ORBITSOUND

A70 AIRSOUND BAR
HANDBOOK

EN

WELCOME

Thank you for purchasing the Orbitsound A70 airSOUND BAR. With proper use the airSOUND BAR delivers superb sound fidelity, engaging spatial sound, and will provide you with a fantastic listening experience for TV, films, media and music.
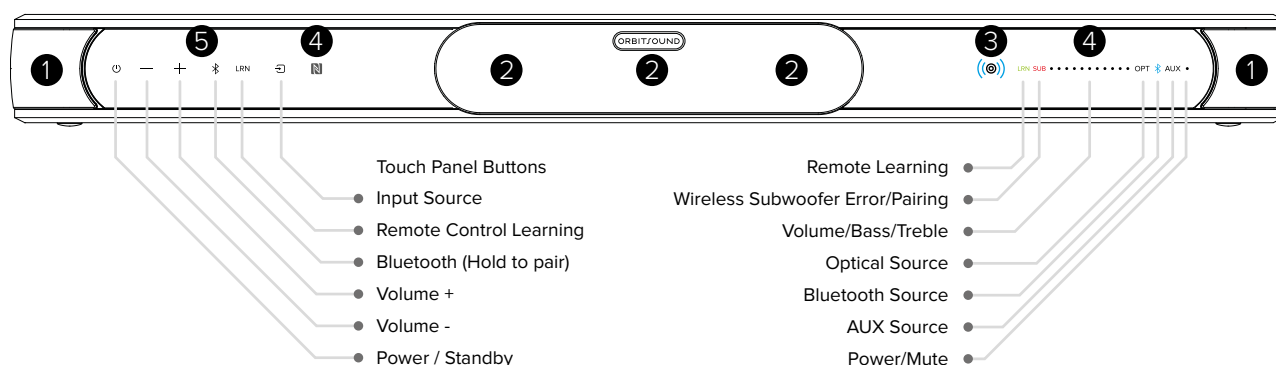
PACKAGE CONTENTS

- A70 Soundbar
- S3 Subwoofer
- Remote control inc battery
- Soundbar power supply + power cord (country specific)
- Subwoofer power cord (country specific)
- Digital optical (TOSLINK) connection cable
- Analogue (AUX) connection cable
- Wall mounting kit
- Quick start guide
- Safety and warranty guide

ABOUT THE SOUNDBAR

The Orbitsound A70 is a high fidelity soundbar featuring airSOUND to deliver a natural listening experience. The soundbar houses 5 speakers in total. On the front there are 2 midrange loudspeakers, and a high frequency tweeter. On the sides are compact airSOUND speakers that work with the front speakers to create a fully immersive sonic experience. The subwoofer is a tuned reflex system that connects wirelessly to the soundbar through an ultra high speed wireless link. The subwoofer produces powerful and controllable bass.

SOUNDBAR OVERVIEW

Touch Panel Buttons

● Input Source
● Remote Control Learning
● Bluetooth (Hold to pair)
● Volume +
● Volume -
● Power / Standby

Remote Learning ●
Wireless Subwoofer Error/Pairing ●
Volume/Bass/Treble ●
Optical Source ●
Bluetooth Source ●
AUX Source ●
Power/Mute ●

FRONT PANEL FEATURES

1	Side firing airSOUND loudspeakers that deliver the spatial sound experience.
2	Front speaker array, midrange and high frequency loudspeakers.
3	Infra red (remote control) receiver
4	Display panel
5	Touch panel buttons

TOUCH PANEL BUTTONS:

Input Source	Chooses the soundbar sound source from Optical, Bluetooth & AUX.
Remote Control Learning	Starts the remote control learning process (see: Remote Control Learning)
Bluetooth	Controls Bluetooth connection & pairing (see: Bluetooth)
Volume	Controls the volume of the soundbar system
Power / Standby	Switches on / off the soundbar

QUICK REFERENCE COMBINATION BUTTONS

These button combinations can be pressed to access special functions.
Press and hold for 3 seconds:

Vol+ & Vol-	Subwoofer pairing mode
Power & Source	System reset (keeps subwoofer pairing)
Bluetooth & Source	Clear Bluetooth pairings (including subwoofer) - note you will need to re-pair the subwoofer if you use this feature.
Learn & Source	Enter DFU mode (USB software upgrade) (unplug soundbar to exit this mode)

SUBWOOFER OVERVIEW

The wireless subwoofer receives low frequency sound from the soundbar via an ultra low latency Bluetooth signal. To operate, the subwoofer must be paired with the soundbar. At the factory, the subwoofer is paired with the soundbar. You can re-pair a subwoofer if needed, see 'SUBWOOFER PAIRING' section.

SUBWOOFER FEATURES

1	Side firing subwoofer speaker
2	Rear facing tuned port
3	Subwoofer pairing button & pairing status light
4	AC power inlet
5	Power swtich

## PAIRING STATUS

The subwoofer STATUS indicator lights as follows:

ON	Subwoofer is connected to the soundbar and working
FLASHING	Subwoofer is in pairing mode
OFF	Suboofer is off, or in low power state, or disconnected from soundbar

SUBWOOFER CONNECTION

The subwoofer should not need to be re-paired. Only do the pairing procedure if you have been instructed to do so by Customer Support, or if the power is connected to the subwoofer, and the soundbar is showing you that there is no subwoofer connected:

LRN SUB ● ● ● ● ● ● ● ● ● ● ● OPT ꙮ AUX ●
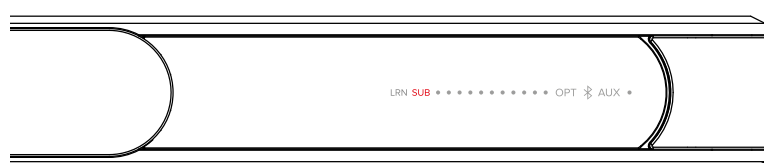
Note: The soundbar shows the red SUB light when there is no subwoofer connected wirelessly. If the subwoofer is on, then it needs to be paired to the soundbar. See 'SUBWOOFER PAIRING'.
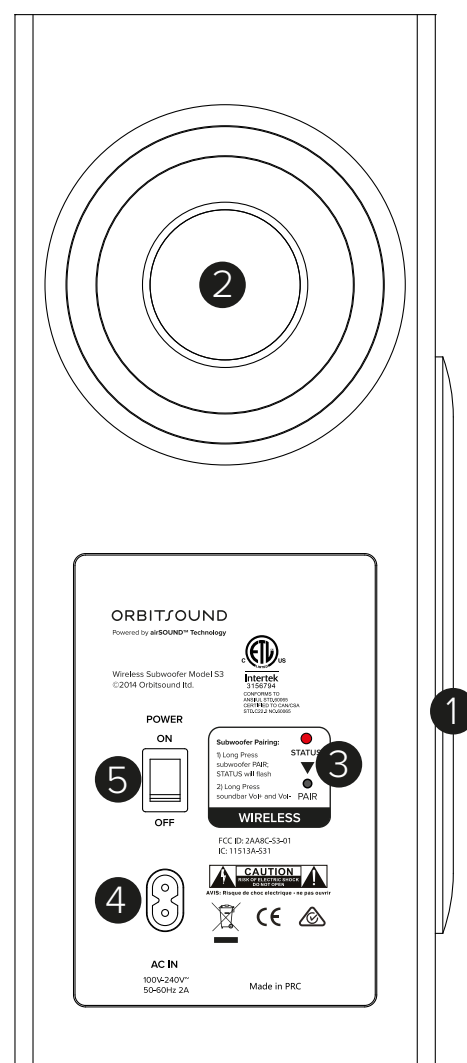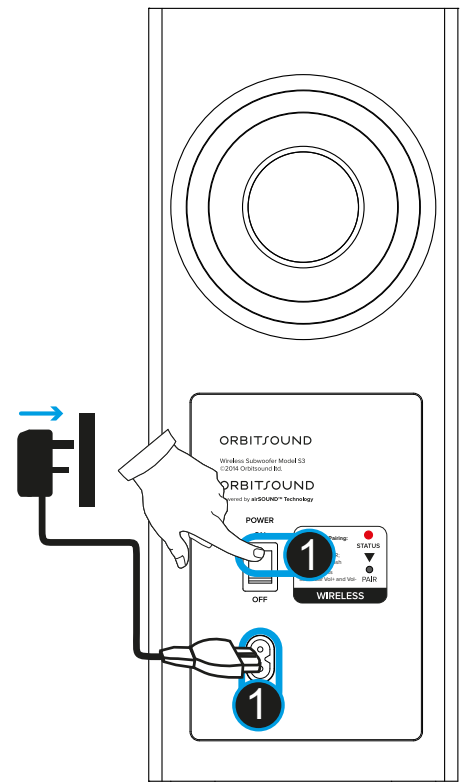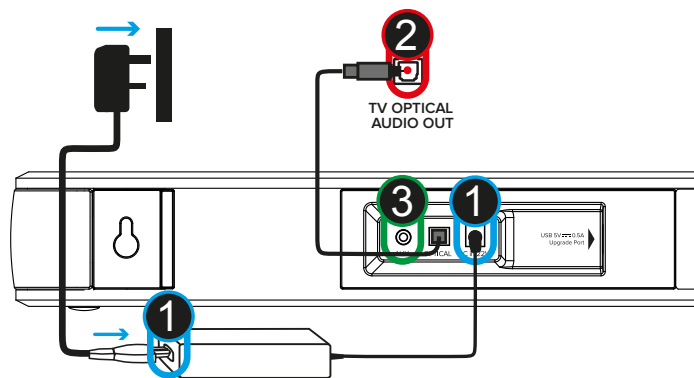
Note: the volume of the subwoofer can be controlled with the Bass +/- button on the remote control.

Resetting (factory reset) on the the soundbar also resets the bass level to default.

ORBITSOUND
Powered by **airSOUND™ Technology**

Wireless Subwoofer Model S3
©2014 Orbitsound ltd.

ETL
Intertek
3156794
CONFORMS TO
ANSI/UL STD.60065
CERTIFIED TO CAN/CSA
STD.C22.2 NO.60065

POWER
ON

Subwoofer Pairing:
1) Long Press
subwoofer PAIR;
STATUS will flash
2) Long Press
soundbar Vol+ and Vol-

STATUS
PAIR
WIRELESS

OFF

FCC ID: 2AA8C-S3-01
IC: 11513A-531

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
AVIS: Risque de choc électrique - ne pas ouvrir

AC IN
100V-240V~
50-60Hz 2A

Made in PRC

GETTING STARTED

CONNECTING CABLES

1) CONNECT POWER:

Connect the subwoofer and soundbar to mains power sources as shown above. Note, the soundbar power supply and subwoofer can accept mains voltage from 110V to 250V AC. Note: be sure to switch on the power switch on the rear of the subwoofer.

2) CONNECT TV AUDIO (OPTICAL):

Connect your TV OPTICAL AUDIO OUTPUT to the soundbar with the provided optical cable. Make sure that the protective plastic covers have been removed from the ends of the optical cable before use. Please ensure that the optical output of your TV is enabled.
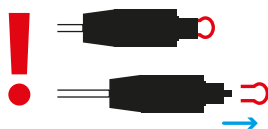
Important: Ensure that the chosen optical output mode is either STEREO, PCM or NORMAL.

Note: make sure that the cable 'CLICKS' when plugging in to make sure it is fully connected/inserted.

3) (OPTIONAL) - CONNECT AUX INPUT

The soundbar also accepts analoge audio from a standard 3.5mm strereo jack plug. The included cable allows you to connect this to an analogue output such as AUDIO OUT on a TV, or a CD player. Use this input if your TV does not have an optical output.

POWER UP, SWITCH ON, PLAY!
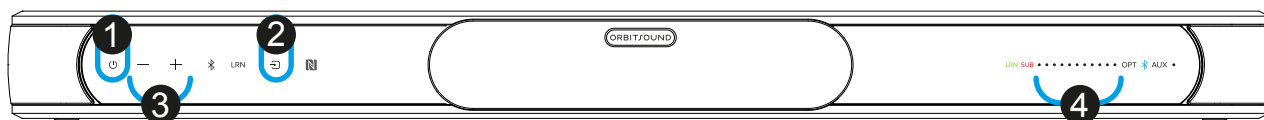
1) Touch the POWER button on the soundbar. The controls will light, and the soundbar will switch on.

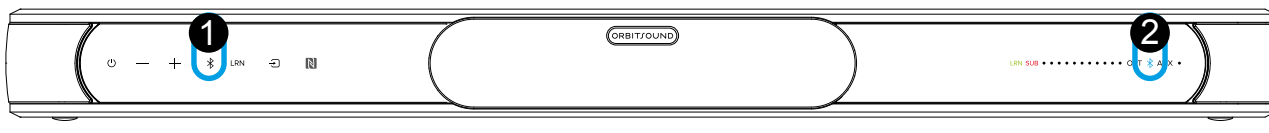2) Press the SOURCE button to cycle between the soundbar inputs. The inputs are:

- OPT - Digital optical input (best for TV connection)
- Bluetooth - Digital APTx Bluetooth connection
- AUX - Auxiliary analogue input

3) Adjust volume with VOL+ and VOL- buttons

4) The display panel will show the volume level as you change it.

BLUETOOTH

BLUETOOTH PAIRING

Note: If your device has NFC, it's easier to pair with it. See NFC section below.

To pair a Bluetooth device with the soundbar, follow this process:

1) Press and hold (3 seconds) the Bluetooth button (1)

2) The Bluetooth light will fast flash (2)

3) Search for 'Orbitsound A70' in your Bluetooth device list

NFC (NEAR FIELD COMMUNICATION)

A really easy way to pair your device, or to re-connect to the soundbar is NFC. The soundbar is equipped with 'active' NFC. This means that using NFC will cause the soundbar to automatically switch on, turn to Bluetooth, and get ready for Bluetooth playback.

To use NFC:

1) Ensure Bluetooth and NFC are enabled on your device **and that the screen is unlocked.**

2) Present your device to the NFC logo on the front of the soundbar

Bluetooth Light (2):

Slow Flash
  - Ready to connect

Fast Flash
  - Pairing mode
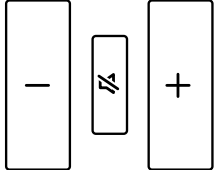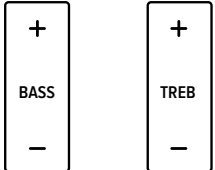
Solid On
  - Connected to
    device

3) When prompted, tap to confirm pairing with the soundbar.

Note: The first time you connect with NFC, you may not be connected to the device. This first pairing allows your device to add the soundbar to your device list. After this initial pairing, connecting with NFC is quick and easy, just follow steps 1 & 2 above.

OPERATION

REMOTE CONTROL

The included remote control allows access to most of the functions on the soundbar:

⏻	POWER	Switches the soundbar into standby mode or resumes.
⏏	SOURCE	Cycles the source: OPT -> BT -> AUX
− 🔇 +	VOL -, MUTE, VOL+	Volume and Mute buttons. Mute: Press mute to silence the soundbar. Press either volume key or mute to exit mute.
⏮ ⏯ ⏭	Play control buttons	Use these buttons to remote control a connected Bluetooth device.
+ BASS − / + TREB −	Bass and Treble control	Bass + / - adjusts the volume of the subwoofer remotely. Treble + / - adjusts the high frequency response of the soundbar. Note: the display will show the staus of each control.

CHANGING THE REMOTE BATTERY

Replace remote battery with anode up (+) from back-side. Use a high quality CR2032 battery.
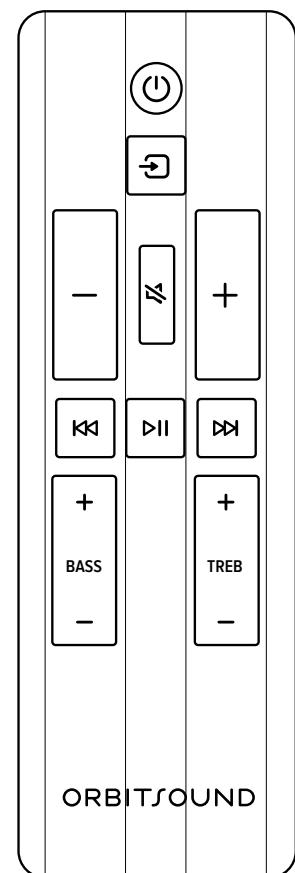
CONTROLS

The following chart shows all the controls on the soundbar:

	Control	Description
⏻	Power	Switches the soundbar into standby mode or resumes.
— ＋	Volume	Press to change the soundbar volume (22 steps)
✳	Bluetooth	Press to switch to Bluetooth input, and to connect or disconnect from a Bluetooth device. Press and hold to enter pairing mode.
LRN	Remote Learning	Press and hold to start remote learning process. See 'REMOTE CONTROL LEARNING' section.
⊡	Input Selection (Source)	Press to cycle between the inputs, OPT -> Bluetooth -> AUX.
N	NFC target	This is not a button, but is where the NFC tag is located.
⏻ + ⊡	System reset	Press and hold to do a system reset. See 'SYSTEM RESET' section.
— + ＋	Start subwoofer pairing mode	Pairs a subwoofer - see 'SUBWOOFER PAIRING' section.
LRN + ⊡	Enter DFU mode	Allows programming through USB update port. Disconnect power to exit DFU mode. Do not use unless advised to do so.

SUBWOOFER PAIRING
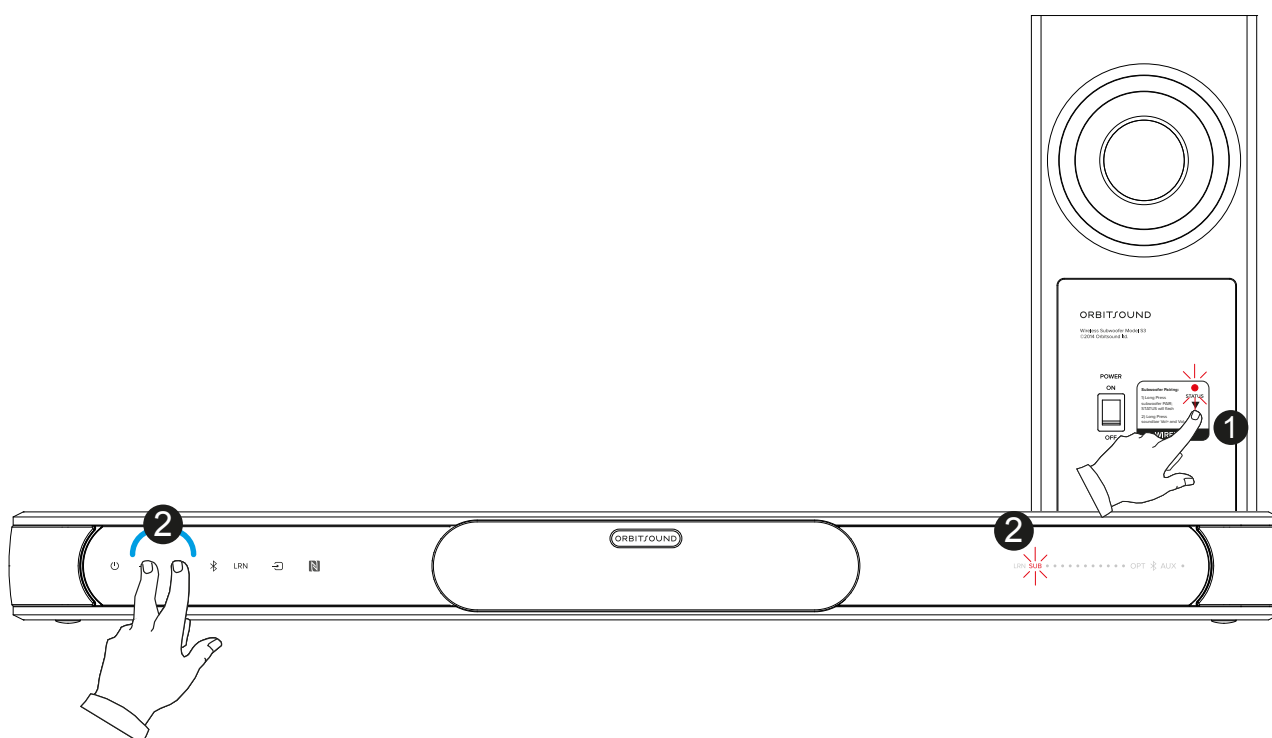
HOW TO PAIR THE SUBWOOFER:

1) Press and hold for 3 seconds the PAIR button on the back of the subwoofer. The STATUS light will start to flash slowly when the subwoofer has entered pairing mode.

2) Press and hold for 3 seconds the Vol - and Vol + buttons on the front of the soundbar. The SUB light will flash slowly on the control panel when the soundbar enters pairing mode.

3) The soundbar will now search for the subwoofer. When the pairing is successful, the soundbar SUB light will go dark, and the subwoofer will operate.

> *Note: If the pairing is unsuccessful, perform a BLUETOOTH RESET on the soundbar.*

BLUETOOTH RESET

Bluetooth Reset:

You can clear all previous Bluetooth pairings (previously paired devices) by resetting the Bluetooth system. Note, this will also clear the subwoofer pairing information. After doing this, please follow the procedure 'SUBWOOFER PAIRING' to reconnect the subwoofer.

To reset the Bluetooth memory: Press and hold the BLUETOOTH and SRC buttons on the soundbar front panel for 3 seconds. The soundbar will flash all lights to show that the operation is complete. The Bluetooth memory is now cleared from all devices, including the subwoofer.
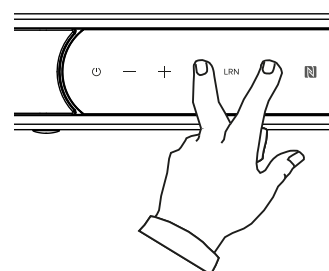
SYSTEM RESET

Normally the soundbar remembers all your settings. These include treble, bass, volume etc. You can reset these quickly and simply. Press and hold POWER and SRC on the front panel to perform a system reset. The system will flash all LEDs to confirm this is done, and it has returned to default settings. Please note that the subwoofer pairing information is NOT lost, so the subwoofer will continue to work after a reset.

REMOTE CONTROL LEARNING

The A70 can learn volume control instructions from many other remote control types. The soundbar has the ability to go into a learning mode and to 'scan' a new remote control button, and to use this as a volume control function. This means that when using your A70, you will not need to reach for the Orbitsound remote in order to adjust the soundbar volume.
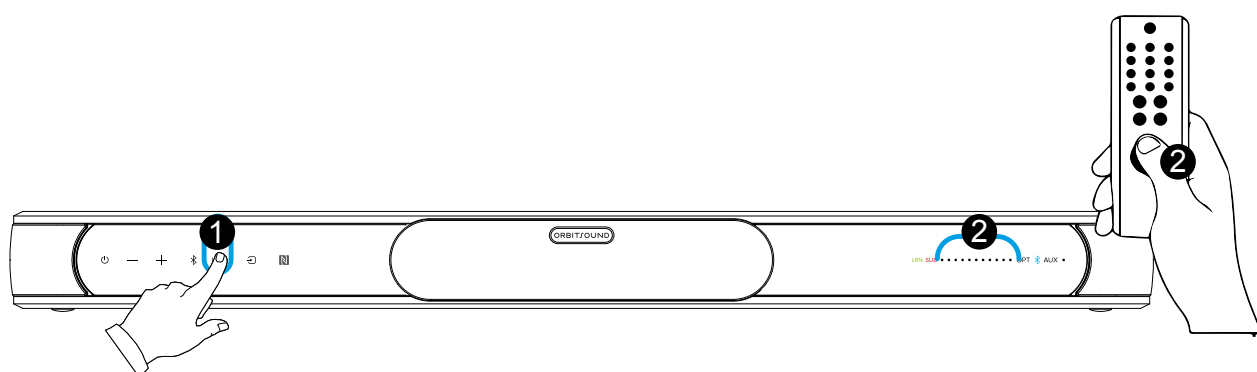
To learn a remote:

1. Press and hold (3 seconds) LRN (1) to learn from a new remote. The control panel will show a green 'LRN' logo, and lights will show on the display to request volume up or down buttons to be pressed on a new remote.

2. Press Vol+ on new remote when prompted (2),

3. Wait, then repeat when prompted by the soundbar. Repeat for Vol- when prompted. The system will confirm successful remote learning (2) and flash all lights.

> *If it did not work no lights will flash, try again and use short presses on the new remote, and wait to be prompted for a press. Note: the A70 can learn from many popular remotes. It is not compatible with all remote control types.*

Supported Remote Control types: Samsung, LG, Sony

Not Supported: Panasonic

Other remote control types vary in compatability.

NIGHT MODE (minimal bass)

At night, when the house is quieter, you may find that the bass (subwoofer) is too loud. The soundbar features a 'night mode' that minimises the subwoofer boominess. To access this feature, simply press 'BASS -' on the remote several times, and use either minimum or the next level up for bass; whichever is preferred. In this mode, the subwoofer output is very much lower than normal.

GETTING THE BEST SOUND

Orbitsound is all about sound. airSOUND is a system that works to fill your living environment with incredible quality and spatious sound. Whilst the setup of the soundbar is not critical, there are some basic things to bear in mind to make sure you enjoy the best sonic experience possible:

OBSTRUCTIONS

The airSOUND (spatial) sound field is produced by the speakers in the sides of the soundbar. These special signals interact with the main signal to produce spatial sound in your listening environment. Make sure that the side grilles are free from obstacles. The airSOUND speakers work best when close to a surface (table top or wall when wall mounting), and there are no obstacles in the near viscinity.

THE SUBWOOFER

The subwoofer is side firing and produces powerful bass. Make sure that loose objects are not able to rattle near the subwoofer. You can turn the Bass down with the remote control to reduce the bass level if needed.

To get the best bass performance, ensure that the bass port (rear) is free from obstruction, and it is at least 5cm away from the nearest wall.

CLEANING AND CARE

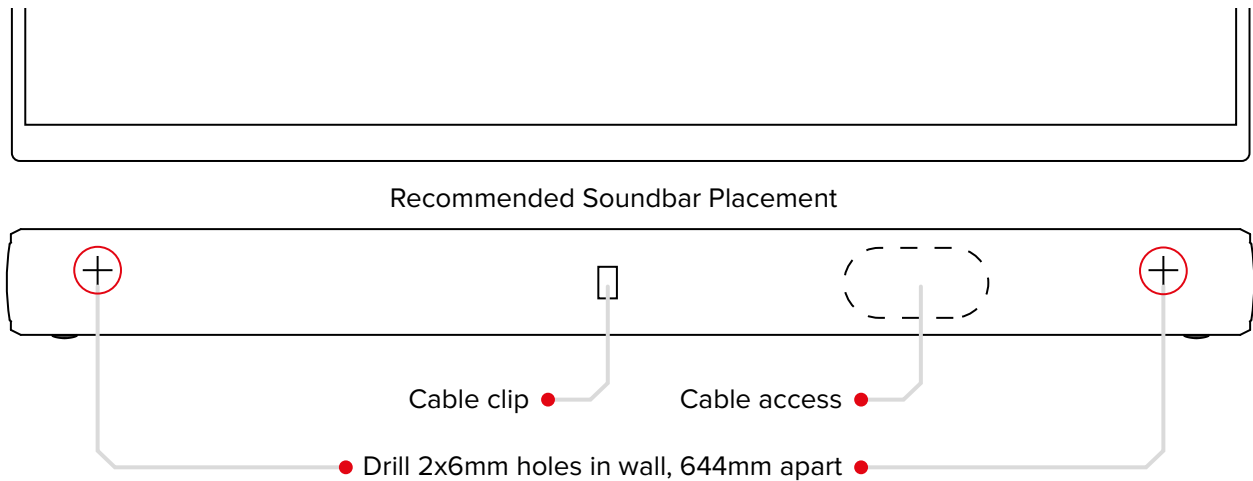Use a soft, clean cloth moistened with plain, luke-warm water to clean the exterior of the unit. Glass cleaner is a good way to remove finger marks, but use it sparingly, and avoid contact with the actual loudspeaker driver units.

IMPORTANT: Never use solvents such as benzene or other strong chemical cleaners since these could damage the unit's finish. It is VERY important that no liquid reaches the inside of the unit.

WALL MOUNTING

In the package you will find a wall mounting kit. In order to wall mount the soundbar. Wall mounting should only be done by qualified professionals, and the surface for mounting should be sound and strong enough to support the soundbar. If in doubt, install a shelf for the soundbar to sit on.

Note: Damaged casued by poor wall mount installation cannot be covered by warranty.

Recommended Soundbar Placement

Cable clip ●

Cable access ●

● Drill 2x6mm holes in wall, 644mm apart ●

SPECIFICATIONS

Frequency response +/- 3 dB [Hz]	+/- 3dB 44Hz - 13.2KHz
Response ontrols	LF: (Subwoofer) +8dB (max) -20dB Night mode, (min) HF: 10KHz +/- 8dB EQ
Maximum SPL [dB]	97dBA @ 1m
Amp. power	300W total
Crossover frequencies [Hz]	LF: 220Hz (digital) HF: 4KHz (analogue)
Front (main) drivers	2x2" Orbitsound mk3 1" soft dome tweeter
Spatial drivers	2x45mm neodymium drvers
Sub-Bass driver	1 x 6.25"

Enclosure types	Front – sealed sound treated Sides – sealed chambers Subwoofer - Tuned Reflex
Input(s)	AUX -10dBu 3.5mm jack. TOSLINK optical (Stereo). Bluetooth aptX
Recommended placement	Table or Wall Mounted
Dimensions (W x H x D) [cm]	Soundbar: 75 x 6.5 x 6.5 Subwoofer: 34 x 34 x 14cm
Cabinet finish	Soundbar: Engineered wood, high gloss Subwoofer: PVC finished wood
Weight	12.4Kg (gross, packaged weight) 1.9Kg (soundbar) 6Kg (subwoofer)
Power consumption Standby / Idle	0.4W / 3W
Voltage / Power	110-250V AC 50-60Hz
Soundbar Power Supply	22V DC 2500mA
Remote Control IR lead code	6122/01FE

TROUBLESHOOTING

There is no sound froom the subwoofer

Check that power to subwoofer is ON. Restart soundbar. If the wireless subwoofer error light on the sound bar is solid red, please follow "SUBWOOFER PAIRING" instructions.

No Sound from optical (TV) source,
No Sound from optical Set-Top-Box (STB) source,
Loud noise when watching HD channels on optical

Please check your TV or STB settings. Make sure that the optical output format is set to 'STEREO' or 'PCM' format. This is the correct format for the sound bar.

Check that the input selected is optical (OPT)

(Factory reset) I need to reset my settings

Press and hold SRC and POWER on the soundbar for 3 seconds. All lights will flash to show a reset has happened.

I cannot make my soundbar learn from my remote. When I complete learning process, no lights flash.

Please note: Not all remotes are supported with our learning process. Check the website for compatability information. If your remote should work but is not, make sure you are aiming the remote at the IR receiver (near the light panel). Make sure you tap the key on the remote to be learned once when shown to by the sound bar, and repeat when shown. Also, you may need to darken the room for the learning process to complete successfully - draw curtains or turn lights / TV off.

Switching from TV to Bluetooth, there is a big volume difference - the TV is quiet.

Some TVs reduce the volume of sound that comes out of the optical port. You will need higher volume settings on the soundbar to compensate. You can also use the AUX (Headphones) otput from the TV which may give more volume on some TV models.

How do I position my soundbar to get the best sound?

Simply make sure that the side speakers are clear from obstacles. The subwoofer is wireless, but the best sound is achieved when the subwoofer is within 5m of the soundbar, and in the same general area.

My remote control is not working

Please ensure the battery protection film has been removed. Pull the tab and remove.

If the remote has had a lot of use, replace the battery. CR2032 type.

The optical cable does not work

Please check the optical cable and remove any protective covers from connectors. Check the optical output format is PCM or STEREO. You should see a solid red light in the centre of the optical cable when it is unplugged from the soundbar.

I'm using Bluetooth and sometimes the sound is interrupted

Bluetooth is a short range wireless technology. We recommend you keep your bluetooth device in the same room as the sound bar and not obstructed by walls or metallic objects as they can block the signal. Please do not place other wireless devices such as wireless routers, cordless telephones and microwave ovens close to your sound bar as they can interfere with the Bluetooth connection.

No sound:

Check power connections and that the button control panel is visible.

Check that the TV or other sound source is playing and that it is connected properly to the soundbar.

Ensure the correct source is selected (Press the 'source' button on control panel to change input sound source, shown on the display panel)

Adjust the volume of the soundbar until sound is heard.

The sound is out of sync with the TV

Make sure all video sources are connected to the TV and that the soundbar is connected to the TV optical output or RCA (AUX) output. This connection method should re-align the sound. If it is still out of sync, look for a sound/time alignment menu in the TV menus.

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