

TCL

3.1 Channel Soundbar with Dolby Audio™, DTS® Virtual:X™
and Wireless Subwoofer

S643W

User Manual



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1 Before you begin

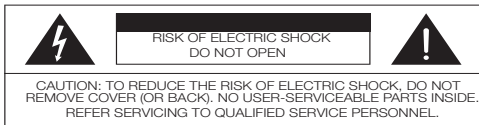
- Carefully read and observe all safety instructions in the safety leaflet.
- This Soundbar is intended for indoor use only. In case it accidentally gets in contact with small amounts of water, unplug immediately and use a dry cloth to remove the water.
- Unplug the Soundbar if it is not used for long periods of time or during lightning storms.
- Make sure the Soundbar is installed on a solid surface or solidly wall-mounted below your TV for the best experience.
- Only use AAA 1,5V non-rechargeable batteries for the Remote Control.
- In case any of the cables are visibly damaged or pinched, unplug the Soundbar and replace the cable.
- Be careful not to sharply bend the HDMI and optical cable as they may affect the performance.
- Protect your hearing by adjusting to a proper volume. Predefined and customizable sound settings are available for your listening comfort.

Important safety instructions

Make sure you read all the safety information before you use this product.

TCL Overseas Marketing Limited bears no responsibility for accidents or damages caused by unauthorized changes, modifications or improper use of the product.

User Manual can be found at www.tcl.com on the specific product page in the "Download" section.



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



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 product.



This symbol indicates that this product incorporates double insulation between hazardous main voltage and user accessible parts. When servicing, use only identical replacement parts.

Warnings

- To reduce the risk of fire or electric shock, do not expose this product to rain or moisture. This product should not be exposed to dripping or splashing. No objects filled with liquids, such as vases, should be placed on or near the product.
- The product is unstable if it is not properly placed or mounted to the wall. Be sure to follow the wall mounting instructions provided in the user manual to ensure your safety.
- Do not expose batteries to excessive heat such as sunshine, fire, and so forth.
- To avoid the danger of suffocation, keep plastic packaging away from pets, babies, and children. Do not use packaging bags in cribs, beds, carriages, or playpens.

Safety

- **Read these instructions** - Read all the safety and operating instructions before operating the product.
- **Retain these instructions** - Retain the safety and operating instructions for future reference.
- **Heed all warnings** - Adhere to all warnings on the product and in the operating instructions.
- **Follow all instructions** - Follow all operating and use instructions.
- **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.
- **Clean only with a 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 it exits from the product. If the cord set is damaged, it must be replaced by a special cord set available from the manufacturer or its service agent.
- **Use only 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.

- **Unplug this apparatus** during lightning storms 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 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.
- **This appliance is** not intended for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
- **The user must maintain** a minimum distance of 20CM from the device at all time.
- **This appliance is not intended** for use by young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.



Cautions

- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Do not place any sources of danger on the product (for example: liquid filled objects, lighted candles).
- Disconnect the power cord to shut off when find trouble or not in use. The power cord shall be readily operable.
- Use of controls or adjustments or performance of procedures other than those described herein, may result in hazardous radiation exposure or other unsafe operation.
- The power cord/appliance coupler is used as the disconnect device, the disconnect device must remain readily operable.
- The rating label is located at the bottom or back of the product.
- The use of apparatus in tropical and moderate climates.

Battery precautions

- Do not mix batteries (old and new or carbon and alkaline).
- Do not dispose of batteries in fire or water.
- Recycle or dispose of batteries as per state and local guidelines.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- 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.
- Keep away the batteries from heat or moisture.
- 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.
- If the battery compartment does not close securely, stop using the product and keep it away from children.

Disposal of your old product and battery

Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities.

This product contains batteries:

- Do not incinerate. Batteries may explode if overheated.
- For disposal or recycling information, please contact your local authorities.

CAUTION: Risk of explosion if the battery is replaced by an incorrect type.

CAUTION: Replacement of a battery with an incorrect type that can defeat a safeguard.

CAUTION: Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.

CAUTION: Leaving a battery in an extremely high temperature surrounding environment that can result in an explosion or the leakage of flammable liquid or gas.

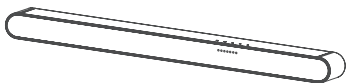
CAUTION: A battery subjected to extremely low air pressure that may result in an explosion or the leakage of flammable liquid or gas.

2 Welcome

Congratulations on the purchase of your new TCL Soundbar! After it is set up and connected, you can experience a superb sound quality and state-of-the-art design to best fit your home entertainment system. You are recommended to read through this user manual which helps you set up, connect and operate the product easily and properly.

Let's get started.

What's in the box



Soundbar



Subwoofer



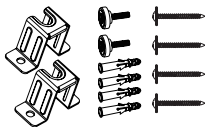
Remote control



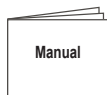
IR pass-through cable



Power cord x 2



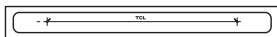
Wall mount kits



Manual

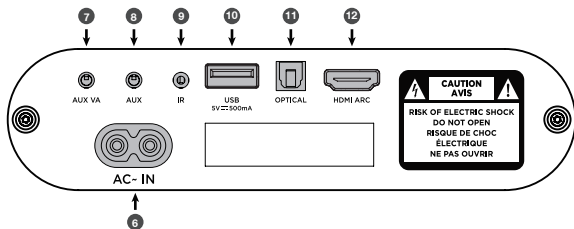
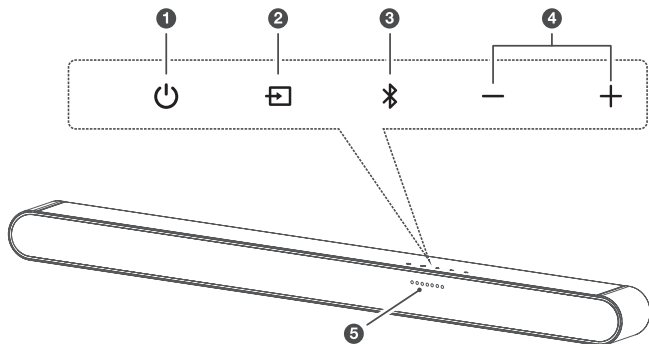
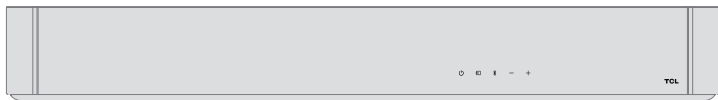


Warranty card



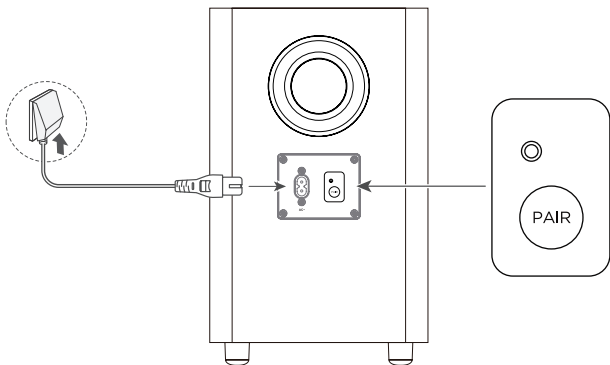
Wall mount template

Overview of the Soundbar



- 1 
Short press: Power On
Long press: Power Off
- 2 
Short press: Switch input sources
(HDMI-ARC/Optical/AUX/AUX VA/USB/Bluetooth)
Long press: Enter Subwoofer pairing
(If Subwoofer disconnected)
- 3 
Short press: Select Bluetooth mode
Long press: Bluetooth Pairing
- 4 
Press to increase or decrease the volume level
- 5 **Input Source LED Indicator**
HDMI-ARC: Magenta
Optical: Yellow
AUX: Green
AUX VA: Orange
USB: Cyan
Bluetooth: Blue
- 6 **AC input power connector**
- 7 **AUX VA input connector**
- 8 **AUX input connector**
- 9 **IR input connector**
- 10 **USB Type A connector**
- 11 **Optical input connector**
- 12 **HDMI ARC connector**

Overview of the wireless Subwoofer



Wireless Subwoofer

The subwoofer will pair automatically with Soundbar upon first use. In case of a problem, take the following steps to manually pair:

1. Press the  button on the Subwoofer for 3 seconds until indicator light flashing fast beside pair button.
2. Press the  button on the Soundbar for 5 seconds. When indicator light turn solid on the Subwoofer.
3. Pairing is successful.

Set up your Soundbar system

Notes

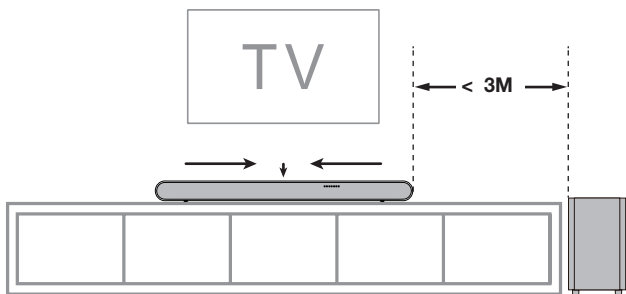
- Make sure you read all the safety information before you mount the Soundbar on the wall.
- Make sure you use screws provided or specified by the authorized manufacturer.
- TCL bears no responsibility for accidents or damage caused by improper wall mounting and screws installation or insufficient wall strength, etc.
- Additional tools (not supplied) are required for installation.
- You can choose to place your Soundbar below the center of your TV or mount it on the wall.

Position your Soundbar and Subwoofer

The ideal place to position the Soundbar is centered underneath your TV.

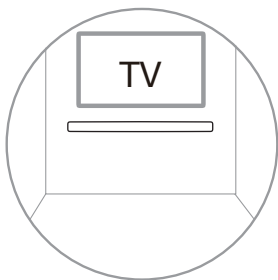
You are recommended to place the Soundbar on the top of the cabinet and right below the center of your TV.

The distance between the Subwoofer and the Soundbar should be less than 3 meters.

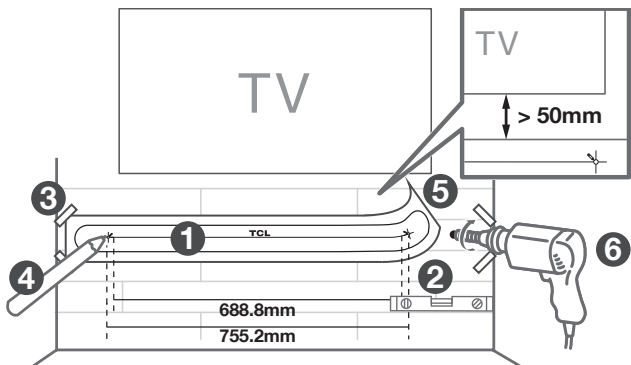


Mount your Soundbar on the wall

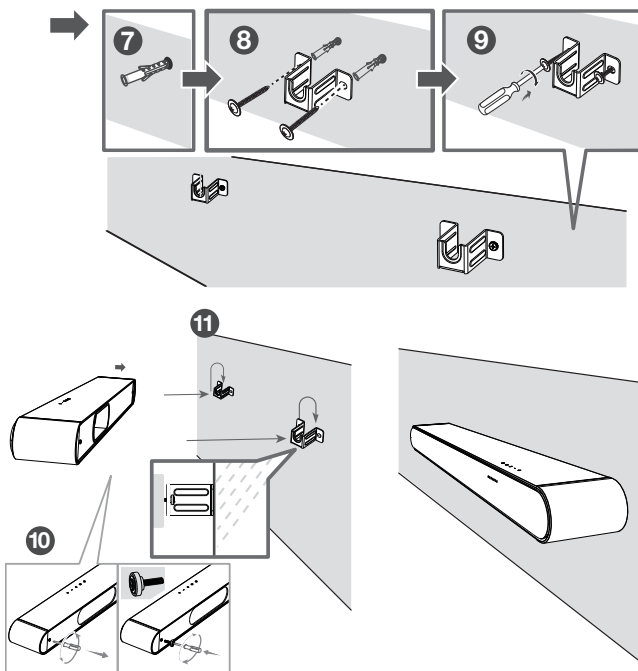
- 1 Place the included wall mount template on the wall.
Make sure the wall mount template is at least 5cm below the center of the TV.
- 2 Use a level to make sure the wall mount template is positioned accurately.
- 3 Use the tape to stick the wall mount template firmly on the wall.



- 4 Mark on the wall using each marking on the template through the mounting holes.
- 5 Take away the wall mount template.
- 6 Drill screw holes at each marking on the wall.



- 7 Insert the wall anchors in the holes on the wall.
- 8 Insert the included screws with the brackets into the hole of the wall anchors.
- 9 Fix and tighten the wall brackets and screws on the Soundbar.
- 10 Replace the screws with the included long wall mount screws.
- 11 Pick up the Soundbar and attach it to the brackets, similar to how you would hang a picture. Make sure everything is tight.



Notes

- Do not place your Soundbar in a location exposed to direct sunlight, heat, fire, or moisture. Only suitable for mounting at heights: < 200cm

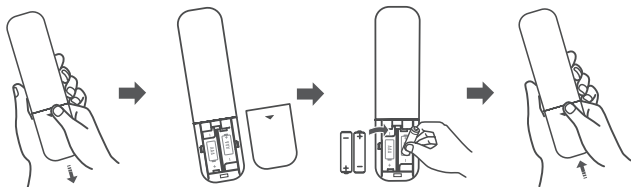
Install/replace the Remote Control batteries

Warnings

- *Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.*

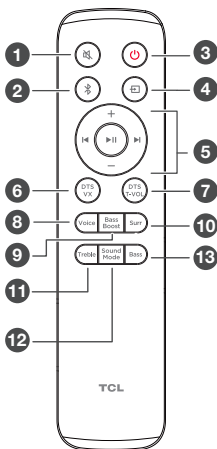
Caution

- 1 Open the battery compartment, remove the old batteries if necessary.
- 2 Place two new AAA batteries into the battery compartment with the correct polarity (+/-).
- 3 Close the battery compartment.



Setup is complete. Your Soundbar is ready to use. For more information about how to access different connection options on your Soundbar, see the following chapter.

Overview of the Remote Control



- ① Short press: mute / unmute the sound
- ② Short press: select Bluetooth mode
Long press: Bluetooth Pairing
- ③ Short press: power on
Long press: power off
- ④ Short press: Switch input sources
HDMI-ARC/Optical/AUX/AUX VA/USB/Bluetooth
- ⑤ + Increase volume
- Decrease volume
◀ Play previous music; turn to previous item

- ▶ Play next music; turn to next item
 - ▶ Play/Pause music
- 6 Short press to turn on/off DTS Virtual:X
 - 7 Short press to turn on/off DTS TruVolume
 - 8 Short Press: switch to Voice Enhance
Long press Voice button for 5 seconds to adjust the Voice Announment volume
 - 9 Short press to enter the Bass Boost Menu
Long press BassBoost button to enable/disable Night mode
 - 10 Short press to enter Surround Enhance
Long press to enable/disable Voice Assistant
 - 11 Short press to enter the treble sound effect
Increase or decrease treble with + / – button
 - 12 Short press: Switch input sound mode
Standard, Voice, Music, Movie, Game, Sports
Long Press 5 seconds in standby mode to enable/disable Auto Standby
 - 13 Short press to adjust the bass sound effect
Increase or decrease bass with + / – button
1. For DTS Virtual X technology revolutionizes Soundbars to deliver immersive sound without extra speakers. Movies and games shift from flat experiences to sensory adventures with clearer dialog and enhanced bass that envelops you.
Ensure that high-definition audio content is used while perform DTS Virtual:X function.

3 Connect your Soundbar system

After you have fixed the position of the Soundbar, you can start connecting it to your TV or other devices and listen to the audio through your Soundbar. Make sure you have muted the audio of your TV or device. For information, check the user manual of your TV or device.

Connect with the HDMI cable

Note

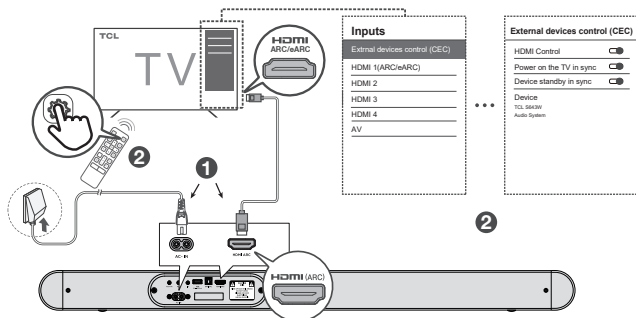
- Make sure your TV or device supports the HDMI ARC feature. For information, check the user manual of your TV or device.

Connect one end of the HDMI cable to the HDMI ARC input connector on your Soundbar and another end to the HDMI ARC output connector of your TV or device.

To get the best possible audio experience using the HDMI cable, follow below given steps:

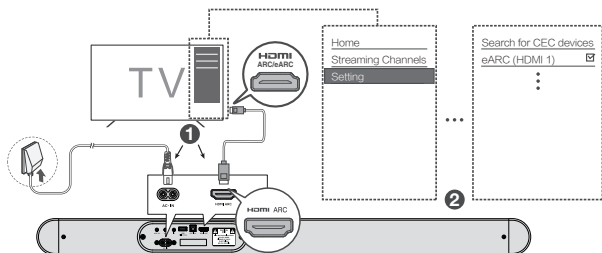
For TCL TV:

- ① Connect HDMI cable from the HDMI (ARC) interface on the Soundbar to the HDMI (ARC/eARC) interface on the TV.
- ② Enable the CEC function in the settings of the TCL TV. (See TV User Manual for instructions)



For other TV brands:

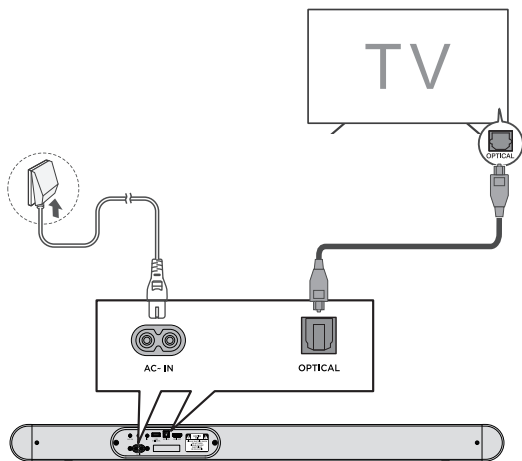
- ❶ Connect HDMI cable from the HDMI (ARC) interface on the Soundbar to the HDMI (ARC/eARC) interface on the TV.
- ❷ Enable the CEC function in the settings of the TV.



★ CEC (Consumer Electronic Control) function naming may differ by TV manufacturer. This feature may be called CEC, Anynet+, SimpLink, BRAVIA Link, EasyLink or VIERA Link. Please see your TV's user manual for more information.

Connect with the optical cable

- 1 Remove the protective caps from the optical cable when necessary.
- 2 Connect one end of the optical cable to the optical input connector on your Soundbar and another end to the optical output connector of your TV or device.

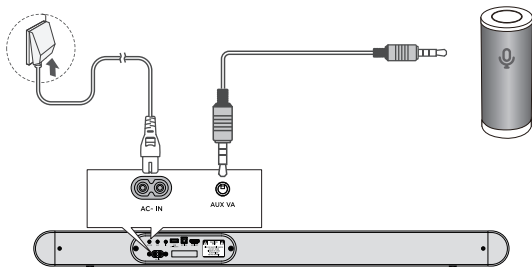


Note

- If there is no sound output from the Soundbar, try to activate the PCM signal output on your TV or device. PCM is used to convert analog audio signals into digital audio signals in most devices. For more information of how to activate the PCM signal output, check the user manual of your TV or device.

Connect with the AUX VA

Your soundbar can connect to a **Voice Assistant (VA)** device through an AUX VA connection. Once connected, your soundbar will now act as the VA speaker.



Features and Benefits:

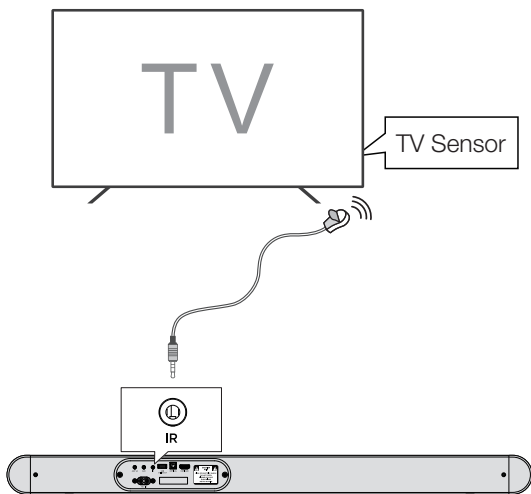
- **Voice Assistant Dedicated Input:** VA is active on the soundbar even if the soundbar is set to a different input with audio playing.
- **Auto Muting:** If playing audio from the soundbar, the VA will play over the original source audio for 10 seconds. If continued after the 10 seconds, the VA audio will mute the original source audio. Once the VA audio is stopped the original source audio will resume.
- If you wish to disable Aux VA features, you can long press  button. Now you can use the Aux VA port as a standard Aux port for additional connections.

Connect with the IR Pass-through

If the soundbar blocks the IR receiver of the TV when placed directly in front of it. You can use the included IR pass-through cable to send IR commands to your TV using the soundbar.

First connect one end of the IR pass-through cable to the IR connector on your soundbar.

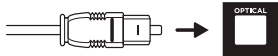
Next, place the other end with the IR blaster close to the TV's IR receiver.



Direction for setting up your Soundbar using an optical cable



Do not bend or kink the optical cable (SPDIF) as it is fragile and can easily get damaged and broken.



To get the best possible audio experience using the optical cable:

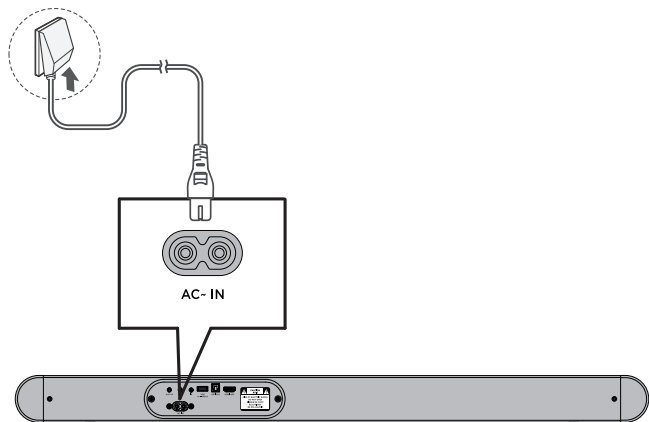
- 1 Press the Home button on your TCL TV Remote.
- 2 Navigate to **Audio option** under **Settings**.
- 3 Uncheck the “**TV speaker enabled**” option.
- 4 Under **S/PDIF** and **ARC**, select **PCM-Stereo**.

Notes

- *Different devices may have different menu options.*
- *Devices such as Blu-ray players, set-top boxes, etc., are also applicable.*

Connect your Soundbar to power supply

- 1 Make sure that you have completed all other connections before connecting the Soundbar to power supply.
- 2 Make sure the power supply voltage complies with your country's safety standards (see 'Specifications' on page 31).
- 3 Connect one end of a supplied AC power cord to the AC input connector on your Soundbar and another end to the power socket on the wall.



Connect the Soundbar with your Bluetooth device

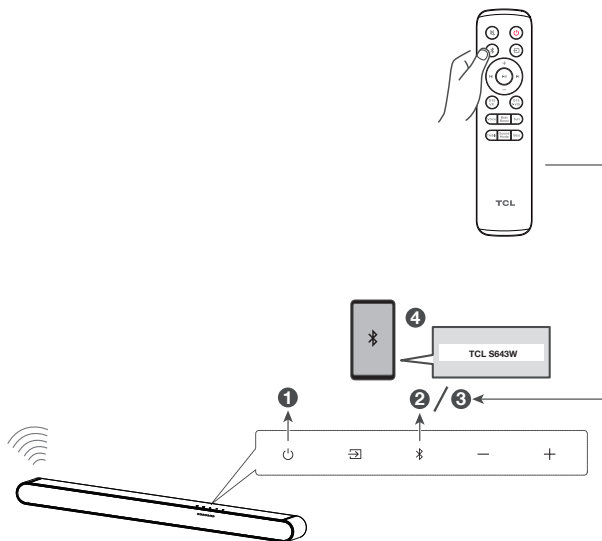
Notes

- Make sure your wireless device supports the Bluetooth function.
- The operational range between the Soundbar and your Bluetooth device is approximately 10 meters (without any obstacle between the Bluetooth device and the Soundbar).

- 1 Press .
- 2 Press .
- 3 Press and hold  on the Remote Control or press and hold  on your Soundbar.
 - ➔ You will see blue LEDs flashing rapidly.
 - ➔ The Soundbar is ready to pair.
- 4 Power on your Bluetooth device and activate its Bluetooth function.
- 5 Select **TCL S643W**.
 - ➔ You will see the blue light on for 3 seconds.
 - ➔ Pairing is successful.
- 6 If you want to pair another device, please repeat step 3.

Tip

- If you cannot find the model name **TCL S643W** on your Bluetooth device, press and hold  on the Remote Control. You will see blue light flashing. Now the Soundbar is coming into the pairing mode.



Connect your wireless Subwoofer to the Soundbar

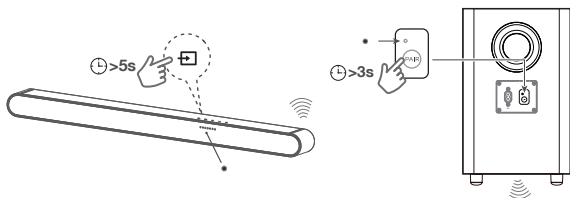
When the wireless Subwoofer is connected, you can enjoy powerful deep bass sounds and a truly immersive audio experience.

Auto pairing

Make sure both the Soundbar and wireless Subwoofer are connected to the power supply and are turned on.

THE SUBWOOFER WILL PAIR AUTOMATICALLY WITH SOUNDBAR UPON FIRST USE. In case of a problem, take the following steps to manually pair:

- ➔ Press the  button on the Subwoofer for 3 seconds until indicator light flashing fast beside pair button.
- ➔ Press the  button on the Soundbar for 5 seconds. When indicator light turn solid on the Subwoofer.
- ➔ Pairing is successful.



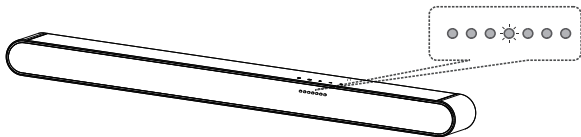
4 Use your Soundbar system

Use your Soundbar with the top panel or Remote Control

- 1 Make sure the Soundbar is properly connected to the power supply and sources.
- 2 Press  at the top panel of your Soundbar or Remote Control to switch to the correct source.



The LED display on the Soundbar gives you information about the LED Behavior on Soundbar. LED light is visible between the cloth and the top case.



Note: After powering on your Soundbar, if there is no operation performed on either the Soundbar or Remote Control within 10 seconds, all LED indicators on the Soundbar will turn off and light up again when the operation is resumed.

Tip: You can use more advanced functions on the Remote Control (see ‘Overview of the Remote Control’ on page 16).

Listen to music from your Bluetooth device

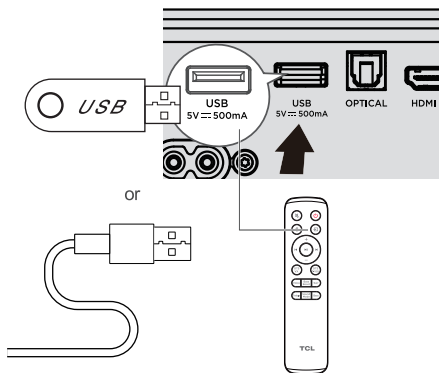
- 1 Make sure that your device supports A2DP and/or AVRCP. For information, check the specification of your device.
- 2 Pair your Bluetooth device with the Soundbar (see ‘Connect the Soundbar with your Bluetooth device’ on page 25).
- 3 Start listening to music stored in your Bluetooth device through the Soundbar.
 - If your Bluetooth device supports A2DP, you can listen to music, but you cannot control the playback.
 - If your Bluetooth device supports AVRCP, you can listen to music and control music playback with the Remote Control. Press the center button to pause or resume music playback. Press left/right button to skip to the previous/next track.

Note

- The operational range between the Soundbar and your Bluetooth device is approximately 10 meters (without any obstacle between the Bluetooth device and Soundbar).

Use the USB cable or device for music playback

- Press play/pause button on the Remote Control to listen to/pause/ resume the music.
- Press left/right button the Remote Control to skip to the previous or next track.
- Press up/down button to increase or decrease the volume level.



Tip

- This Soundbar can support USB devices of up to 64GB memory and the supported file format is MP3.
- Music in folders of the USB device should be within 5 (including 5) directory levels. Otherwise, the Soundbar can not detect the music.

5 Specifications

Product Name

3.1 Channel Soundbar with Dolby Audio, DTS Virtual:X and Wireless Subwoofer

Soundbar

- Power supply: AC 100-240V~50/60Hz
- USB: 5V---500mA max
- Power consumption: 50W
- Power consumption at standby mode (after long pressing the power button): $\leq 0.5W$
- Impedance: $8\ \Omega$
- Frequency response: 180Hz-20KHz
- Dimensions (WxHxD): 810x62x97.6MM
- Weight: 2 KG
- Operating temperature: $0^{\circ}C - 45^{\circ}C$

Wireless Subwoofer

- Power supply: AC 100-240V~50/60Hz
- Power consumption: 30W
- Power consumption at standby mode: $\leq 0.5W$
- Impedance: $4\ \Omega$
- Frequency response: 40Hz-180Hz
- Frequency range: 2402MHz-2480MHz
- Max transmitting power: 10dBm
- Dimensions (WxHxD): 195x320.4x195MM
- Weight: 3 KG

Bluetooth

- Bluetooth version: 5.3, Bluetooth profile - Bluetooth stereo supported (Advanced Audio Distribution Profile - A2DP; Audio Video Remote Control Profile - AVRCP)
- Frequency range: 2402 MHz – 2480 MHz
- Max transmitting power: 10dBm

Remote Control

- Distance/Angle: 6m/ 30°
- Battery type: 1.5V AAA battery x 2, user replaceable.

6 Notice

Disposal of your old product and battery



Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.

Remove the disposable battery

To remove the disposable batteries, see the section 'Install/replace the Remote Control battery'.

Environmental protection and sustainability

We have omitted all unnecessary packaging and make sure it is eco-friendly and sustainable.

Trademarks



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7 FAQ

No power

- Make sure the AC power cord and AC input connector are connected properly.
- Make sure there is power supply.
- Make sure the Soundbar has turned on.

No sound

- Make sure the audio cable is connected to the Soundbar and your device.
- Make sure you have selected the correct source.
- Press up button to increase the volume level.
- Make sure the Soundbar is not muted.

Low voice

- Use the Remote Control to adjust the volume.

The Remote Control does not work.

- Make sure you have selected the correct source.
- Make sure the distance of Remote Control and the Soundbar is within operational range.
- Make sure the battery is correctly inserted and is working.
- Make sure the Remote Control is close to the Remote Control sensor of the Soundbar.

I hear distorted sound.

- Make sure all cables are properly connected.
- Make sure you have selected the correct source.
- Make sure the TV is muted if you play audio from the TV.

I cannot find the Bluetooth name of this Soundbar on my Bluetooth device.

- Make sure the Bluetooth function is activated and led blink quickly. If the led is always on, long press Remote bluetooth button to make the led fast blink.
- Make sure the Soundbar has paired with your Bluetooth device.

TCL support:

Please visit www.tcl.com

**WE ARE
READY TO
HELP** contact us first
with any questions



**TAKE CARE WHEN
REMOVING THE SOUNDBAR**

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