JBL BAR STUDIO

TABLE OF CONTENTS

1. INTRODUCTION

Thank you for purchasing the JBL BAR STUDIO. The JBL BAR STUDIO is designed to bring an extraordinary sound experience to your home entertainment system. We urge you to take a few minutes to read through this manual, which describes the product and includes step-by-step instructions to help you set up and get started.

CONTACT US: If you have any questions about JBL BAR STUDIO, its installation or its operation, please contact your retailer or custom installer, or visit our website at: www.JBL.com.

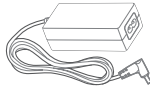# 2. WHAT'S IN THE BOX

Soundbar

x1

Remote Control
Battery size of remote control: CR2025

x1

Power Adaptor
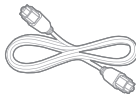(4ft, 1200mm)

x1

Power Cables*
(5ft, 1500mm)

x1

*Power cable types and numbers varied by regions

Optical Cable
(4ft, 1200mm)

x1

AUX cable
(4ft, 1200mm)

x1

Wall Mount Brackets
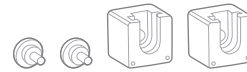
x1

Product Information & Wall-mounted guide

x1

3. PLACE YOUR SOUNDBAR

3a. Place the Soundbar on the table
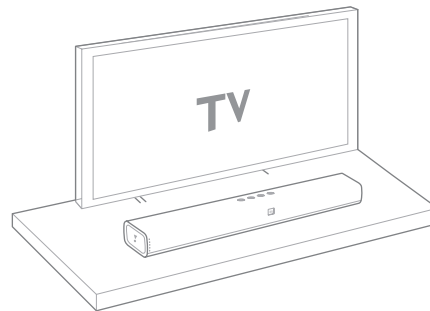
3b. Wall mount the Soundbar

Use tape to stick the wall-mounted paper guide on the wall, push a pen tip through the center of each mounting hole to mark the wall-mounted bracket location and remove the paper.

Screw the wall mount brackets on the pen mark; screw the threaded mounting post into the back of the soundbar; then hook the soundbar on the wall.

4. CONNECT YOUR SOUNDBAR

This section helps you connect your soundbar to a TV and other devices, and set up the whole system.
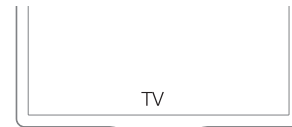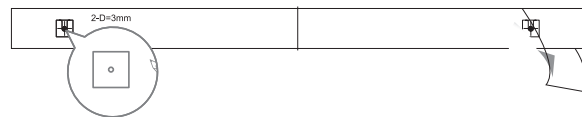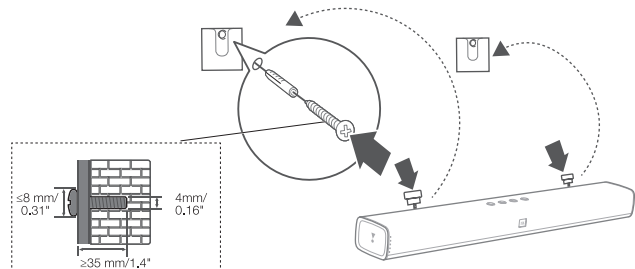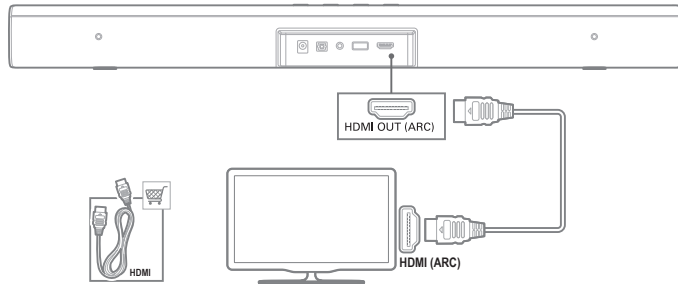
Connect Soundbar to your TV

Connect your soundbar to a TV. You can listen to audio from TV programs through your soundbar.

Connect to TV through HDMI (ARC)

An HDMI connection supports digital audio and is the best option to connect to your soundbar. If your TV supports HDMI ARC, you can hear the TV audio through your soundbar by using a single HDMI cable.

Note: Do confirm that the HDMI CEC function on your TV is turned on.

Connect to TV through Optical

An Optical connection supports digital audio and is an alternative to an HDMI audio connection.
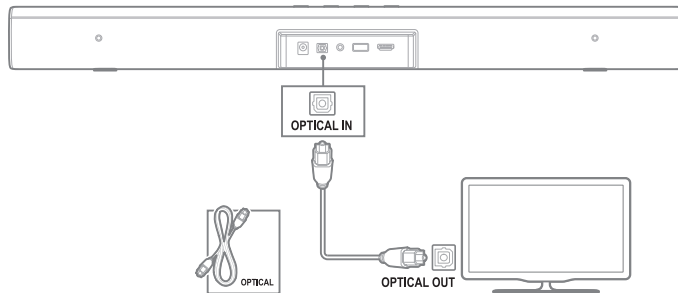
Note: Confirm to set your TV audio settings to support "external speakers" and disable the built-in TV speakers.

Connect Soundbar to other devices

Connect devices through analog audio cables

Using an analog cable, connect the AUX IN (3.5mm jack) on your soundbar to the AUX IN/ 3.5mm connectors on your portable devices.
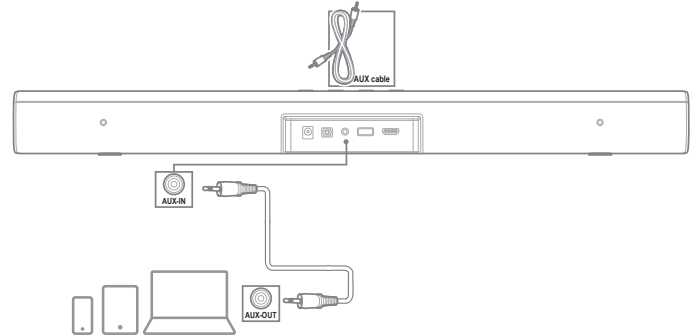
How to power on your soundbar system

5. USE YOUR SOUNDBAR SYSTEM

1. **To Control**

a. How to use top panel controls

Power   Volume   Volume   Source
          Down   Up

b. How to use Remote Control

1) Power
2) Bluetooth
3) Aux
4) HDMI
5) Shuffle / Repeat*
6) USB
7) Optical
8) Volume +
9) Volume -
10) Mute
11) Bass +
12) Bass –
13) Sound mode**
14) Night mode On / Off
15) Audio Feedback On / Off
16) Surround On / Off

*For USB playback only; switch between shuffle/ repeat all/ repeat one/ off
**Switch between standard/ movie/ music/ voice/ sports sound mode

c. Source LED indication

- USB
- BLUETOOTH
- AUX
- OPTICAL
- HDMI ARC

2. How to use Bluetooth with your Soundbar

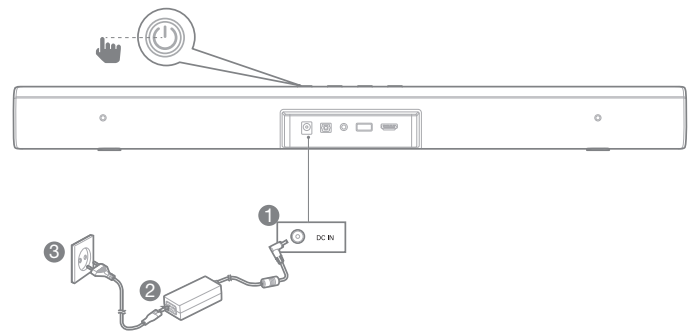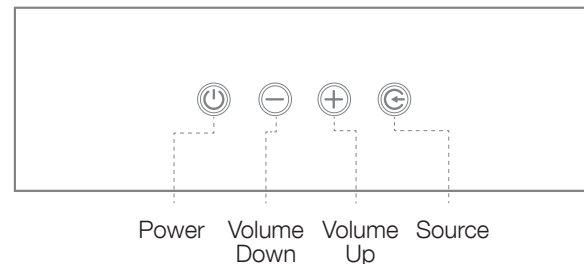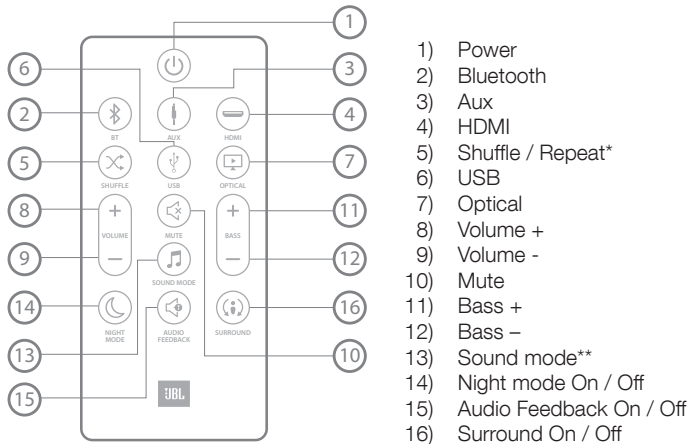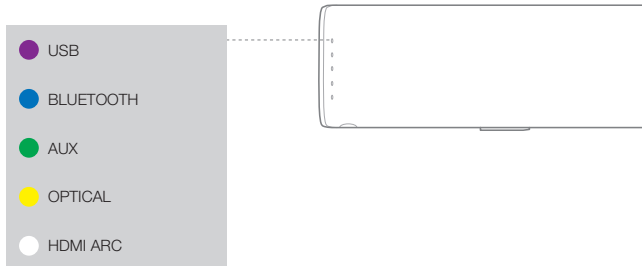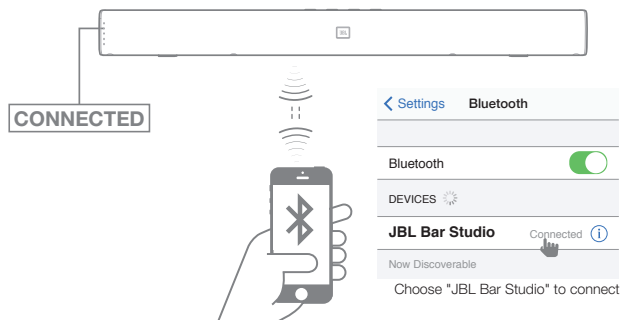a) Press Remote Control Bluetooth button to enter Bluetooth source

PAIRING

b) Select "JBL Bar Studio" to pair with the soundbar
Steps: Setting -> Bluetooth -> JBL Bar Studio

CONNECTED

| Settings | Bluetooth |

Bluetooth
DEVICES
JBL Bar Studio Connected
Now Discoverable
Choose "JBL Bar Studio" to connect

Remark: Press and hold remote control Bluetooth button for 3 seconds if you want to pair another mobile device

3. How to use a USB device

Play music files located on USB storage devices through the soundbar.

1. Connect a 2.0 USB drive to your soundbar on the back of your device.

2. Press "USB" button on the remote control. If USB is detected, music will start playing automatically.

Shuffle

Press "SHUFFLE" button to switch between shuffle/ repeat all/ repeat one/ off

(Default)
Off   Shuffle   Repeat all   Repeat one
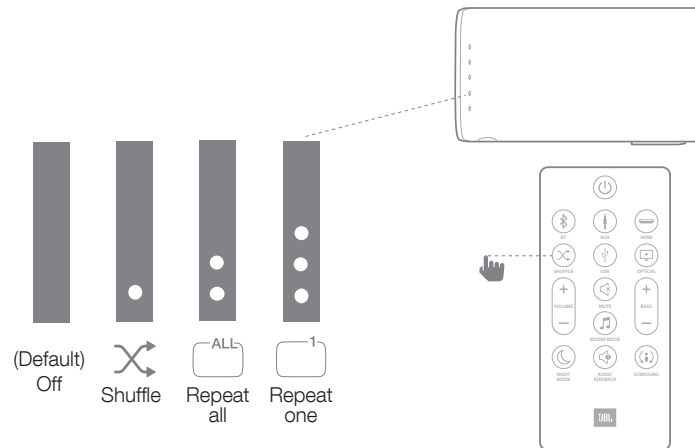
Before you connect a USB device, be aware of the following:

- Playback sequence is by actual physical address in USB device.

- This soundbar can play files that contain numbers or English characters only. Other languages and symbol may not be supported.

- Do not remove the USB device while it is transferring files.

- DRM-protected music files (MP3, WMA) from commercial web sites cannot be played.

Compatible USB devices

- MP3 Player : Flash type MP3 player.

- USB Flash Drive : Devices that support USB 2.0.

- Some USB devices may not be supported.

USB device requirement

- Devices which require additional program installation connected to a computer, are not supported.

- Do not extract the USB device while in operation.

- For a large capacity USB, it may take longer than a few minutes to be searched. The soundbar does not support USB devices with 2000 files or more on it.

- The soundbar USB port cannot be connected to PC. Your soundbar can not be used as storage device.

- The exFAT and NTFS file system is not supported on this unit. (FAT16/FAT32 systems are available.)

- Depending on some devices, it may not available to recognize the followings on this unit.

 -- External HDD
 -- Card readers
 -- Locked devices
 -- Hard type USB devices
 -- USB hub
 -- Using USB extension cable
 -- iPhone/iPod/iPad
 -- Android device

6. SOUND SETTING

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

Before you start

- Make the necessary connections described in the user manual.
- On the soundbar, switch to corresponding source for other devices.

Adjust the volume

- Press VOLUME +/- button to increase or decrease a volume level.
- To mute sound, press MUTE button.
- To restore the sound, press MUTE button again or press VOLUME +/- button

Choose sound effect

1. Surround sound mode

- Experience an immersive audio experience with JBL surround sound mode.
- Press SURROUND button to turn surround mode on or off.

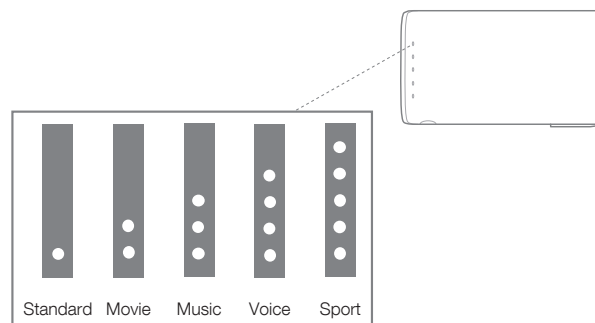| LED behaviour		
Surround On		LED with blink white 2 times, then keep constant white for 5 seconds
Surround Off		LED with blink white 2 times

- On: Create a surround listening experience.
- Off: Two-channel stereo sound. Ideal for listening to music.

2. Bass

- Press BASS +/- to change the bass level.

3. Sound mode

- Select predefined sound modes to suit your video or music.
- Press SOUND MODE button to select a sound option.
- Select the STANDARD mode if you want to enjoy the original sound.
- Select the MOVIE, MUSIC, VOICE, SPORT mode depending on the content you want to listen to.

Standard   Movie   Music   Voice   Sport

4. Night mode

- For quiet listening, night mode decreases the volume of loud sounds when audio is played.
- Night mode is only available for Dolby Digital soundtracks.
- Press NIGHT MODE button to turn night mode on or off.

LED behaviour		
Night mode On		LED with blink white 2 times, then keep constant white for 5 seconds
Night mode Off		LED with blink white 2 times

5. Audio feedback

Audio feedback enables audible tones indicate certain product features. When Audio feedback is ON, you will hear tones for specific actions on the JBL Bar Studio:

- Enter Bluetooth pairing
- Bluetooth device is connected
- Reach maximum volume
- Surround mode On/Off

LED behaviour		
Audio feedback On		LED with blink white 2 times, then keep constant white for 5 seconds
Audio feedback Off		LED with blink white 2 times

Press and hold 5 seconds SOUND button to reset default audio setting.

7. RESPOND TO YOUR TV REMOTE CONTROL

Use your own TV remote control to control your soundbar

7a. For most Samsung, LG, Sony and Vizio TVs*

The soundbar responds to your TV remote control automatically. Controllable functions are volume up/down and mute. Press and hold SHUFFLE button on soundbar remote control if you want to disable this function.

>3 s

*For non-compatible TV models, please follow section 7b and do IR remote learning

Note:
– Make sure that the sound output of your TV is set to "External speaker".
– Depending on the remote control, this function may not work well.
– This function does not operate on LG TV's magic remote control.
– This function may not work well when HDMI CEC is ON.
– Some remote control may not operate if you press repeatedly the volume button.
– If your TV remote control is not supported, follow section 7b and do IR remote learning.

7b. For other TVs, do IR remote learning

To program the soundbar to respond to your TV remote control, follow these steps. First, press and hold VOLUME+ and SOURCE button to enter learning mode.

(1) >5 s
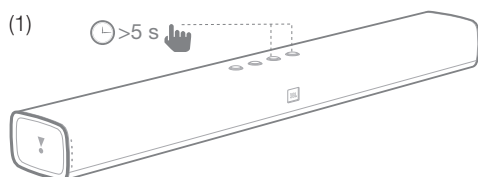
Then, press POWER button on the soundbar and press POWER button on the TV remote control

(2)

(3)
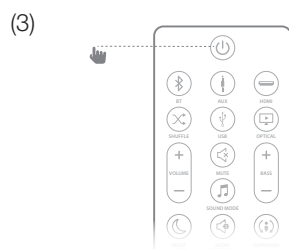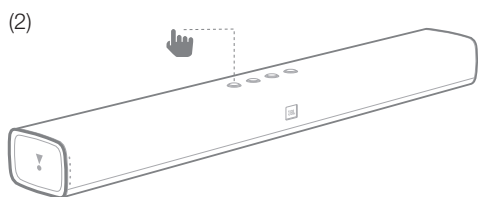
Follow the same procedure for VOLUME - and VOLUME +. For mute, press both VOLUME + and VOLUME - button on soundbar and press MUTE button on TV remote control. Press and hold VOLUME+ and SOURCE button on soundbar again for 5 seconds and now your soundbar responds to your TV remote control*.

*Depending on TV models, the soundbar may not respond to TV remote control.

8. SYSTEM

1. Auto standby
This soundbar automatically switches to standby after 10 minutes of button inactivity and no audio/video play from a connected device.

2. Auto wake up
The soundbar has a signal detector that can automatically* turn the unit ON when it senses an audio signal from the last detected connection eg. AUX, Optical, Bluetooth or HDMI source.

*Depending on TV models or source devices, some devices may not be able to wake up the soundbar automatically.

3. Apply factory settings
Reset this soundbar to the default settings programmed at the factory.
• In any source mode, long press VOLUME -, VOLUME+ and SOURCE button on soundbar top panel.

4. Software Update
JBL may offer updates for soundbar's system firmware in the future. If an update is offered, you can update the firmware by connecting a USB device with the firmware update stored on it to the USB port on your soundbar. Please visit www.JBL.com or contact JBL call center to receive more information about downloading update files.

9. PRODUCT SPECIFICATIONS

General
• Power Input	:	19VDC, 2.0A
• Total Maximum Power	:	30W
• Standby Power Consumption	:	<0.5W
• Soundbar Transducer Size	:	2 x 2" woofer
		2 x 1.5" tweeter
• Max SPL	:	90db
• Frequency Response	:	60Hz - 20KHz
• Operating Temperature	:	0°C - 45°C

Input and Output
• HDMI Video Output(with Audio Return Channel)	:	1
• HDMI HDCP Version	:	1.4
• Audio inputs	:	1 Analog, 1 Optical, Bluetooth, USB

Bluetooth section
• Bluetooth Version	:	4.2
• Bluetooth Frequency Range	:	2402MHz - 2480MHz
• Max Transmitting Power	:	9dbm (EIRP)
• Modulation Type	:	GFSK, π/4 DQPSK, 8DPSK

Product dimension and weight
• Soundbar Dimensions (W x H x D)	:	614 x 58 x 86 (mm) \ 24.2" x 2.3" x 3.4"
• Soundbar Weight	:	1.4kg \ 3.1 lbs
• Packaging Dimensions (W x H x D)	:	852 x 126 x 146 (mm) \ 33.5" x 5.0" x 5.7"
• Packaging Weight (Gross)	:	2.76kg \ 6.1 lbs

Note: JBL Bar Studio can only support sample rate <=96K audio but cannot support >96K audio content. There will be some expected noise output if you are playing those frequency >96K audio content.

10. TROUBLESHOOTING

If you have problems using this product, check the following points before you request service.

System

The unit will not turn on.

• Check if power cord is plugged into the outlet and the soundbar

Sound

No sound from soundbar.

• Make sure that the soundbar is not muted.

• On the remote control, select the correct audio input source

• Connect the audio cable from your soundbar to your TV or other devices.

• Reset your soundbar to its factory settings via press and hold VOLUME -, VOLUME+ and SOURCE button on soundbar top panel

Sound is strange after sound setting adjustment

• Reset audio setting by press and hold SOUND button on remote control for 5 seconds

Distorted sound or echo.

• If you play audio from the TV through the soundbar, make sure that the TV is muted.

Bluetooth

A source device cannot connect with the soundbar.

• You have not enabled the Bluetooth function of the source device. See the user manual of the source device on how to enable the function.

• The soundbar is already connected with another Bluetooth device. Press and hold Bluetooth button on your remote control to disconnect the connected source device, then try again.

• Reboot your Bluetooth device and try to pair again with the soundbar.

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

• The Bluetooth reception is poor. Move the source device closer to the soundbar, or remove any obstacle between the source device and the soundbar.

The connected Bluetooth device connects and disconnects constantly.

• The Bluetooth reception is poor. Move your source device closer to the soundbar, or remove any obstacle between your Bluetooth device and the soundbar.

• For some Bluetooth device, the Bluetooth connection can be deactivated automatically to save power. This does not indicate any malfunction of the soundbar.

Remote Control

The remote control does not work.

• Check if the batteries are drained and replace with new batteries.

• If the distance between the remote control and the main unit is too far, move it closer to the unit.

TR04281_A