

# Contents

---

<b>Important Safety Instructions .....</b>	<b>2</b>
Safety .....	2
Warning .....	3
For U.S. models .....	4
<b>What's in the Box .....</b>	<b>5</b>
<b>Identifying the Parts .....</b>	<b>6</b>
Main Unit .....	6
Remote Control .....	7
Wireless Subwoofer.....	7
<b>Preparations .....</b>	<b>7</b>
Prepare the Remote Control.....	7
Replace the Remote Control Battery .....	7
Placement and Mounting .....	8
Wall Mounting (if using option-B) .....	8
<b>Connections .....</b>	<b>9</b>
Use the HDMI (ARC) Socket.....	9
Use the OPTICAL Socket.....	10
Use the AUX Socket.....	10
Connect Power.....	11
<b>Pairing the Wireless Subwoofer with the Main Unit.....</b>	<b>11</b>
Automatic pairing.....	11
Manual pairing.....	11
<b>Basic Operation .....</b>	<b>12</b>
Standby/ON .....	12
Select Modes .....	12
Adjust the Volume .....	12
Select a Preset Sound Effect .....	13
<b>AUX / HDMI ARC / OPTICAL / COAXIAL Operation .....</b>	<b>13</b>
<b>Bluetooth Operation.....</b>	<b>13</b>
Pair Bluetooth-enabled Devices.....	13
NFC (Near Field Communication) Operation .....	14
Listen to Music from Bluetooth Device .....	14
<b>Troubleshooting.....</b>	<b>15</b>
<b>Specifications .....</b>	<b>15</b>



## Important Safety Instructions




The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude as to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

	<b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		

### Safety

- 1 **Read these instructions** – All the safety and operating instructions should be read before this product is operated.
- 2 **Keep these instructions** – The safety and operating instructions should be retained for future reference.
- 3 **Heed all warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
- 4 **Follow all instructions** – All operating and usage instructions should be followed.
- 5 **Do not use this apparatus near water** – The appliance should not be used near water or moisture – for example, in a wet basement or near a swimming pool and the like.
- 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, heaters, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10 Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles and at 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 or rack is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13 Unplug the apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified 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 unit has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15  This equipment is a Class II or double insulated electrical appliance. It has been designed in such a way that it does not require a safety connection to electrical earth.
- 16 The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.
- 17 Minimum distance around the apparatus for sufficient ventilation is 5cm.
- 18 The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc...
- 19 No naked flame sources, such as lighted candles, should be placed on the apparatus.
- 20 Apply the product only in non-tropical climate.
- 21 Batteries should be recycled or disposed of as per state and local guidelines.



**Caution:**

- Use of controls or adjustments or performance of procedures other than those described herein, may result in hazardous radiation exposure or other unsafe operation.
- To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus must not be exposed to dripping or splashing and objects filled with liquids, such as vases, must not be placed on apparatus.
- The mains plug/appliance coupler is used as the disconnect device, the disconnect device must remain readily operable.
- Danger of explosion if battery is incorrectly replaced.
- Replace only with the same or equivalent type.

**Warning**

- The battery (batteries or battery pack) must not be exposed to excessive heat such as sunshine, fire or the like.
- Before operating this system, check the voltage of this system to see if it is identical to the voltage of your local power supply.
- Do not place this unit close to strong magnetic fields.
- Do not place this unit on the amplifier or receiver.
- Do not place this unit close to damp areas as the moisture will affect the life of the laser head.
- If any solid object or liquid falls into the system, unplug the system and have it checked by qualified personnel before operating it any further.
- Do not attempt to clean the unit with chemical solvents as this may damage the finish. Use a clean, dry or slightly damp cloth.
- When removing the power plug from the wall outlet, always pull directly on the plug, never yank on the cord.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance will void the user's authority to operate the equipment.
- The rating label is pasted on the bottom or back of the equipment.

** DO NOT INGEST BATTERY, CHEMICAL BURN HAZARD**

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

## **For U.S. models**

### **FCC Information for User**

**Warning:** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**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:

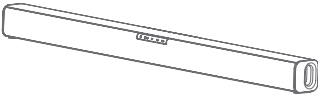
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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.

# What's in the Box

---



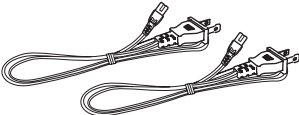
Main Unit



Remote Control



Instruction Manual



AC power cord



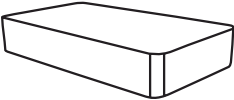
RCA to 3.5mm audio cable



3.5mm to 3.5mm audio cable



Wall Bracket

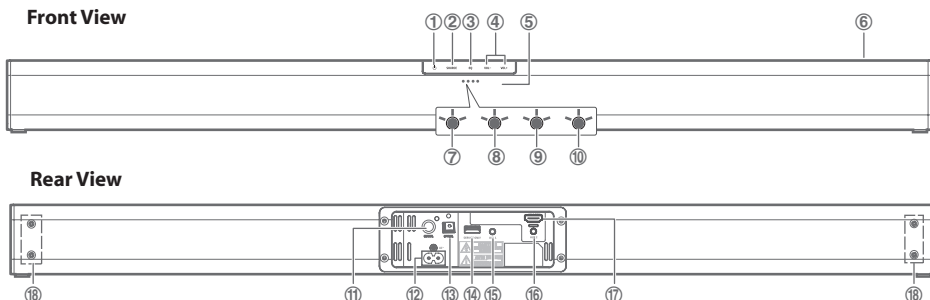


Wireless Subwoofer

- Design and specifications are subject to change without notice.


# Identifying the Parts

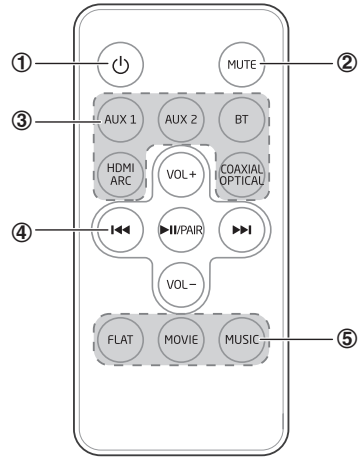
## Main Unit



- 1** button  
Switch the unit between ON and STANDBY mode.
- 2** **SOURCE** button  
Select the play function.
- 3** /PAIR button  
Play/pause/resume playback in Bluetooth mode.  
Press and hold to activate the pairing function in Bluetooth mode or disconnect the existing paired Bluetooth device.
- 4** **VOL+/VOL-** buttons  
Increase/decrease the volume level.
- 5** **Remote Control Sensor**
- 6** **NFC Sensor area**
- 7** **STANDBY/AUX1** Indicator  
In STANDBY mode: Light up Red.  
In AUX 1 mode: Light up Green.
- 8** **COAXIAL/AUX2** Indicator  
In COAXIAL mode: Light up Orange.  
In AUX 2 mode: Light up Orange flash.
- 9** **BLUETOOTH** Indicator  
In BT (Bluetooth) mode: Light up Blue.
- 10** **HDMI ARC/OPTICAL** Indicator  
In HDMI ARC mode: Light up Orange.  
In OPTICAL mode: Light up Orange flash.
- 11** **COAXIAL** Socket  
Connect to an external audio device.
- 12** **AC~Power Plug**  
Connect a power cord.
- 13** **OPTICAL** Socket  
Connect to an external audio device.
- 14** **SERVICE ONLY** Socket  
The USB socket is for service only. It is not designed to charge smartphones, tablets or similar devices.
- 15** **AUX 1** Socket  
Connect to an external audio device.
- 15** **AUX 2** Socket  
Connect to an external audio device.
- 11** **HDMI ARC** Socket  
Connect to an external audio device.
- 12** **Wall bracket screws**

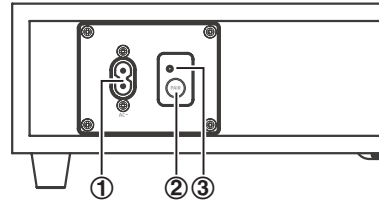
## Remote Control

- 1**  Switch the unit between ON and STANDBY mode.
- 2** **MUTE** Mute or resume the sound.
- 3** **Function buttons** Select the play function.
- 4** **VOL+/VOL-** Increase/decrease the volume level.  
**⏮, ⏭** Skip to previous/next track in Bluetooth mode.  
**▶ II/PAIR** Play/pause/resume playback in Bluetooth mode.  
Press and hold to activate the pairing function in Bluetooth mode or disconnect the existing paired Bluetooth device.
- 5** **EQ buttons** Select a preset sound effect.



## Wireless Subwoofer

- 1 AC~ Socket**  
Connect to power.
- 2 PAIR button**  
Connect to the main unit.
- 3 PAIR Indicator**  
Light up solidly when the pairing succeed.

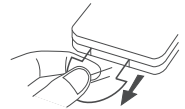


## Preparations

### Prepare the Remote Control

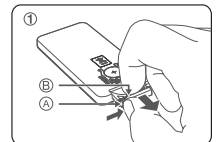
The provided Remote Control allows the unit to be operated from a distance.

- Even if the Remote Control is operated within the effective range (6m), remote control operation may be impossible if there are any obstacles between the unit and the remote control.
- If the Remote Control is operated near other products which generate infrared rays, or if other remote control devices using infra-red rays are used near the unit, it may operate incorrectly. Conversely, the other products may operate incorrectly.



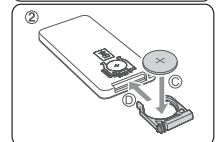
### First-time use:

The unit has a pre-installed lithium CR2025 battery. Remove the protective tab to activate the remote control battery.



### Replace the Remote Control Battery

1. Pull out the battery tray and remove the old battery.
2. Place a new CR2025 battery into the battery tray with correct polarity (+/-) as indicated.
3. Insert the battery tray back into the slot.



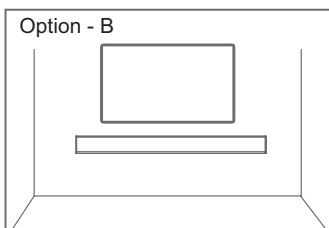
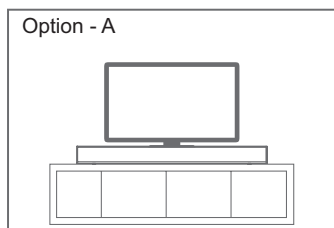
## Precautions Concerning Batteries

- When the Remote Control is not to be used for a long time (more than a month), remove the battery from the Remote Control to prevent it from leaking.
- If the batteries leak, wipe away the leakage inside the battery compartment and replace the batteries with new ones.
- Do not use any batteries other than those specified.
- Do not heat or disassemble batteries.
- Never throw them in fire or water.
- Do not carry or store batteries with other metallic objects. Doing so could cause batteries to short circuit, leak or explode.
- Never recharge a battery unless it is confirmed to be a rechargeable type.

## Placement and Mounting

### Placement

- A If your TV is placed on a table, you can place the unit on the table directly in front of the TV stand, centered with the TV screen.
- B If your TV is attached to a wall, you can mount the unit on the wall directly below the TV screen.

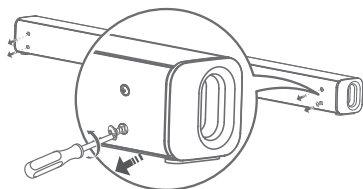


## Wall Mounting (if using option-B)

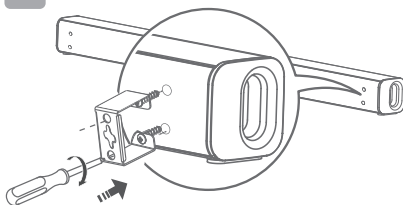
### Note:

- Installation must be carried out by qualified personnel only. Incorrect assembly can result in severe personal injury and property damage (if you intend to install this product yourself, you must check for installations such as electrical wiring and plumbing that may be buried inside the wall). It is the installer's responsibility to verify that the wall will safely support the total load of the unit and wall brackets.
- Additional tools (not included) are required for the installation.
- Do not overtighten screws.
- Keep this instruction manual for future reference.
- Use an electronic stud finder to check the wall type before drilling and mounting.

- 1** Remove the screws from the main unit.

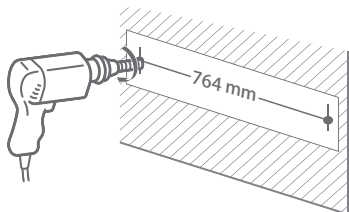


- 2** Attach the wall brackets to the main unit with the screws removed from the main unit.

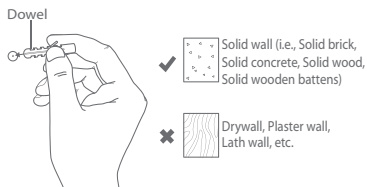




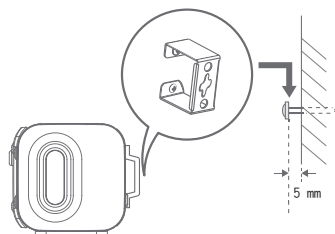
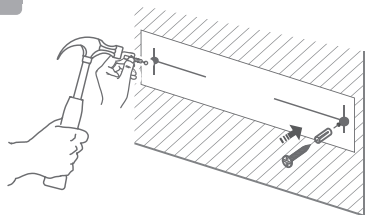
- 3** Drill 2 parallel holes (Ø 3-8 mm each according to wall type) in the wall. The distance between the holes should be 764 mm.



- 4** Firmly fix 1 dowel into each hole in the wall if necessary.

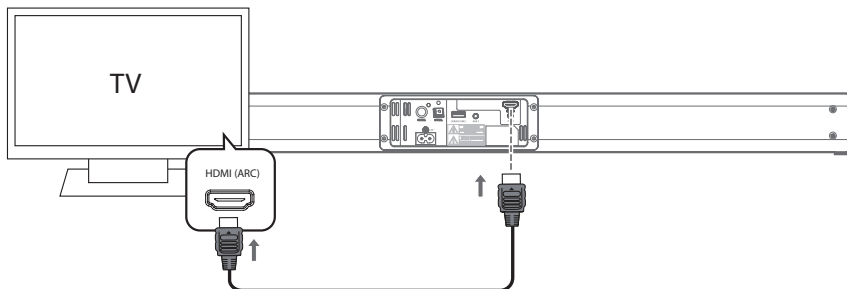


- 5** Leave a 5 mm gap between the wall and the screw's head. Lift the unit with the attached wall brackets over the heads of the screws and slot into place.



## Connections

### Use the HDMI (ARC) Socket



#### ARC (Audio Return Channel):

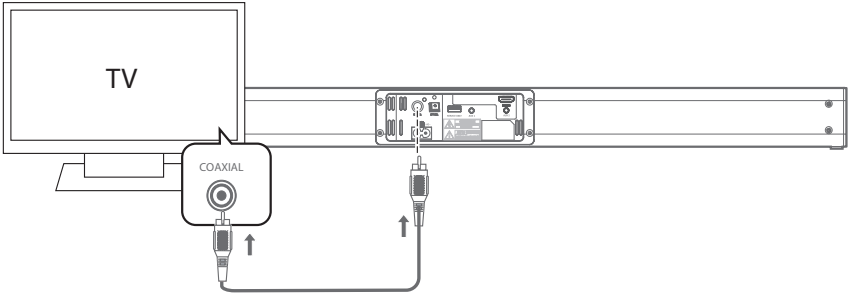
- With the ARC (Audio Return Channel) function, it allows you to send audio input from your ARC-compliant TV to ARC-compliant audio devices (e.g. soundbar) without the need to connect an audio cable.
- To enjoy the ARC function, make sure main unit the HDMI (ARC) socket is connected by an **HDMI** cable (not included) to the HDMI (ARC) socket of your ARC-compliant TV. Then, just use your TV remote control to adjust the volume output (VOL +/- and MUTE) of the connected audio device.

#### NOTE

- Your TV must support the HDMI-CEC and ARC and the HDMI-CEC and ARC must be set to On.
- The setting method of HDMI-CEC and ARC may differ depending on the TV. For details about ARC function, please refer to the owner's manual.

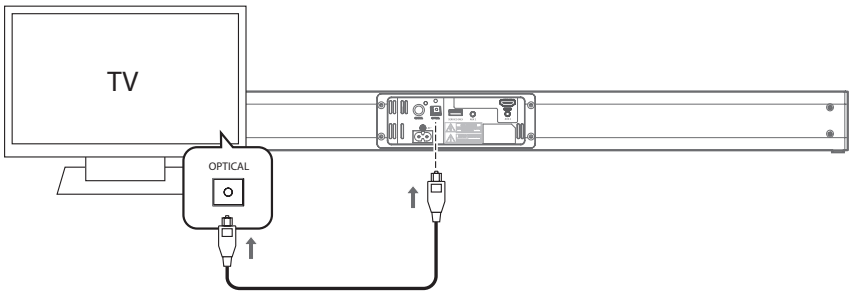
- Ensure that you use an HDMI cables that can support the ARC function.
- HDMI-CEC will be called different names by different manufacturers – please refer to your owner’s manual for details on setting up HDMI-CEC and ARC.

**Use the COAXIAL Socket**



Use a COAXIAL cable (not included) to connect the TV’s COAXIAL socket to the **COAXIAL** socket on the unit.

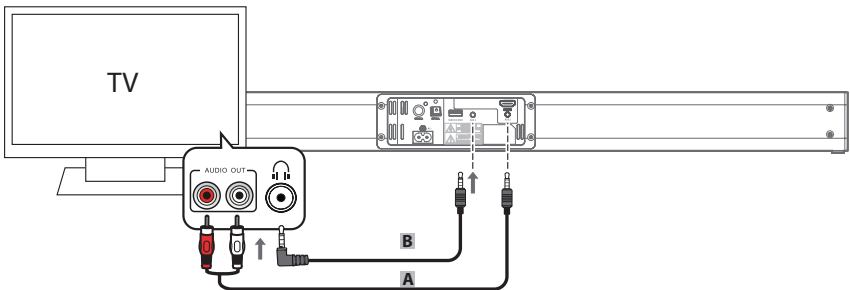
**Use the OPTICAL Socket**



Remove the protective cap of the OPTICAL socket, then connect an OPTICAL cable (not included) to the TV’s OPTICAL OUT socket and the OPTICAL socket on the unit.

**Use the AUX Socket**

- A. Use a RCA to 3.5mm audio cable (included) to connect the TV’s audio output sockets to the **AUX 1** or **AUX 2** sockets on the unit.

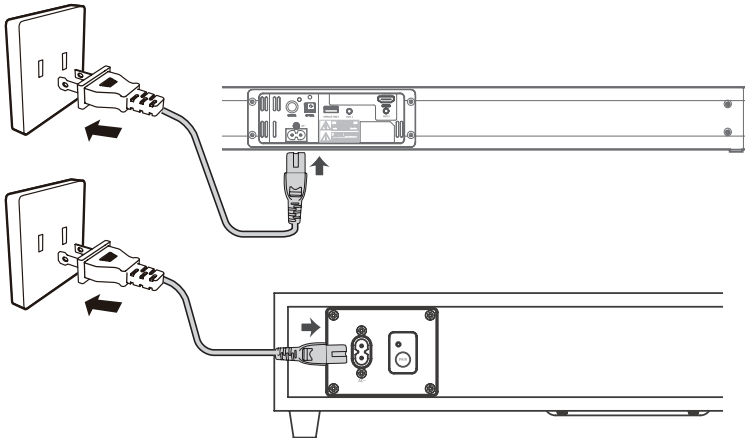


- B. Use a 3.5mm to 3.5mm audio cable (included) to connect the TV’s or external audio device headphone socket to the **AUX 1** or **AUX 2** sockets on the unit.

## Connect Power

### Risk of product damage!

- Ensure that the power supply voltage corresponds to the voltage printed on the back or the underside of the unit.
- Before connecting the AC power cord, ensure you have completed all other connections.
- Connect the mains cable to the **AC~** Socket of main unit and then into a mains socket.
- Connect the mains cable to the **AC~** Socket of Wireless Subwoofer and then into a mains socket.



- Ensure all connections are connected before connecting to the mains power socket.

## Pairing the Wireless Subwoofer with the Main Unit

---

### Automatic pairing


The subwoofer and soundbar will automatically pair when both units are plugged into the mains sockets and turned on. No cable is needed for connecting the two units.

- When the subwoofer is pairing with the main unit, the Pair Indicator will flash fast.
- When the subwoofer is paired with the main unit, the Pair Indicator will light up.

#### NOTE:

- Do not press the **Pair** button on the rear of the subwoofer, except for manual pairing.
- If the automatic pairing fails, pair the subwoofer with the main unit manually.

### Manual pairing

1. Ensure that all the cables are well connected and the main unit is in Standby mode.
2. Press and hold the **Pair** button on the rear of the subwoofer for a few seconds. The subwoofer will enter the pairing mode and the Pair Indicator will blink quickly.
3. Press  the button on the main unit or on the remote control to switch the main unit on.
4. After the wireless connection succeeded, the Pair Indicator will light up.

5. If the Pair indicator blinks, the wireless connection has failed. Unplug the cable of the subwoofer and then reconnect the main cable after 3 minutes. Repeat step 1 ~ 4.

**NOTE:**



- If the wireless connection fails again, check if there is conflict or strong interference (for example, interference from an electronic device) around your location. Remove these conflicts or strong interferences and repeat the above procedures.
- The subwoofer should be within 6m of the soundbar in an open area.
- If a TV or an external device is connected, the main unit only AUX model and the subwoofer will switch on automatically when the TV or the external device is switched on.
- If the main unit is not connected with the subwoofer and it is in On mode, the POWER Indicator will flash. Follow step 1 ~ 4 above to pair the subwoofer to the main unit.

## Basic Operation

---

### Standby/ON

When you first connect the main unit to the mains socket, the main unit will be in Standby mode.

- Press the  button on the unit or on the remote control to switch the unit ON.
- Press the  button again to switch the unit back to STANDBY mode. The POWER indicator will light up red.
- Disconnect the mains plug from the mains socket if you want to switch the unit OFF completely.
- When the unit no input signal (or weak input signal) , the unit will automatically switch to Standby mode.

### Select Modes

Press the **SOURCE** button repeatedly on the unit or the **AUX1, AUX2, HDMI ARC, OPTICAL/COAXIAL** and **BT** (Bluetooth) buttons on the remote control to select the desired mode.

In AUX 1 mode: **STANDBY/AUX1** Indicator light up Green.

In COAXIAL mode: **COAXIAL/AUX2** Indicator light up Orange.

In AUX 2 mode: **COAXIAL/AUX2** Indicator light up Orange flash.

In BT (Bluetooth) mode: **BLUETOOTH** Indicator light up Blue.

In HDMI ARC mode: **HDMI ARC/OPTICAL** Indicator light up Orange.

In OPTICAL mode: **HDMI ARC/OPTICAL** Indicator light up Orange flash.

### Adjust the Volume

- Press the **VOL+ / VOL-** buttons on the unit or on the remote control to adjust the volume.
- If you wish to turn the sound off, press the **MUTE** button on the remote control. Press the MUTE button again or press the **VOL+ / VOL-** buttons on the unit or on the remote control to resume normal listening.
- While adjusting the volume, the status indicator flashes quickly.
- While the volume level reaches its maximum level, if you press the **VOL+** button again, the status indicator flashes once. While the volume level reaches its minimum level, if you press the **VOL-** button again, the status indicator flashes once.

## Select a Preset Sound Effect

While playing, press the **FLAT** or **MOVIE** or **MUSIC** buttons on the remote control to select between preset equalisers: **Movie** (recommended for viewing movies), **Music** (recommended for listening to music), **FLAT** (EQ mode off).

## AUX / HDMI ARC / OPTICAL / COAXIAL Operation

---

- 1 Ensure that the unit is connected to the TV or audio device.
- 2 Press the **SOURCE** button repeatedly on the unit or the **AUX1**, **AUX2**, **HDMI ARC**, **COAXIAL** and **OPTICAL** buttons on the remote control to select the desired mode.
- 3 Operate your audio device directly for playback features.
- 4 Press the **VOL +/-** button to adjust the volume to your desired level.

**Tip:** While in **HDMI ARC** or **OPTICAL** mode, if there's no sound output from the unit, you may need to activate **PCM** or **Dolby Digital** Signal output on your source device (eg. TV, DVD or Blu-ray player).

## Bluetooth Operation

---

### Pair Bluetooth-enabled Devices

The first time you connect your bluetooth device to this player, you need to pair your device to this player.

**Note:**

- The operational range between this player and a Bluetooth device is approximately 8 meters (without any object between the Bluetooth device and the unit).
  - Before you connect a Bluetooth device to this unit, ensure you know the device's capabilities.
  - Compatibility with all Bluetooth devices is not guaranteed.
  - Any obstacle between this unit and a Bluetooth device can reduce the operational range.
  - If the signal strength is weak, your Bluetooth receiver may disconnect, but it will re-enter pairing mode automatically.
- 1 During ON mode, press the **SOURCE** button repeatedly on the unit or the **BT** button on the remote control to select Bluetooth mode. The **Blue** indicator will light flash.
  - 2 The system has entered pairing mode.
    - Or press and hold the "**▶ II/PAIR**" button on the remote control or on the unit to be searchable. After the "**Pairing**" voice prompt and the Blue indicator will flash rapidly.
  - 3 Activate your Bluetooth device and select the search mode. "**TB230WW**" will appear on your Bluetooth device list.
  - 4 Select "**TB230WW**" in the pairing list. After the "**Paired**" voice prompt, the system is successfully connected and the Blue indicator will light up solidly.
  - 5 Play music from the connected Bluetooth device.

### To disconnect the Bluetooth function, you can :

- Switch to another function on the unit.
- Disable the function from your Bluetooth device. The Bluetooth device will be disconnected from the unit after the “**Disconnected**” voice prompt.
- Press and hold the “▶ ||/PAIR” button on the remote control or on the unit.

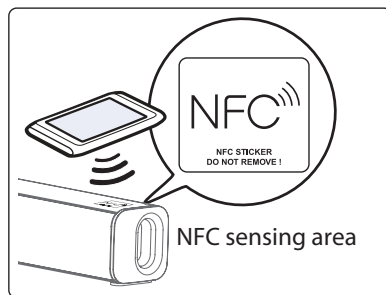
### Tips:

- Enter "0000" for the password if necessary.
- If no other Bluetooth device pairs with this player within two minutes, the player will recover its previous connection.
- The player will also be disconnected when your device is moved beyond the operational range.
- If you want to reconnect your device to this player, place it within the operational range.
- If the device is moved beyond the operational range, when it is brought back, please check if the device is still connected to the player.
- If the connection is lost, follow the instructions above to pair your device to the player again.

## NFC (Near Field Communication) Operation

Pair your NFC-enabled mobile device directly with this unit by just a single tap.

1. Activate NFC on your mobile device.
2. Tap the mobile device on the NFC sensing area of the unit. The device vibrates or a message pops up. Your unit will switch to Bluetooth mode automatically.
3. Operate your mobile device directly for playback features.
4. To disconnect, tap the mobile device on the NFC sensing area of the unit to disconnect or disable NFC from your mobile device.



### NOTE:

- The NFC function only works with mobile devices that support NFC technology.
- You may need to remove your mobile device case to connect using NFC.

## Listen to Music from Bluetooth Device

- If the connected Bluetooth device supports Advanced Audio Distribution Profile (A2DP), you can listen to the music stored on the device through the player.
  - If the device also supports Audio Video Remote Control Profile (AVRCP), you can use the player's remote control to play music stored on the device.
1. Pair your device with the player.
  2. Play music via your device (if it supports A2DP).
  3. Use supplied remote control to control play (if it supports AVRCP).
    - To pause/resume play, press the ▶ ||/PAIR button on the remote control or on the unit.
    - To skip to a track, press the ◀▶ buttons on the remote control.

# Troubleshooting

---

To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this unit, check the following points before requesting service.

## No power

- Ensure that the AC cord of the apparatus is properly connected .
- Ensure that there is power at the AC outlet.
- Press standby button to turn the unit on.

## Remote control does not work

- Before you press any playback control button, first select the correct source.
- Reduce the distance between the remote control and the unit.
- Insert the battery with its polarities (+/-) aligned as indicated.
- Replace the battery.
- Aim the remote control directly at the sensor on the front of the unit.

## I can't find the Bluetooth name of this unit on my Bluetooth device for Bluetooth pairing

- Ensure the Bluetooth function is activated on your Bluetooth device.
- Ensure you have paired the unit with your Bluetooth device.

# Specifications

---

## General

Power Supply .....	AC120V~ 60Hz
Output Power .....	25 W x 2
Power Consumption .....	30 W
Power consumption of standby mode .....	< 0.5 W
Frequency Response .....	40Hz - 20KHz
Impedance .....	8 $\Omega$ x 2
Total harmonic distortion .....	1% (1kHz, 1W)
Audio input sensitivity .....	500mV
Dimension (W x H x D) .....	800 x 62 x 62 mm

## Subwoofer

Power Supply .....	AC 120V~ 60Hz
Output Power .....	30W X2 +60W
Power Consumption .....	30W
Power consumption of standby mode .....	< 0.5 W
Frequency Response .....	40Hz - 200Hz
Impedance .....	4 $\Omega$
Dimension (W x H x D) .....	465 x 255 x 95mm

## Remote Control

Distance .....	6m
Angle .....	30°