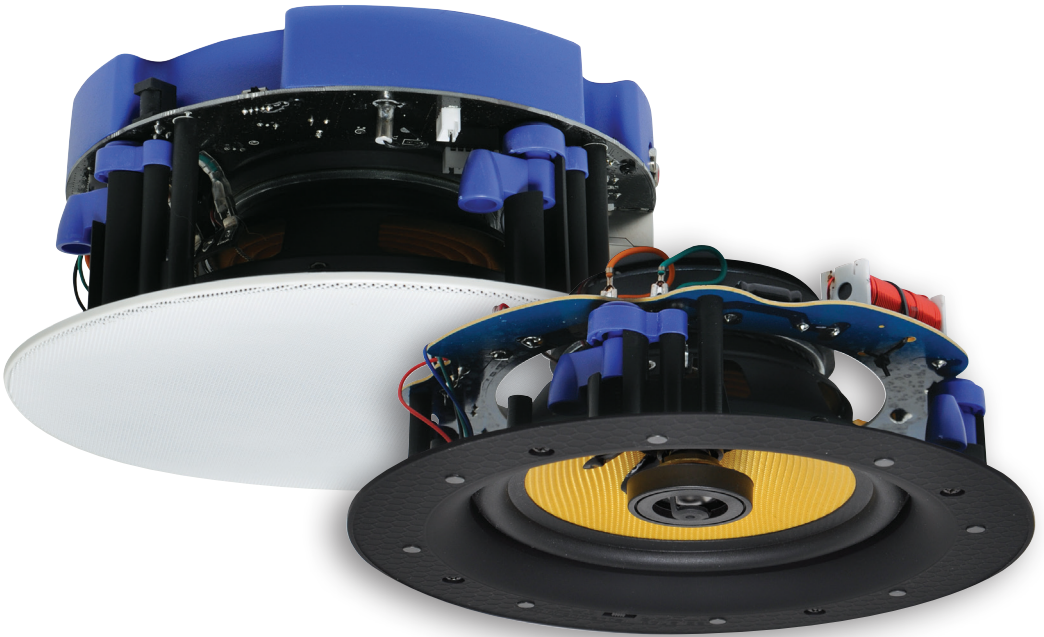# 165mm 2-Way Round Wi-Fi Ceiling Speaker Pair

Operating Instructions

Features

- In-built wifi (802.11b/g/n) 2.4GHz with smartphone, tablet or PC control.
- In-built 2 x 30W RMS amplifier.
- Includes active [Master] speaker and passive [Slave] speaker units - 60W RMS total.
- High performance woven glass fibre woofer and titanium dome tweeter.
- Supports multi-room/zone installations.
- In-app content, zone and output level control [Smartsonix].
- Includes 24V d.c. 2.5A power supply.

Introduction

Experience wireless music streaming throughout your home with these high-performance 'Woven Glass Fibre' cone speakers. They connect to your home's wireless router and allow you to stream music directly from your Wi-Fi enabled devices. Playback can be via stored music, podcasts, Spotify or other music streaming services. The 'Smartsonix' app is available on iOS or Android. You can have up to 10 speaker sets spread across different rooms in your premises (zones), all being controlled through the 'Smartsonix' application's zone management features. Speakers are also compatible with Apple Airplay, thereby permitting easy audio streaming directly from a huge array of iOS and Mac app store applications.

Specifications

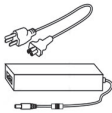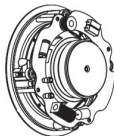| Speaker	Active Speaker	Passive Speaker
Woofer	165mm (6.5") Woven Glass Fibre cone	165mm (6.5") Woven Glass Fibre cone
Tweeter	19mm (0.75") Titanium dome	19mm (0.75") Titanium dome
Frequency response	65Hz-20kHz	60Hz-20kHz
Sensitivity (1w/1m)	90dB	90dB
Impedance (Nominal)	8 ohms	8 ohms
RMS Power	30W	30W
Treble attenuation	+3dB/-3dB	+3dB/-3dB
Dimensions (mm)	Ø234 x 100mm	Ø234 x 100mm
Amplifier		
Type	Class 'D' (digital)	/
Rated Power	2x 30W RMS per channel	/
Power Input	24V d.c. 2.5A (Adapter included)	/
Built-in WiFi Hotspot		
Wireless network compatibility	802.11b/g/n 2.4GHz	/
Supported audio format	MP3/WMA/AAC/ACC/ACC+/ALAC/APE/WAV	/
Wireless Range	80m	/

Inside the Package
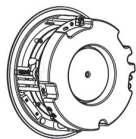
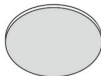Wi-Fi Speaker

User Manual

Power Cord
with Adapter

Passive Speaker

Cutout
Template

Grill

Grill

WiFi Speaker Installation

Equipment you will need:

Besides the cut-out template that is included in the box, you must have a ladder and ideally the equipment shown below to guarantee a safe and efficient installation.

Cutting Saw   Wire Strippers   Phillips Screwdriver   Pencil
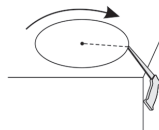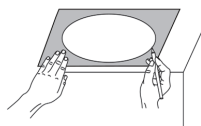
Tape Measure   Stud Finder   Safety Goggles   Ladder

Step 1: Use the enclosed template to mark out the cut out, then simply cut along the line. This is the only cut you will need to make.

Cutout Diameter: Ø210mm   Installation Depth: >102mm ± 2mm Tolerance

Step 2: Mount the DC adaptor in a suitable place in your wall or ceiling. Leave the plug end and jack end dangling through the ceiling hole. The adapter must be able to plug into a mains power supply. Connect the DC adaptor jack to the Wi-Fi speaker.
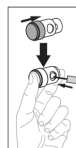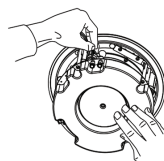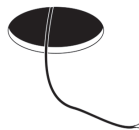
Step 3: Mount the speaker into the ceiling and tighten all the clamp screws with a Philips screwdriver. The location should suit the room you have identified in the controller APP.
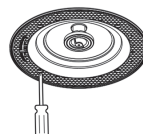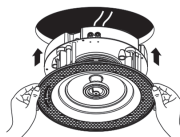
Step 4: As several magnets are on the speaker frame, attach the grill to the rim of the speaker directly.
Ensure the grill is attached to the speaker securely to keep the grill from falling. Plug in the DC adaptor to the power supply.
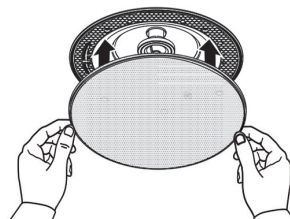
Speaker Overview

1. Woofer
2. Environmental Equalizer (±3dB)
    • Adjust the switch to optimize the sound.
3. Tweeter
4. LED Indicator

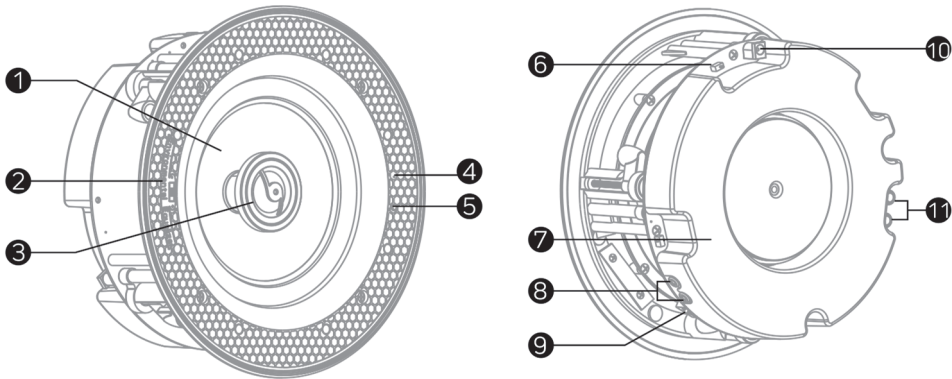| LED Condition	Status Meaning
Red rapid flash	Standby mode.
Red slow flash	Unit is starting up.
Red solid	Unit is ON, but not connected to network.
Blue slow flash	Connecting to network.
Blue solid	Unit is on and connected to network.
Green solid	Unit is playing from Wi-fi source.
Purple solid	Unit is playing from Aux input.
Alternate Red, Green and Blue flashing	Performing factory reset or software upgrade.
Alternate Red and Blue flashing	Amplifier fault.
Purple flashing	Software fault.

5. WPS
    • Short-press: enter the setup mode
    • Long-press: restore the device to original default settings
6. Volume Limiter
    • Limiter Enabled (50%): The volume will be limited to the max. output 15W@8Ω
    • Limiter Disable (100%): The volume can be adjusted to the max. output 30W@8Ω
7. Stereo/Mono Switch
    • Switch to the "stereo" position when a passive speaker is attached. If not, keep in "mono" position
8. RCA Jack
9. RJ45 Port
    • Ethernet port to connect data cable direct to router.
10. Power Input (DC 24V/2.5A)
11. Gold Plated Terminals

Caution: Speaker Network Setup

It is recommended to power on and connect the speakers with the premises Wi-Fi network before mounting speakers in the ceiling. This will allow easier access to the WPS button and confirm compatibility with the premises network.

Wi-Fi speaker setup:

Method 1 – App connection (iOS & Android devices)

Step 1: Installing Controller APP
• Search the Google play (Android) or App Store (iOS) to download the controller app called 'Smartsonix'

Step 2: Connecting the Wi-Fi Speaker
• Ensure the speaker is connected to the power supply. Press the WPS button to start the speaker, then you will hear an instruction "Enter the setup mode, follow the instructions in the APP to finish the setup", and the power indicator flashes blue indicating that the speaker is ready to connect. Any wireless device (such as phones, tablets, laptops etc.) can be connected. Once connected successfully, the power indicator will become steady blue.

1. Turn on the Wi-Fi function and connect your phone to an available Wi-Fi network that you want.
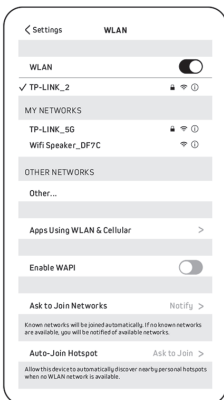
2. Start the controller APP Smart Sonix and click Add Device
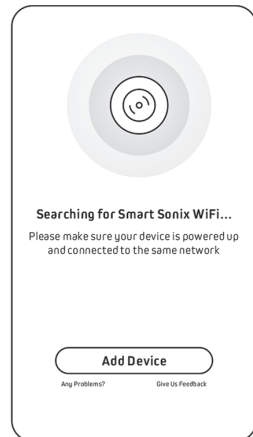
3. Follow the instructions in the app and get to your phone Wi-Fi settings to find the "Wi-Fi Speaker_****" in the network list and connect it.

Setup

-Go to your iPhone's Wi-Fi settings and select the Wi-Fi starting with Smart Sonix XXXX to connect.

After you have connected to your Smart Sonix Device WiFi manually, return to the app.

Could not find Smart Sonix_XXXX?

< Settings   WLAN

WLAN

✓ WiFi Speaker_DF7C
Unsecured Network

MY NETWORKS
TP-LINK_2
TP-LINK_5G

OTHER NETWORKS
Other...

Apps Using WLAN & Cellular   >

Enable WAPI

Ask to Join Networks   Notify >
Known networks will be joined automatically. If no known networks are available, you will be notified of available networks.

Auto-Join Hotspot   Ask to Join >
Allow this device to automatically discover nearby personal hotspots when no WLAN network is available.

Notes:

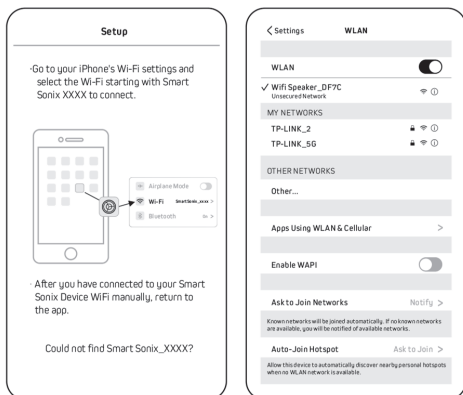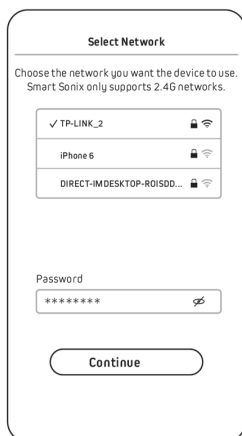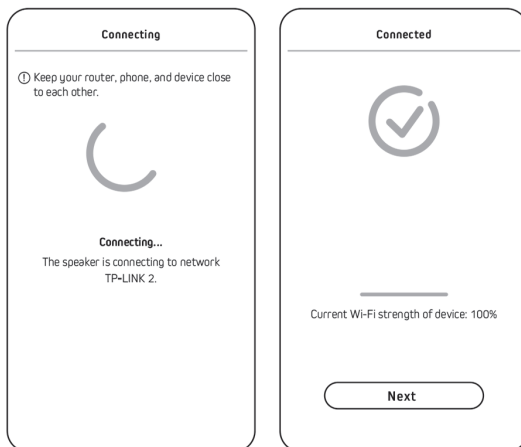• When the Wi-Fi ceiling speaker is first powered on, a WiFi connection is the first thing for which the speaker searches. If no wireless device is found on whilst connecting, the speaker will activate the RCA input after 5~20 seconds in standby.
• Wi-Fi input has the priority when Wi-Fi input and RCA input are connected simultaneously. If the wireless device stops streaming for 5 seconds or more, then the speaker will switch to RCA input if it is connected.
• The initial app password is "88888888", which can be reset in the Smart Sonix App.
• If the multi-room network fails the first time, restart all the equipment and then follow the standard connecting instructions. If trouble persists, press the "WPS button" located on the front of the speaker to reset the system. Make sure the speaker is powered during the reset.
• The wireless connection will be lost if the distance between the speaker and the wireless device exceeds 80m.

4. Return to the Smart Sonix. Choose the Wi-Fi the same as the one connected in step 1, type the password of the Wi-Fi and click Continue.

Select Network

Choose the network you want the device to use. Smart Sonix only supports 2.4G networks.

✓ TP-LINK_2

iPhone 6

DIRECT-IMDESKTOP-ROISDD...

Password

****

Continue

5. Wait for few seconds, the device will be connected to the Wi-Fi automatically. Note: After connecting successfully, click Next.

Connecting

ⓘ Keep your router, phone, and device close to each other.

Connecting...
The speaker is connecting to network TP-LINK 2.

Connected

Current Wi-Fi strength of device: 100%

Next

C 0870 165mm 2 Way Round WiFi Ceiling Speaker Pair

Name Device >

Custom....
Wifi Speaker DF7C
Bathroom
Bedroom
Den
Dining Room ✓
Family Room
Foyer
Garage
Garden
Guest Room
Hallway
Kitchen
Library
Living Room
Master Room
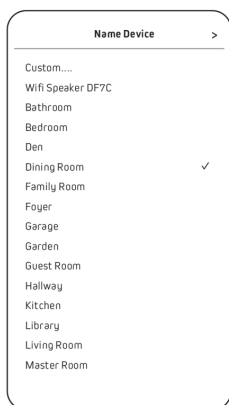
6. Name the device according to the room you will install and click >.

Device Lise

Dining Room ⚙
♫ 🔊————•——— ⓁⓇ

Play All

7. After finishing above settings, the Wi-Fi speaker will be in the device list, If you have more than one Wi-Fi speakers, press + to add devices and name them accordingly. After these steps, your multi-room music network is successfully established.

≡
🔍 Search
♡ Favorites
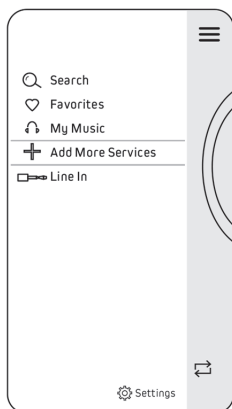🎧 My Music
＋ Add More Services
▭ Line In
⚙ Settings

8. Choose a device and play a song in you phone to test whether the device works. If ok, testing is finished and you can proceed to use the speaker.

Airplay Note:

For iPhone, iPad and iMac smart device with iOS operating system, you can use the Wi-Fi speaker through the Airplay function. Connect your device to the speaker Wi-Fi. In the pull-up or pull-down menu, click Airplay and choose the Wi-Fi speaker, then the audio can be streamed from your smart device.

Music
◄◄ ► ►►
Screen Mirroring

♫ iPhone Music �
iPhone
SPEAKERS & TVs
Bathroom ✓
Dining Room
🔊 ————•——— 🔊
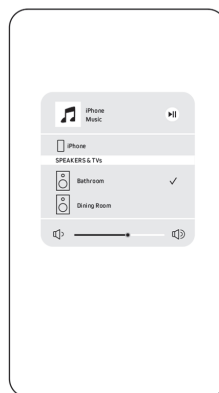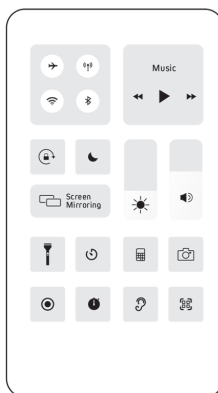
Method 2 – Direct Wi-Fi connect

Step 1: Connect speaker power supply.
Step 2: Connect to the speakers Wi-Fi hotspot.
The SSID will appear as "Wi-Fi Speaker_XXXX" (where "XXXX" will be a unique
4 digits/letters sequence.) **Default Password: 88888888**
Step 3: Open a browser – (Edge, Chrome, Safari etc) and type the following IP address
into the address bar of the browser. IP address: 10.10.10.254
Step 4: Follow prompts to: Select the wireless network of the premises and enter the
premises Wi-Fi network password. Once completed the speaker will be connected to
the premises Wi-Fi network.
Step 5: Disconnect the phone/table from the speaker Wi-Fi hotspot and connect the phone/tablet
to the premises Wi-Fi network.
Step 6: Open the Smartsonix app, the speaker will now appear ready for use.

For additional pairs:
1. Open Smartsonix app.
2. Press + symbol in top right corner.
3. Follow app prompts for premises Wi-Fi details: Wi-Fi name (SSID) and password)
4. Led on speaker will flash blue and speaker will voice prompt
"Searching for Wi-Fi connection".
Upon successful connection the LED will change to solid blue and voice prompt
"Wi-Fi connected" and the speaker will now be ready for use with Smartsonix app or Airplay.

Method 3 – Ethernet Cable

Step 1: Connect speaker to network via Ethernet cable.
Step 2: Connect speaker power supply.
Step 3: Connect your phone/tablet to the Wi-Fi on the premises.
Step 4: Open Smartsonix app. The speaker will appear ready for use.

Once the speakers are connected to the premises network, remove power from the speakers and install in preferred location.

Please Note: Final install location must still have strong Wi-Fi signal strength or Ethernet cable available. Once power is returned, the speakers will re-connect to the network.

NOTE: It is highly recommended to install the speakers with a power source that can be power cycled. For example A power point with an on/off switch within reach or smart home controlled power socket.

Care and Maintenance
• Turn off the power to the speaker when unused for long periods of time.
• Ensure all equipment is turned off prior to cleaning
• Surfaces need only occasional dusting/cleaning.
• Never use chemicals or solvents as they may damage the surface.
• Always clean using a dry cloth.
• Never touch the speaker drivers.

C 0870 165mm 2 Way Round WiFi Ceiling Speaker Pair

Wi-Fi Compatibility

If installing the speakers in an enterprise level network environment, please consult the network administrator or I.T. professional to ensure the network will allow the speakers to connect.

For non-enterprise level networks such as residential and home networks:
1. Please ensure the router has the 2.4 GHz Wi-Fi band enabled. The speakers will not connect with routers/access points that are ONLY on the 5ghz band.
2. Ensure the network's access points are not using WPA-Enterprise mode protocol. The speakers do not support WPA-enterprise mode.
3. Ensure the router has DHCP enabled.
4. Ensure the access points do not have a captive guest portal activated.
5. Ensure the access points are not using a hidden SSID.
6. Ensure the router is not using AP isolation, since the speakers will not appear in the search on networks with AP isolation security.
7. Ensure the router supports Multicast (IGMP).

Wi-Fi Connection Hints:

1. Router Device Connection limit
Some routers have a limit for the number of Wi-Fi devices that can be connected at one time – typically between 10 and 15 Wi-Fi enabled devices together. Please check the router specification to ensure that this device limit is not exceeded. A router which is overloaded, trying to accommodate multiple connected devices, may drop some devices off the network.

2. Limited Signal Coverage
The further away the speakers are from the Wi-Fi router, the weaker the wireless connection, and the more likely that drop outs will occur. The speakers do require good Wi-Fi signal strength to operate. If the speaker location has poor Wi-Fi signal strength, then they may drop connection. Please relocate the Wi-Fi router/access point or add Wi-Fi extenders to improve signal strength. Alternatively, consider using the Master speaker's RJ-45 port to install a wired connection from the speaker to the router.

Device Resetting:

If the multi-room network fails during operation, you can press the WPS button to restore the speaker to its original factory default settings. Uninstall the Wi-Fi speaker from the ceiling and press the WPS button for around 5 seconds. During this operation, make sure the speaker is power switched on.

Device Personal Setting:

• Rename: If you find the Wi-Fi speaker is wrongly named after installation, you can rename the device as you see fit using the mobile App.
• Speaker info: To protect the speaker's Wi-Fi signal from being hacked by others, you can set a password for your device. The default password is 88888888.

Altronic Distributors warrants this product for one year from date of purchase from Altronics or its resellers to the consumer. If this item is part of an installation or another product, please contact the installer or supplier for your warranty.

During the warranty period, we undertake to repair or replace your product at no charge if found to be defective due to a manufacturing fault. The warranty excludes damage by misuse or incorrect installation (i.e. failure to install and operate device according to specifications in the supplied instruction manual), neglect, shipping accident, or no fault found, nor by use in a way or manner not intended by the supplier.

For repair or service please contact your **PLACE OF PURCHASE**.

If this item was purchased directly from Altronics please make a warranty claim by:

1. FOR MAIL ORDER CUSTOMERS (includes school and trade orders),

a) Calling your nearest store location and quoting your tax invoice number.

b) Upon contacting Altronics, we will issue an R.A. (Return Authorisation). As Altronics have a number of service agents throughout Australia, a copy of the R.A. will be emailed, faxed or mailed to you with full instructions of how and where to send the goods. The freight for shipping goods back to Altronics for all repairs is at the customers expense.

c) A copy of the R.A. form, (or at the very minimum, the R.A. number) must accompany the goods to effect the repair.

d) Altronics will pay the return freight to the customer where the warranty claim has been accepted.

e) Please quote the R.A. number in any correspondence to us.

2. FOR OVER THE COUNTER PURCHASES to make a warranty claim, please return the goods to us in any of our stores, with a copy of your proof of purchase (tax invoice).

a) Upon leaving the goods at one of our stores, an R.A. number will be issued to you.

b) Once repaired, you will be contacted, advising that the goods are ready to be collected from the store.

It is at Altronics discretion as to whether the goods will be repaired or replaced (whilst under warranty); and as to whether identical goods will be used to replace the item due to changes of models / products.

Note: Under no circumstances should you attempt to repair the device yourself or via a non-authorised Altronics service centre, as this will invalidate the warranty!

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.