avocor™

Avocor AVC-SB1
Soundbar with HDMI and Bluetooth aptx™

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE   Bluetooth   aptX LOW LATENCY CSR

www.avocor.com

Avocor AVC-SB1
Soundbar with HDMI and Bluetooth aptX™

CONTENTS

IMPORTANT INFORMATION

READ BEFORE OPERATING EQUIPMENT

Follow all the instructions carefully before using the Avocor AVC-SB1 soundbar and keep them for future reference.

Do not use this Avocor AVC-SB1 soundbar near water.
Clean only with a dry soft cloth and unplug this soundbar from the wall outlet
Do not block any ventilation openings.
Install in accordance with the manufacturer's instructions.

WARNINGS
- To reduce the risk of fire or electrical shock, do not expose this soundbar to rain or moisture. This soundbar must not be exposed to dripping and splashing and no object filled with liquids such as a vase of flowers should be placed on the unit.
- Opening or removing covers may expose you to dangerous voltages or other hazards.
- Do not install near any heat sources such as radiators, stoves or other apparatus [including amplifiers] that produce heat.
- No naked flame sources such as candles should be placed on the soundbar.
- To prevent risk of fire or electric shock, avoid over loading wall outlets,
- This soundbar should only be connected to a mains socket outlet with a protective earthing connection.
- Unplug the soundbar from the mains supply during lightning storms or when unused for long periods of time.
- Take note of all warnings on the appliance, under no circumstances disassemble the unit or remove covers to prevent the risk of fire or electrical shock.
- Protect the power cord from being walked on or pinched, particularly at plugs and the point where they exit from the soundbar.
- Do not try to bypass 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 is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- The system is designed to comply with the recommended safety standards for tilt and stability. Do not apply excessive pulling force to the front, or top, of the cabinet which could cause the soundbar to overturn resulting in soundbar damage and/or personal injury.
- Install in accordance with the instructions in this user guide. Follow instructions for wall, shelf or ceiling mounting as recommended in this user guide.

CAUTION
- Never remove the back covers of the soundbar as this can expose you to very high voltages and other hazards. If the system does not operate properly, unplug the audio system and call your authorised dealer for advice. Adjust only those controls that are covered in the instructions.
- Third parties: In the unlikely event that you pass this soundbar on to a third party, include these operating instructions with the soundbar.
- Do not attempt to service this soundbar yourself.

POWER SOURCES

This audio system is designed to operate on 230 volts 50Hz, AC current. The main plug is used as the disconnect device and should remain readily accessible. To prevent electric shock, do not use the soundbar's mains cable with an extension cord, receptacle, or other outlet unless the blades and ground terminal can be fully inserted to prevent blade exposure. Never connect the audio system to 60 Hz DC, or anything other than the specified voltage.

ELECTRICAL INFORMATION

This system is fitted with a BS1363/A 13 amp plug. If it is not suitable for your supply sockets it must be removed and replaced with an appropriate plug. If the plug becomes damaged and/or needs to be replaced, please follow the wiring instructions below. The plug removed must be disposed of immediately. It must not be plugged into a supply socket as this will be an electrical hazard. If the fuse needs to be replaced it must be of the same rating and ASTA approved to BS1362. If the plug is changed, a fuse of the appropriate rating must be fitted in the plug, adapter or at the distribution board. If the fuse in a moulded plug is replaced, the fuse cover must be refitted before the appliance can be used.

DISPOSAL

In the EU, electronic devices cannot be disposed of with regular household waste. Please use the return or collections systems of the retailer from whom you purchased the soundbar. Please dispose of batteries in an environmentally friendly manner. Do not dispose of batteries with regular household waste. Please use the return or collections systems of the retailer from whom you purchased the soundbar.

WIRING INSTRUSTIONS

Follow the appropriate wiring instructions given below. In both cases ensure that the outer sheath of the cable is firmly held by the cable clamp.

2 - CORE PLUG

▣ This Symbol indicates that this 2 core appliance is Class II and does not require an earth connection

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

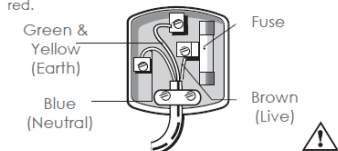The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.

Fuse

Blue (Neutral)

Brown (Live)
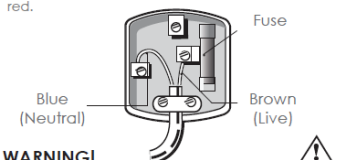
WARNING!
Do not connect either wire to the earth terminal. ⚠

3 - CORE PLUG

The wire coloured green and yellow must be connected to the terminal marked with the letter E, or by the earth symbol ⏚ or coloured green or green and yellow.

The wire coloured blue must be connected to the terminal marked with the letter N or coloured black.

The wire coloured brown must be connected to the terminal marked with the letter L or coloured red.

Fuse

Green & Yellow (Earth)

Blue (Neutral)

Brown (Live)

WARNING! This appliance must be earthed. ⚠

⚡ **CAUTION**
RISK OF ELECTRIC SHOCK
DO NOT OPEN ⚠

TO PREVENT THE RISK OF ELECTRIC SHOCK,
DO NOT OPEN THIS PRODUCT.
NO USER- SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

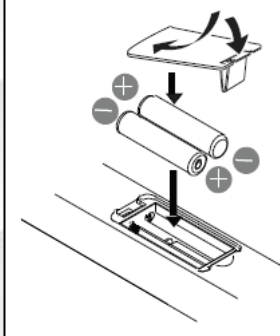# WHAT'S IN THE BOX

AVOCOR AVC-SB1 SOUNDBAR

AVOCOR AVC-SB1 REMOTE CONTROL

ACCESSORIES

- Optical Cable
- 3.5mm Stereo Cable
- Wall Fixings
- Interactive Display Soundbar Mount
- User Manual
- UK Power Cable
- 90° HDMI adapter

Battery Installation

Caution

- Do not insert battery with '+' and '-' polarities reversed as this may cause the battery to swell or rupture resulting in leakage.
- Remove the battery if the remote control is not going to be used for an extended period of time.
- Do not put the battery in the general household rubbish. Dispose of the battery according to applicable laws.

KEY FEATURES

The AVC-SB1 Soundbar is designed to provide a high quality alternative to the loudspeakers in your Interactive display. To this end it has HDMI inputs, optical digital, analogue, and Bluetooth aptX inputs. The Bluetooth input allows you to stream music content direct from your mobile, laptop or tablet wirelessly, straight to the AVC-SB1 Soundbar. The AVC-SB1 Soundbar is designed to mount either on a desktop or on a wall with the supplied wall mount fixings. It may also be mounted on bespoke bracket assemblies supplied.

ADVANCED TECHNOLOGIES IN THE AVC-SB1 SOUNDBAR

Wider Sound Stage: The AVC-SB1 Soundbar features an acoustic design utilising 2x 2.5 inch bass drivers, 2x 2.5 inch broadband drivers and 2x passive radiators. It provides 3x DSP presets of Hall, Music and Speech, each tailored to provide what we believe to be the best possible performance in each programme category.

The inputs available on the AVC-SB1 Soundbar should accommodate all interactive display panels or whiteboards, currently available, with 2x HDMI inputs and 1x HDMI output (with ARC), analogue (3.5mm stereo input), optical (Stereo) input and Bluetooth aptX (for wireless connectivity).

- 60w Speaker Output

- aptX™ Bluetooth

- 3x DSP presets - Hall, Music and Speech

- 2x HDMI inputs

- HDMI (ARC) output

- Optical & Analogue input

INSTALLATION

WALL MOUNTING

DETERMINE HOW YOU WANT TO SET UP YOUR AVC-SB1 SOUNDBAR.

The AVC-SB1 Soundbar comes with wall fixings to be used with a wall mounted Interactive Display. The inputs and power cord are designed to allow a flush mount.

FOLLOW THESE STEPS TO MOUNT THE AVC-SB1 SOUNDBAR ON A WALL:

1. Measure the width of the Interactive Display. The AVC-SB1 Soundbar should be mounted so it is centred. Divide the Interactive Display width measurement by 2 - that will be the centre line distance from the edges of the Interactive Display.

2. If the AVC-SB1 Soundbar is to be mounted below the Interactive Display, measure from the Interactive Display edge to the centre line distance on the open wall below the Interactive Display. Mark the distance with a pencil 38mm or more below the bottom of the Interactive Display.

3. Make a pencil mark 230 mm on each side of the centre line. Make sure the mark is the same distance down from the Interactive Display on each side.

4. Drill a hole in the wall at either of the two pencil marks.

5. Hammer the 2 wall mount anchors into the holes - the anchors should be flush with the wall.

6. Now, using a Phillips screwdriver, screw the wall screws into the anchors.

7. Tilting the bottom of the AVC-SB1 Soundbar slightly away from the wall, guide the brackets into the matching holes on the back of AVC-SB1. The AVC-SB1 Soundbar is now securely wall mounted.
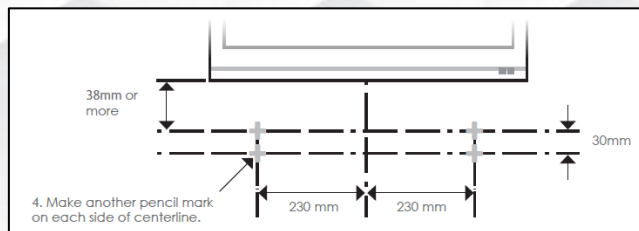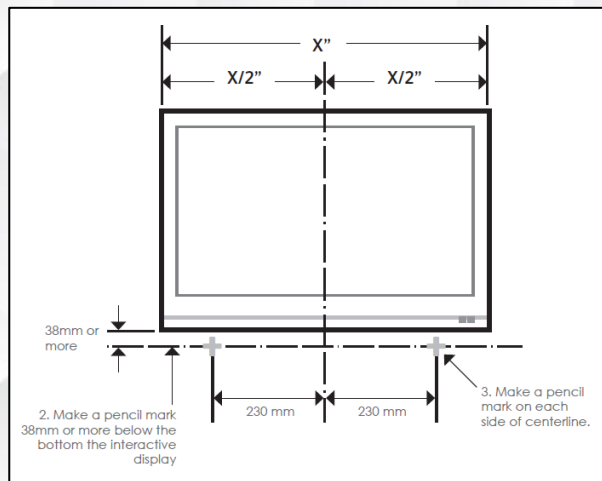
NOTES

The supplied wall fixings can be used for typical drywall construction. Mounting to wood, concrete, brick or other types of wall construction will require different hardware. Avocor recommends seeking professional assistance for such installations. The instructions on this page and the supplied wall mount kit are only for the vertical wall mount. Professional assistance is required for other mounting or installation orientations (e.g., horizontal, tilted).
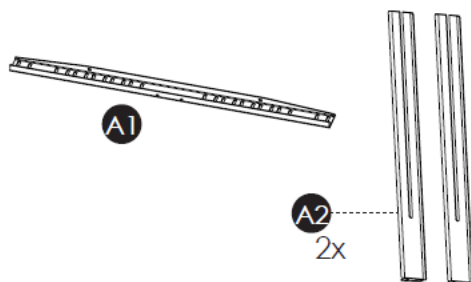
INSTALLATION

WALL MOUNTING

FOLLOW THESE STEPS TO MOUNT THE AVC-SB1 SOUNDBAR ON AN INTERACTIVE DISPLAY:
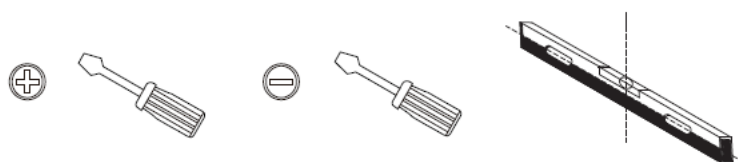
List of parts

Main parts

A1

A2
2x

Screw List

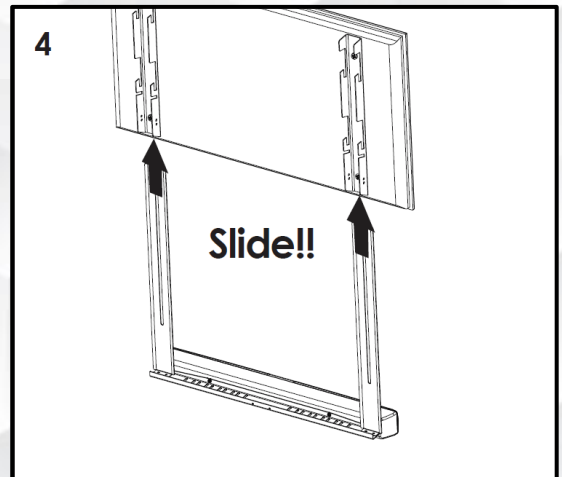| S1	
Screw M6 x 10	4X
S2	
Screw M6 x 16	2X
S3	
Nut M6	2X

You will need

Assembly Instructions

Installing Soundbar below display

1

A1

Tighten!!

S2
2X

S3 2X

2

"D"=C/C Dist.between vesa bars
(as shown in Fig.a,pg4)

X=D

A2 2X

S1 4X

A1

Loosen!!

Fig.a

D

3

Loosen!!

4

Slide!!

5

Adjust!!

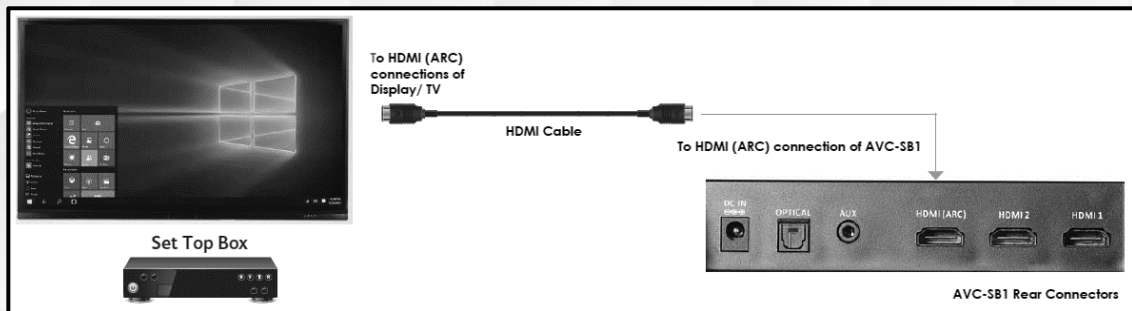**Tighten all!!**
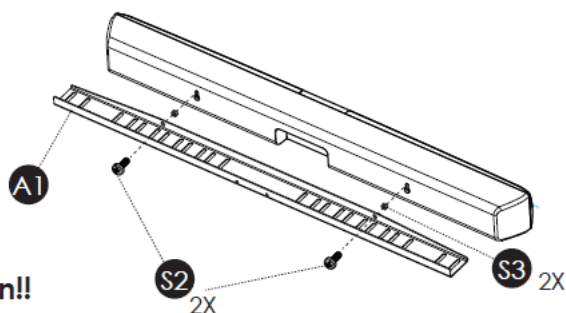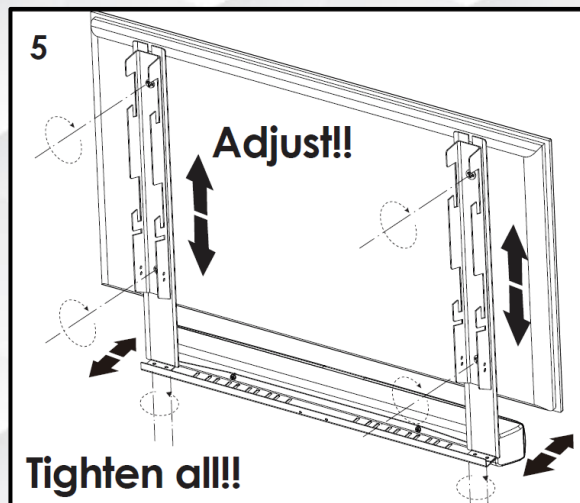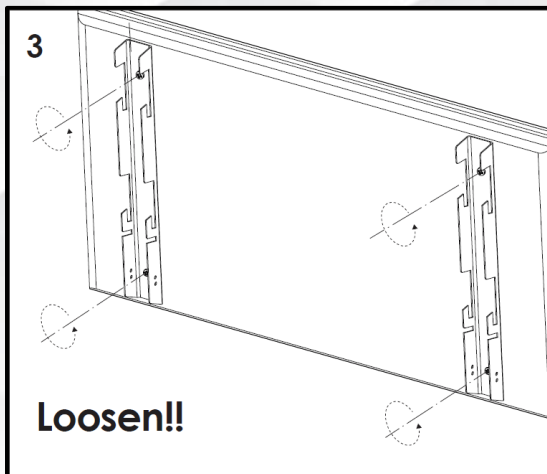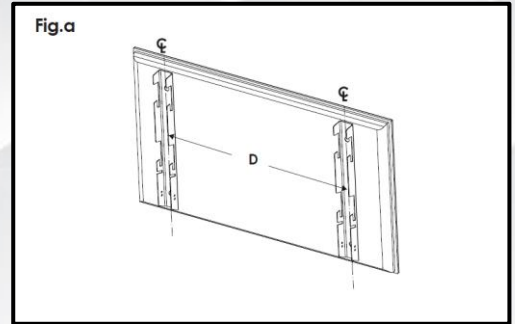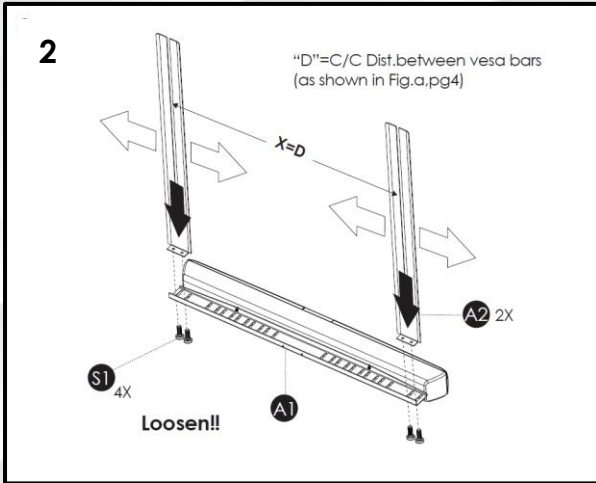
SETUP INSTRUCTIONS

INTERACTIVE DISPLAY TV/DVD/SET TOP BOX HOOKUP - CASE 1 HDMI ARC

HDMI with ARC - Use this output to connect your AVC-SB1 to your Interactive Display/TV. Please note if your TV is not ARC (Audio Return Channel) enabled you will not be able to connect this way - if this is the case, please refer to either case 2 or 3 below.

INTERACTIVE DISPLAY TV/DVD/SET TOP BOX - CASE 2 HDMI

HDMI Inputs 1 & 2 - Use these inputs to connect any HDMI enabled device - you will also have to connect an HDMI lead via ARC to your Interactive TV as this will act as an output to stream video to your Interactive Display.
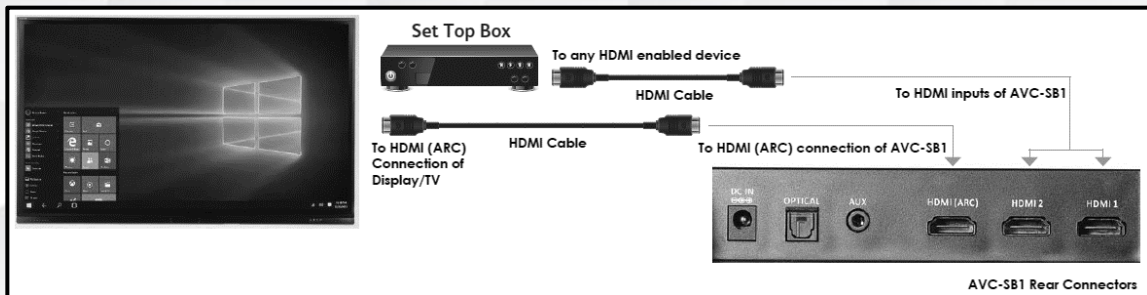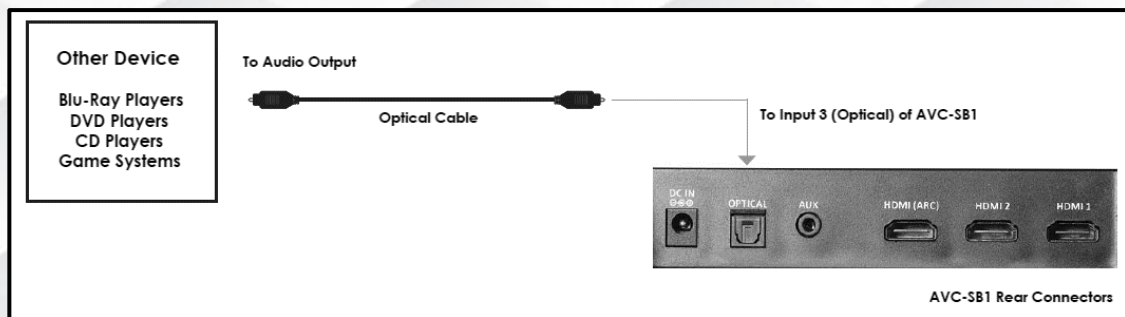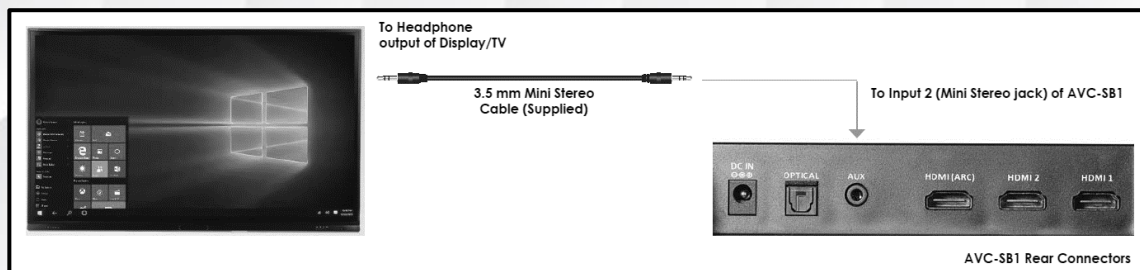
INTERACTIVE DISPLAY/TV OR OTHER DEVICE HOOKUP - CASE 3 OPTICAL

Optical Input – Use this input to connect an Interactive Display/TV (as above) or any other device such as a DVD or CD player or games console.

Other Device

Blu-Ray Players
DVD Players
CD Players
Game Systems

To Audio Output

Optical Cable

To Input 3 (Optical) of AVC-SB1

DC IN   OPTICAL   AUX   HDMI (ARC)   HDMI 2   HDMI 1

AVC-SB1 Rear Connectors

INTERACTIVE DISPLAY/TV AUDIO HOOKUP - CASE 4 AUXILIARY

If your Interactive Display/TV has a headphone output, plug a 3.5 mm mini stereo cable into the headphone output from your Interactive Display/TV and plug the other end to the Input 2 jack on the back of your AVC-SB1.

To Headphone
output of Display/TV

3.5 mm Mini Stereo
Cable (Supplied)

To Input 2 (Mini Stereo jack) of AVC-SB1

DC IN   OPTICAL   AUX   HDMI (ARC)   HDMI 2   HDMI 1

AVC-SB1 Rear Connectors

IMPORTANT SET UP NOTE

If you are using Hookup Case 3, you will need to change the output signal from the source device - this will be accessed in the sources menu and will need to be changed to either Stereo, 2.1 or PCM dependent on the terminology used in the source device.

CONTROLS & FUNCTIONS

Front Panel Controls / LED Indicators

1. REMOTE CONTROL SENSOR AREA

Point your remote control at this area when you use the remote control.

2. MODE BUTTON

Press this button to select DSP mode for Hall, Music or Speech.

3. SOURCE BUTTON

Press this button to scroll through the inputs.

4. POWER BUTTON

Press this button to turn the AVC-SB1 Soundbar on; the Power indicator will turn off to indicate the AVC-SB1 Soundbar is on. If the input becomes inactive the AVC-SB1 Soundbar will change to standby mode to conserve power and this indicator will illuminate.

5. VOLUME + & - BUTTON

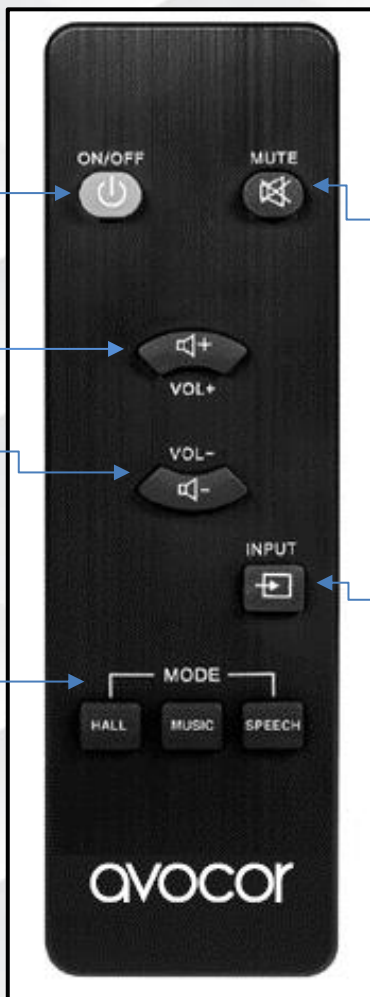Adjust the main volume up and down respectively.

REMOTE CONTROL

POWER
Press this button to turn the AVC-SB1 Soundbar on or off.

MUTE
Press this button when you want to activate the audio mute. Press it again to deactivate the mute function.

VOLUME
Press the + or - button to adjust the main volume up or down respectively

INPUT SELECTOR
Press this button to scroll through the inputs

MODE
This button is used to select one of the three presets DSP programmes, HALL, MUSIC or SPEECH.

WARRANTY

This Avocor AVC-SB1 soundbar had been designed and manufactured to the highest quality standards; however, should you encounter any problems with this soundbar please contact your local dealer.

This warranty is valid for the original owner for a period of one year from the date of purchase, it is not transferable.

WHAT IS COVERED BY THE WARRANTY:

The warranty covers all production and material defects of the soundbar, except for the specifics stated below.

WHAT IS NOT COVERED BY THE WARRANTY:

- Damage caused by packing and transport.

- Defects caused by accidents, misuse, normal wear and tear, mis-maintenance, voltage variation and overloading.

- Damage caused by incorrect installation or operation.

- Damage caused by modification or repair by a non-authorized service centre and use of non-original spare parts.

- Other damage due to conditions beyond the supplier's control such as fire, rain, war and other force majeure events.

TROUBLE SHOOTING

If you encounter problems when using the AVC-SB1 Soundbar, check the following points before requesting a service call.

In order to keep the warranty valid, please DO NOT attempt to repair the system yourself.

NOTE: DUE TO EEC REGULATIONS THIS SOUNDBAR WILL SWITCH TO STANDBY MODE AS FOLLOWS

The AVC-SB1 switches to standby mode in the following situation:

- The device is idle for 30mins when powered by AC supply;
- The L/R Audio in or 3.5mm jack is disconnected or when there is no input signal or the input signal is too low.

If using the 3.5mm jack input to AVC-SB1, we recommend to default the output volume at 75% or above on the external devices to ensure that it does not automatically go into standby mode.

1. NO POWER

   - Make sure power cords are securely connected to the AC output.
   - Make sure that there is power at the AC output.
   - Press the power button on the remote control or the front of the AVC-SB1.

2. NO AUDIO

   - Press the Volume + (Up) button on the remote control or the front of the AVC-SB1.
   - Make sure that you selected correct input (Input 1, Input 2, or Input 3).
   - Press MUTE on the remote to make sure the AVC-SB1 Soundbar is not muted.
   - Make sure audio cables are securely connected at the terminals of the AVC-SB1 and the external devices.

3. BUZZING OR HUMMING NOISE

   - Make sure audio cables are securely connected at the terminals of the AVC-SB1 Soundbar and the external devices.
   - Test on an alternate device or replace the audio cable.
   - Test the device and cable on an alternate input on the AVC-SB1 Soundbar.

4. THE REMOTE CONTROL IS NOT FUNCTIONING

   - Aim the remote control directly at the sensor on the front of the AVC-SB1 Soundbar.
   - Reduce the distance between the remote control and the AVC-SB1 Soundbar.
   - Make sure that the battery is inserted with its polarities (+/– signs) aligned as indicated.
   - Replace the battery.

5. THE SOUNDBAR AND REMOTE ARE NOT RESPONSIVE

   - Unplug the power cord from the AC output, and plug back in after a few seconds.

AVOCOR AVC-SB1 SPECIFICATIONS

Input Sources
- Bluetooth
- Line In (3.5mm)
- Optical
- 2x HDMI In, 1x HDMI Out (ARC)

Bluetooth
- A2DP audio using apt-x decoders

Line-In
- 3.5mm stereo audio In
- 500 mV RMS full scale input

Optical
- SPDIF format
- Toslink Compatible
- Stereo only
- Up to 96 KHz sample rate at up to 24 bit PCM data

HDMI
- HDMI In x 2,
- HDMI Out (ARC) x 1

Amplifiers
- Class D power stages
- 2x 15W capability@<10% THD+N
- 2x 30W capability@<10% THD+N

Drivers
- 2 x 2.75 Inch Mid-High Ferrite Magnet Drivers
- 2 x 2.75 Inch Bass Ferrite Driver
- 2 x Passive Bass Radiators

Signal Processing
- NCPA 110P AE Engine DSP
- 3x DSP presets - Hall, Music and Speech

AC Power
- External 19V 3.42A (65W) 220/110 AC input

General
- Operating Temperature: 5 °C ~ 40 °C
- Power Requirements: AC 230-240V 50Hz
- Power Consumption: 65W
- Dimensions: 900 x 85 x 88mm (H x W x D)
- Soundbar Mount Weight: 2.79Kg
- Soundbar Weight: 3.9Kg
- Shipping Weight: 7.5 Kg

Mounting Solution
- Soundbar wall mount kit
- Soundbar interactive flat panel mount kit

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