JVC

2.1ch Dolby Atmos Sound bar with Built-in woofer

Model: JVB66223

User Manual

Dolby Atmos

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

Bluetooth

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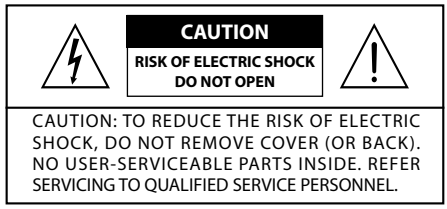
1. Important Safety Instructions



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.

1.1 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 a 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 Only use attachments/accessories specified by the manufacturer.

11 Unplug the apparatus during lightning storms or when unused for long periods of time.

12 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.

13 ⧈ 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.

14 The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.

15 Minimum distance around the apparatus for sufficient ventilation is 5cm.

16 The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers,table-cloths, curtains, etc…

17 No naked flame sources, such as lighted candles, should be placed on the apparatus.

18 Batteries should be recycled or disposed of as per state and local guidelines.

19 The use of apparatus in moderate climates.

1.2 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.

1.3 Warning

- The battery (batteries or battery pack) shall 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.
- 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.
- 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.

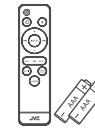
⚠ **Battery usage CAUTION**

To prevent battery leakage which may result in bodily injury, property damage, or damage to the apparatus:

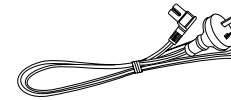
- Install all batteries correctly, + and - as marked on the apparatus.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (Carbon-Zinc) or rechargeable (Ni-Cd, Ni- MH, etc.) batteries.
- Remove batteries when the unit is not used for a long time.

2. What's in the Box

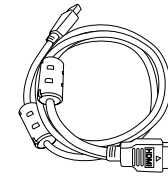
Soundbar



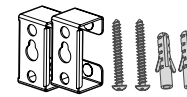
Remote Control /
AAA Batteries x 2



AC Power Cord



HDMI Cable

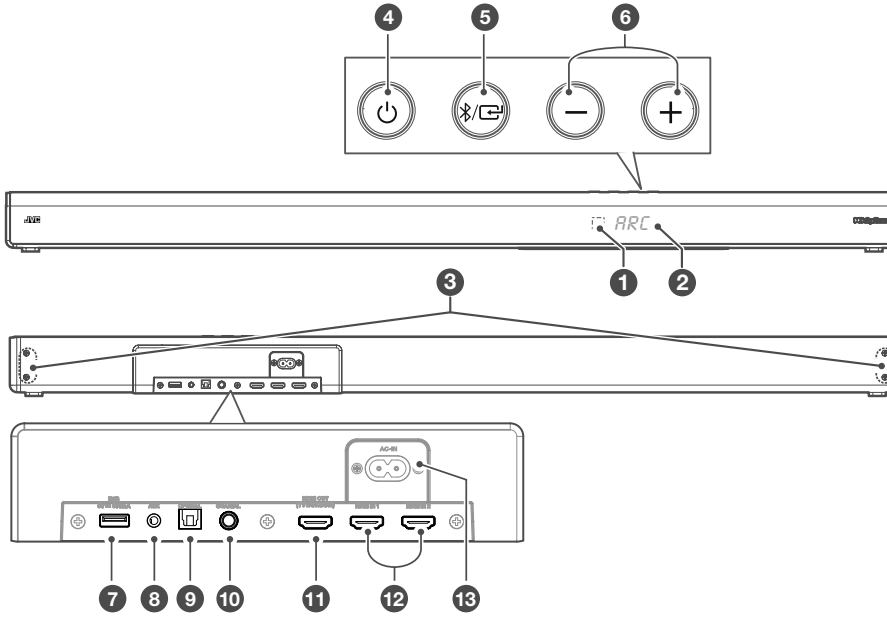


Wall Mounting Bracket × 2
Screw × 2 / Dowel × 2

- Images, illustrations and drawings shown on this User Manual are for reference only. Actual product may vary in appearance.

3. Identifying the Parts

3.1 Soundbar



① **Remote Control Sensor**
Receive signal from the remote control.

② **Display Window**
Show the current status.

③ **Wall bracket screws**

④ ⏻ **(ON/OFF)** button
Switch the soundbar between ON and Standby mode.

⑤ **(SOURCE)** button
Select the play function.
Press and hold to activate the pairing function in Bluetooth mode or disconnect the existing paired Bluetooth device.

⑥ **+/−** (volume) buttons
Increase/decrease the volume level.

⑦ **USB** Socket
Insert the USB device to play music.

⑧ **AUX** Socket
Connect to an external audio device.

⑨ **OPTICAL** Socket
Use to connect to the OPTICAL OUT socket on an external device.

⑩ **COAXIAL** Socket
Use to connect to the COAXIAL OUT socket on an external device.

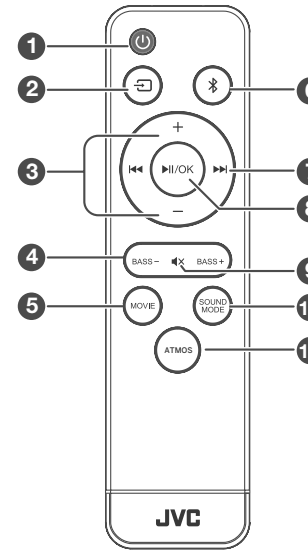
⑪ **HDMI OUT (TV eARC/ARC)** Socket
The port for connecting a TV. The port supports the eARC/ARC HDMI feature, which allows the soundbar to play audio that originates on the connected TV.

⑫ **HDMI IN (1/2)** Sockets
Two HDMI ports for connecting HDMI source devices, such as a DVD player, Blu-ray Disc™ player, or gaming console. Note that only one HDMI input is usable at a time.

⑬ **AC~** Socket
Use to connect to power cable.

3.2 Remote Control

①	⏻	Switch the soundbar between ON and STANDBY mode.
②	⏏	Select the play function.
③	+/−	Increase/decrease the volume level.
④	BASS+ BASS−	Adjust bass level.
⑤	MOVIE	Select (Movie) Equalizer Effect.
⑥	ᛒ	Select the Bluetooth mode.
⑦	⏮ / ⏭	Skip to previous/next track in Bluetooth/USB mode.
⑧	⏯ / OK	Play/pause/resume playback in Bluetooth/USB mode. Press and hold to activate the pairing function in Bluetooth mode or disconnect the existing paired Bluetooth device.
⑨	🔇	Mute or resume the sound.
⑩	SOUND MODE	Select Equalizer (EQ) Effect. (Voice / Movie / Music / Sport / Night / Custom)
⑪	ATMOS	Virtual Surround decoder on/off. (SUR ON / SUR OFF)



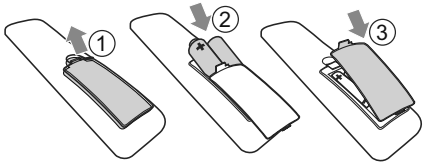
4. Preparations

4.1 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 6 meters, 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.

4.2 Replace the Remote Control Battery



1 Press and slide the back cover to open the battery compartment of the remote control.

2 Insert two **AAA** size batteries (included). Make sure the (**+**) and (**–**) ends of the batteries match the (+) and (–) ends indicated in the battery compartment.

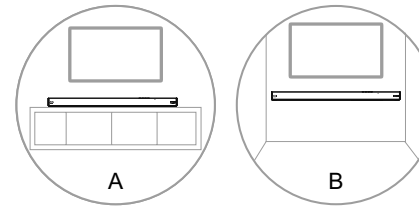
3 Close the battery compartment cover.

5. Placement and Mounting

5.1 Placement

A If your TV is placed on a table, you can place the soundbar 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 soundbar on the wall directly below the TV screen.



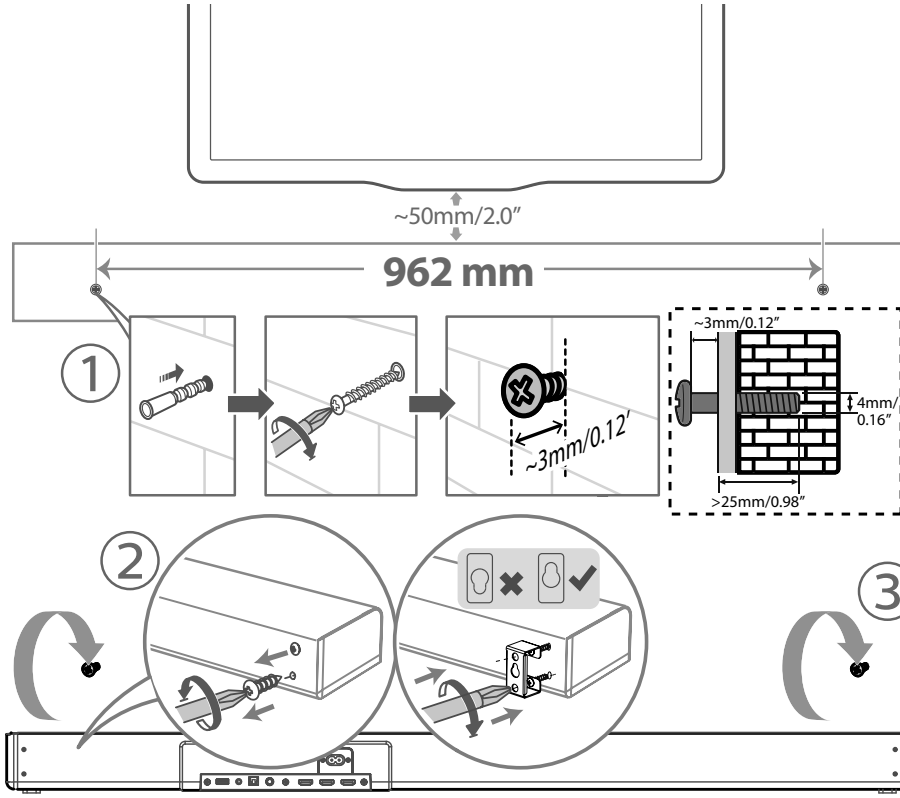
5.2 Wall Mounting (if using option-B)

- Improper wall mounting may result in accident, injury or damage. If you have any query, contact 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 rubber feet at the bottom of the Soundbar, otherwise the rubber feet cannot be fixed back.
- Depending on the type of wall mounting your Soundbar, make sure that you use screws of a suitable length and diameter.
- Please check whether the USB port on the back of the Soundbar is connected to a USB device. If it is found that the connected USB device affects the wall-mount, you need to use another USB device of the appropriate size.

WARNING

- To prevent injury, this apparatus must be securely attached to the wall in accordance with the installation instructions.
- Suggested wall mounting height: ≤ 1.5 meters.

1. Fix two dowel and screws (included) onto the wall (for the concrete wall, use the dowels and make sure each screws goes more than 25mm into the wall. for any plasterboard and stud wall, make sure the screws are installed 25mm or more into the studs and not just into the plasterboard.) . They should be on the same level.
   - The distance between the two screws should be 962mm.
   - Leave a 3mm gap between the wall and the screw's head.
2. Remove the screws at the back of the soundbar. Install the wall mounting brackets (supplied) into the back of the soundbar make sure the small notch for the mounting hole is facing up.
3. Lift the sound bar and secure the wall mounting holes to the wall screws.



6. Connections

6.1 Dolby Atmos®

Dolby Atmos® gives you immersive listening experience by delivering sound in three dimensional space, and all the richness, clarity, and power of Dolby sound. For more information, please visit dolby.com/technologies/dolby-atmos

For using Dolby Atmos®

Dolby Atmos® is available only in HDMI mode. For the details of the connection, please refer to "**HDMI Connection**".

1. To use Dolby Atmos® in HDMI1, HDMI2 and HDMI ARC/eARC mode, your TV has to support Dolby Atmos®.
2. Make sure that "No Encoding" is selected for bitstream in the audio output of the connected external device (e.g. Blu-ray DVD player, TV etc.).
3. While entering Dolby Atmos® / Dolby Digital format, the soundbar will show DOLBY ATMOS / DOLBY AUDIO.

Tips:

- The full Dolby Atmos® experience is only available when the soundbar is connected to the source via a HDMI 2.0 cable.
- The soundbar will still function when connected via other methods (such as a Digital Optical cable) but these are unable to support all of the Dolby features. Given this, our recommendation is to connect via HDMI, in order to ensure full Dolby support.

6.2 HDMI Connection

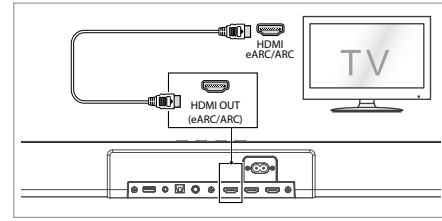
Some 4K HDR TVs require the HDMI input or picture settings to be set for HDR content reception. For further setup details on HDR display, please refer to the instruction manual of your TV.

Using HDMI to connect the soundbar, AV equipment and TV:

Method 1:

eARC / ARC (Enhance Audio Return Channel)

The eARC / ARC (Enhance Audio Return Channel) function allows you to send audio from your ARC-compliant TV to your soundbar through a single HDMI connection. To enjoy the ARC function, please ensure your TV is both HDMI-CEC and ARC compliant and set up accordingly. When correctly set up, you can use your TV remote control to adjust the volume output (volume +/- and MUTE) of the soundbar.



- Connect the HDMI cable from soundbar's **HDMI OUT (TV eARC/ARC)** socket to the HDMI (ARC) socket on your ARC compliant TV. Then press the remote control to select **HDMI eARC**.

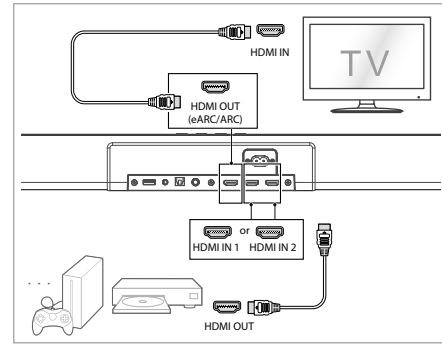
Tips:

- Your TV must support the HDMI-CEC and ARC function. 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 TV owner's manual.
- ARC only works with devices that are HDMI ARC capable as well as with an HDMI 1.4 cable (and higher).

Method 2: Standard HDMI

- If your TV is not HDMI ARC-compliant, connect your soundbar to the TV through a standard HDMI connection.

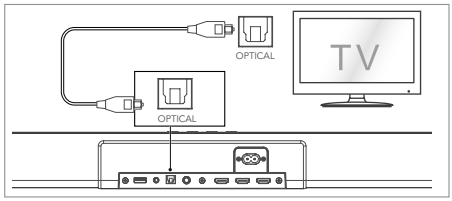
1. Use an HDMI cable to connect the soundbar's **HDMI OUT (eARC/ARC)** socket to the TV's HDMI IN socket.



2. Use an HDMI cable to connect the soundbar's **HDMI IN (1 or 2)** socket to your external devices (e.g. games consoles, DVD players and Blu-ray).

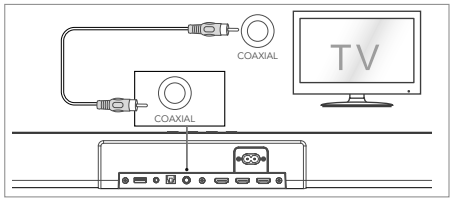
6.3 Use the OPTICAL Socket

- You also can use the OPTICAL cable to the TV's OPTICAL OUT socket and the **OPTICAL** socket on the soundbar.



6.4 Use the COAXIAL Socket

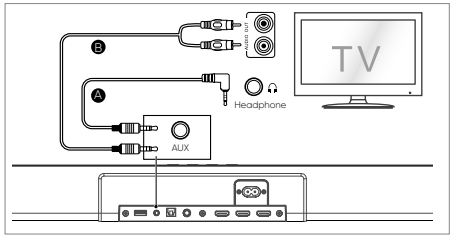
- You also can use the COAXIAL cable to connect the TV's **COAXIAL OUT** socket and **COAXIAL** socket on the soundbar.



- The unit may not be able to decode all digital audio formats from the input source. In this case, the unit will mute. The display will show **"Unsupported Sound Format. Please refer to instruction book to change sound format to PCM"**. This is NOT a defect. Ensure that the audio setting of the input source (e.g. TV, game console, DVD player, etc.) is set to PCM or Dolby Digital (Refer to the user manual of the input source device for its audio setting details) with HDMI/ Optical/Coaxial input.

6.5 Use the AUX Socket

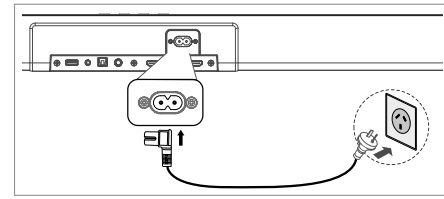
A. Use a 3.5mm to 3.5mm audio cable to connect the TV's or external audio device headphone socket to the **AUX** socket on the soundbar.



B. Use a RCA to 3.5mm audio cable to connect the TV's audio output sockets to the **AUX** socket on the soundbar.

6.6 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 soundbar.
- Before connecting the AC power cord, ensure you have completed all other connections.
- Connect the mains cable to the **AC~** socket of the soundbar and then into a mains socket.



7. Basic Operation

7.1 Standby/ON

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

- Press the ⏻ button on the soundbar or on the remote control to switch the soundbar **ON**.
- Press the ⏻ button again to switch the soundbar back to **STANDBY** mode.
- Disconnect the mains plug from the mains socket if you want to switch the soundbar OFF completely.
- If a TV or an external device is connected with eARC/ARC, the soundbar will switch on automatically when the TV or the external device is switched on.

7.2 Select Modes

Press the ᛒ / ⏎ (SOURCE) button on the soundbar or the ⏎ button on the remote control to select the **AUX**, **Bluetooth, Optical, Coaxial, HDMI 1, HDMI 2, HDMI eARC**, **USB** mode. The current audio input mode is shown in display.

7.3 Adjust the Bass Level

Press the **BASS +/−** buttons on the remote control to adjust bass level.

7.4 Turn the Surround Sound ON/OFF

Press the **ATMOS** button on the remote control to turn on the surround sound. Press this button again to turn off the surround sound.

7.5 Select Equalizer (EQ) Effect

Press the **SOUND MODE** button to select your desired preset equalizer effects.

- **VOICE:** Create sound effect which makes human voice more clear and outstanding for listening.
- **MOVIE:** Create a surround listening experience. Ideal for watching movies.
- **MUSIC:** Create two-channel or multi-channel stereo sound. Ideal for listening to music.
- **SPORT:** Create an atmosphere as if watching a sports game in a stadium.
- **NIGHT:** Rrecommended for listening at night.
- **CUSTOM:** Customize the sound based on your preferences.

7.6 Adjust the Volume

- Press the **+/— (VOL)** buttons on the soundbar 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)** buttons on the soundbar or on the remote control to resume normal listening.

7.7 About the Display Brightness

- After the unit is idle for about 30 seconds, the display will automatically dim. The display will further dim if the unit is idle for another 30 seconds. The display brightness will return normal once you press any button. (excerpt ⏻ button).

8. AUX / OPTICAL / COAXIAL / HDMI Operation

1 Ensure that the soundbar is connected to the TV or audio device.

2 Press the ᛒ / ⮐ (SOURCE) button on the soundbar or the ⮐ button on the remote control to select the **AUX**, **Optical, Coaxial, HDMI 1, HDMI 2, HDMI eARC**.

3 Operate your audio device directly for playback features.

4 Press the **VOL +/—** button to adjust the volume to your desired level.

Tip:

- The soundbar may not be able to decode all digital audio formats from the input source. In this case, the soundbar will mute. The display will show "**Unsupported Sound Format. Please refer to instruction book to change sound format to PCM**". This is NOT a defect. Ensure that the audio setting of the input source (e.g. TV, game console, DVD player, etc.) is set to **PCM** or **Dolby Digital** (Refer to the user manual of the input source device for its audio setting details) with **HDMI/Optical/Coaxial** input.
- When selecting a different audio format, the soundbar will display the following as follows:

Audio (abbreviation)	Display
Dolby Digital	DOLBY AUDIO
Dolby TrueHD	DOLBY AUDIO
Dolby Digital Plus	DOLBY AUDIO
Dolby Atmos - Dolby TrueHD	DOLBY ATMOS
Dolby Atmos - Dolby Digital Plus	DOLBY ATMOS

9. Bluetooth® Operation

Pairing the soundbar with a Bluetooth® device to listen to music:

First time pairing

1. Press the ᛒ / ⮐ button repeatedly on the soundbar or press ᛒ button on the remote control to select Bluetooth® mode. The display will show **BLUETOOTH READY**.
2. On the Bluetooth device, switch on Bluetooth, search for and select "**JVB66223**" to start connection
3 Wait until you hear the voice prompt from the soundbar.
4 Select and play audio files or music on your Bluetooth device.

Pairing a new device after first time pairing:

Press and hold the ▶II **/ OK** button on the remote control or ᛒ / ⮐ button on the soundbar to disconnect from current Bluetooth connected devices and enter the Bluetooth pairing mode. Follow step 2-3 to pair your Bluetooth® device.

Listen to Music from Bluetooth® device

If your Bluetooth® device supports A2DP, play music via your device.

If your Bluetooth® device supports AVRCP, use the supplied remote control to control play.

- To increase/decrease the volume, press **+/−** button.
- To pause/resume playback, press ▶II **/ OK** button.
- To skip to a track, press ⏮ / ⏭ button.

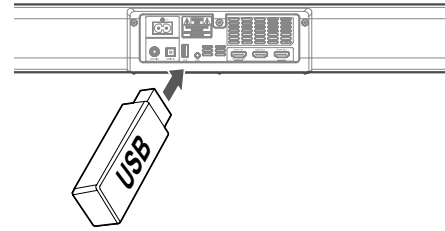
Note:

- The operational range between the soundbar and the device is approximately 8 metres.
- Before connecting a Bluetooth® device to the soundbar, ensure you know the device's capabilities.
- Compatibility with all Bluetooth® devices is not guaranteed.
- Any obstacle between the device and the soundbar can reduce operational range.
- Keep this player away from other electronic devices that may cause interference.
- The player will also be disconnected when your device is moved beyond the operational range.

10. USB Operation

By connecting a USB mass storage device (e.g. USB flash drive) to this soundbar, you can enjoy the device's stored music through the soundbar.

1. Insert the USB device.
2. Press the ᛒ / ⮐ (SOURCE) button on the soundbar or the ⮐ button on the remote control to select **USB** mode.



- Press ▶II **/ OK** button to pause/resume playback.
- To skip to a track, press ⏮ / ⏭ button.

- The player supports the USB music file format of MP3 only.
- The unit can support USB devices with up to 32 GB of memory.
- This product may not be compatible with certain types of USB storage devices. If you use a USB extension cable, USB hub, or USB Multifunctional card reader, the USB storage device may not be recognized.

11.Troubleshooting

To keep the warranty valid, never try to repair the system yourself. If you encounter problems when using this soundbar, 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.
No sound	• Make sure that the unit is not muted. Press MUTE or VOL+/VOL– button to resume normal listening. • Press ⏻ button on the unit or on the remote control to switch the soundbar to standby mode. Then press the ⏻ button again to switch the soundbar on. • Ensure the audio setting of the input source (e.g. TV, game console, DVD player, etc.) is set to PCM or Dolby Digital mode while using digital (e.g. HDMI, OPTICAL, COAXIAL) connection. • The unit may not be able to decode all digital audio formats from the input source. In this case, the unit will mute. This is NOT a defect.device is not muted.
TV has display problem while viewing HDR content from HDMI source.	• Some 4K HDR TVs require the HDMI input or picture settings to be set for HDR content reception. For further setup details on HDR display, please refer to the instruction manual of your TV.
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.
The Soundbar turns off	• When the Soundbar's external input signal level is too low, the Soundbar will be automatically turn off after 15 minutes. Please increase the volume level of your external device.
Can't achieve outstanding Dolby Atmos® effects.	• For non-HDMI connections (such as use of USB, Bluetooth, OPTICAL or AUDIO IN), limited height Surround effects are generated. See the section of '**Dolby Atmos®**' about how to achieve best Dolby Atmos® effects.

12.Specifications

Brand	**JVC**
Model	**JVB66223**

Soundbar

Power Supply	100-240V~ 50/60Hz
Power Consumption	30 W < 0.5 W (StandBy)
USB	5V ⎓ 500mA Hi-Speed USB (2.0) / FAT32 / FAT16 32G (max) , MP3
Dimension (WxHxD)	1000 x 67 x 105 mm
Net weight	3.5 kg
Audio input sensitivity	700mV
Frequency Response	40Hz - 20KHz

Wireless Specification

Bluetooth version / profiles Bluetooth frequency range Bluetooth Max. transmitting power	V 5.3 (A2DP, AVRCP) 2402 MHz - 2480 MHz ≤ 7 dBm
Modulation Type	GFSK, π/4 DQPSK

Amplifier (RMS Output power)

Total	120 W
Soundbar	30W x 2 (8Ω) + 60W (4Ω)

Remote Control

Distance / Angle	6m / 30°
Battery type	AAA (1.5V x 2)

• Design and specifications are subject to change without notice.

Responsible Disposal

At the end of its working life, do not throw this product out with your household rubbish. Electrical and electronic products contain substances that can have a detrimental effect on the environment and human health if disposed of inappropriately. Observe any local regulations regarding the disposal of electrical consumer goods and dispose of it appropriately for recycling. Contact your local authorities for advice on recycling facilities in your area.

Please keep the original packaging carton and materials in a safe place. It will help to prevent any damage if the product needs to be transported in the future. In the event it is to be disposed of, please recycle all packaging material where possible.

Two Year WARRANTY

We pride ourselves on producing a range of quality home products that are both packed with features and completely reliable. We are so confident in our products, we back them up with a two year warranty. Now you too can relax knowing that you are covered.

Customer Helpline NZ: 0800 422 274.

This Product is covered by one year warranty when accompanied by proof of purchase.

WARRANTY CARD

This product is guaranteed against faulty materials and workmanship for a period of 2 years from the date of purchase with proof of purchase. Under this warranty, the warrantor's obligation to the purchaser is to remedy manufacturing faults by repairing or replacing faulty parts or, if unable to be remedied, replacing or refunding the product with proof of purchase. This warranty becomes void if the product has been tampered with or damaged in any other way by improper use. This product has been quality inspected. In the unlikely event of a deficiency, please contact the retailer from which this product was purchased.

WARRANTY FOR PRODUCTS USED COMMERCIALLY LIMITED TO 90 DAYS

Please fill this in upon purchase in case you lose your receipt.
Model Number : _____
Serial Number : _____
Date of Purchase : _____
Receipt Number : _____
Store Purchased from :_____

IMPORTANT

Please retain this warranty card along with your purchase receipt. Please do not post to the retailer or importer. If service is required, both of these documents are to be returned with the product to your retailer, otherwise a fee may be charged.

Customer support line 0800 422 274
For assistance during normal working hours
Monday – Friday, 9am – 5pm, New Zealand local time

JVC

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