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# User manual

# **PHILIPS**

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# 1 Important

Read and understand all instructions before you use your product. If damage is caused by failure to follow instructions, the warranty does not apply.

## Help and support

Philips provides extensive online support. Visit our website at [www.philips.com/support](http://www.philips.com/support) to:

- download the user manual and the quick start guide
- watch video tutorials (available only for selected models)
- find answers to frequently answered questions (FAQs)
- email us a question
- chat with our support representative.

Follow the instructions on the website to select your language, and then enter your product model number.

Alternatively, you can contact Philips Consumer Care in your country. Before you contact Philips, note down the model number and serial number of your product. You can find this information on the back or bottom of your product.

## Important safety instructions

- **Read these instructions.**
- **Keep these instructions.**
- **Heed all warnings.**
- **Follow all instructions.**
- **Do not use this apparatus near water.**
- **Clean only with dry cloth.**
- **Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.**
- **Do not install near any heat sources** such as radiators, heat registers, stoves, or

other apparatus (including amplifiers) that produce heat.



- **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.
- **Protect the power cord** from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- **Only use attachments/accessories** specified by the manufacturer:



- **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.
- **Unplug this apparatus** during lightning storm or when unused for long periods of time.
- **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.
- **Battery usage CAUTION** - To prevent battery leakage which may result in bodily injury, property damage, or damage to the unit:

- Install **all** batteries correctly, + and - as marked on the unit.
- Do not mix batteries (**old and new** or **carbon and alkaline**, etc.).
- Remove batteries when the unit is not used for a long time.
- The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Perchlorate Material - special handling may apply. See [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).
- The product/remote control may contain a coin/button type battery, which can be swallowed. Keep the battery out of reach of children at all times! If swallowed, the battery can cause serious injury or death. Severe internal burns can occur within two hours of ingestion.
- If you suspect that a battery has been swallowed or placed inside any part of the body, seek immediate medical attention.
- When you change the batteries, always keep all new and used batteries out of reach of children. Ensure that the battery compartment is completely secure after you replace the battery.
- If the battery compartment cannot be completely secured, discontinue use of the product. Keep out of reach of children and contact the manufacturer.
- **Apparatus shall not be exposed to dripping or splashing.**
- **Do not place any sources of danger on the apparatus** (for example, liquid filled objects, lighted candles).
- This apparatus may contain lead and mercury. Dispose according to local, State or Federal laws. For disposal or recycling information, please contact your local authorities. For additional assistance on recycling options, please contact [www.mygreenelectronics.com](http://www.mygreenelectronics.com) or [www.eiae.org](http://www.eiae.org) or [www.recycle.philips.com](http://www.recycle.philips.com).
- Where the MAINS plug or an appliance coupler is used as the disconnect device,

the disconnect device shall remain readily operable.

- Do not place this apparatus on the furniture that is capable of being tilted by a child and an adult leaning, pulling, standing or climbing on it. A falling apparatus can cause serious injury or even death.
- This apparatus should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided. Make sure to leave a space of 7.8 inches (20cm) or more around this apparatus.

### Class II equipment symbol



This symbol indicates that the unit has a double insulation system.



This 'bolt of lightning' indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.



The 'exclamation point' calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

**WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, fully insert.

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## Care for your product

Use only microfiber cloth to clean the product.

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## Care of the environment



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused. Please visit [www.recycle.philips.com](http://www.recycle.philips.com) for additional information on a recycling center in your area.

Never dispose of your product with other household waste. Please inform yourself about the local rules on the separate collection of electrical and electronic products and batteries. The correct disposal of these products helps prevent potentially negative consequences on the environment and human health.

The batteries supplied do not contain the heavy metals mercury and cadmium. Nevertheless, in many areas batteries may not be disposed of with your household waste. Please ensure you dispose of batteries according to local regulations.

For perchlorate material, special handling may apply. Visit [www.dtsc.ca.gov/hazardouswaste/perchlorate](http://www.dtsc.ca.gov/hazardouswaste/perchlorate).

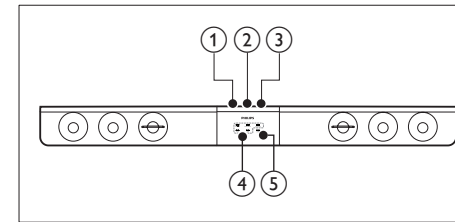
## 2 Your SoundBar

Congratulations on your purchase, and welcome to Philips! To fully benefit from the support that Philips offers, register your SoundBar at [www.philips.com/welcome](http://www.philips.com/welcome).

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### Main unit

This section includes an overview of the main unit.



- ① **⏻ (Standby-On/Standby indicator)**
  - Switch the SoundBar on or to standby.
  - When the SoundBar is in standby, the standby indicator turns red.
- ② **VOLUME +/-**  
Increase or decrease volume.
- ③ **SOURCE**  
Select an input source or Bluetooth mode for the SoundBar.
- ④ **Source indicators**
  - **AUDIO IN:** Lights up when you switch to AUDIO-IN source (3.5mm jack).
  - **BLUETOOTH:** Lights up when you switch to Bluetooth mode and Bluetooth devices are paired. Blinks when you switch to Bluetooth mode and Bluetooth devices are not paired.
  - **OPT/COAX:** Lights up when you switch to coaxial or optical input source. Blinks when an unsupported audio format is detected.

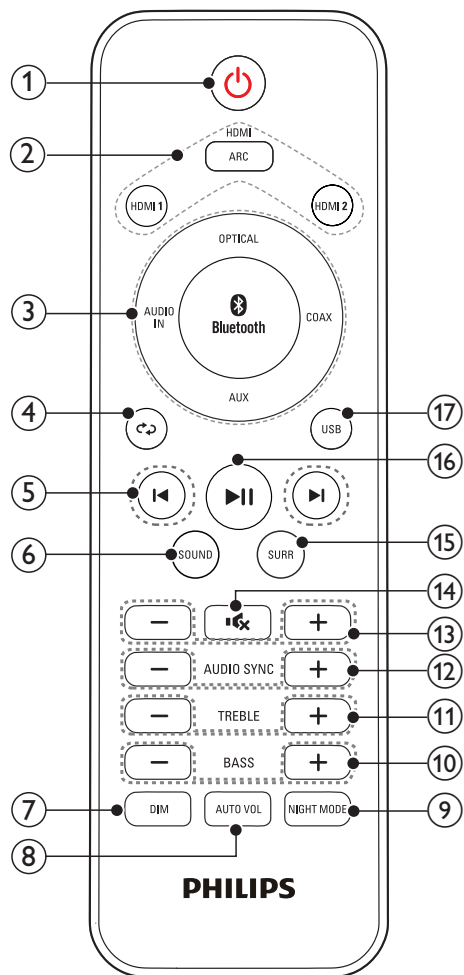
- **AUX:** Lights up when you switch to AUX input source.
- **USB:** Lights up when you switch to USB mode.

- ⑤ **SURR**
  - Lights up when surround mode is selected.
  - Off when stereo mode is selected.
  - Blinks once when night mode/auto volume is enabled.
  - Blinks twice when night mode/auto volume is disabled.
  - Blinks twice when Dolby Digital audio is input.

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### Remote control

This section includes an overview of the remote control.



- ① **⏻ (Standby-On)**
  - Switch the SoundBar on or to standby.
  - When EasyLink is enabled, press and hold for at least three seconds to switch all connected HDMI CEC compliant devices to standby.
- ② **HDMI selection**  
HDMI ARC/HDMI 1/HDMI 2: The function of those buttons is not available on this model.
- ③ **Source buttons**

- ④ **↻ (Repeat)**  
Select or turn off repeat/shuffle mode in USB mode.
- ⑤ **⏮ / ⏭ (Previous/Next)**  
Skip to the previous or next track in USB mode and Bluetooth mode (only for AVRCP-supported Bluetooth devices).
- ⑥ **SOUND**  
The function of this button is not available on this model.
- ⑦ **DIM**  
Set the brightness of SoundBar display panel.
- ⑧ **AUTO VOL**  
Turn auto volume on or off.
- ⑨ **NIGHT MODE**  
Turn night mode on or off.
- ⑩ **BASS +/-**  
Increase or decrease bass.
- ⑪ **TREBLE +/-**  
Increase or decrease treble.
- ⑫ **AUDIO SYNC +/-**  
The function of this button is not available on this model.
- ⑬ **+/- (Volume)**  
Increase or decrease volume.
- ⑭ **🔇 (Mute)**  
Mute or restore volume.
- ⑮ **SURR**  
Select surround or stereo sound. In HDMI in mode (connected via **HDMI IN 1** or **HDMI IN 2**), press and hold to

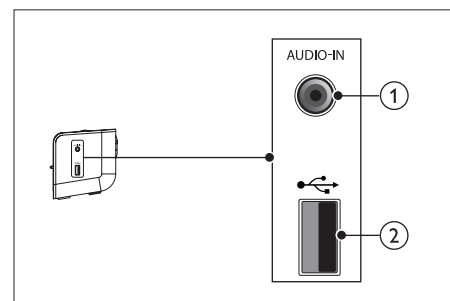
**OPTICAL:** Switch your audio source to the optical connection.  
**AUDIO IN:** Switch your audio source to the AUDIO-IN connection (3.5mm jack).  
**AUX:** Switch your audio source to the AUX connection.  
**COAX:** Switch your audio source to the AUX connection.  
**Bluetooth:** Switch to Bluetooth mode.

- ⑯ **⏸ (Play/Pause)**  
Start, pause or resume play in USB mode and Bluetooth mode (only for AVRCP-supported Bluetooth devices). Press and hold to stop play in USB mode.
- ⑰ **USB**  
Switch to USB mode.

## Connectors

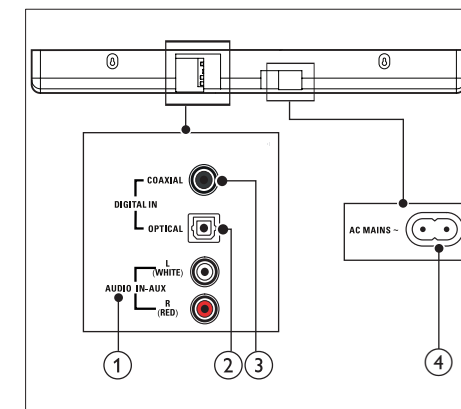
This section includes an overview of the connectors available on your SoundBar.

### Side connectors



- ① **AUDIO IN**  
Audio input from an MP3 player (3.5mm jack).
- ② **USB**  
Audio input from a USB storage device.

### Rear connectors



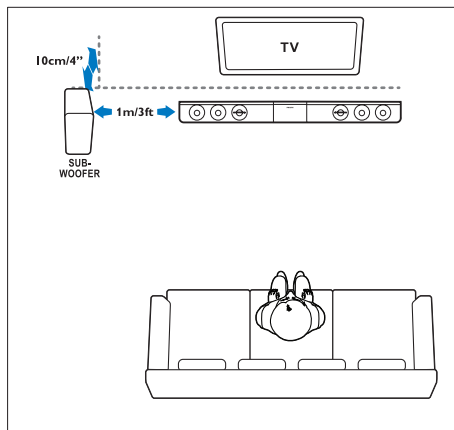
- ① **AUDIO IN-AUX**  
Connect to an analog audio output on the TV or an analog device.
- ② **DIGITAL IN-OPTICAL**  
Connect to an optical audio output on the TV or a digital device.
- ③ **DIGITAL IN-COAXIAL**  
Connect to a coaxial audio output on the TV or a digital device.
- ④ **AC MAINS~**  
Connect to the power supply.

# 3 Connect and set up

This section helps you connect your SoundBar to a TV and other devices, and then set it up. For information about the basic connections of your SoundBar and accessories, see the quick start guide.

## Note

- For identification and supply ratings, see the type plate at the back or bottom of the product.
- Before you make or change any connections, make sure that all devices are disconnected from the power outlet.



## Pair up with the subwoofer

The wireless subwoofer automatically pairs with the SoundBar for wireless connection when you turn on the SoundBar and the subwoofer.

If no audio from the subwoofer can be heard, manually pair up the subwoofer:

### Pair up with the subwoofer

- 1 Turn on the SoundBar and the subwoofer.
  - ↳ If the connection to the SoundBar is lost, the indicator on the subwoofer blinks white slowly.
- 2 Press the **CONNECT** button on the subwoofer to enter the pairing mode.
  - ↳ The indicator on the subwoofer blinks white quickly.
- 3 On the remote control, press **AUX**, and then press **TREBLE -**, **BASS +** and **+ (Volume)** within three seconds.
  - ↳ If the pairing succeeds, the indicator on the subwoofer lights up white.
  - ↳ If the pairing fails, the indicator on the subwoofer blinks white slowly.
- 4 If the pairing fails, repeat the steps above.

## Subwoofer

Follow the steps below to position and connect your subwoofer:

### Position

Place the subwoofer at least one meter (three feet) away from either to the left or right of your SoundBar; and ten centimeter away from the wall.

For best results, place your subwoofer as shown below.

## Connect

Connect your subwoofer to your SoundBar as described in the quick start guide.

## Connect audio from TV and other devices

Play audio from TV or other devices through your Soundbar speakers.

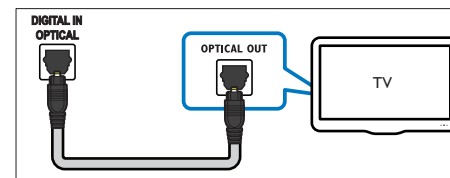
Use the best quality connection available on your TV, Soundbar, and other devices.

## Note

- When your Soundbar and TV are connected through HDMI ARC, an audio connection is not required.

### Option 1: Connect audio through a digital optical cable

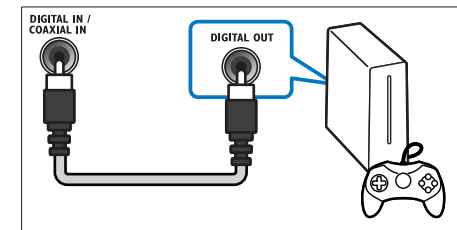
Best quality audio



- 1 Using an optical cable, connect the **OPTICAL** connector on your SoundBar to the **OPTICAL OUT** connector on the TV or other device.
  - The digital optical connector might be labeled **SPDIF** or **SPDIF OUT**.

### Option 2: Connect audio through a digital coaxial cable

Good quality audio

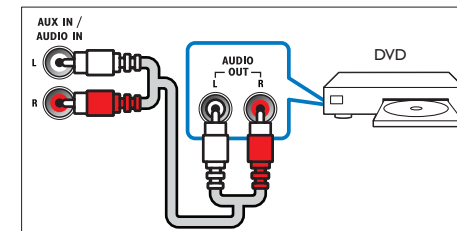


- 1 Using a coaxial cable, connect the **COAXIAL** connector on your SoundBar to the **COAXIAL/DIGITAL OUT** connector on the TV or other device.
  - The digital coaxial connector might be labeled **DIGITAL AUDIO OUT**.

### Option 3: Connect audio through analog audio cables

Basic quality audio

- 1 Using an analog cable, connect the **AUX** connectors on your SoundBar to the **AUDIO OUT** connectors on the TV or other device.



## 4 Use your SoundBar

This section helps you use the SoundBar to play audio from connected devices.

### Before you start

- Make the necessary connections described in the quick start guide and the user manual.
- Switch the SoundBar to the correct source for other devices.

## Adjust the volume

To increase or decrease volume, press **+/- (Volume)**.

- The **Source indicators** on the front panel blink once when the volume is set to either minimum or maximum.

To mute sound, press **Mute**.

- The current **Source indicator** on the front panel blinks continuously.

To restore the sound, press **Mute** again or press **+/- (Volume)**.

## Choose your sound

This section helps you choose the ideal sound for your video or music.

### Surround sound mode

Experience an immersive audio experience with surround sound modes.

Press **SURR** repeatedly to switch surround mode on or off.

- ↳ When surround mode is on, the **SURR** indicator on the front panel lights up.
- ↳ When stereo mode is on, the **SURR** indicator on the front panel turns off.

### Equalizer

Change the high frequency (treble) and low frequency (bass) settings of the SoundBar:

- 1 Press **TREBLE +/-** or **BASS +/-** to change the frequency.
  - ↳ **SURR** indicator blinks once every time you press **TREBLE +/-** or **BASS +/-**.
  - ↳ **SURR** indicator lights up for two seconds when treble or bass is set to the maximum or minimum value.

### Auto volume

Turn the auto volume on to keep the volume constant when you switch to a different source.

- 1 Press **AUTOVOL** to turn auto volume on or off.
  - ↳ When auto volume is turned on, the **SURR** indicator blinks once.
  - ↳ When auto volume is turned off, the **SURR** indicator blinks twice.

### Night mode

For quiet listening, decrease the volume of loud sounds when audio is played. Night mode is only available for Dolby Digital soundtracks.

- 1 Press **NIGHT MODE** to turn night mode on or off.
  - ↳ When night mode is turned on, the **SURR** indicator blinks once.
  - ↳ When night mode is turned off, the **SURR** indicator blinks twice.

### Note

- If auto volume is set to turned on, you cannot enable the night mode.

## MP3 player

Connect your MP3 player to play your audio files or music.

### What you need

- An MP3 player.
- A 3.5mm stereo audio cable.

- 1 Using the 3.5mm stereo audio cable, connect the MP3 player to the **AUDIO IN** connector on your SoundBar.
- 2 Press **AUDIO IN** on the remote control.
- 3 Press the buttons on the MP3 player to select and play audio files or music.

## USB storage devices

Enjoy audio on a USB storage device, such as an MP3 player and USB flash memory, etc.

### What you need

- A USB storage device that is formatted for FAT file systems, and complies with the Mass Storage Class.
- An MP3 or WMA file on a USB storage device

- 1 Connect a USB storage device to the SoundBar.
- 2 Press **USB** on the remote control.
- 3 Use the remote control to control play.

Button	Action
▶	Start, pause or resume play. Press and hold to stop play.
◀/▶	Skip to the previous or next track.
SHUFFLE	Select or turn off repeat/shuffle mode.

### Note

- This product may not be compatible with certain types of USB storage device.
- If you use a USB extension cable, USB HUB, or USB multi-reader, the USB storage device may not be recognized.
- Digital camera PTP protocols are not supported.
- Do not remove the USB storage device while it is being read.
- DRM-protected music files (MP3, WMA) are not supported.
- Support a USB port: 5V ---, 1A.

## Play audio through Bluetooth

Through Bluetooth, connect the SoundBar with your Bluetooth device (such as an iPad, iPhone, iPod touch, Android phone, or laptop), and then you can listen to the audio files stored on the device through your SoundBar speakers.

### What you need

- A Bluetooth device which supports Bluetooth profile A2DP, AVRCP and with Bluetooth version as 3.0 + EDR.
- The operational range between the SoundBar and a Bluetooth device is approximately 10 meters (30 feet).

- 1 Press **Bluetooth** on the remote control to switch the SoundBar to Bluetooth mode.
  - ↳ The **BLUETOOTH** indicator blinks.
- 2 On the Bluetooth device, switch on Bluetooth, search for and select **Philips HTL5110** to start connection (see the user manual of the Bluetooth device on how to enable Bluetooth).
  - ↳ During connection, the **BLUETOOTH** indicator blinks.
- 3 Wait until you hear a beep sound from the SoundBar.
  - ↳ The **BLUETOOTH** indicator lights up.
  - ↳ If the connection fails, the **BLUETOOTH** indicator blinks continually.

- 4 Select and play audio files or music on your Bluetooth device.
  - During play, if a call is coming, music play is paused. Play resumes when the call ends.
  - If your Bluetooth device supports AVRCP profile, on the remote control you can press ◀/▶ to skip to a track, or press ⏸ to pause/resume play.

- 5 To exit Bluetooth, select other source.
  - When you switch back to Bluetooth mode, Bluetooth connection remains active.

#### Note

- The music streaming may be interrupted by obstacles between the device and SoundBar, such as wall, metallic casing that covers the device, or other devices nearby that operate in the same frequency.
- If you want to connect your SoundBar with another Bluetooth device, press and hold **Bluetooth** on the remote control to disconnect the currently connected Bluetooth device.
- Philips does not guarantee 100% compatibility with all Bluetooth devices.

↳ When the factory settings restore is complete, the SoundBar automatically switches off and restarts.

## Auto standby

When playing media from a connected device, the SoundBar automatically switches to standby if:

- no button is pressed for 29 minutes, and
- no audio/video play from a connected device.

## Apply factory settings

You can reset your SoundBar to the default settings programmed at the factory.

- 1 In AUX mode, within three seconds, press **VOL-**, **BASS-**, and **Treble-**.

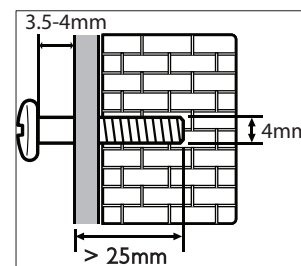
## 5 Wall mount

#### Note

- Koninklijke Philips Electronics N.V. bears no responsibility for improper wall mounting that results in accident, injury or damage. If you have any query, contact Philips Consumer Care in your country.
- Before wall mounting, make sure the wall can support the weight of your SoundBar.
- Before wall mount, you need not remove the three rubber feet at the bottom of the soundbar; otherwise the rubber feet cannot be fixed back.

#### Screw length/diameter

Depending on the type of wall mounting your SoundBar, make sure that you use screws of a suitable length and diameter:



For information about how to wall mount your SoundBar, see the quick start guide.



# 6 Product specifications

## Note

- Specifications and design are subject to change without notice.

- WMA: 44.1 kHz, 48 kHz
- Constant bit rate:
  - MP3: 8 kbps-320 kbps
  - WMA: 32 kbps-192 kbps
- Version:
  - WMA: V7, V8, V9

## Bluetooth

- Bluetooth profiles: A2DP, AVRCP
- Bluetooth version: 3.0 + EDR

## Main unit

- Power supply: 110-240 V~, 50/60 Hz
- Power consumption: 25 W
- Standby power consumption: ≤ 0.5 W
- Speaker impedance: 8 ohm
- Speaker drivers: 4 x 3" woofer
- Dimensions (WxHxD): 995 x 94 x 102.5 mm
- Weight: 3.5 kg

## Subwoofer

- Power supply: 110-240 V~, 50/60 Hz
- Power consumption: 30 W
- Standby power consumption: ≤ 0.5 W
- Impedance: 4 ohm
- Speaker drivers: 1 x 165 mm (6.5") woofer
- Dimensions (WxHxD): 200 x 510 x 201 mm
- Weight: 4.9 kg

## Remote control batteries

- 2 x AAA-R03-1.5 V

# 7 Troubleshooting



## Warning

- Risk of electric shock. Never remove the casing of the product.

To keep the warranty valid, never try to repair the product yourself.

If you have problems using this product, check the following points before you request service. If you still have a problem, get support at [www.philips.com/support](http://www.philips.com/support).

## Main unit

### The buttons on the SoundBar do not work.

- Disconnect the SoundBar from the power supply for a few minutes, then reconnect.

## Sound

### No sound from SoundBar speakers.

- Connect the audio cable from your SoundBar to your TV or other devices. However, you do not need a separate audio connection when:
    - the SoundBar and TV are connected through **HDMI ARC** connection, or
    - a device is connected to the **HDMI IN** connector on your SoundBar.
  - Reset your SoundBar to its factory settings.
  - On the remote control, select the correct audio input.
  - Make sure that the SoundBar is not muted.
- ### Distorted sound or echo.
- If you play audio from the TV through the SoundBar, make sure that the TV is muted.
- ### No sound from the wireless subwoofer.
- Wirelessly connect the subwoofer to the main unit.

## Bluetooth

### A device cannot connect with the SoundBar.

- The device does not support the compatible profiles required for the SoundBar.
- You have not enabled the Bluetooth function of the device. See the user manual of the device on how to enable the function.
- The device is not correctly connected. Connect the device correctly.
- The SoundBar is already connected with another Bluetooth device. Disconnect the connected device, then try again.

### Quality of audio play from a connected Bluetooth device is poor.

- The Bluetooth reception is poor. Move the device closer to the SoundBar, or remove any obstacle between the device and the SoundBar.

### The connected Bluetooth device connects and disconnects constantly.

- The Bluetooth reception is poor. Move the device closer to the SoundBar, or remove any obstacle between the device and the SoundBar.
- Turn off Wi-Fi function on the Bluetooth device to avoid interference.
- For some Bluetooth, the Bluetooth connection can be deactivated automatically to save power. This does not indicate any malfunction of the SoundBar.

## Amplifier

- FTC total output power: 34W
  - Left + Right: 16W (1%THD, 4ohm, 300Hz-20kHz)
  - Subwoofer: 18W (1%THD, 8ohm, 40Hz-70Hz)
- RMS total output power: 120W RMS (+/- 0.5 dB, 30%THD) / 96W RMS (+/- 0.5 dB, 10%THD)
- Frequency response: 20 Hz-20 kHz / ±3 dB
- Signal-to-noise ratio: > 65 dB (CCIR) / (A-weighted)
- Input sensitivity:
  - AUX: 750 mV
  - AUDIO IN: 400 mV**

## Audio

- S/PDIF Digital audio input:
  - Coaxial: IEC 60958-3
  - Optical: TOSLINK

## USB

- Compatibility: Hi-Speed USB (2.0)
- Class support: USB Mass Storage Class (MSC)
- File system: FAT16, FAT32
- Supports MP3 and WMA file formats
- Sampling frequency:
  - MP3: 8 kHz, 11 kHz, 12 kHz, 16 kHz, 22 kHz, 24 kHz, 32 kHz, 44.1 kHz, 48 kHz

# 8 Notice

This section contains the legal and trademark notices.

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## Notice of compliance

This set complies with the FCC rules, Part 15 and with 21 CFR 1040.10. 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.**

### FCC rules

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 instruction manual, 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:

- Relocate the receiving antenna.
- Increase the separation between 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 Radiation Exposure Statement:** This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

**Warning:** Changes or modifications made to this equipment not expressly approved by Philips may void the FCC authorization to operate this equipment.

Model number: PHILIPS HTL5110/F7

Trade Name: Philips

Responsible Party: P&F USA, Inc. PO Box 2248 Alpharetta, GA 30023-2248; 1-866-310-0744

### Canada:

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

This Class B digital apparatus complies with Canadian ICES-003.

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## Trademarks



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