Panasonic®

Owner's Manual

<Operations>

Blu-ray Disc™ Home Theater Sound System

Model No. SC-BTT466
SC-BTT465
SC-BTT405

Unless otherwise indicated, illustrations in this Owner's Manual are of SC-BTT466.

Firmware updates

Panasonic is constantly improving the unit's firmware to ensure that our customers are enjoying the latest technology.
Panasonic recommends updating your firmware as soon as you are notified.
For details, refer to "Firmware updates" (⇨ 14) or
http://panasonic.jp/support/global/cs/ (This site is in English only.)

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, visit : www.panasonic.com/support

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

Please also read through the "Owner's Manual <Setup>".

VQT5F60-2

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.

Precautions

WARNING

Unit

To reduce the risk of fire, electric shock or product damage,
● Do not expose this unit to rain, moisture, dripping or splashing.
● Do not place objects filled with liquids, such as vases, on this unit.
● Use 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.

Speaker

To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.

Small object

● Keep the screws out of reach of children to prevent swallowing.

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.

Speaker

● **Use only supplied speakers**
The main unit and supplied speakers are to be used only as indicated in this Owner's Manual. Failure to do so may lead to damage to the amplifier and/or the speakers, 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.
● Be careful not to cross (short-circuit) or reverse the polarity of the speaker wires as doing so may damage the speakers.
● Hold the speaker firmly to avoid injury by dropping the speaker when carrying.
● You can damage your speakers and shorten their useful life if you play sound at high levels over extended periods.
● Do not touch the front area of the speakers. Hold by the sides.
● Place speakers on flat, secure surfaces.
● To avoid injury by falling or dropping the speaker, place the speaker cables with care not to stumble or hook.
● Do not stand on the speaker. Be cautious when children are near.

Batteries

Mishandling of batteries can cause electrolyte leakage and may cause a fire.

● Danger of explosion if battery is incorrectly replaced. Replace only with the type recommended by the manufacturer.
● When disposing of the batteries, please contact your local authorities or dealer and ask for the correct method of disposal.
● Do not mix old and new batteries or different types at the same time.
● 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 take apart or short circuit.
● Do not recharge alkaline or manganese batteries.
● Do not use batteries if the covering has been peeled off.

Remove batteries if you do not intend to use the remote control for a long period of time. Store in a cool, dark place.

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. (⇨ 35, "To return all settings to the factory preset.")

● The operation history may be recorded in the memory of this unit.

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.

Restriction on use of unauthorized copied content

This unit adopts the following technology for copyright protection.

Cinavia Notice
This product uses Cinavia technology to limit the use of unauthorized copies of some commercially-produced film and videos and their soundtracks. When a prohibited use of an unauthorized copy is detected, a message will be displayed and playback or copying will be interrupted.
More information about Cinavia technology is provided at the Cinavia Online Consumer Information Center at http://www.cinavia.com. To request additional information about Cinavia by mail, send a postcard with your mailing address to: Cinavia Consumer Information Center, P.O. Box 86851, San Diego, CA, 92138, USA.

Table of contents

Getting started

Playback

TV & Radio

Advanced operations

Reference

Package contents and accessories

Check the package contents and supplied accessories before using this unit.

Package contents

| BTT466 | BTT465 | | BTT405 |

Main unit

(SA-BTT466/SA-BTT465)

Main unit

(SA-BTT405)

FRONT
(SB-HFS4810)

CENTER
(SB-HC4010)

SUBWOOFER
(SB-HW4010)

FRONT
(SB-HFS4010)

SURROUND
(SB-HFS4010)

(Speakers)

(Speaker cables)

(Stands)

SURROUND
(SB-HFS4010)
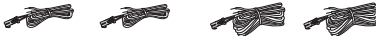
CENTER
(SB-HC4010)

SUBWOOFER
(SB-HW4010)

(Bases)

(Screws)

(Speaker cables)

■ Parts number

System	BTT466 BTT465	BTT405
Stands (with cables)	RYP2001-K: WHITE RYP2001A-K: RED	–
Bases	RYP2002-K	–
Screws	XYN5+F14FJK	–
Speaker cables	REE1966: GREEN REE1971: BLUE REE1972: GRAY	REE1962: WHITE REE1963: RED REE1966: GREEN REE1971: BLUE REE1972: GRAY

Accessories

☐ **1 Remote control**
(N2QAYB000966)

☐ **2 Batteries for remote control**

☐ **1 AC power supply cord**
(K2CB2YY00105)

☐ **1 FM indoor antenna**
(RSA0044)

☐ **1 Sheet of speaker cable sticker**

📖
● Product numbers are provided in this Owner's Manual correct as of January 2014. These may be subject to change.
● Do not use AC power supply cord with other equipment.

Unit and media care

■ Clean this unit with a soft, dry cloth

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

■ This unit's lens

Use the lens cleaner (not supplied) to clean the unit's lens.

■ Clean discs

DO   **DO NOT**

Wipe with a damp cloth and then wipe dry with a dry cloth.

■ 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 disc cleaning sprays, benzine, 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.

Playable media

Device	Media markings	Device types	Contents format
BD	*Blu-ray Disc*	**BD-Video**	**Video**
		BD-RE	**Video, JPEG, MPO**
		BD-R	**Video, MKV**
DVD	*DVD VIDEO*	**DVD-Video**	**Video**
	DVD R4.7	**DVD-R**	**Video, AVCHD, MKV, JPEG, MPO, AAC, FLAC, MP3, WAV, WMA**
	DVD R R DL	**DVD-R DL**	
	DVD R W	**DVD-RW**	**Video, AVCHD**
	—	**+R/+RW/+R DL**	
CD	*COMPACT DIGITAL AUDIO*	**Music CD**	**Music [CD-DA]**
	—	**CD-R CD-RW**	**MKV, JPEG, MPO, AAC, FLAC, MP3, Music [CD-DA], WAV, WMA**
USB	—	**USB devices (up to 2 TB)**	**MKV, MP4, MPEG2, JPEG, MPO, AAC, FLAC, MP3, WAV, WMA**

● See pages 8 and 44 for more information on the types of content that can be played.

■ Types of discs that cannot be played by this unit

Any other disc that is not specifically supported or previously described.
● DVD-RAM
● Super Audio CD
● Photo CD
● DVD-Audio
● Video CD and Super Video CD
● HD DVD

■ Region management information

The unit can playback BD-Video/DVD-Video discs of the following regions codes, including "**ALL**":

Example: BD-Video   DVD-Video

● The unit cannot playback discs in PAL format.

■ Finalize

Any DVD-R/RW/R DL, +R/+RW/+R DL and CD-R/RW that are recorded by a recorder need to be finalized by the recorder to play on this unit. Please refer to the recorder's owner's manuals.

■ BD-Video

This unit supports high bit rate audio (Dolby® Digital Plus, Dolby® TrueHD, DTS-HD High Resolution Audio™ and DTS-HD Master Audio™) adopted in BD-Video.

■ 3D

3D videos and 3D still pictures can be played back when this unit is connected to a 3D compatible TV using a High Speed HDMI Cable.

■ Music CD

● Operation and sound quality of CDs that do not comply with CD-DA specifications (copy control CDs, etc.) cannot be guaranteed to work.
● The digital audio content side of a DualDisc does not meet the technical specifications of the Compact Disc Digital Audio (CD-DA) format so playback may not be possible.

■ USB device

● This unit does not guarantee connection with all USB devices.
● This unit does not support USB device charging.
● FAT16, FAT32, and NTFS file systems are supported.
● This unit supports USB2.0 High Speed.
● This unit supports an HDD formatted in FAT32 and NTFS. If the HDD is not recognized, the power to the HDD may not be supplied. Supply power from an external source.

● It may not be possible to play the above media in some cases due to the type of media, the condition of the recording, the recording method, and how the files were created.
● The producers of the disc can control how discs are played, so you may not always be able to control play as described in this Owner's Manual. Read the disc's instructions carefully.

Control reference guide

Remote control
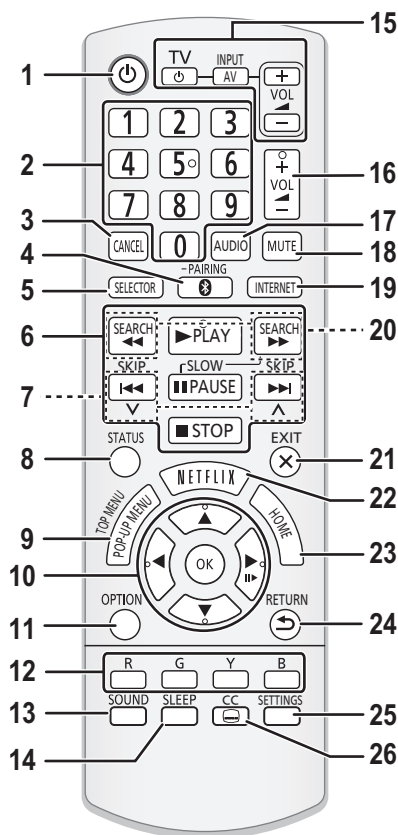
1 Turn the unit on and off
2 Select title numbers, etc./Enter numbers
3 Cancel
4 Select Bluetooth®/Enable pairing (⇨ 21)
5 Select an audio or video source
6 Basic playback control buttons (⇨ 18)
7 Select preset radio stations (⇨ 23)
8 Show the status messages (⇨ 19)
9 Show Pop-up Menu/Top Menu (⇨ 19)
10 [▲, ▼, ◄, ►] : Move the highlight for selection
   [OK] : Confirm the selection
   (❙❙►) : Frame-by-frame (⇨ 18)
11 Show Option menu (⇨ 25)
12 Colored buttons (red, green, yellow, blue)
   Used for various purposes depending on the display
13 Set the sound effects (⇨ 26)
14 Set the sleep timer
   ① Press [SLEEP].
   ② While "SL ✳✳" is displayed on the unit's display, press [SLEEP] several times to select the time (in minutes).
   ● Timer selection is up to 120 minutes.
   ● Select "OFF" on the unit's display to disable the function.
   ● To confirm the remaining time
     Press the button again.
15 TV operation buttons
   [⏻ TV]: Turn the TV on and off
   [AV, INPUT]: Switch the input select
   [+ − VOL] : Adjust the volume
16 Adjust the volume of the main unit
17 Change audio (⇨ 18)
18 Mute the sound
   ● "MUtE" flashes on the unit's display, while the function is on.
   ● To cancel, press the button again or adjust the volume.
   ● Muting is canceled if the unit is turned off.
19 Show the Home Screen of the Network Service (⇨ 24)
20 Select radio stations manually (⇨ 23)
21 Exit the Menu screen
22 Show NETFLIX screen (⇨ 24)
23 Show HOME menu (⇨ 16)
24 Return to previous screen
25 Show Setup menu (⇨ 27)
26 Show Closed Caption setup screen (⇨ 25, 29)

■ Using the remote control

Insert the batteries to the terminal so that it (+ and −) matches those in the remote control.

R6/LR6, AA
(Alkaline or manganese batteries)
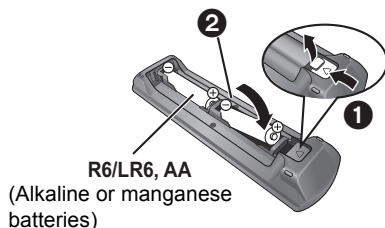
Point it at the remote control signal sensor on this unit. (⇨ 10)

Main unit (Front)

1   Disc tray
2   Display
    Unit's display list (⇨ 41)
3   Remote control signal sensor
    Distance: Within approx. 7 m (23 feet).
    Angle: Approx. 20˚ up and down, 30˚ left and right
4   Open or close the disc tray (⇨ 15)
5   Adjust the volume of the main unit

6   Stop (⇨ 18)
7   Start play (⇨ 18)
8   USB port (⇨ 15)
9   **Standby/on switch (**Φ**/I)** (⇨ 13)
    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.
10 NFC touch area (⇨ 21)

Main unit (Rear)
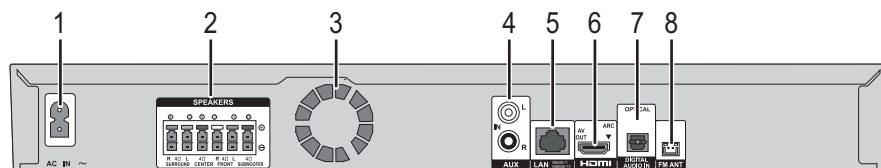
1   AC IN terminal
2   Speaker terminals
3   Cooling fan
4   AUX terminal

5   LAN port (⇨ 12)
6   HDMI AV OUT (ARC) terminal
7   DIGITAL AUDIO IN terminal
8   FM radio antenna terminal

Setting up the system

Follow the "Owner's Manual <Setup>" to set up the system first.

Precautions

■ Speakers

● Keep your speakers at least 10 mm ($^{13}/_{32}''$) away from the system for proper ventilation.
● For optional wall mount, refer to page 33.

Center speaker
● Put it on a rack or shelf not to interfere with the TV's various sensors (ambient light, etc.). Vibration caused by the speaker can disrupt the picture if it is placed directly on the TV.

Surround speakers
● Place the speakers at the same height or higher than ear level.

■ HDMI

● Use the ARC* compatible High Speed HDMI cables. Non-HDMI-compliant cables cannot be utilized.
It is recommended that you use Panasonic's HDMI cable. When outputting 1080p signal, please use HDMI cables 5.0 meters (16.4 ft.) or less.

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* ARC is an abbreviation of Audio Return Channel, also known as HDMI ARC. This feature allows a home theater system to receive and play audio from the TV through a single HDMI cable without additional wiring.

■ DIGITAL AUDIO IN

● The dual audio cannot be changed. Change the setting on the connected device.

■ AC power supply cord

● This unit consumes a small amount of AC power (⇨ 42) even when turned off in standby mode. For the purpose of energy conservation, the unit should be disconnected if you will not be using it for extended period of time.

Other device connection

e.g.,

Set Top Box, etc.

Optical digital audio cable
(not supplied)
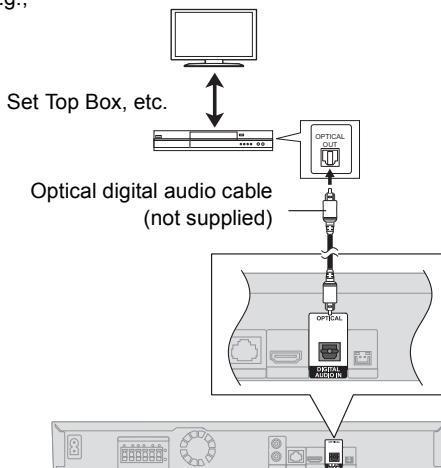
Connecting to the network

The following services can be used when this unit is connected to broadband.
● Firmware can be updated (⇨ 14)
● You can enjoy BD-Live (⇨ 19)
● You can enjoy Network Service (⇨ 24)

For details about connection method, refer to the instructions supplied with the connected equipment.

Wireless LAN connection

For wireless capability, connect the Wireless LAN Adaptor DY-WL5 (optional). **Only DY-WL5 can be used.** Read the owner's manual for DY-WL5 thoroughly when using it.

Wireless router, etc.

Internet
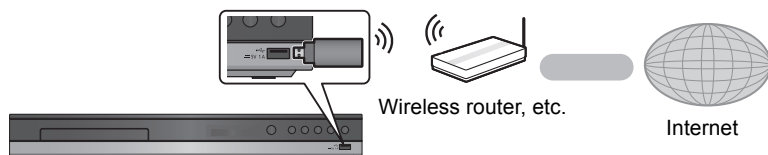
● For up-to-date compatibility information on your wireless router, refer to
http://panasonic.jp/support/global/cs/
(This site is in English only.)
For additional information about this unit refer to
http://www.panasonic.com/support
● The unit is not compatible with public wireless LAN services provided in airports, stations, cafes etc.

LAN cable connection

LAN Cable (not supplied)

Broadband router, etc.

Internet
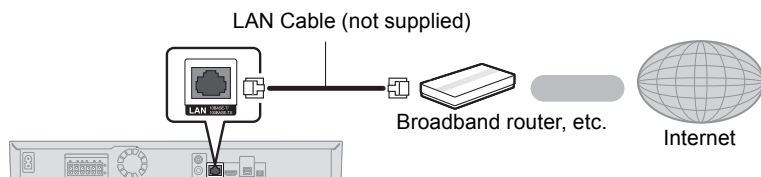
● Use category 5 or above straight LAN cables (STP) when connecting to peripheral devices.
● Inserting any cable other than a LAN cable in the LAN port can damage the unit.

Settings

The following settings can be performed anytime in the Setup menu. (⇨ 29, 30)

Easy Settings

After connecting your new home theater for the first time and pressing [⏻], the basic settings screen will appear.

Preparation
Turn on the TV and select the appropriate video input.

1 **Press [⏻].**

Setup screen appears.

2 **Follow the on-screen instructions to continue with the settings.**

Easy Network Setting

After completing "Easy Settings", you can perform "Easy Network Setting".

Select "Wired" or "Wireless" and press [OK].
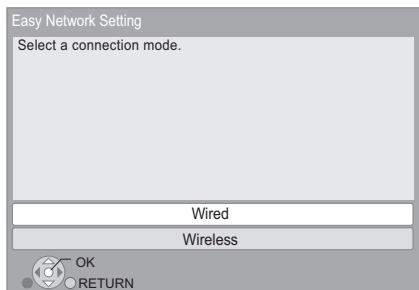
Follow the on-screen instructions to establish your connection settings.

● If "Wireless LAN Adaptor is not connected." is displayed, check that the Wireless LAN Adaptor is fully inserted. Alternatively, disconnect and reconnect it.

■ About the wireless connection

To obtain your network name (SSID*) and encryption key (password).

The default settings may be printed on the router. If the SSID and password have been changed, consult the person responsible for setting up your network.

e.g.

For more details, refer to the manual supplied with the wireless broadband router, or contact your Internet provider.

For more information or assistance, refer to http://www.panasonic.com/support

If your SSID is not displayed;
Search again by pressing the red button on the remote control.
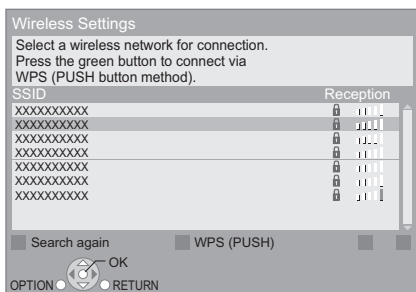
Stealth SSIDs will not be displayed; in this case, enter manually in the following order.

1 To display the SSID input screen :
While displaying the HOME menu, press the [SETTINGS] button on the remote control
⇨ select "Network" and press [OK]
⇨ select "Network Settings" and press [OK]
⇨ select "Wireless Settings" and press [OK]
⇨ select "Connection Setting" and press [OK]
⇨ select "Manual setting" and press [OK]
2 Enter your SSID.
● If your wireless network is encrypted, go to page 14.

If your wireless router supports WPS (Wi-Fi Protected Setup™);
You can easily set up a connection by pressing the green button on the remote control.

If your wireless network is encrypted;

Enter your encryption key (password).
● You can switch between capital and lower case letters by pressing the "Shift" key.

```
Encryption Key (Password)
│

 Shift   1  2  3  4  5  6  7  8  9  0   Delete
         q  w  e  r  t  y  u  i  o  p   Finish
         a  s  d  f  g  h  j  k  l  .
         z  x  c  v  b  n  m  @  *  #
 Space   /  :  ~  _  -  ,  ;  `  "
    Symbols      Alphanumeric    Other Characters

  OK
  RETURN          Enter (case sensitive)
```
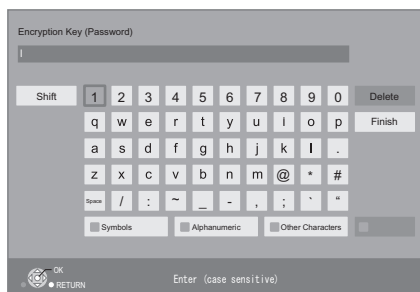
📖
● Refer to the owner's manuals of the hub or router.
● Do not use this unit to connect to any wireless network for which you do not have usage rights.
  Using these networks may be regarded as illegal access.
● If you have trouble getting online on your PC after performing network settings on this unit, perform the network settings on your PC.
● Please be aware that connecting to a network without encryption may result in the leaking of data such as personal or secret information.

  * SSID:
    An SSID (Service Set IDentification) is a name used by wireless LAN to identify a particular network.
    Transmission is possible if the SSID matches for both devices.

Firmware updates

Occasionally, Panasonic may release updated firmware for this unit that may add or improve the way a feature operates. These updates are available free of charge.

This unit is capable of checking the firmware automatically when connected to the Internet via a broadband connection.
When a new firmware version is available, the following message is displayed.

```
           Firmware Update
  New Version:      X.XX
  Current Version:  X.XX
  Do you want to start firmware update?
  For the update information, please visit the
  following website:
  http://panasonic.net/support/

      Yes              No
              OK
              RETURN
```
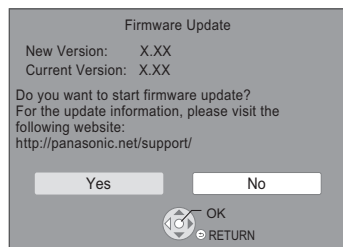
DO NOT DISCONNECT the unit from the AC power or perform any operation while the update is in process.
After the firmware is installed, "FIn" will be displayed on the unit's display. Unit will restart and the following screen will be displayed.

```
  The firmware was updated.
  Current Version: x.xx

              RETURN
```
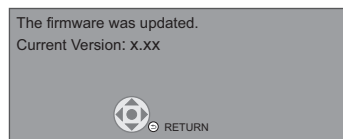
📖
● **If downloading on this unit fails or this unit is not connected to the Internet, then you can download the latest firmware from the following website and burn it to a CD-R to update the firmware.**
  http://panasonic.jp/support/global/cs/
  (This site is in English only.)
  To show the firmware version on this unit. (⇨ 32, "Firmware Version Information")
● **Downloading will require several minutes. It may take longer or may not work properly depending on the connection environment.**
● If you do not want to check for the latest firmware version, set "Automatic Update Check" to "Off". (⇨ 32)

Inserting or removing media
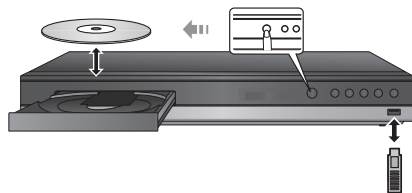
● When inserting a media item, ensure that it is facing the correct way, which is the right side facing up.

Enjoying TV with the speakers of the system

Press [SELECTOR] several times to select the appropriate external input mode. (⇨ 16)
● Reduce the volume on the TV to its minimum, and then adjust the volume of the main unit.

HOME menu

Major functions of this unit can be operated from the HOME menu.

Preparation
Turn on the TV and select the appropriate video input.

1 **Press [⏻] to turn on the unit.**
- After network service introduction banner is shown, the HOME menu is displayed.
  –When connected to the network, the banner content may be changed.
  –You can disable the "Start-up Banner" (⇨ 31).
- If the HOME menu is not displayed, press [HOME].

2 **Press [OK] or [▲, ▼, ◄, ►] to select the item.**
- If there are any other items, repeat this step.
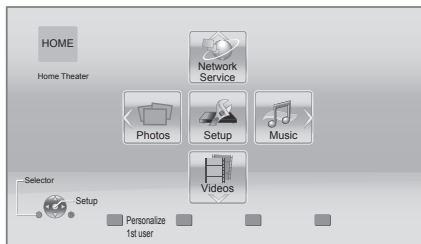
Network Service

Displays the Home Screen of Network Service. (⇨ 24)

Videos/Photos/Music

Disc	Play back the contents. (⇨ 18)
USB	● When multiple contents are recorded, select the types of contents or the title.

Setup

Settings	(⇨ 27)
USB Management	(⇨ 19)
Wallpaper	Changes the background of HOME menu.

To show the HOME menu
Press [HOME].

■ Input selection

1 **While displaying the HOME menu, press [OPTION].**

2 **Select the source and press [OK].**
- When you want to output audio of an external device from this unit, select the terminal connected to the device.

Bluetooth	(⇨ 21)
FM Radio	(⇨ 23)
AUX	AUX terminal
ARC	HDMI AV OUT (ARC) terminal
DIGITAL IN	DIGITAL AUDIO IN terminal

📖

- Items to be displayed may vary with the media.
- When the selector is switched, it may take time to play back the selected video and/or audio.
- Where necessary, set "Mixed Data Disc Option" when using a disc with both data files (MP3, JPEG, MKV, etc.) and Video (BDAV and AVCHD). (⇨ 31)
- To save on electricity, this unit is turned off automatically if there is no button operation for about 30 minutes when not playing back (such as when paused or displaying the menu, displaying still pictures, etc.).

Multi User Mode

Multi User Mode allows individuals to customize settings and switch to their saved settings easily. Up to four people can use the unit with their own settings.

The following settings can be personalized:
● The user icon
● The wallpaper of HOME menu
● The specific settings (⇨ 25, 27)
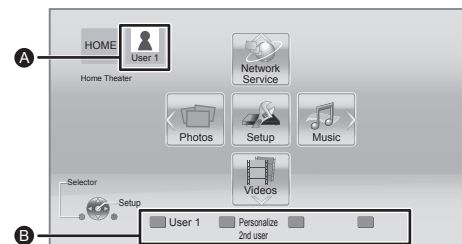
Ⓐ The user name and icon currently selected
Ⓑ Personalize a new user and switch between users with colored buttons.

Personalizing a new user

1 Press [HOME].

2 Press the colored button that indicates new user personalization.

3 Select an item and change the settings according to the indications.
The following items can be set.

Input Nickname	Personalize a user name.
Select Icon	Personalize a user icon. **Select from Illustrations** The image can be selected from prepared illustrations. **Create from Photos** You can select a photo in recording media as an icon. (⇨ 25, "Icon Personalization")
Select Wallpaper	Personalize a background of the HOME menu. ● In addition to the default wallpapers, you can select a photo in recording media as a wallpaper. (⇨ 25, "Wallpaper")

4 Select "Confirm" and press [OK].

To change the personalized user information
Select "Edit User Information" from Setup menu. (⇨ 31)

Switching the user information

Press the colored buttons in the HOME menu to switch to the user information corresponding to the button.

Playback

1 Insert the media.

Playback starts depending on the media.

2 Select the item to play and press [OK].

Repeat this step if necessary.

📖
- DISCS CONTINUE TO ROTATE WHILE MENUS ARE DISPLAYED. Press [■STOP] when you have finished playback to protect the unit's motor, your TV screen and so on.
- It is not possible to play back AVCHD and MPEG2 videos which have been dragged and dropped or copied and pasted to the media.

Operations during playback

The following functions may not work depending on the media and contents.

Stop

Press [■STOP].
The stopping point is memorized.

Resume play function
Press [►PLAY] to restart from this point.
- The point is cleared if the media is removed.
- **On BD-Video discs including BD-J, the resume play function does not work.**

Pause

Press [❙❙PAUSE].
- Press [❙❙PAUSE] again or [►PLAY] to restart play.

Search/Slow motion

Search
While playing, press [SEARCH◄◄] or [SEARCH►►].
Slow motion
While paused, press [SEARCH►►].

The speed increases up to 5 steps.
- Music and MP3, etc.: The speed is fixed to a single step.
- Press [►PLAY] to revert to normal playback speed.

Skip

While playing or paused, press [❙◄◄] or [►►❙].
Skip to the title, chapter or track.

Frame-by-frame

While paused, press [►] (❙❙►).
- Press and hold to fast forward.
- Press [►PLAY] to revert to normal playback speed.

Changing audio

Press [AUDIO].
You can change the audio channel number or soundtrack language, etc.

Show top menu/pop-up menu

Press [POP-UP MENU/TOP MENU].
Select the item and press [OK].

Show the status messages

While playing, press [STATUS].
The status messages give you information about what is currently being played. Each time you press [STATUS], the display information may change or disappear from the screen.

● Depending on media and contents, the display may change or not appear.

e.g., BD-Video

Ⓐ T: Title, C: Chapter, PL: Playlist
Ⓑ Elapsed time in the title
Ⓒ Current position
Ⓓ Total time

e.g., JPEG

```
                                    1 / 26
Date        11/12/2007
Size        500X375
Manufacturer
Equipment
```

Enjoying 3D video and photos

Preparation
Connect this unit to a 3D compatible TV.
● Perform the necessary preparations for the TV.
● Play back following the instructions displayed on the screen.
● 3D Settings (⇨ 26, 28)

📖
● Please refrain from viewing 3D images if you do not feel well or are experiencing visual fatigue.
In the event that you experience dizziness, nausea, or other discomfort while viewing 3D images, discontinue use and rest your eyes.
● 3D video might not output the way it is set in "HDMI Resolution" and "24p Output" (⇨ 27).
● When playing back 3D photos from "Photos" screen, select from the "3D" list. (Still pictures in "2D" are played back in 2D.) If "2D" and "3D" indications are not displayed, press the red button on the remote control to switch the view of playback contents.

Enjoying BD-Live

With "BD-Live" discs, you can enjoy bonus contents that use Internet access.
For this BD-Live function, connection of a USB device is necessary along with Internet connection.

1 Perform network connection and settings. (⇨ 12, 13)
   ● Use a LAN cable for a network connection.

2 Connect a USB device with 1 GB or more free space.
   ● The USB device is used as the local storage.

3 Insert the disc.

■ Deleting data on the USB device

Select "USB Management" in the HOME menu (⇨ 16), then select "BD-Video Data Erase" and press [OK].

📖
● The usable functions and the operating method may vary with each disc, please refer to the instructions on the disc and/or visit their website.
● "BD-Live Internet Access" may need to be changed for certain discs (⇨ 30).

Playback

Slideshow

Play a slideshow of photos and adjust various settings during the playback.

1 **Insert the media.**

2 **Select "Photos".**

3 **Select an item and press the green button.**

The following items can be set.

Start Slideshow	Start the slideshow. You can display still pictures in the selected folder one by one at a constant interval.
Display Interval	Change the display interval.
Transition Effect	Select the effect when sliding pictures.
Repeat Play	Set whether to repeat the slideshow.

📖

● Still pictures displayed as " ⊠ " cannot be played back with this unit.

Enjoying Bluetooth®

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

■ Restrictions of use

● All devices must conform to standards set by Bluetooth SIG, Inc.
● Usage with all Bluetooth® devices is not guaranteed.
● 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.
● The environment, obstacles, and interference may shorten the communication range or cause incorrect operation, such as audio interruptions.
● Do not use this system near an equipment or in an environment that is sensitive to radio frequency interference (example: airports, hospitals, laboratories, etc).

Bluetooth® operations

By using the Bluetooth® connection, you can listen to the sound from the Bluetooth® device wirelessly.
Refer to the owner's manual of the Bluetooth® device for details.

● If you intend to use an NFC (Near Field Communication)-compatible Bluetooth® device, proceed to "One-Touch Connection (Connecting by NFC)".

1 **Turn on the Bluetooth® feature of the device.**

2 **Press [🟦].**

● If "Panasonic BTT" is displayed on the Bluetooth® menu of the device, go to step 4.

3 **Press and hold [−PAIRING].**

● "PAIrInG" will be displayed on the unit's display and the unit will enter pairing standby mode.

PAIr InG　PAIRING

● If another Bluetooth® device is already connected, the connection will be terminated automatically.

4 **Select "Panasonic BTT" from the Bluetooth® menu of the device.**

● If another Bluetooth® device is already connected, disconnect it.
● "ConnECtEd" will be displayed on the unit's display and the connection will be established.

ConnECtEd　CONNECTED

5 **Start play on the Bluetooth® device.**

📖
● If prompted for the passkey, input "0000".
● You can register up to 8 devices with this system. If a 9th device is paired, one of the other registered devices will be replaced.
● This system can only be connected to one device at a time.
● When "Bluetooth" is selected as the source, this system will automatically try and connect to the last connected Bluetooth® device. If the connection attempt fails, try to establish a connection again.
● If you switch the source, the Bluetooth® device will be disconnected.
● If the image and sound are out of sync during playback, restart the playback application you are using. If the problem persists, connect the Bluetooth® device and this unit with an audio cable.

● "Bluetooth Standby Mode" (⇨ 31)

One-Touch Connection (Connecting by NFC)

For NFC-compatible Android™ devices only (Android™ version 4.1 or higher)
Simply by touching an NFC-compatible Bluetooth® device on the unit, you can complete all preparations, from registering a Bluetooth® device to establishing a connection.

1 **Turn on the NFC feature of the device.**

2 **Touch and hold your device on the NFC touch area of this unit. (⇨ 10)**

● If the unit is in standby, it will turn on, and "nFC" will be displayed on the unit's display. Keep the device in contact with the unit.
● When the Bluetooth® device is paired and connected, "ConnECtEd" is displayed on the unit's display. Once the registration and connection of the Bluetooth® device is complete, move the device away from the unit.
● If "ConnECtEd" is not displayed, change the touching position.

3 **Start play on the Bluetooth® device.**

📖
● When the connection is established, the playback may start automatically depending on the type of device being used.
● The One-Touch Connection may not work properly depending on the type of device being used.

Playback

"HDMI CEC"

This unit supports "HDMI CEC" (Consumer Electronics Control) function.
See the owner's manual for connected equipment for operational details.

Preparation
Set "HDMI CEC" to "On" (⇨ 31).
(The default setting is "On".)

Power on link

When the unit starts playback, the TV will automatically turn on and the screen of the unit will be displayed.

Power Off Link

All connected "HDMI CEC" equipment automatically turns off when you switch the TV off.

Playing music continuously even after turning off the TV

Select "Video" in "Power Off Link" (⇨ 31)

● The operation cannot be guaranteed on all HDMI CEC equipment.

Enjoying TV with unit's speakers

You can select whether audio is output from the unit's speakers or the TV speakers by using the TV menu settings. Switch the audio output setting of the TV to this unit's speakers.

Select the TV audio

When the TV is turned on, this unit will also automatically turn on.

Optical digital audio cable (not supplied)
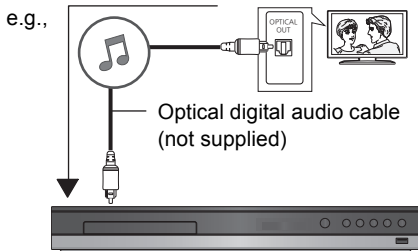
① While displaying the HOME menu, press [SETTINGS].
② Press [▲, ▼] to select "Audio" and press [OK].
③ Press [▲, ▼] to select "TV Audio Input". and press [OK].
④ Press [▲, ▼] to switch "AUX", "ARC" or "DIGITAL IN" and press [OK].
  ● Select an audio input terminal connected to the unit.

Listening to the Radio

You can preset up to 30 channels.
Preparation
Press [SELECTOR] several times to select "rAdIO".

RADIO

Presetting stations automatically

1 Press and hold [STATUS] to select "LOWESt" or "CUrrEnt".

LOWEST

To begin auto preset with the lowest frequency (FM87.9).

CURRENT

To begin auto preset with the current frequency.*

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

2 Press and hold [OK].

Release the button when "AUtO" is displayed.

AUTO

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

Listening to a preset channel

Press the number buttons to select the channel.

e.g., 1: [1] ⇨ [OK].
    12: [1] ⇨ [2].
Alternatively, press [∧, ∨] or [▲, ▼].

■ Manual tuning and presetting

Select a radio broadcast.
① Press [SEARCH◄◄] or [SEARCH►►] to select the frequency.
● To start automatic tuning, press and hold [SEARCH◄◄], [SEARCH►►] until the frequency starts scrolling. Tuning stops when a station is found.

To preset the channel
② While listening to the radio broadcast Press [OK].
③ While "P" is flashing on the display Press the number buttons to select the channel.

TV & Radio

Network Service (Enjoying NETFLIX, etc.)

Network Service allows you to access some specific websites supported by Panasonic. This unit has no full browser function and all features of websites may not be available.

● Some services, such as NETFLIX require a registered account.

For details of your NETFLIX account, refer to NETFLIX.

> **Network Service provides a variety of selected Internet services such as the following.**
> ● **Online movie rental service**
> ● **Video browsing service**

*
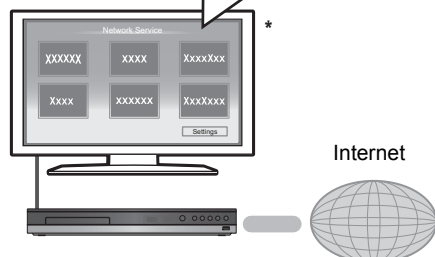
Internet

* Images are for illustration purposes, contents may change without notice.

Preparation
● Network connection (⇨ 12)
● Network settings (⇨ 13)

1 **Press [INTERNET].**
  ● NETFLIX can be accessed directly by pressing [NETFLIX] button.

2 **Select the item and press [OK].**

To exit from Network Service
Press [HOME].

☐
● When playing content in the media, Network Service cannot be accessed by pressing [INTERNET].
● In the following cases, settings are possible using the Setup menu items.
  – When restricting the use of Network Service (⇨ 30, "Network Service Lock")
  – When correcting the displayed time (⇨ 30, "Time Zone", "DST")
  – When using another device such as a smartphone in combination with the unit by using a certain app on the device (⇨ 30, "Remote Device Operation")
● When using Network Service, you cannot switch the source by pressing [SELECTOR] or [🅑] of the remote control or use One-Touch Connection with NFC.
● When using a slow Internet connection, the video may not be displayed correctly. A high speed Internet service with a speed of at least 6 Mbps is recommended.
● Be sure to update the firmware as soon as a firmware update notice is displayed on the screen. If the firmware is not updated, you may not be able to use Network Service function properly. (⇨ 14)
● Network Service Home Screen is subject to change without notice.
● The services through Network Service are operated by their respective service providers, and service may be discontinued either temporarily or permanently without notice. Therefore, Panasonic will make no warranty for the content or the continuity of the services.
● Some features of websites or content of the service may not be available.
● Some content may be inappropriate for viewers.
● Some content may only be available for specific countries and may be presented in specific languages.

Option menu

A variety of playback operations and settings can be performed through this menu.
Available options differ depending on the playing contents and the condition of the unit.

About Multi User Mode

👤 : Settings of the items with this indication are saved by the respective users registered in the HOME menu. (⇨ 17)

1   Press [OPTION].

- When playing music, select "Playback Settings" and press [OK].
  e.g., BD-Video

Operation Menu	
Soundtrack	1 ENG DTS-HD MSTR ...
Subtitle	
Angle	—
Repeat Play	Off
Status	
Primary Video	1MPEG-4 AVC
Secondary Video	
Zoom	
Top Menu	
Pop-up Menu	
Closed Caption	
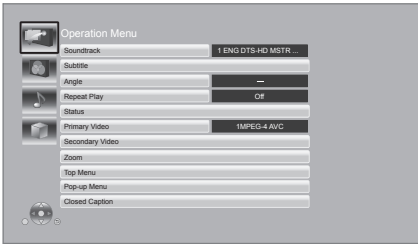
2   Select an item and change the settings.

To exit the screen
Press [OPTION].

Regarding Language: (⇨ 44)

Operation Menu

■ **Soundtrack**
Show or change the soundtrack.

■ **Audio channel**
Select the audio channel number.

■ **Subtitle**
Change the subtitle settings.

■ **Angle**
Select the number of the angle.

■ **Repeat Play**
Select the item that you want to repeat.
- You can repeat the playback of a chapter, playlist, the entire disc, etc., but the items displayed will differ depending on the type of the media.
- Select "Off" to cancel.

■ **Shuffle**
Select whether or not to play randomly.

■ **Start Slideshow**
Start the slideshow.

■ **Status**
Show the status messages.

■ **Rotate Right**
■ **Rotate Left**
Rotate the still picture.

■ **Wallpaper**
Set the still picture to the wallpaper of HOME menu. (⇨ 16)

■ **Icon Personalization**
Set the still picture as your user icon. (⇨ 17)

■ **Video**
The recording method of original video appears.

■ **Primary Video**
The recording method of original primary video appears.

■ **Secondary Video**

Video	Select on/off for images. The recording method of original video appears. • During search/slow motion or frame-by-frame, only the primary video is displayed.
Soundtrack	Select on/off for audio and the language.

■ **Zoom**
Videos and pictures are magnified.

■ **Top Menu**
Display Top Menu.

■ **Pop-up Menu**
Display Pop-up Menu.

■ **Menu**
Display Menu.

■ **Closed Caption** 👤 (⇨ 29)
You can only set "Manual setting" and "CC Reset" in the Setup menu.

Advanced operations

Video Settings

■ Picture Mode 🔒
Select the picture quality mode during play.
● If you select "User", you can change settings in "Picture Adjustment".

■ Picture Adjustment 🔒
Specific picture quality settings can be changed.

■ Progressive
Select the method of conversion for progressive output to suit the type of material being played.
● When the content is distorted, change the settings from "Auto" to "Video".

■ 24p
Movies and other material recorded on DVD-Video at 24p are output at 24p.
● Only when you "24p Output" is set to "On" (⇨ 27).

■ Reset to Default Video Settings
Return video settings to the factory defaults.

Audio Settings

"Surround Effects" and "Sound Effects" can also be set by using the [SOUND] on the remote control.

■ Surround Effects 🔒
Press [OK] to show the following settings:

➢ BD/DVD (Multi-ch Source):

2ch Stereo	You can play any source in stereo. Sound will be output to the front speakers and the subwoofer only.

➢ TV/CD (2ch Source):

Multi Channel Out	You can enjoy sound from the front speakers, as well as the surround speakers even when playing stereo sources.
Dolby Pro Logic II Movie	Suitable for movie software, or the one recorded in Dolby Surround.
Dolby Pro Logic II Music	Adds 5.1-channel effects to stereo sources.

■ Sound Effects 🔒
Press [OK] to show the following settings:

➢ Equalizer
You can select sound quality settings.

➢ Subwoofer
You can adjust the amount of bass.
Level 1 (Weakest effect) to **Level 4** (Strongest effect)
● Levels can be set by source.

➢ Whisper-Mode Surround
You can enhance the surround effect for low volume sound. (Convenient for late night viewing.)

● Not every effect can be set individually.
● The sound effects may not be available or have no effect with some sources.
● You may experience a reduction in sound quality when these sound effects are used with some sources. If this occurs, turn the sound effects off.

3D Settings

■ Distance
Set the amount of depth perception.

■ Pop-Out Level 🔒
3D position for the Option menu or message screen, etc. can be adjusted during 3D playback.

Setup menu

Change the unit's settings if necessary. The settings remain intact even if you switch the unit to standby.

Some items are common to the Option menu. You can get the same effect with both menus.

About Multi User Mode

👤 : Settings of the items with this indication are saved by the respective users registered in the HOME menu. (⇨ 17)

1   While displaying the HOME menu, press [SETTINGS].
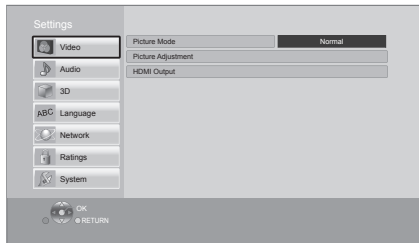
2   Select an item and change the settings.

To exit the screen
Press [HOME].

Video

■ **Picture Mode** 👤 (⇨ 26)

■ **Picture Adjustment** 👤 (⇨ 26)

■ **HDMI Output**
Press [OK] to show the following settings:

➢ **HDMI Resolution**
The items supported by the connected devices are indicated on the screen as "✳". When any item without "✳" is selected, the images may be distorted.
● If "Auto" is selected, the best suited output resolution to the connected TV is automatically selected.
● To enjoy high-definition video up-converted to 1080p, you need to connect the unit directly to 1080p compatible HDTV (High Definition TV). If this unit is connected to an HDTV through other equipment, the other equipment must also be 1080p compatible.

➢ **24p Output**
When this unit is connected to a TV supporting 1080/24p output, movies and other material recorded at 24p* are output at 24p.
● When playing DVD-Video, set to "On" and then set "24p" in "Video Settings" (⇨ 26) to "On".
● When BD-Video/DVD-Video images other than 24p are played, images are output at 60p.

➢ **Deep Color Output**
This setting is for selecting whether to use Deep Color Output when a TV that supports Deep Color is connected.

➢ **Contents Type Flag**
Depending on the playback content, the TV will output adjusting to the optimal method when a TV that supports this function is connected.

---

*   A progressive image recorded at a rate of 24 frames per second (motion-picture film). Many BD-Video movie contents are recorded in 24 frames/second in accordance with the film materials.

Advanced operations

Audio

■ Surround Effects 👤 (⇨ 26)

■ Sound Effects 👤 (⇨ 26)

■ Dynamic Range Compression
You can listen at low volumes but still hear dialogue clearly.
(Dolby Digital, Dolby Digital Plus and Dolby TrueHD only)
● "Auto" is effective only when playing Dolby TrueHD.

■ Digital Audio Output
Press [OK] to show the following settings:

➢ **Dolby D/Dolby D +/Dolby TrueHD**
➢ **DTS/DTS-HD**
Select the audio signal to output.
● Select "PCM", when the connected equipment cannot decode the respective audio format. This unit decodes the audio format and transmits to the connected equipment.
● If you do not make proper settings the audio may be static or noisy.

➢ **BD-Video Secondary Audio**
Select whether or not to mix the primary and secondary audio (including the button click sound).
If "Off" is selected, the unit outputs the primary audio only.

➢ **HDMI Audio Output**
This setting selects whether or not to output audio from HDMI.

■ TV Audio Input
Select the TV audio input to work with the HDMI CEC operations.

■ Downmix
Select the downmix system of multi-channel to 2-channel sound.
● Select "Surround encoded" to enjoy the surround sound.
● There is no downmix effect on the bitstream audio signal.
● The audio will be output in "Stereo" in the following cases:
  – AVCHD playback
  – Dolby TrueHD playback
  – Playback of secondary audio (including the button click sound).

■ Audio Delay
Synchronization between picture and sound is corrected by adjusting the delay time of the audio output.

■ Speaker
Press [OK] to show the following settings:

➢ **Speaker Distance**
Set the distance between each speaker and the seating position.
● If you set "Test Tone" to "On", each speaker will output a test signal sound in sequence.

➢ **Speaker Level**
Set the volume of each speaker.
● If you set "Test Tone" to "On", each speaker will output a test signal sound in sequence.

3D

■ 3D BD-Video Playback
Select the playback method of 3D compatible video software.

■ 3D Playback Precautions
Set to display or hide the 3D viewing warning screen when playing back the 3D compatible video software.

■ Pop-Out Level 👤 (⇨ 26)

Language

■ Audio Language
Choose the language for audio.

- If "Original" is selected, the original language of each disc will be selected.
- Enter a code (⇨ 44) when you select "Other ✳✳✳✳".

■ Subtitle Language
Choose the language for the subtitle.

- If "Auto" is selected and the language selected for "Audio Language" is not available, subtitles of that language will automatically appear if available on that disc.
- Enter a code (⇨ 44) when you select "Other ✳✳✳✳".

■ Menu Language
Choose the language for the disc menus.

- Enter a code (⇨ 44) when you select "Other ✳✳✳✳".

■ Subtitle Text
Select a desired item according to the language used for MKV subtitles text.

- This item is displayed only after playing back a file.

■ On-screen Language
Choose the language for menus and on-screen messages.

■ Closed Caption
Closed captioning services are dependent on contents, and the unit can display closed captions of both digital and analog types.
Press [OK] to show the following settings:

➢ Closed Caption Display 🔳
Set whether or not to display closed captions.

➢ Closed Caption Type 🔳
Select the closed caption type that matches the one of the content to be played back.

➢ Analog CC 🔳
Select the channel of analog closed captions.

➢ Digital CC 🔳
Select the channel of digital closed captions.

➢ Manual setting 🔳
Set the display style of closed captions.

➢ CC Reset
Restore the default "Closed Caption" settings.

Network

■ Easy Network Setting (⇨ 13)

■ Network Settings
Perform network-related settings individually.
Press [OK] to show the following settings:

➢ LAN Connection Mode
Select the LAN connection method.

➢ Wireless Settings
This allows the wireless router and connection settings to be set up. Current connection settings and connection state can be checked.
Press [OK] to show the following settings:

Connection Setting
The wireless router connection wizard will be displayed.

Double Speed Mode Setting (2.4GHz)
Set the connection speed for a 2.4 GHz wireless format.

- If you connect using the "Double Speed Mode (40MHz)", 2 channels use the same frequency band, and there is consequently a greater risk of reception interference. This can cause the connection speed to drop or become unstable.

➢ IP Address/DNS Settings
This is for checking the state of the network connection and setting the IP address and DNS-related.
Press [OK] to show the respective setting.

➢ Proxy Server Settings
This is for checking the state of connection with the Proxy server and performing settings.
Press [OK] to show the respective setting.

Advanced operations

➢**Network Service Settings (⇨ 24)**
Press [OK] to show the following settings:

Time Zone
Set the unit's time to match your location.
● Some Network Service contents require the time zone to be set. Set time zone if necessary.

DST
Select "On" when using Daylight Saving time.

➢**Remote Device Settings (⇨ 24)**
Press [OK] to show the following settings:

Remote Device Operation
Enable to operate the unit by a smartphone, etc.
● If "On" is selected, "Quick Start" will be activated.

Setting Unit Name
Set the name of this unit to be displayed on the connected equipment.
● BTT466 BTT465 : With the default setting, the unit name will be displayed as "SC-BTT465".

➢**BD-Live Internet Access (⇨ 19)**
You can restrict Internet access when BD-Live functions are used.
● If "Allow (Limited)" is selected, Internet access is permitted only for BD-Live contents which have content owner certificates.

Ratings

The following items use the same password. Don't forget your password.

■ DVD-Video Ratings
Set a rating level to limit DVD-Video play.

■ BD-Video Ratings
Set an age limit of BD-Video play.

■ Network Service Lock
You can restrict the usage of Network Service.

System

■ Easy Settings
You can execute basic settings.

■ Display Settings
Press [OK] to show the following settings:

➢**TV Aspect**
Set to match the type of TV connected.
When connected to a 4:3 aspect TV and playing 16:9 ratio image:

4:3 Pan & Scan	The sides are cut off so the picture fills the screen. When playing BD-Video, video is output as "4:3 Letterbox".	
4:3 Letterbox	Black bands appear at the top and bottom of the picture.	

When connected to a 16:9 widescreen TV and playing 4:3 ratio image:

16:9	Video is displayed as a 4:3 ratio image in the center of the screen.
16:9 Full	Video is displayed as a horizontally stretched 16:9 image.

➢**Screen Saver Function**

This is to prevent image retention on the screen.

● When this is set to "On":
  If a list of playback content is displayed and there is no operation for 10 minutes or more, the screen switches to HOME menu automatically.
● While playing and pausing, etc., this function is not available.

➢**Status Messages**

Choose whether to show status messages automatically.

➢**HDMI CEC**

Set to use "HDMI CEC" function when connected via HDMI cable to a device that supports "HDMI CEC".

● Select "Off" when you do not want to use "HDMI CEC".

➢**Power Off Link**

Select the desired power off link setting of this unit for "HDMI CEC" operation (⇨ 22). (This works depending on the settings of the connected "HDMI CEC" compatible equipment.)

　Video/Audio
　When the TV is turned off, this unit will turn off automatically.
　Video
　When playing back audio only content, the unit will not turn off automatically.

■ **Unit Settings**

Press [OK] to show the following settings:

➢**Mixed Data Disc Option**

Select the playback contents on discs with both data files and Video.

● If "MP3/JPEG/MKV" is selected, data file can be played back.
● If "BDAV/AVCHD" is selected, BDAV and AVCHD can be played back.

➢**Front Panel Display**

Changes the brightness of the unit's display.

● If "Auto" is selected, the display is set to bright and only dimmed during playback.

➢**Edit User Information**

Change the user information registered in the HOME menu.

■ **Start-up Banner**

Select whether to display the banner after turning on this unit. (⇨ 16)

■ **Bluetooth Standby Mode**

The unit turns on automatically from standby mode when you connect a registered Bluetooth® device.

Advanced operations

VQT5F60 **31**

■ **Quick Start**

Speed of start up from standby mode is increased.

- When set to "On", the internal control unit will be powered and the idle power consumption will increase so compared to when set to "Off".

■ **Firmware Update (⇨ 14)**

Press [OK] to show the following settings:

➢**Automatic Update Check**

When this equipment remains connected to the Internet, it will check for the latest firmware version when it is turned on and you can update it if necessary.

➢**Update Now**

You can update the firmware manually if a firmware update is available.

■ **System Information**

Press [OK] to show the following settings:

➢**License**

Information about the software used by this unit is displayed.

➢**Firmware Version Information**

Display firmware version of this unit and wireless LAN module.

■ **Restore Default Settings**

This returns all values in the Setup menu and the Option menu to the default settings, except for some settings of network, ratings, on-screen language, etc.

Speaker installation option

Consult a qualified building contractor when attaching the speakers to a wall. Improper attachment may result in damage to the wall and speakers and personal injury.

Attaching to a wall

You can attach all of the speakers (except subwoofer) to a wall.
- The wall or pillar on which the speakers are to be attached should be capable of supporting 10 kg (22 lbs) per screw.

1 Drive a screw (not supplied) into the wall.

Ⓐ At least 30 mm ($1 \, ^3/_{16}''$)

Ⓑ ⌀ 4.0 mm ($^5/_{32}''$)

Ⓒ ⌀ 7.0 mm to ⌀ 9.4 mm ($^9/_{32}''$ to $^3/_8''$)

Ⓓ Wall or pillar

Ⓔ 5.5 mm to 7.5 mm ($^7/_{32}''$ to $^5/_{16}''$)
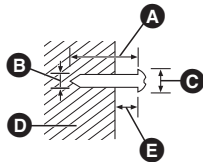
2 Fit the speaker securely onto the screw(s) with the hole(s).

e.g., Surround speaker	
DO NOT	**DO**
● In this position, the speaker will likely fall if moved to the left or right.	● Move the speaker so that the screw is in this position.

Screwing positions on the wall

Use the measurements indicated below.
- Leave at least 20 mm ($^{25}/_{32}''$) of space above the speaker and 10 mm ($^{13}/_{32}''$) on each side to allow enough space for fitting the speaker.

CENTER

Ⓐ 14 mm ($^9/_{16}''$)

Ⓑ 65 mm ($2 \, ^9/_{16}''$)

Ⓒ 175 mm ($6 \, ^{29}/_{32}''$)
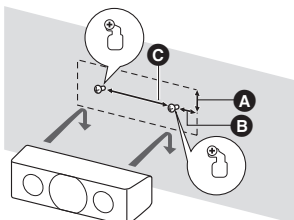
BTT466 BTT465 **FRONT**

Attach to a wall without the base and the stand.
- Before using the speaker cable, remove it from the stand by pulling it out.
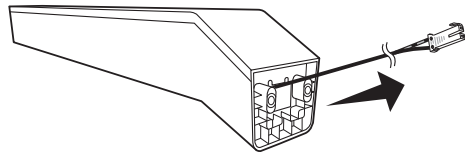
Ⓓ 45 mm ($1 \, ^{25}/_{32}''$)

Ⓔ 53 mm ($2 \, ^3/_{32}''$)

Ⓕ 266 mm ($10 \, ^1/_2''$)
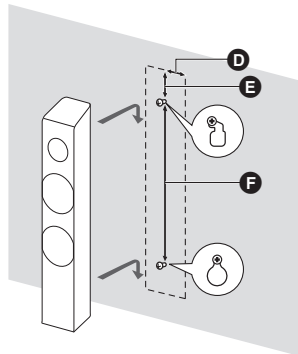
- Reattaching the speaker cable to the stand

  Straighten the cable and run through the stand. Pull out the cable through the hole.

160 mm ($6 \, ^5/_{16}''$)
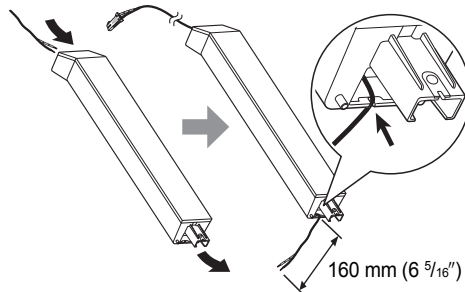
BTT466 BTT465 **SURROUND**
BTT405 **FRONT, SURROUND**

Ⓖ 42 mm ($1 \, ^{21}/_{32}''$)

Ⓗ 45 mm ($1 \, ^{25}/_{32}''$)
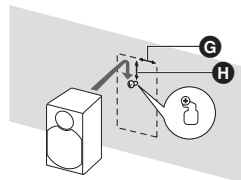
To prevent tipping/falling of the speakers

Secure the speaker.
Using the tie down area on the rear of the speaker and a cord (not supplied), secure the speaker to a wall anchor (not supplied) permanently attached to the wall.

1 **Thread a cord to the speaker.**

- Use a cord of less than $\varnothing$ 2.0 mm ($^3/_{32}''$), which is capable of supporting over 10 kg (22 lbs).

e.g., BTT466 BTT465 Front speaker
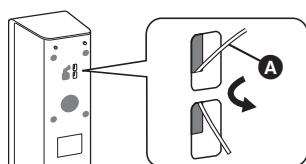
Ⓐ Cord (not supplied)

2 **Thread a cord from the wall to the speaker and tie tightly.**

When placed on the floor

When mounted on a wall
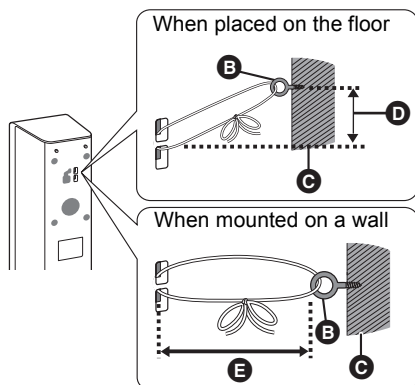
Ⓑ Wall anchor (not supplied)
Ⓒ Wall or pillar
Ⓓ Approx.150 mm (6″)
Ⓔ Approx.100 mm (4″)

Troubleshooting guide

Before requesting service, please perform the following steps.

■ Unit does not respond to remote control or unit's buttons.

Disconnect AC power supply cord, wait 1 minute, then reconnect AC power supply cord.

Do you have the latest firmware installed?
Panasonic is constantly improving the unit's firmware to ensure that our customers are enjoying the latest technology. (⇨ 14)
▼
Make the following checks and visit our website for more information.
www.panasonic.com/support
Enter the model number.
▼
Or visit our website to find a service center.
You can find a service center near you easily on our website.

Other support information:
"Customer Services Directory (United States and Puerto Rico)" (⇨ 47).

The following do not indicate a problem with this unit:
– Regular disc rotating sounds.
– Image disturbance during search.
– Image disturbance when replacing 3D discs.

■ Cannot eject disc.
① Turn the unit on.
② Press and hold [OK], the yellow button and the blue button on the remote control at the same time for more than 5 seconds.
   −"00rEt" is displayed on the unit's display.
③ Press [▶] (right) repeatedly on the remote control until "06FtO" is displayed on the unit's display.
④ Press [OK].

General operation

To return to the factory defaults.
➢ Select "Yes" in "Restore Default Settings" in the Setup menu. (⇨ 32)

To return all settings to the factory preset.
➢ Reset the unit as follows:
① Turn the unit on.
② Press and hold [OK], the yellow button and the blue button on the remote control at the same time for more than 5 seconds.
   −"00rEt" is displayed on the unit's display.
③ Press [▶] (right) repeatedly on the remote control until "08FIn" is displayed on the unit's display.
④ Press and hold [OK] for at least 5 seconds.

The remote control does not work properly.
➢ Change the batteries in the remote control. (⇨ 9)
➢ Depending on the condition of the unit, [SELECTOR] and [🐝] may not respond. Display the HOME menu and try again.

The TV tuner mode is not displayed when the TV is turned on.
➢ This phenomenon may occur, depending on the TV setting, when "Quick Start" is set to "On".

You have forgotten your ratings password. You want to cancel the ratings level.
➢ The ratings level returns to the factory defaults.
① Turn the unit on.
② Press and hold [OK], the yellow button and the blue button on the remote control at the same time for more than 5 seconds.
   −"00rEt" is displayed on the unit's display.
③ Press [▶] (right) repeatedly on the remote control until "03 VL" is displayed on the unit's display.
④ Press [OK].

Advanced operations

Reference

The TV screen turns black.

➢ When "24p Output" is set to "On", HDMI authentication takes place and a black screen is displayed.

This unit does not recognize the USB connection correctly.

➢ Disconnect and re-connect the USB cable. If it still does not recognize the connection, turn this unit off and on again.
➢ USB devices may not be recognized by this unit when connected using the following :
  − a USB hub
  − a USB extension cable other than the supplied with the Wireless LAN Adaptor DY-WL5 (optional)
➢ If you connect USB HDD to this unit, use the USB cable that is supplied with the HDD.

The unit switches to standby mode.

➢ This unit will automatically turn to standby mode after 30 minutes if it is inactive. (⇨ 16)
➢ When the time set for the sleep timer has passed, the main unit will be turned off. (⇨ 9)
➢ One of the unit's safety devices is activated. Press [⏻/I] on the main unit to turn the unit on.

Picture

The images from this unit do not appear on the TV.
Picture is distorted.
Jittering occurs.

➢ An incorrect resolution is selected in "HDMI Resolution". Reset the setting as follows:
① Turn the unit on.
② Press and hold [OK], the yellow button and the blue button on the remote control at the same time for more than 5 seconds.
  − "00rEt" is displayed on the unit's display.
③ Press [▶] (right) repeatedly on the remote control until "04PrG" is displayed on the unit's display.
④ Press and hold [OK] for at least 5 seconds. Set the item again. (⇨ 27)
  − When Dolby Digital Plus, Dolby TrueHD, and DTS-HD® audio are not output properly, select "Yes" in "Restore Default Settings" (⇨ 32) and make proper settings.
➢ When "3D BD-Video Playback" in the Setup menu is set to "Auto", images may not be output depending on the connection method. After removing the disc from this unit, select "Set before play" in the Setup menu, and select "2D Playback" in the setup screen displayed when playing 3D discs. (⇨ 28)
➢ If irregular coloring occurs on your TV, turn the TV off for about 30 minutes. If it persists, move the speakers further away from the TV.

Video is not output in high-definition.

➢ Confirm that "HDMI Resolution" in the Setup menu is set properly. (⇨ 27)

3D video is not output.

➢ Connect to a full high-definition TV.
➢ Are the settings on this unit and the TV correct? (⇨ 19)
➢ Depending on the connected TV, the video being played back might switch to 2D video due to changes in resolution etc. Check the 3D setting on the TV.
➢ Check that proper HDMI video input is selected on the TV.

3D video is not output correctly as 2D.

➢ Select "Set before play" in the Setup menu, and select "2D Playback" in the setup screen displayed when playing 3D discs. (⇨ 28, "3D BD-Video Playback")
➢ Discs that have recorded titles with Side by side (2 screen structure) and that can be enjoyed in 3D are played back in accordance with the settings of the TV.

Closed captions are not displayed.

➢ Confirm that the source content supports CC.
➢ Confirm the "Closed Caption Display" is set to "On". (⇨ 25, 29)
➢ Change the "Closed Caption Type" setting. (⇨ 25, 29)
➢ Confirm the "Analog CC" or "Digital CC" is set properly (⇨ 25, 29).

A black band is displayed around the edge of the screen.
The aspect ratio of the screen is abnormal.

➢ Confirm the "TV Aspect" is set properly. (⇨ 30)
➢ Adjust the aspect setting on the TV.

Audio

No sound.
Low volume.
Distorted sound.
Cannot hear the desired audio type.

➢ Check connections to speakers and other equipment.
➢ Ensure the speaker settings for your speakers are correct. (⇨ 28)
➢ To output audio from a device connected with an HDMI cable, set "HDMI Audio Output" to "On" in the Setup menu. (⇨ 28)
➢ When "BD-Video Secondary Audio" is set to "On", Dolby TrueHD, Dolby Digital Plus, DTS-HD Master Audio™ and DTS-HD High Resolution Audio™ are output as DTS Digital Surround™.
➢ Depending on the connected equipment, the sound may be distorted if this unit is connected with an HDMI cable.
➢ The multi-channel audio from a device connected to the TV is not output in it's original multi-channel form.
  − If the device has an optical audio output terminal, connect the device to this unit's DIGITAL AUDIO IN terminal. (⇨ 11)

No surround sound.

➢ Press [SOUND] to select a surround effect. (⇨ 26)

Cannot switch audio.

➢ When audio is output from the HDMI AV OUT terminal, set "Dolby D/Dolby D +/Dolby TrueHD" or "DTS/DTS-HD" to "PCM". (⇨ 28)

No sound from the TV.

➢ Press [SELECTOR] to select the corresponding source. (⇨ 15)
➢ Check whether the HDMI terminal on the TV is labeled "HDMI (ARC)". If not labeled in this way, connect using the HDMI cable in combination with an optical digital audio cable.
➢ If there is no sound from the equipment connected to this unit's DIGITAL AUDIO IN terminal, please make sure that the optical audio output of the equipment is set to PCM.

Reference

Playback

Disc cannot be played.
➢ The disc is dirty. (⇨ 6)
➢ The disc is not finalized. (⇨ 8)
➢ Confirm the "Mixed Data Disc Option" is set properly. (⇨ 31)

Still pictures (JPEG) do not play back normally.
➢ The images that were edited on the PC, such as Progressive JPEG, etc., may not be played back.

I can't play back BD-Live.
➢ Confirm that this unit is connected to the broadband Internet. (⇨ 12)
➢ Confirm the "BD-Live Internet Access" settings. (⇨ 30)
➢ Confirm a USB device is connected to the USB port. (⇨ 15)
➢ Connect this unit to the network by a wired connection.

Alternative soundtrack and subtitles cannot be selected.
➢ The languages are not recorded on the disc.
➢ You may not be able to use the Option menu to change the soundtrack and subtitles on some discs. Use the disc's menus to make changes. (⇨ 19)

Bluetooth®

Pairing cannot be done.
➢ Check the Bluetooth® device condition.

The device cannot be connected.
➢ Try pairing the device again.
➢ 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 "Panasonic BTT" manually. Read the owner's manual for the device for details.

The sound is interrupted.
➢ The communication range is 10 m (33 ft.). Bring the Bluetooth® device closer to the main unit.
➢ 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.

The One-Touch Connection (NFC feature) is not working.
➢ Turn on the NFC feature of the device.
➢ Depending on the condition of the unit, the NFC touch area may not respond. Display the HOME menu and try again.
➢ Depending on the device, the NFC feature may not function correctly. In such cases, start up the Bluetooth® feature of the device to set up a connection with it.

Radio

Distorted sound or noise is heard.
➢ Adjust the position of the antenna.

A beat sound is heard.
➢ Try to keep a certain amount of distance between the antenna and the TV.

Stations cannot be selected.
➢ Press and hold [SELECTOR].

After a few seconds the display changes to show the current lowest frequency (87.9 MHz). Continue to hold the button down. The lowest frequency changes (87.5 MHz) and the step is changed.

Noise is excessive.
➢ Change the audio to be output as monaural. Press [AUDIO] to select "MnO".

∏∏∏ MONO

The sound becomes monaural.
● To cancel, press the button again or change the frequency.

In normal circumstances, select "AUtO StErEO".

AUtO StErEO AUTO STEREO

Network

I can't connect to the network.
➢ Confirm the network connection and settings. (⇨ 12, 13, 29)
➢ There may be interference that prevents the unit from detecting your home network. Place the unit and the wireless router closer to each other. This unit may be able to detect your network name (⇨ 14, "SSID").
➢ Check the owner's manual for each device and connect accordingly.

When using wireless LAN connection, video frames are dropped during playback.
➢ Higher transfer rate router such as 802.11n (2.4 GHz) wireless router may solve the problem. If you use 802.11n (2.4 GHz) wireless router, it is necessary to set the encryption type to "AES".
Simultaneous use with a microwave, cordless telephone etc. at 2.4 GHz may result in connection interruptions or other problems.
➢ On the "Wireless Settings" screen (⇨ 29), the continuous lighting of at least 4 "Reception" indicators is the target for a stable connection. If 3 or fewer indicators are lit or the connection is being interrupted, change the position or angle of your wireless router and see if the connection state improves. If there is no improvement, connect to a wired network and perform the "Easy Network Setting" (⇨ 13) again.

Messages on the screen

Cannot play.
➢ You inserted an incompatible disc (Discs recorded in PAL video, etc.).

Cannot display on this unit.
➢ You tried to play a non-compatible image.
➢ Re-insert the media.

No disc inserted.
➢ The disc may be upside down.

🚫 **This operation is not available.**
➢ Some operations are unsupported by the unit. (For example, reverse slow motion, etc.)

IP address is not set.
➢ The "IP Address" in "IP Address/DNS Settings" is "---. ---. ---. ---". Set the "IP Address", "Subnet Mask", and "Default Gateway". (Select the automatic address acquisition if necessary.)

The current wireless network security setting is weak. It is recommended to change to a stronger security setting.
➢ Set a stronger network security level referring to the wireless router owner's manual.

Messages on the unit's display

U59
➢ Temperature of this unit is hot and the unit switches to standby for safety reasons. Wait for about 30 minutes until the message disappears.
Install or place this unit with good ventilation.

H□□ or F□□
(" □ " stands for a number.)
➢ Check and correct the speaker cable connections.
➢ There is something unusual.
➢ Check the unit using the troubleshooting guide. If the service number remains displayed, do the following.
① Disconnect the plug from the AC outlet, wait a few seconds, then reconnect it.
② Press [⏻/I] to turn the unit on.

If the service number remains displayed despite doing the above, request service from the dealer. Inform the dealer of the service number when requesting service.

Unit's display list

This list only contains displays that are difficult to read.

Display	Reading	Display	Reading
bYE	BYE	OPEn	OPEN
rEAd	READ	PLAY	PLAY
StOP	STOP	SEtUP	SETUP
Photo	PHOTO	SLidE	SLIDE
dISC	DISC	USb	USB
AUX	AUX	ARC	ARC
d-In	D-IN	FM	FM
BLUEtootH	BLUETOOTH	SEtOK	SET OK
tUnEd StErEO	TUNED STEREO	nEt	NET
		FIn	FIN (Finish)
Error	ERROR	- - - - -	No DISC, No PLAY, No READ, UNSUPPORT
MUtE	MUTE		

Specifications

GENERAL

Power consumption	BTT466 BTT465 Approx. 85 W BTT405 Approx. 54 W
Power consumption in standby mode	Approx. 0.5 W
Power supply	AC 120 V, 60 Hz
Dimensions (W×H×D)	430 mm × 55 mm × 322 mm (16 ^{15}/$_{16}$″ × 2 ^{3}/$_{16}$″ × 12 ^{11}/$_{16}$″)
Mass (Weight)	BTT466 BTT465 Approx. 2.7 kg (6 lbs) BTT405 Approx. 2.6 kg (5.8 lbs)
Operating temperature range	0 °C to 40 °C (32 °F to 104 °F)
Operating humidity range	35 % to 80 % RH (no condensation)
LASER Specification	**Class I LASER Product** **Wave length:** 790 nm (CDs)/ 658 nm (DVDs)/405 nm (BDs) **Laser power:** No hazardous radiation is emitted with the safety protection

AMPLIFIER SECTION

RMS TOTAL POWER OUTPUT BTT466 BTT465	1000 W
	1 kHz, 30 % total harmonic distortion
	FRONT: 167 W per ch (4 Ω)
	CENTER: 167 W (4 Ω) SURROUND: 167 W per ch (4 Ω)
	55 Hz, 30 % total harmonic distortion
	SUBWOOFER: 167 W (4 Ω)
RMS TOTAL POWER OUTPUT BTT405	600 W
	1 kHz, 30 % total harmonic distortion
	FRONT: 100 W per ch (4 Ω)
	CENTER: 100 W (4 Ω) SURROUND: 100 W per ch (4 Ω)
	55 Hz, 30 % total harmonic distortion
	SUBWOOFER: 100 W (4 Ω)

FTC TOTAL POWER OUTPUT BTT466 BTT465	430 W
	300 Hz to 20 kHz, 1.0 % total harmonic distortion
	FRONT: 55 W per ch (4 Ω) (LR both channels driven)
	CENTER: 80 W (4 Ω) SURROUND: 80 W per ch (4 Ω)
	40 Hz to 90 Hz, 1.0 % total harmonic distortion
	SUBWOOFER: 80 W (4 Ω)
FTC TOTAL POWER OUTPUT BTT405	240 W
	300 Hz to 20 kHz, 1.0 % total harmonic distortion
	FRONT: 30 W per ch (4 Ω) (LR both channels driven)
	CENTER: 45 W (4 Ω) SURROUND: 45 W per ch (4 Ω)
	40 Hz to 90 Hz, 1.0 % total harmonic distortion
	SUBWOOFER: 45 W (4 Ω)
Audio Input	AUX × 1
Digital Audio Input	Optical × 1
	Sampling frequency: 32 kHz, 44.1 kHz, 48 kHz
	Audio Format: PCM, Dolby Digital, DTS®

SPEAKER SECTION

	Woofer CONE TYPE	Full range CONE TYPE	Super tweeter Piezo type
BTT466 BTT465			
Front	–	6.5 cm (2 ^{1}/$_2$″)	×1
Center	–	6.5 cm (2 ^{1}/$_2$″)	×2
Surround	–	6.5 cm (2 ^{1}/$_2$″)	×1
Subwoofer	16 cm (6 ^{1}/$_2$″)	–	–
BTT405			
Front	–	6.5 cm (2 ^{1}/$_2$″)	×1
Center	–	6.5 cm (2 ^{1}/$_2$″)	×2
Surround	–	6.5 cm (2 ^{1}/$_2$″)	×1
Subwoofer	16 cm (6 ^{1}/$_2$″)	–	–

	Dimensions (W×H×D)	Mass (Weight)
BTT466 BTT465		
Front	270 mm×1181 mm×270 mm (10 ^{5}/$_8$″×46 ^{1}/$_2$″×10 ^{5}/$_8$″)	Approx. 2.7 kg (5.96 lbs)
Center	304 mm×87 mm×77 mm (11 ^{31}/$_{32}$″×3 ^{7}/$_{16}$″×3 ^{1}/$_{32}$″)	Approx. 0.7 kg (1.55 lbs)
Surround	83 mm×141 mm×75 mm (3 ^{9}/$_{32}$″×5 ^{9}/$_{16}$″×2 ^{15}/$_{16}$″)	Approx. 0.5 kg (1.11 lbs)
Subwoofer	156 mm×290 mm×263 mm (6 ^{5}/$_{32}$″×11 ^{13}/$_{32}$″×10 ^{11}/$_{32}$″)	Approx. 3.4 kg (7.50 lbs)
BTT405		
Front	83 mm×141 mm×75 mm (3 ^{9}/$_{32}$″×5 ^{9}/$_{16}$″×2 ^{15}/$_{16}$″)	Approx. 0.5 kg (1.11 lbs)
Center	304 mm×87 mm×77 mm (11 ^{31}/$_{32}$″×3 ^{7}/$_{16}$″×3 ^{1}/$_{32}$″)	Approx. 0.7 kg (1.55 lbs)
Surround	83 mm×141 mm×75 mm (3 ^{9}/$_{32}$″×5 ^{9}/$_{16}$″×2 ^{15}/$_{16}$″)	Approx. 0.5 kg (1.11 lbs)
Subwoofer	156 mm×290 mm×263 mm (6 ^{5}/$_{32}$″×11 ^{13}/$_{32}$″×10 ^{11}/$_{32}$″)	Approx. 3.4 kg (7.50 lbs)

● The impedance of all the speakers is 4 Ω.

TERMINAL SECTION

USB slot	USB2.0 1 system
Ethernet	10BASE-T/100BASE-TX 1 system

Bluetooth® SECTION

Bluetooth®	Version 4.0
	Class 2
	2.4 GHz Band FH-SS
	Supported Profile: A2DP/AVRCP
	Supported Codec: SBC/AAC

FM TUNER SECTION

Frequency range	87.9 MHz to 107.9 MHz (200 kHz step), 87.5 MHz to 108.0 MHz (100 kHz step)
Antenna terminals	1 with Antenna Cable (1.2 m)

VIDEO SECTION

Signal system	NTSC
HDMI AV output*	Output connector: Type A (19 pin) 1 system

* This unit supports "HDMI CEC" function.

Specifications are subject to change without notice.

File format

File format	Extension	Reference
MKV	".MKV", ".mkv" **Subtitles text file** ".SRT", ".srt", ".SSA", ".ssa", ".ASS", ".ass"	● The video file and subtitles text file are inside the same folder, and the file names are the same except for the file extensions. ● Some MKV files may not be played back correctly, depending on the video resolution, frame rate condition, subtitle format and so on.
mp4 (H.264+AAC)	".MP4", ".mov"	Some mp4/MPEG files may not be played back correctly, depending on the video resolution, frame rate condition and so on.
MPEG (TS/PS)	".mpg", ".mpeg", ".m2ts", ".mts", ".ts"	
JPEG	".JPG", ".jpg", ".jpeg"	● MOTION JPEG and Progressive JPEG are not supported. ● You may not be able to play back the file if you have edited the folder structure or the file name on a PC or other device.
MP3	".MP3", ".mp3"	This unit supports ID3 tags, but only titles, artist names and album names can be displayed.
FLAC	".FLAC", ".flac"	Maximum sampling rate: 192 kHz/24 bit
WAV	".WAV", ".wav"	Maximum sampling rate: 192 kHz/24 bit
MPO	".MPO", ".mpo"	3D still picture
AAC	".M4A", ".m4a", ".AAC", ".aac"	This unit supports ID3 tags. Maximum sampling rate: 48 kHz/320 kbps
WMA	".WMA", ".wma"	This unit supports ID3 tags. Maximum sampling rate: 48 kHz/355 kbps

● With certain recording states and folder structures, the play order may differ or playback may not be possible.

Display languages list

Display	Language	Display	Language	Display	Language
ENG	English	JPN	Japanese	ARA	Arabic
FRA	French	CHI	Chinese	HIN	Hindi
DEU	German	KOR	Korean	PER	Persian
ITA	Italian	MAL	Malay	IND	Indonesian
ESP	Spanish	VIE	Vietnamese	MRI	Maori
NLD	Dutch	THA	Thai	BUL	Bulgarian
SVE	Swedish	POL	Polish	RUM	Romanian
NOR	Norwegian	CES	Czech	GRE	Greek
DAN	Danish	SLK	Slovak	TUR	Turkish
POR	Portuguese	HUN	Hungarian	✱	Others
RUS	Russian	FIN	Finnish		

Language code list

Language	Code	Language	Code	Language	Code
Abkhazian:	6566	Gujarati:	7185	Rhaeto-Romance:	
Afar:	6565	Hausa:	7265		8277
Afrikaans:	6570	Hebrew:	7387	Romanian:	8279
Albanian:	8381	Hindi:	7273	Russian:	8285
Amharic:	6577	Hungarian:	7285	Samoan:	8377
Arabic:	6582	Icelandic:	7383	Sanskrit:	8365
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CAUTION- VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA21CFR / CLASS II (IIa)
CAUTION- CLASS 2 VISIBLE AND INVISIBLE LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. IEC60825-1 / CLASS 2
ATTENTION- RAYONNEMENT LASER VISIBLE ET INVISIBLE, CLASSE 2, EN CAS D' OUVERTURE. NE PAS REGARDER DANS LE FAISCEAU.

(Inside of product)

Reference

Contains FCC ID : ZVA04

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

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that is deemed to comply without maximum permissive exposure evaluation (MPE).

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.

FCC Caution: To assure continued compliance, follow the attached installation instructions and use only shielded interface cables when connecting to peripheral devices.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.

Declaration of Conformity
Trade Name: Panasonic
Model No.: SC-BTT405
          SC-BTT465
          SC-BTT466

Responsible Party:
Panasonic Corporation of North America
Two Riverfront Plaza, Newark, NJ 07102-5490

Support Contact: http://www.panasonic.com/contactinfo

Limited Warranty

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 Corporation 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
Blu-ray Disc Home Theater Sound System	1 Year	90 Days
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--Online Repair Request

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/support
or, contact us via the web at:
http://www.panasonic.com/contactinfo

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

Accessory Purchases (United States and Puerto Rico)

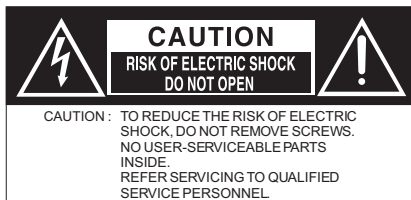Purchase Parts, Accessories and Owner's Manual online for all Panasonic Products by visiting our Web Site at:
http://www.pstc.panasonic.com
Or, send your request by E-mail to:
npcparts@us.panasonic.com
You may also contact us directly at:
1-800-237-9080 (Fax Only)
(Monday-Friday 9am-9pm EST)
Panasonic National Parts Center
20421 84th Avenue South, 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 November 2013

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 _____

User memo:
DATE OF PURCHASE _____
DEALER NAME _____
DEALER ADDRESS _____
_____
TELEPHONE NUMBER _____

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Bluetooth®