Bowers & Wilkins

Zeppelin
Pro Edition

Welcome to Bowers & Wilkins and Zeppelin Pro Edition

When John Bowers first 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 home. That belief continues to inspire every product we design.

Zeppelin Pro Edition is a network connected, wireless active speaker that provides extremely high performance. Zeppelin Pro Edition is primarily intended to be configured and controlled using the Bowers & Wilkins Music App. The app is available for both iOS and Android devices. Some commonly used control functions are also available via touch buttons on the Zeppelin Pro Edition rear panel. It is only possible to install and configure a Zeppelin Pro Edition using the Bowers & Wilkins Music App.

Zeppelin Pro Edition will enable you to:

- Listen to audio from streaming services like Tidal, Qobuz, Deezer, Spotify, Apple Music, and many others.

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

- Listen to audio playing anywhere in your home on any compatible Bowers & Wilkins Wireless speaker connected to your home network.*

The Bowers & Wilkins Music App is required to connect your Zeppelin Pro Edition to your home network and also to establish connection with other Formation products in your home. The Bowers & Wilkins Music App also provides some control and configuration functions during use. Before you begin your Zeppelin Pro Edition installation, please download and install the Bowers & Wilkins Music App on your iOS or Android device. The Bowers & Wilkins Music App requires iOS 11.4 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 setup 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.

*Feature to be enabled in early 2022; compatible with Formation speakers

www.bowerswilkins.com

1. Contents

Zeppelin Pro Edition
Power cable
Literature pack

2. Installing Your Zeppelin Pro Edition

Your Zeppelin Pro Edition requires a mains power supply to operate so it must be located within reach of a mains socket. If your Zeppelin Pro Edition is to use a wired connection to your home network, it will need to be located within reach of an appropriate network (Ethernet) cable and use a USB-C to Ethernet adaptor – see section 2.1.

Your Zeppelin Pro Edition can be placed on a shelf, table or furniture unit, or it can be wall-mounted on a dedicated wall bracket which is available as an accessory to purchase online.

If you decide to place your Zeppelin Pro Edition on a shelf, ensure that the shelf is easily able to support the weight. The audio performance may be diminished if mounting furniture or shelf panels are flimsy or resonant.

Note: If your Zeppelin Pro Edition is to be mounted on a wall bracket, be sure to install the bracket in line with its included instructions. If you are unsure of the suitability of a wall, or of your ability to install the wall bracket, you should engage specialist help. Stud-work and plasterboard walls are unlikely to provide adequate strength or rigidity to support a Zeppelin Pro Edition speaker and bracket.

Like the vast majority of speakers, your Zeppelin Pro Edition radiates sound energy not only forward but also to the side and rear. Consequently, if your Zeppelin Pro Edition is positioned close to room boundaries, or particularly in a corner, bass may become overemphasised. If you find that bass from your Zeppelin Pro Edition is too prominent, moving it to an alternative position may be beneficial, or you can lower the bass level via the Bowers & Wilkins Music App Settings menu.

2.1 Connections

In addition to a mains power socket, your Zeppelin Pro Edition speaker also has a USB-C connection for service. It is possible to connect the Zeppelin Pro Edition to a wired (Ethernet) connection with the use of an Ethernet-to-USB-C adaptor (not supplied).

Note: Please connect your Wi-Fi or wired LAN to a commercially available router that is certified as telecommunications terminal equipment.

2.2 Switching On and Off

With all connections made, and the Bowers & Wilkins Music App installed on your mobile device, your Zeppelin Pro Edition is ready to be set up. Your Zeppelin Pro Edition has no mains power switch and once connected to mains will run a short start-up routine before being ready to use. The start-up routine includes booting up the speaker, connecting to the network and establishing a link to any streaming services and, therefore, can take some time to complete. During this time the Multifunction button will flash white during boot up and amber when establishing a network connection. It will play an audio prompt when its start-up routine is complete.

When a Zeppelin Pro Edition that has not been previously used is first switched on, it will automatically enter setup mode to enable its connection to your home network. Setup mode is indicated by a slow amber pulse illumination of the Multifunction button (see Diagram 1). The Zeppelin Pro Edition will also appear in the Bowers & Wilkins Music App as available for set up, either as a pop-up or after selecting 'Add Product' from the app Settings page.

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

3. Restarting / Rebooting

You can restart a Zeppelin Pro Edition speaker with a short press and release of the Reset button located on the rear panel (see Diagram 1). Pressing the button will reboot the Zeppelin Pro Edition off and on again. All settings will be retained when your Zeppelin Pro Edition restarts. You can also restart your Zeppelin Pro Edition via the Bowers & Wilkins Music App Settings page.

4. Factory Reset

If you wish to reset your Zeppelin Pro Edition to its factory default settings, press and hold the Reset button for five seconds. The Reset button location can be seen in Diagram 1. The reset process will be indicated by a red Multifunction button and an audio queue; this process will shut down the Zeppelin Pro Edition. On restart, your Zeppelin Pro Edition will enter setup mode. All settings will be deleted when your Zeppelin Pro Edition resets. You can also reset your Zeppelin Pro Edition via the Bowers & Wilkins Music App Settings menu.

5. Setting up on a Network

With your Zeppelin Pro Edition in setup mode and with its Multifunction button pulsing slowly amber, launch the Bowers & Wilkins Music App on your iOS or Android device. The app will guide you with prompts through the setup process.

Note: Zeppelin Pro Edition employs a Bluetooth connection to the device running the Bowers & Wilkins Music App during the setup process. Bluetooth signals have a relatively short range and can be interrupted by room boundaries, so we recommend that your Zeppelin Pro Edition and Bowers & Wilkins Music App device remain close to the product during the setup process.

The Bowers & Wilkins Music App requires you to create a user account. When you first download the app, you will be asked to sign into your account if you already have one, or create an account. You will need to input a username and password. You can also modify the notifications for your account before setting up. Once you have created an account, you will need to validate the email address by clicking the link that will have been sent to your email address.

The Bowers & Wilkins Music App will first search for any products in setup mode and then will automatically prompt you to start the setup process. Alternatively, you can set up a new product from the Settings menu by selecting 'Add Product' under the 'Your Devices' section.

The setup process in the Bowers & Wilkins Music App will ask you to name the 'Space' in which your Zeppelin Pro Edition is to be used. A list of suggested 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 press the Multifunction button on the top of your Zeppelin Pro Edition to confirm the selection.

If a wireless network connection is to be used for your Zeppelin Pro Edition, the next setup stage is to connect your Zeppelin Pro Edition to your home WiFi network. The app will ask you to confirm the correct WiFi network and ask you to input its password. Alternatively, if your Zeppelin Pro Edition is connected to your network router using an Ethernet cable and a USB-C to Ethernet adaptor, this stage of the setup process will be bypassed.

Note: If you already have other Bowers & Wilkins compatible products connected to your WiFi network, the Zeppelin Pro Edition will not require you to input your WiFi password as this will be shared securely via the Quick Connect function.

With WiFi network configuration and space selection complete, your Zeppelin Pro Edition is ready for use. Your Zeppelin Pro Edition will play an audio prompt to confirm successful setup.
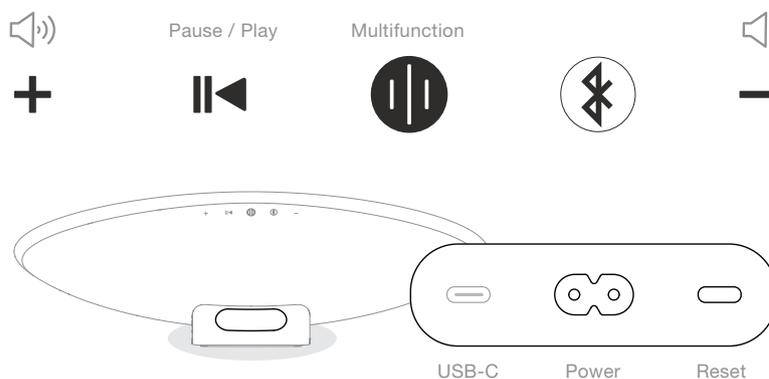
Diagram 1
Zeppelin Pro Edition control panel and connectors

6. Standalone Bluetooth Setup

It is possible to use your Zeppelin Pro Edition over Bluetooth without the need to connect the product to a network. With your Zeppelin Pro Edition in setup mode – indicated by the Multifunction button pulsing slowly amber – press and hold the Bluetooth button for 5 seconds. The Zeppelin will play an audio prompt and the Multifunction button will be flashing blue. This indicates that the Zeppelin Pro Edition is in Bluetooth pairing mode and can be connected to via your source device's Bluetooth menu. The Zeppelin will be available in the Bluetooth menu under the name 'Zeppelin Pro Edition'.

The Zeppelin can be paired with multiple devices by pressing and holding the Multifunction button for 5 seconds to enter pairing mode. The Zeppelin can support pairing with up to eight devices. When in Bluetooth only mode, the Zeppelin's downward-facing light will always be on and cannot be controlled (see section 11).

If your Zeppelin Pro Edition is already connected to a network having been set up in the Bowers & Wilkins Music App, the device name will be the Space name you have assigned the Zeppelin Pro Edition during setup. Pressing the Bluetooth button will activate the Bluetooth input, and the pairing status can be seen in the Bowers & Wilkins Music App. Playing content from the Bowers & Wilkins Music App will take the Zeppelin out of Bluetooth input mode.

7. Using Your Zeppelin Pro Edition

7.1 The Basics

You can use your Zeppelin Pro Edition to play audio from streaming services such as Spotify, Apple Music, Qobuz and Tidal. These can be streamed directly from the Bowers & Wilkins Music App, Spotify Connect, Airplay 2 or Bluetooth.

7.2 Spaces

Spaces are a core concept of the Formation product family. A 'Space' is a room or a specific area in your home in which you listen to music. It is not possible to use the Zeppelin Pro Edition with any other device in the same space.

7.3 Playing Audio via the Bowers & Wilkins Music App

Once you have connected your product and enabled a music streaming service within the app, you can browse music from your streaming service. Once you have selected the track you want to play, simply click the 'Play' button. If you only have a single space, the music will automatically play in that space. If you have multiple spaces, clicking 'Play' will display a list of the available spaces in your home, and selecting a space will play the audio through the selected space.

7.4 Playing Audio via Spotify Connect

Use your phone, tablet or computer as a remote control for Spotify. Go to https://www.spotify.com/connect to learn how.

The Spotify Software is subject to third party licenses found here: https://www.spotify.com/connect/thirdparty-licenses.

7.5 Playing Audio via AirPlay

AirPlay enables apps on Apple mobile, laptop or desktop devices to stream audio over a network to any AirPlay-compatible speakers, such as Zeppelin Pro Edition. AirPlay-enabled apps will display the AirPlay icon.

To use AirPlay open the app you wish to use and select the content you wish to play. Tap on the AirPlay icon to display a list of available devices followed by the space name you wish to use.

7.6 Playing Audio via Bluetooth

Bluetooth enables audio apps on mobile, laptop or desktop devices to stream material over a wireless connection to your Zeppelin Pro Edition.

To use Bluetooth you will first need to pair your device to the Zeppelin Pro Edition. On the Bowers & Wilkins Music App, select Settings and then select the space that contains the device you want to pair with. Selecting 'Pair new device' will put the Zeppelin Pro Edition into Bluetooth pairing mode. Go to the Bluetooth menu of your device and you will be able to pair with the Zeppelin Pro Edition. The Zeppelin Pro Edition will use the space name in the Bluetooth pairing menu. Once paired you can play audio via any app on your source device. You can see a list of the paired devices to your Zeppelin Pro Edition in the Bowers & Wilkins Music App.

Note: The Zeppelin Pro Edition will remain in pairing mode for 2 minutes and time out if no device is paired within that time. To re-enter pairing mode repeat the steps above.

8. Bowers & Wilkins Music App

The Bowers & Wilkins Music App opens on the main page. At the bottom of the page are four navigation icons for the main sections of the app: browse, library, search and settings. The icon illuminated in yellow indicates which page you are on.

8.1 Browse

The browse page of the Bowers & Wilkins Music App has content arranged in multiple rows in a ribbon view that you can search through by swiping right and left. The browse page shows recommended playlists that are generated based on your musical taste, your recently played music and some recommended playlists curated by Bowers & Wilkins. You can also scroll down and browse music from any specific streaming services you have linked to your app.

Note: The recommendations are based on the genres, artists, albums and tracks that you have liked. To like any material simply click the heart symbol. The more you like the better the recommendations will be. Your recommendations will stay with you and your Bowers & Wilkins account and is not linked to your music streaming service.

8.2 Library

The Library page groups together all the material that you have liked either in the Bowers & Wilkins Music App or in any of your streaming services. You can search content here by music, podcasts and radio. If you have liked material in a streaming service native app, it may not appear in the Bowers & Wilkins Music App Library straight away.

8.3 Search

You can search for any music via the search function in the Bowers & Wilkins Music App. The app will search for results from all of your linked streaming services.

8.4 Settings

The Settings pages allow you to configure multiple products within your home. The Settings page is split into different sections:

- *Your Spaces*
  This section lists out all the spaces within your home and from this you can configure individual devices.

- *Your Account*
  This section allows you to modify your account details and link any music services to your app.

- *Your Products*
  This is where you can trigger any updates that are available for any of your products in your home.

8.5 Linking Streaming Services

The Bowers & Wilkins Music App enables you to select and play music from a number of streaming services, such as Qobuz, Tidal, Deezer and many more. To do this the Bowers & Wilkins Music App needs to be linked to your music streaming service. This can be done in Settings via the 'Link Services' button in 'Your Account'. Simply tap and follow the on-screen instructions.

8.6 Player View

When audio is playing on the Zeppelin Pro Edition, you can control the volume, play/pause the audio, skip forward and skip back. The Player view can be minimised by hitting the down arrow on the top left of the screen. This minimises the player view to the bottom of the main screen. The Player view can be maximised by tapping on the mini player view at any time.

9. Software Update

Zeppelin Pro Edition is a network connected speaker and, as such, reliability improvements, new functions and new features can be enabled via software updates. When a software update is available for any product on your network, a tag is marked on the Settings icon. Going to the Settings page will display the available update. Tapping this will trigger an update for all the products on the network that require an update.

10. Audio Adjustments

The placement of any speaker can have an impact on the audio. Placing a speaker close to a wall can overemphasise the bass, and if the speaker is not facing you, the high frequency content can be lowered. Therefore, it is possible to adjust the bass and treble settings of your Zeppelin Pro Edition to allow greater flexibility in positioning within your room. To access these settings, select Settings and then the name of the space containing the product you wish to adjust, then select the device. You can then adjust the bass and treble from -6dB to +6dB. The settings will be stored by the Zeppelin Pro Edition when the power is disconnected but will be reset after a factory reset.

11. Downward-Facing LED

The Zeppelin Pro Edition incorporates a downward-facing LED light that illuminates the bottom of the Zeppelin Pro Edition. This downlight can be adjusted via the Bowers & Wilkins Music App. To access the controls, select Settings and then the name of the space containing the product you wish to adjust, then select the device. The light can be enabled and disabled, and the brightness can be adjusted. There are also alternative colour options for the downlight.

The downward-facing LED will be illuminated whenever the Zeppelin Pro Edition is being used. The light will turn off after 20 minutes of inactivity.

12. Zeppelin Pro Edition Controls

Your Zeppelin Pro Edition has buttons on the upper rear panel that provide play/pause control, volume adjustment and voice services – see Diagram 1.

Pressing play/pause will alternately stop and restart audio playback.

Pressing Volume Up (+) or Volume Down (-) will adjust the volume of any audio that is being played. Pressing and holding the + and - buttons will continuously increase or decrease volume.

Touching the Multifunction button will cycle through and play the active streams and sources available to the Zeppelin Pro Edition. The Zeppelin Pro Edition Multifunction button illumination changes to indicate a variety of operational states. The illuminations are displayed in Diagram 2.

Pressing the Voice Service button allows you to talk to the voice assistant without needing to say the trigger word. This functionality requires a voice service to be enabled on your Zeppelin Pro Edition.

13. Cleaning

Should your Zeppelin Pro Edition 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 any cleaning fluid, apply it onto the cleaning cloth and not directly onto the Zeppelin Pro Edition. Test a small area first, as some cleaning products may damage some of the surfaces. Avoid products that are abrasive, or contain acid, alkali or antibacterial agents.

14. Support

Should you require further help or advice regarding your product please visit the support site: www.bowerswilkins.com/support.

15. Environmental Information

This product automatically manages its power state without the need of any interaction. When connected to a network and not in use, the power consumption is automatically reduced below 2 watts.

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.

Illumination		Operational state
Flashing white		Start-up in progress
Pulsing amber		Ready for setup
Flashing amber		Firmware update in progress
Pulsing white		Audio pull in progress
Pulsing red		Error – contact support
Solid red		Error – contact support
Flashing red		Factory reset in progress
Flashing blue		Bluetooth pairing mode
Solid blue		Bluetooth connection established

Diagram 2
Multifunction indicator illuminations

Specifications

Technical Features	Bowers & Wilkins Music App (with Deezer, Qobuz and TIDAL support) Apple AirPlay 2 Spotify Connect Bluetooth In Digital Signal Processing Dynamic EQ
Bluetooth	5.0
Bluetooth Codecs	aptX™ Adaptive AAC SBC
AirPlay 2 Compatibility	iPhone, iPad, and iPod touch with iOS 11.4 or later, Apple TV 4K or Apple TV (4th Generation) with tv OS 11.4 or later, Mac or PC with iTunes 12.8 or later
Amplifier Power Output	240W
Drive Units	HF 2x 25mm (1") titanium double dome tweeters MF 2x 90mm (3 ½") FST midrange LF 1x 150mm (6") subwoofer
Frequency Response	35Hz to 24kHz
Dimensions	210mm (h) x 650mm (w) x 194mm (d)
Weight	6.5kg
Connections	USB-C – service only
Input Voltage	100V-240V, 50/60Hz
Power Consumption	Below 2 watts (sleep)