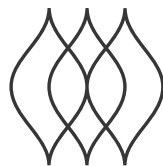# Bowers & Wilkins

FORMATION **AUDIO**

Welcome to Bowers & Wilkins and Formation Audio.

established Bowers & Wilkins he did so in the belief that imaginative design, innovative engineering and advanced technology were keys that could unlock the enjoyment of audio in the Bowers & Wilkins Home. That belief continues to inspire every product we design and in Formation has found its most advanced expression yet.

conventional audio sources to be played both locally and over a Formation network, and audio streams to be played via wired active speakers or through a

using the Bowers & Wilkins Bowers & Wilkins Home app. The app is available for both iOS and Android devices. Some commonly used control functions are also available via buttons on the formation Audio front panel. It is only possible to

Formation Audio will enable you to:

- Listen to audio from streaming services like Spotify, Apple Music and Roon via

- Listen to audio over Bluetooth from appropriately enabled Bluetooth source devices.

- Listen to audio from locally connected devices such as turntables (via a phono preamp) and CD players.

- Listen to audio, such as Internet Radio, from Airplay or Bluetooth compatible services and apps.

- Listen to audio playing anywhere in your home on any Formation device connected to your home network.

The Bowers & Wilkins Home app is required to connect your Formation Audio to your home network and also to establish connection with other Formation products in your home. The Bowers & Wilkins Home app and also provides some

Audio installation please download and install the Bowers & Wilkins Home app on your iOS or Android device. The Bowers & WIlkins Home app requires iOS V11.4 or later, or Android V8.1 or later. Bluetooth, and WiFi services must be enabled on your iOS or Android device. You will also need to know your WiFi network password.

Note: Location Services must be enabled on Android devices during the Formation set up process. This is because Formation products use a low power form of Bluetooth (BT-LE) for service communication which on Android devices is only switched on when Location Services are enabled. Bowers & WIlkins do not use any location services data for marketing purposes.

1. Formation Audio Carton Contents

Formation Audio
Mains power cable set appropriate for your territory
Document pack

Environmental Information
This product complies with international directives, including but not limited to the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment, the Registration, Evaluation, Authorisation and restriction of Chemicals (REACH) and the disposal of Waste Electrical and Electronic Equipment (WEEE). Consult your local waste disposal authority for guidance on how properly to recycle or dispose of this product.

2. Installing Your Formation Audio

Location
Your Formation Audio requires only a mains power supply to operate and can be located almost

Formation Audio is to be connected to an existing audio system, or is to use a wired connection to a network router, it will need to be located within reach of the necessary cables.

Note: Formation Audio employs a Bluetooth connection to the device running the Bowers & Wilkins Home app during the set up process. Bluetooth signals have a relatively short range and can be interrupted by room boundaries, so we recommend that your Formation Audio and Bowers & Wilkins Home app device remain in close proximity during the set up process.

Connections
In addition to its mains power socket, Formation Audio carries the connection sockets on its rear panel listed below. Always use high quality connection cables with your Formation Audio.

Inputs
• 1 x stereo pair of RCA phono sockets. Connect an analogue audio source such as a CD player or

• 1 x optical digital (TOSLINK) socket. Connect an optical digital audio source such as a CD player.

Outputs
• 1 x stereo pair of RCA phono sockets. Connect to

• 1 x S/PDIF RCA phono socket. Connect to a

digital input, or to an active speaker digital input.

Network
• 1 x Ethernet socket. Connect to your network router if a wired network connection is to be used in preference to a wireless (WiFi) connection.

Note: The USB socket located on the Formation Audio rear panel is intended for service and diagnostic use only. It cannot be used for any other purpose.

Switch On and Off
With all connections made, and the Bowers & Wilkins Home app installed on your mobile device, your Formation Audio is ready to be set up and used. Your Formation Audio has no mains power switch and, following a short start-up routine, will be operational as soon as it is connected to mains power. It will play an audio prompt when its startup routine is complete.

When a Formation Audio that has not been

automatically enter setup mode to enable its connection to your home network and to any other available Formation devices. Setup mode is indicated by a slow orange pulse illumination of the Form touch button 〰. The Formation Audio will also appear in the Bowers & Wilkins Home app as available for set up, either on the initial app page, or after selecting 'Add Formation product' from the app Settings page.

Your Formation Audio manages its operational state and power consumption entirely automatically and will switch to a power saving mode after twenty minuets of inactivity. There is no need ever to switch off your Formation Audio, however should you wish to do so, simply disconnected it from mains power. Your Formation Audio will retain its settings without mains power.

You can restart a Formation Audio speaker by a short press and release of the reset button located on its rear panel. Pressing the button will switch the Formation Audio off and on again. All settings will be retained when your Formation Audio restarts. You can also restart your Formation Audio via the Bowers & Wilkins Home app Settings page.

If you wish to to reset your Formation Audio to its default settings, press and hold the reset button for

enter setup mode. All settings will be deleted when your Formation Audio resets. You can also reset your Formation Audio via the Bowers & Wilkins Home app Settings menu.

Network Set Up
• With your Formation Audio in setup mode, with its Form button 〰 illumination pulsing slowly orange, launch the Bowers & Wilkins Home app on your iOS or Android device. The app will guide you with prompts though the set up process.

Note: Formation Audio employs a Bluetooth connection to the device running the Bowers & Wilkins Home app during the set up process. Bluetooth signals have a relatively short range and can be interrupted by room boundaries, so we recommend that your Formation Audio and Bowers & Wilkins Home app device remain in close proximity during the set up process.

for Formation products in setup mode and display a screen inviting the selection of one. Tap to select your Formation Audio. If you have already set up a Formation product and are adding an additional one, select 'Add Formation product' from the app Settings menu.

• The Bowers & Wilkins Home app will next invite you to name the "space" in which your Formation Audio is to be used. A list of default space names is provided but you can also create your own. When you have selected, or created, a space name, the app will ask you to touch the Form button 〰 on the top of your Formation Audio

• If a wireless network connection for your Formation Audio is to be used, the next set up stage will connect your Formation Audio to your home WiFi network. The app will ask you to

input its password. Alternatively, if your Formation Audio is connected to your network router using an Ethernet cable, this stage of the set up process will be bypassed.

Note: If you already have other Formation products connected to your WiFi network, Formation Audio set up will not require you input the WiFi password.

• If you have conventional audio sources connected to your Formation Audio, the Bowers & Wilkins Home app will now give you the opportunity to name them. A list of default names is provided but you can also create your own.

selection complete, your Formation Audio is ready for use. Your Formation Audio will play an audio

Bluetooth Set Up
You can connect your Formation Audio to a Bluetooth enabled audio source device, such as a smartphone, to play audio over Bluetooth. Your

Bluetooth audio source device.

Once you have completed the Formation Audio network set up, open the Bowers & Wilkins Home app Settings page, and select the Formation Space that you wish to pair a Bluetooth device with. Next select '+ Pair a new device' from the Bluetooth menu and follow the app instructions to complete pairing. Your Formation Audio will play an audio prompt when pairing is complete and its Space will become available to the paired Bluetooth device for audio playback.

Note: Up to eight Bluetooth devices can be simultaneously paired with each Formation space, however devices will not connect and play to paired spaces automatically.

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5. Formation Music Streams and Sources

Using Spotify
Listen out loud with Spotify Connect

1. Connect your Formation Audio to your WiFi network.

2. Open up the Spotify app on your phone, tablet or laptop using the same network.

3. Play a song and select Devices Available.

4. Select your Space Name and start listening.

Using Airplay
Airplay enables audio apps on Apple mobile, laptop or desktop devices to stream material over a network to Airplay compatible speakers such as Formation Audio. Airplay enabled apps will display the Airplay icon.

To use Airplay, open the audio app you wish to use and select the music you wish to play. Tap on the Airplay icon to display a list of available devices followed by the Formation Space you wish to use.

Note: It is possible to stream audio via Airplay on multiple devices simultaneously, however the playback quality and synchronisation and may then depend on the capabilities of your home network. If you wish to play material simultaneously in more than one Formation space this will be more satisfactorily achieved through selecting multiple spaces in the Bowers & Wilkins Home app.

Using Roon
Roon is a feature rich music library and playback

network and makes them easily available to play across all your Formation Spaces and any other Roon enabled audio devices. Roon is available for mobile, laptop or desktop devices.

When you open Roon it will display your complete audio library together with its metadata and artwork along with all the Formation Spaces and any other available network audio devices. Simply select the music you wish to play and Formation space in which you want to hear it.

Note: It is possible to stream audio from Roon on multiple devices simultaneously, however the playback quality and synchronisation and may then depend on the capabilities of your home network. If you wish to play material simultaneously in more than one Formation space this will be more satisfactorily achieved through selecting multiple spaces in the Bowers & Wilkins Home app.

Using Bluetooth
Bluetooth enables audio apps on mobile, laptop or desktop devices to stream material over a wireless connection to compatible hardware such as the Formation Audio. Bluetooth enabled audio apps will display the Airplay icon.

To use Bluetooth, ensure that the required Formation Space is selected in your device Bluetooth settings menu, open the audio app you wish to use and select the music you wish to play. Tap on the playback devices icon to display a list of those available followed by Formation Space you wish to use.

6. Cleaning and Support

Cleaning
Should your Formation Audio need cleaning you can wipe its top surface with a clean, lint-free cloth and brush its grille with a soft brush. If you wish to use

and not directly onto the Formation Audio. Test a

damage some of the surfaces. Avoid products that are abrasive, or contain acid, alkali or anti-bacterial agents.