remove the insulation sheet. (⇒ 7)
- It may be necessary to set the code of the remote control again after changing the battery of the remote control. (⇒ 21)
- Use the remote control within the correct operation range. (⇒ 7)

The "TV" indicator blinks.

Remove the AC power supply cord and consult your dealer. If there are any other indicators blinking, be sure to inform your dealer about the blinking indicators.

The main unit is automatically switched to standby mode.

The main unit will automatically switch to standby mode when no signal is input and no operation is performed for approx. 30 minutes. (⇒ 17)

The color of the speaker angle indicator does not match the tilt of the main unit.

Change the speaker angle settings manually so that the indicator color matches the tilt.

- ① Press and hold [INPUT SELECTOR] on the main unit for more than 4 sec.
 - The speaker angle indicator blinks.
 - ② While the indicator is blinking, press [INPUT SELECTOR] on the main unit repeatedly to match the indicator color with the placement method.
- Refer to "Step 1 Selecting the placement method" (⇒ 8) for the relation between color and tilt.

Bluetooth®

Pairing cannot be done.

Check the Bluetooth® device condition.

The device cannot be connected.

- The pairing of the device was unsuccessful or the registration has been replaced. Try pairing the device again. (⇒ 17)
- This system might be connected to a different device. Disconnect the other device and try pairing the device again.

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

For some built-in Bluetooth® devices, you have to set the audio output to "SC-HTB70" or "SC-HTB65" manually. Read the operating instructions for the device for details.

The sound is interrupted.

- The device is out of the 10 m (33 ft) communication range. Bring the Bluetooth® device closer to the main unit.
- Remove any obstacle between the main unit and the device.
- Other devices that use the 2.4 GHz frequency band (wireless router, microwaves, cordless phones, etc.) are interfering. Bring the Bluetooth® device closer to the main unit and distance it from the other devices.
- Select "MODE1" for stable communication. (⇒ 20)

No sound (or image).

- Turn muting off. (⇒ 18)
- Check the connections to the other device. (⇒ 15)
- Make sure that the received audio signal is compatible with this system. (⇒ 25)
- Turn this system off and then on again.
- If the connections are correct, there might be a problem with the cables. Redo the connections with different cables.
- Check the audio output settings on the connected device.

The dual audio cannot be changed from main to secondary.

If the audio received from the connected device is not “Dolby Dual Mono” or the output setting is not “Bitstream”, the setting cannot be changed from this system. Change the setting on the connected device.

The volume is lowered when the main unit is turned on.

If the main unit is turned off with the volume setting in the greater half (above 50), the main unit will automatically lower the volume to the middle (50) when the main unit is turned on. (⇒ 21)

The dialog is too persistent or the dialog does not sound natural.

This system has a function to make the dialog stand out when the volume is low. (⇒ 21)

There is no audio.

The power of the main unit turns off automatically.

(When the main unit detects a problem, a safety measure is activated and the main unit automatically switches to standby mode.)

- There is a problem with the amplifier.
- Is the volume extremely high?
If so, lower the volume.
- Is this system placed in an extremely hot place?
If so, move this system to a cooler place and wait a few moments and then try to turn it on again.

If the problem persists, confirm the TV indicator and BD/DVD indicator blink, turn this system off, remove the AC power supply cord and consult your dealer. Please be sure to remember the indicators that were blinking and inform the dealer.

Unit care

■ Clean this system 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 system.
- Before using chemically-treated cloth, carefully read the instructions that came with the cloth.

■ To dispose or transfer this system

This system may keep the user settings information in the main unit. If you discard the main unit either by disposal or transfer, then follow the procedure to return all the settings to the factory presets to delete the user settings. (⇒ 22, “To return to the factory preset.”)

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

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Indicator illumination

The indicators display the condition of this system by flashing. The indicator patterns illustrated below are displayed during normal operational conditions. They do not refer to the indications of a problem.

Indicator



Description

The indicator blinks for 10 sec.

- When the Bluetooth® communication is mode 1 (⇒ 20)
- ### The indicator blinks for 20 sec.
- When 3D surround effect and clear-mode dialog effect are on (⇒ 21)
 - When the dual audio setting is Main (⇒ 20)
 - When the auto gain control is on (⇒ 20)

The indicator blinks for 5 sec.

- When the audio format is Dolby Digital (⇒ 20)

The indicator blinks for 5 sec.

- When the audio format is DTS (⇒ 20)

The indicator blinks for 5 sec.

- When the audio format is PCM*2 (⇒ 20)

The indicator blinks for 10 sec.

- When the Bluetooth® communication is mode 2 (⇒ 20)

The indicator blinks for 20 sec.

- When 3D surround effect and clear-mode dialog effect are off (⇒ 21)
- When the dual audio setting is Secondary (SAP: Secondary Audio Program) (⇒ 20)
- When the auto gain control is off (⇒ 20)

The indicators blink for 20 sec.

- When the dual audio setting is Main and Secondary (⇒ 20)

The indicators blink for 10 sec.

- When the remote control code is changed (⇒ 21)

The indicators blink once.

- When changing the setting ("To reduce the clear-mode dialog effect" and "To turn off the volume limitation") (⇒ 21)

The indicators blink twice.

- When the main unit is reset (⇒ 22)

Bluetooth® indicator blinks quickly.

- When the main unit is ready for pairing

Bluetooth® indicator blinks slowly.

- When the main unit is waiting to connect

Bluetooth® indicator turns on.

- When the main unit is connected with a Bluetooth® device



※1 The indicator for the current status remains lit.

※2 The indicator blinks only when [SOUND] is pressed for more than 4 sec and the audio format is PCM.

Specifications

AMPLIFIER SECTION

RMS Output Power: Dolby Digital Mode

Front ch

30 W per channel (6 Ω), 1 kHz, 10 % THD

Subwoofer ch

HTB70

60 W per channel (3 Ω), 100 Hz, 10 % THD

HTB65

30 W per channel (6 Ω), 100 Hz, 10 % THD

Total RMS Dolby Digital mode power

HTB70

120 W

HTB65

90 W

FTC output power: Dolby Digital Mode

Front ch

16 W per channel (6 Ω),

100 Hz to 16 kHz, 1 % THD

Subwoofer ch

HTB70

28 W per channel (3 Ω),

65 Hz to 125 Hz, 1 % THD

HTB65

15 W per channel (6 Ω),

65 Hz to 125 Hz, 1 % THD

Total FTC Dolby Digital mode power

HTB70

60 W

HTB65

47 W

TERMINAL SECTION

Digital audio input (TV)

Optical digital input

Optical terminal

Sampling frequency

32 kHz, 44.1 kHz, 48 kHz

88.2 kHz, 96 kHz (only LPCM)

Audio Format

LPCM, Dolby Digital, DTS Digital Surround

Analog audio input

Audio input

Pin jack

HTB70

IR Blaster

Terminal Type

3.5 mm (1/8") jack

USB Port

For service use only.

SPEAKER SECTION

Front speakers (Built-in)

Type 2 way, 2 speaker system (Bass Reflex)

Woofers 5.7 cm (2 1/4") Cone type

Tweeter 2.5 cm (1") Semi-dome type

Subwoofer (Built-in)

HTB70

Type 1 way, 2 speaker system (Bass Reflex)

Woofers 8 cm (3 1/8") Cone type×2

HTB65

Type 1 way, 1 speaker system (Bass Reflex)

Woofers 8 cm (3 1/8") Cone type

GENERAL

Power consumption

HTB70 20 W

HTB65 15 W

Power consumption in standby mode

Approx. 0.25 W

Power supply

AC 120 V, 60 Hz

Dimensions

950 mm×66 mm×105 mm

(W×H×D)

(37 6/16"×2 10/16"×4 2/16")

Mass (Weight)

HTB70 Approx. 3.4 kg (7.5 lbs)

HTB65 Approx. 3.2 kg (7.1 lbs)

For wall mounting

Dimensions

950 mm×105 mm×66 mm

(W×H×D)

(37 6/16"×4 2/16"×2 10/16")

Mass (Weight)

HTB70 Approx. 3.4 kg (7.5 lbs)

HTB65 Approx. 3.2 kg (7.1 lbs)

HTB70

With basic stands

Dimensions

950 mm×79 mm×105 mm

(W×H×D)

(37 6/16"×3 2/16"×4 2/16")

Mass (Weight)

3.45 kg (7.61 lbs)

With 30° stands

Dimensions

950 mm×99 mm×113 mm

(W×H×D)

(37 6/16"×3 14/16"×4 7/16")

Mass (Weight)

3.45 kg (7.61 lbs)

With 80° stands

Dimensions

950 mm×118 mm×80 mm

(W×H×D)

(37 6/16"×4 10/16"×3 2/16")

Mass (Weight)

3.47 kg (7.65 lbs)

Operating temperature range

0 °C to +40 °C (+32 °F to +104 °F)

Operating humidity range

20 % to 80 % RH (no condensation)

Bluetooth® SECTION

Bluetooth® system specification Version 3.0

Wireless equipment classification Class 2

Supported profiles A2DP

Frequency band 2400 MHz to 2483.5 MHz

(Adaptive Frequency Hopping)

Operating distance 10 m (33 ft) Line of Sight



1 Specifications are subject to change without notice.

2 Weight and dimensions are approximate.

3 Total harmonic distortion is measured by a digital spectrum analyzer.

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

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

Panasonic Products Limited Warranty

Limited Warranty Coverage (For USA and Puerto Rico Only)

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

Product or Part Name	Parts	Labor
Home Theater Audio System	1 Year	1 Year
All included Accessories (Except Non-Rechargeable Batteries)	90 Days	Not Applicable
Only Non-Rechargeable Batteries	10 Days	Not Applicable

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

Mail-In Service

For assistance in the U.S.A. and Puerto Rico in obtaining repairs, please ship the product prepaid to:

Panasonic Exchange Center
4900 George McVay Drive
Suite B
McAllen, TX 78503
panacare@us.panasonic.com

Online Repair Request

To submit a new repair request and for quick repair status visit our Web Site at www.panasonic.com/repair.

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

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

Limited Warranty Limits And Exclusions

This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation,

set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY.

(As examples, this excludes damages for lost time, travel to and from the servicer, loss of or damage to media or images, data or other memory or recorded content. The items listed are not exclusive, but for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

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

Customer Services Directory (United States and Puerto Rico)

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

<http://www.panasonic.com/help>

or, contact us via the web at:

<http://www.panasonic.com/contactinfo>

You may also contact us directly at:

1-800-211-PANA (7262)

Monday-Friday 9am-9pm,

Saturday-Sunday 10am-7pm EST

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

Accessory Purchases (United States and Puerto Rico)

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at:

<http://www.pstc.panasonic.com>

Or, send your request by E-mail to:

nccparts@us.panasonic.com

You may also contact us directly at:

1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)

(Monday-Friday 9am-9pm EST)

Panasonic National Parts Center

20421 84th Ave S., Kent, WA 98032

(We accept Visa, MasterCard, Discover Card, American Express)

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

As of October 2012

User memo:

DATE OF PURCHASE _____

DEALER NAME _____

DEALER ADDRESS _____

TELEPHONE NUMBER _____

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

MODEL NUMBER _____

SERIAL NUMBER _____

Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc.

5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC PRODUCT - LIMITED WARRANTY

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.

Technics Audio Product - One (1) year, parts and labour

Panasonic BD/DVD Product - One (1) year, parts and labour

Panasonic Audio Receivers - One (1) year, parts and labour

Home Theater Systems Product - One (1) year, parts and labour

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.

WARRANTY SERVICE

For product operation and information assistance, please contact:

PRODUCT OPERATION ASSISTANCE

Customer Care Centre: Telephone #: 1-800-561-5505
Fax #: (905) 238-2360

PRODUCT REPAIRS

Please locate your nearest Authorized Servicentre.

Link: "Support → Panasonic Servicentre® locator" on www.panasonic.ca

IF YOU SHIP THE PRODUCT TO A SERVICENTRE

Carefully pack and send prepaid, adequately insured and preferably in the original carton.
Include details of the defect claimed, and proof of date of original purchase.

About Bluetooth®

Panasonic bears no responsibility for data and/or information that is compromised during a wireless transmission.

■ Frequency band used

This system uses the 2.4 GHz frequency band.

■ Certification of this device

- This system conforms to frequency restrictions and has received certification based on frequency laws. Thus, a wireless permit is not necessary.
- The action below are punishable by law in some countries:
 - Taking apart or modifying the unit.
 - Removing specification indications.

■ Restrictions of use

- Wireless transmission and/or usage with all Bluetooth® equipped devices is not guaranteed.
- All devices must conform to standards set by Bluetooth SIG, Inc.
- Depending on the specifications and settings of a device, it can fail to connect or some operations can be different.

- This system supports Bluetooth® security features. But depending on the operating environment and/or settings, this security is possibly not sufficient. Transmit data wirelessly to this system with caution.

- This system cannot transmit data to a Bluetooth® device.

■ Range of use

Use this device at a maximum range of 10 m (33 ft). 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 the main 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. are too strong.

■ Intended usage

- This system is for normal, general use only.
- Do not use this system near equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc).

-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.



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

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

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

One Panasonic Way, Secaucus,
New Jersey 07094
<http://www.panasonic.com>

Panasonic Canada Inc.

5770 Ambler Drive
Mississauga, Ontario
L4W 2T3

www.panasonic.ca

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