# WiSA (OPTIONAL EXTRA)

If you have purchased the additional WiSA module please follow the steps below to fit into the PRO WiFI speaker

ENSURE THE SPEAKER IS NOT CONNECTED TO THE POWER SUPPLY WHILST INSTALLING

NOTE: When assembling the WiSA module try to avoid touching the pcba, use the non static packaging to hold and put in place.
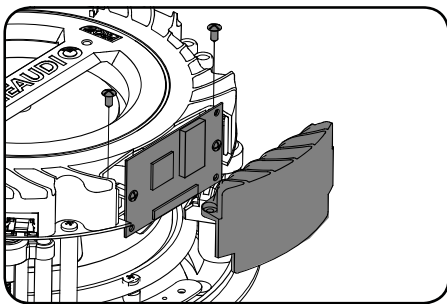
1. Remove the 2 screws from the WiSA cover on the speaker and remove the cover
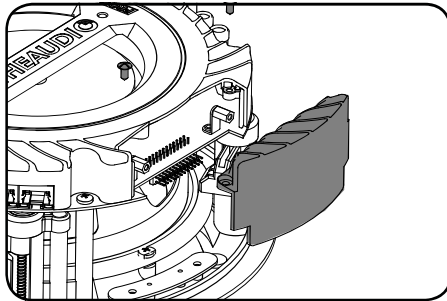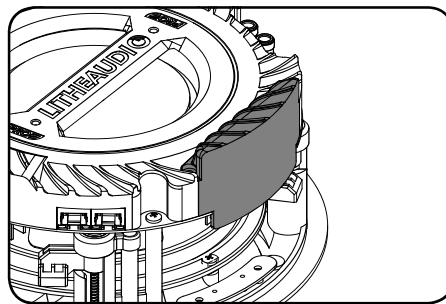
2. Slot the WiSA module into the speaker dock and using the screws provided fix the WiSA module to the upstands
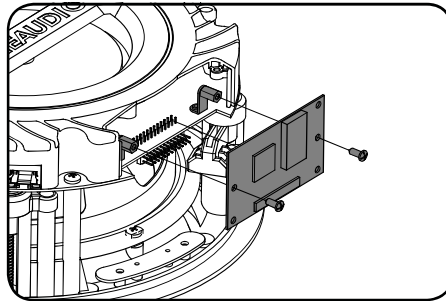
3. Reassembled the cover and fix screws in place and your all set.

4. Open the WiSa Setting on your compatible TV or projector to setup speakers.

SETUP FOR APPLE IOS

Download on the App Store

NOTE: If you are connecting via ethernet cable no setup is necessary

1. Ensure the Wi-Fi speaker is connected to the power supply and is turned on, the LED indicator will flash red slowly.

2. Press and hold the 'Connection Reset Button' for 5 seconds & release, the LED indicator will flash Green and the speaker is now ready to connect to your Wi-Fi network.
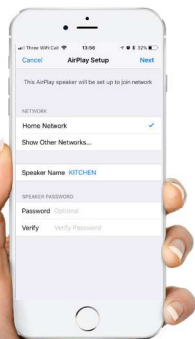
3. Open the Wi-Fi setting menu on your phone or tablet

4. Select the new AirPlay speaker listed you would like to add to your network

5. Select your network and change the 'Speaker Name' to something easily identifiable e.g. Kitchen and click Next

4. The Lithe Audio Wi-Fi speaker setup is now complete, return to the Lithe Audio app
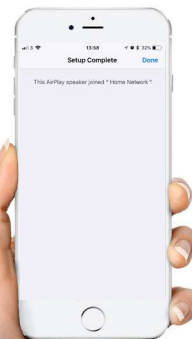
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Image shows Apple iPhone but visuals may change from device to device.
Apple and iPhone are trademarks of Apple Inc., registered in the U.S. and other countries.

AirPlay 2

To play directly to speaker(s) using a iOS devices (iPad, iMac, iPhone, Apple TV etc) you can connect via AirPlay 2. Please follow the steps below:

ENSURE THE SPEAKER IS CONNECTED TO THE POWER SUPPLY, AND THE WIFI NETWORK.

Note: When using AirPlay 2 the Lithe app grouping and playback functions for mutiple speakers becomes redundant. The ability to play any source is is now possible. As well as playing with other brands in an multi room environment.

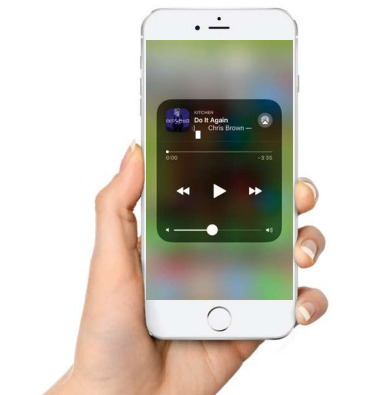**1.** Swipe down from the top right of the screen

2. Click on the right corner icon to show available AirPlay devices

3. Audio display screen shall show available devices to play music through as per list

4. Select the speaker(s) to play music through open any app and play your music

SETUP FOR GOOGLE HOME

1. Download the Google Home app from thhe Google Play store

2. Ensure the Wi-Fi speaker is connected to the power supply and is turned on, the LED indicator will flash red slowly.

3 . Press the + top left hand corner, Click set up device, choose home to start looking for devices on your network, choose Speaker, Next.

4. Open Google Home and click the + sign top left hand corner
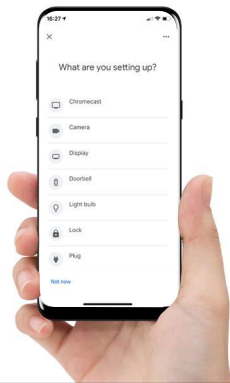
5. Click set up device, New devices Setup new device

6. Select existing home or create new home to start looking for devices
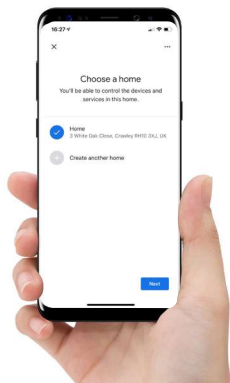
7. Select speaker, Next, click on Lithe Audio Speaker all set.

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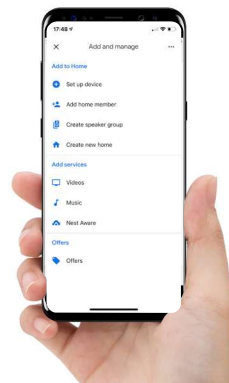
Chromecast Built-in

To play directly to speaker(s) using Google Cast. Please follow the steps below:

ENSURE THE SPEAKER IS CONNECTED TO THE POWER SUPPLY, AND THE WIFI NETWORK.

Note: When using Google Cast the Lithe app grouping and playback functions for mutiple speakers becomes redundant. The ability to play any source is is now possible. As well as playing with other brands with Google Cast built in within an multi room environment.

1. To group speakers, click +, create speaker group
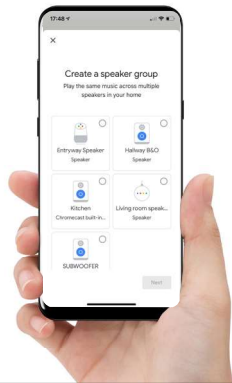
2. Click on the speakers you want to group, next, name group
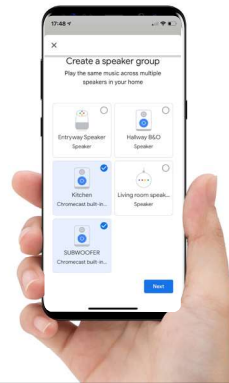
3. Audio display screen shall show available devices to play music through as per list
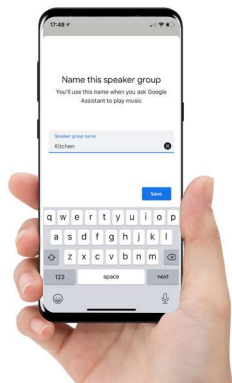
**4.** Select the speaker to play music through and press play on your source player
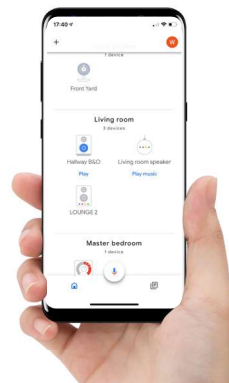
SPOTIFY CONNECT

You will need to have the Spotify Premium account, the latest spotify app installed
and be connected to the same Wi-Fi network to play via Spotify connect directly.

Open Spotify app, on your phone, tablet or laptop.

Play a song and select DEVICES AVAILABLE at bottom of player page
Select your device and start listening to your spotify music

NOTE: If your connection to speaker is lost, the device may have weak Wi-Fi signal.
Please visit: https://www.spotify.com/uk/connect/ for further details

HARD WIRED OPTICAL INPUT

To connect other devices such as TV, CD player, BluRay
player etc) to play through the Wi-Fi speakers
please follow the steps below:

Optical Connection:
To play music via speaker Optical connection connect an
Optical cable to the speaker and play through your device.
Within the Lithe Audio App click on source to activate
Optical to be able to play through the speaker.

Note: To ensure the best posible sound without
humming or noise, we recommend a good quality
cable be used.
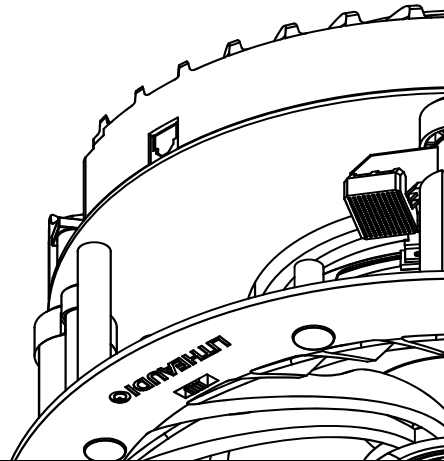
CREATE STEREO PAIR

PLEASE NOTE: LWF2PRO DOES NOT INCLUDE PASSIVE SPEAKER

The Lithe Audio Master Wi-Fi PRO ceiling speaker is able to connect to and power an
addtional passive speaker via the Right speaker output.

Use wire cutters to strip the ends of the speaker cable (if required).

SPEAKER

- Sound Quality THD+N<0.009%, 55Hz-20kHz (+/- 3dB)
- RMS Power: 60W RMS (2x 30W)
- Impedance: 8 Ohms nominal
- Sensitivity (1W/1m): 90dB
- Line In Analog (Optical), auto-detecting
- Type: Class D (Digital)
- Audio Compression: 192Khz/24bits
- Bluetooth 4.1
- Woofer: 6.5" Woven Glass Fiber cone / Polypropylene Cone (IP44)
- Tweeter: 0.75" Titanium Cone

MUSIC ACCESS

- Audio Formats Supported: MP3, WMA, AAC (MPEG4), AAC+, ALAC, FLAC, APE, WAV, OGG, LPCM
- Audio Sample Rate: up to 192kHz 24bit
- Music Services Supported by Lithe Audio include; Airable Radio, Podcast, Tidal, Deezer, Soundmachine, Amazon Music, Napster, Spotify, etc..
- Operating Systems (for stored files) Windows XP SP3 and higher; Mac OS X 10.6.8 and higher; NAS (network-attached storage) devices supporting CIFS

MULTI ROOM

- Expandable up to 30 speakers within same Wi-Fi network

WIRELESS NETWORKING

- Wi-Fi Connectivity: Wi-Fi CERTIFIED™ 802.11 a, b, g, n, ac WPA™ - Personal WPA2™ -
  Personal WMM®, Wi-Fi Protected Setup™
- Wireless connectivity works on your home Wi-Fi network with both 2.4GHz/5GHz broadcast routers
- Internet connection required for access to Internet radio stations, online music services and software updates.

GENERAL

- Power Input Supply : 100 - 240V, 50/60Hz / 2A
- Transformer Output Supply : DC24V / 2.5A
- Dimensions (W x D) 230 x 110mm (6.5 x 4.3 in)
- Weight 1.75kg (3.85 lbs)
- IP rating: IP44 (Bathroom models only)
- Operating Temperature 0° to 40° C (32° to 104° F)
- Storage Temperature -20° to 70° C (4° to 158° F)
- Standby power: 1.3W / 0.02A
- Connected power: 1.5W / 0.03A
- Playing Music: 2.8W - 10.5W / 0.03A - 0.09A**

WiSA (Optional Extra)

- Audio Quality: 48kHz/96kHz 24 bit
- Auto Config: 2.0 - 7.1 & 5.1.2
- Maximum: 8 zones
- Dolby Atmos Height Channels supported

PoE POWERED (Optional Extra)

- PoE Standard: IEEE 802.3 af/at/bt powered device (PD)
- Power Level: upto 71.3W
- Max length ethernet Cable

* Specifications subject to change without notice.
** Power Consumption depends on the type of music & volume
- Increased Bass & volume requires more power loading on the amplifier.
- Internet functionality may require payment of separate fee to a service provider.

5.15~5.25GHz Band
Operations in the 5.15-5.25GHz band are restricted to indoor use only. The working state of the two 5G modules is controlled by the internal hardware SWITCH module, 2:1 multiplexing, and the default Libre wireless module works. By operating on APP, sending "Select" command, controlling internal hardware switch to select corresponding working wireless module, will not work at the same time.

TROUBLESHOOTING

If a problem arises, please try the troubleshooting guide below. If the problem is not listed please contact Lithe Audio Customer Service Support

Q: Speaker has not been found during setup
A: Please check power cord is correctly connected into speaker and transformer, Check the red light is ON. Press reset button for 5 seconds on the speaker (discoverable mode), green light shall flash, follow the instructions for Android or AirPlay 2 setup.
*Before commencing any electrical work ensure the supply is switched OFF at the mains.

Q: Speaker connected to AirPlay 2 but not playing through device
A: Please ensure device has good Wi-Fi strength and battery power, check the led indicator is solid green, if not press reset button for 3 secs. Failing this, turn the speaker power off then on.

Q: Device is connected to Wi-Fi speaker but no sound
A: Ensure your device volume is NOT muted, increase the volume within app and try again. Restart the app which the audio is playing from and try again.

Q: Lithe Audio App not showing connected speakers
A: Ensure your speakers green light are on, and connected as per setup. The app shall automatically find active speakers, if not, restart app or press reset on speaker for 3 secs to wake speaker. to show green status light.

Q: Lithe Audio App not working correctly
A: Ensure your speaker firmware/app are up to date, OR restart/reinstall app fully.

Q: Can the speaker be installed into the bathroom ceiling.
A: The IP rated models 'LWF1/IP' can be installed in zone 2 or 3 of a bathroom. Ensure you read the saftey precautions before installation.
Warning: Do not use the product in water or directly above the bath or shower area.

Q: I have a new router and speakers are not visible anymore
A: If you have purchased a new router or reset the router back to defualt, you shall need to install the speakers again. Please follow the setup procedures for IOS or Android.

For further queries and support questions please visit www.support.litheaudio.com email us at support@litheaudio.com or via our website's live chat service (during working hours)

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FCC STATEMENT

This equipment has been tested and found to comply with the limits for a class b digital device, pursuant to part 15 of the FCC rules. these limits are designed to provide reasonable protection against harmful interference in a residential installation. this equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. however, there is no guarantee that interference will not occur in a particular installation. if this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/tv technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (example- use only shielded interface cables when connecting to computer or peripheral devices).

FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

EUROPE

Lithe Audio declares that this product herewith complies with the requirements of the EMC Directive 2004/108/EC, Low Voltage directive 2006/95/EC, Eco-Design Directive 2005/32/EC, RoHS Directive 2011/65/EU and the R&TTE Directive 1999/5/EC when installed and used in accordance with the manufacturer's instructions. A copy of the full Declaration of Conformance may be obtained at www.litheaudio.com/support/policies.

Lithe Audio Speakers have a standby mode or remove the power cord from the AC mains.

REGULATION INFORMATION

RECYCLING INFORMATION
This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead please deliver it to the applicable collection point for the recycling of electrical and electronic equipment. By recycling this product correctly, you will help
conserve natural resources and prevent potential negative environmental consequences. For more detailed information about recycling of this product, please contact your local council office, your household waste disposal service or the shop where you
purchased the product(s) from.

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Use of the Works with Apple badge means that an accessory has been designed to work specifically with the technology identified in the badge and has been certified by the developer to meet Apple performance standards.
To control this AirPlay 2–enabled speaker, iOS 11.4 or later is required.
Apple, iPad, iPad Air, iPad Pro, iPhone and AirPlay are trademarks of Apple Inc., registered in the U.S. and other countries.

Windows® is a registered trademark of Microsoft Corporation in the United States and other countries.

Android™ is a trademark of Google, Inc.

Google, Chromecast built-in are trademarks of Google LLC.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Lithe Audio Ltd is under license. Other trademarks and trade names are those of their respective owners.

Wi-Fi CERTIFIED™ is a registered trademark of Wi-Fi Alliance®

Spotify software is subject to third party licenses found here: http://www.spotify.com/connect/third-party-licenses

All other products and services mentioned may be trademarks or service marks of their respective owners.

FCC ID: 2AQOB-LWFPRO

FC

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This warranty may not be valid if the product was purchased via an un-authorised dealer.

The warranty only applies to individual that made the orginal purchase, not transferable..

The purchaser must show proof of purchase by way of receipt (hard copy or digital copy)

The warranty is null and void if:

- product altered in any way from its orginal manufactured state
- security seal has been removed
- product defaced

No one is authorised to make or modify any warranty on behalf of Lithe Audio Ltd.

LITHEAUDIO®

2 YEAR GUARANTEE

This Ceiling Speaker is of excellent quality and construction. However, if any defects in materials or workmanship do appear during the guarantee period, we will, at our discretion, either repair or replace the defective parts, free of charge, subject to the terms and conditions of our Guarantee shown below.

This Guarantee covers both parts and labour. Carriage is not included.

This Guarantee provides benefits which are additional to, and do not affect, your statutory rights. This Guarantee does not cover the cost of returning the product to the dealer from whom it was purchased or to ourselves. This Guarantee applies only to products sold and located in mainland Great Britain. It does not cover liability in respect of or replacement of plugs, cables or fuses and also does not cover defects due to:
• Failure to use or maintain product in accordance with Lithe Audio instructions.
• The product being connected to an unsuitable electricity supply.
• Accidental damage to or abuse or misuse of the product.
• Product modification, except by Lithe Audio or approved agent.
• Dismantling of or interference with the product.

Before returning any product under this Guarantee, please check that:
• You have followed the product instructions correctly.
• Your mains electricity supply is functional.
• The defect is not due to a blown fuse.

If you wish to claim under this guarantee you should:
• Send the product, postage or carriage paid, to the dealer from whom it was purchased or to Lithe Audio direct.
• Ensure that the product is clean and packed carefully (preferably in its original carton).
• Enclose details of your name, address and telephone number and when and where the product was purchased, together with proof of purchase (e.g. a invoice or till receipt).
• Give exact details of the nature of the defect.

This Guarantee does not cover any other claims whatsoever, including, without limitation, any liability for incidental, indirect or consequential damage, nor does it cover any claims for conversion or modification or for the costs of repair carried out by any third party without the prior consent of Lithe Audio. If replacement parts are fitted to the product this will not extend the period of the Guarantee. For further advice contact the Lithe Audio customer services.

Lithe Audio products marked with the CE mark comply with the EC Low Voltage Directive: 73/23/EEC, Electromagnetic Compatibility Directive 89/336/EEC

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