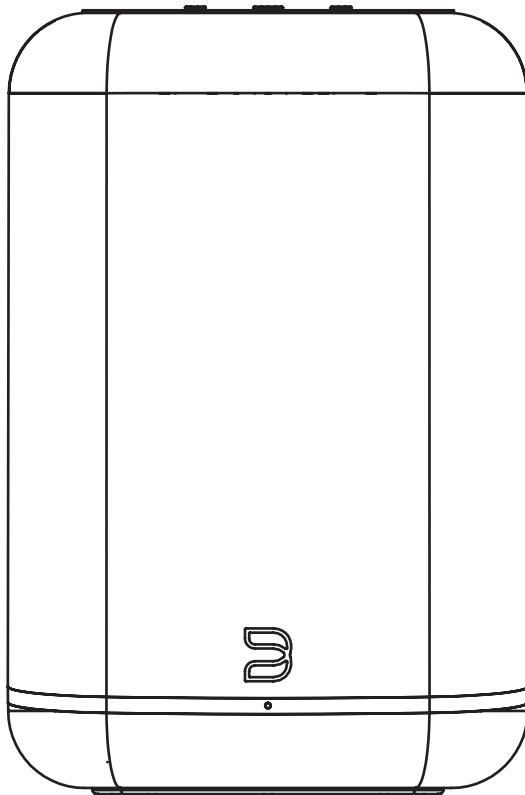


BLUESOUND

PULSE FLEX

WIRELESS ALL-IN-ONE STREAMING SPEAKER



OWNER'S MANUAL

Welcome to Bluesound

Thank you for purchasing your PULSE FLEX. It is a versatile wireless streaming speaker that conveniently brings the enjoyment of hi-resolution music and audio to everyday life. It can be used as a standalone player to fill your space with sound, as a stereo pair to create a true two-channel listening setup, or grouped with other Bluesound players to create multi-room and home theater listening experiences.

This Owner's Manual will provide you with a detailed overview of your PULSE FLEX and its features. It also includes some troubleshooting tips and tricks and networking best practices. The Quick Setup Guide included with your PULSE FLEX will help you get it on the network and ready to listen to your music.

If you need more help or information please visit support.bluesound.com or send us an email at support@bluesound.com

Accessories



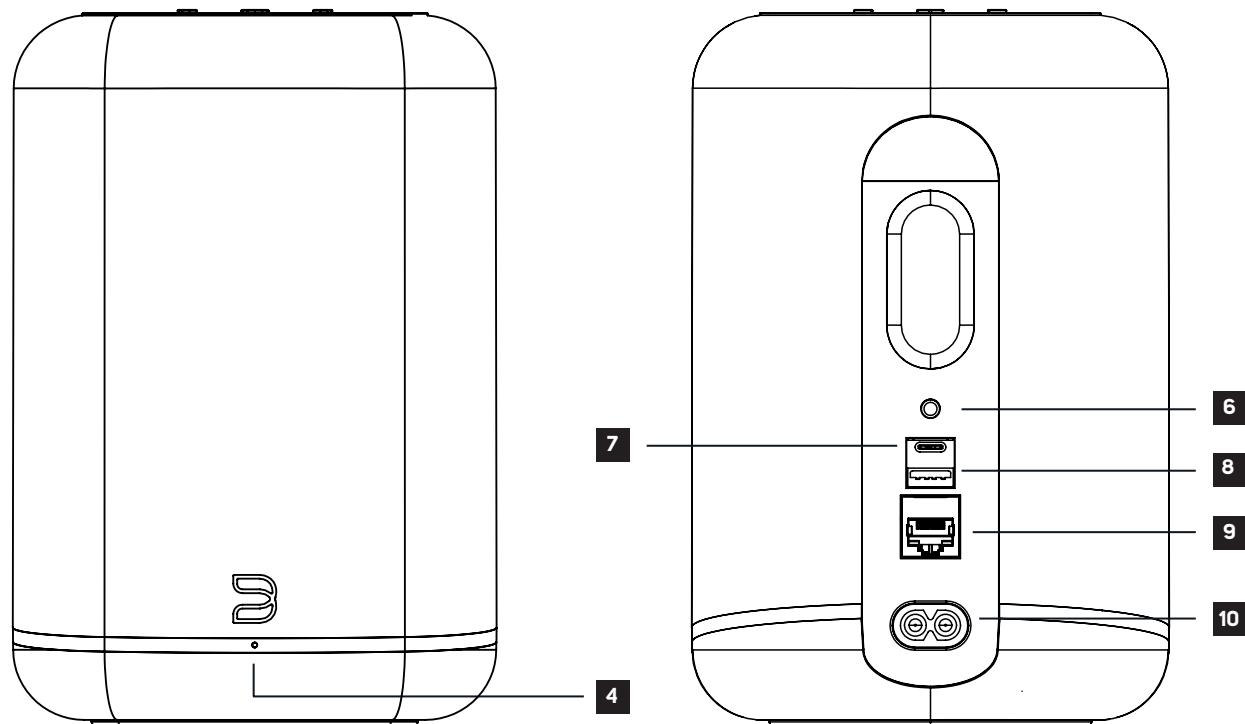
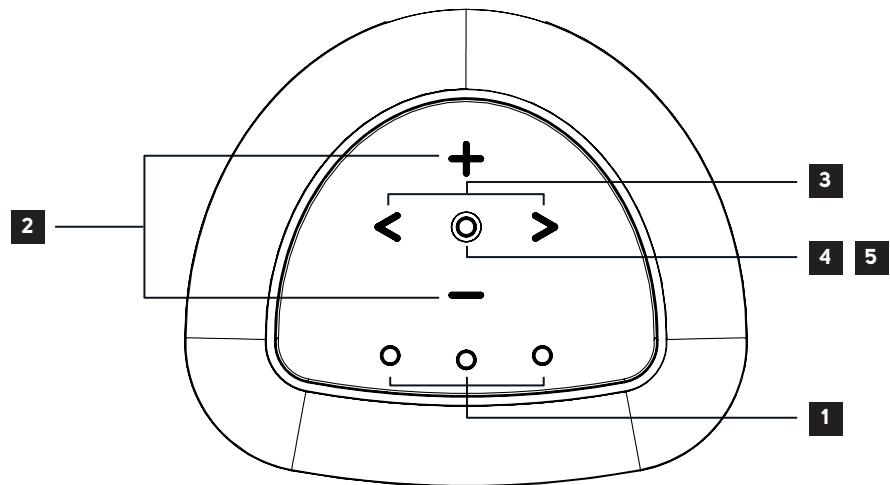
120V AC Power Cord



Mini Jack to Toslink Adapter



230V AC Power Cord



1 PRESETS The PULSE FLEX has 3 programmable preset buttons. These are configured using the Presets menu in the BluOS Controller App.

2 VOLUME +/- Press the + button to increase the volume level; press the – button to decrease volume level.

3 PREVIOUS TRACK/NEXT TRACK These buttons can be used to go back to the previous track or skip to the next track in your current play queue.

4 STATUS INDICATOR Below is a table of the LED blink codes and their corresponding descriptions

LED BLINK CODE	DESCRIPTION
Short blue flash, then red	Powering up, rebooting the unit
Solid green	Hotspot Mode
Flashing green	Connecting to Network
White pulse	Software update available
Solid red	Upgrade Mode
Alternate flashing red and green	Upgrading
Flashing blue	Mute Mode
Solid white	Indexing
Solid blue	Connected to Network - ready to use with BluOS App
Flashing red	Factory Reset in process
Solid Purple	Hotspot Mode timed out

5 PLAY/PAUSE BUTTON This button has multiple functions – a visual indicator of network connectivity and a PLAY/PAUSE button. For a listing of LED Blink Codes, please see #4. For an ungrouped Player, press the button to Play or Pause the stream. If listening to an internet radio stream, the Pause- function will work for 30 seconds. At this point, the buffer is full, and the stream will Stop. When a Player is grouped, pressing the PLAY/PAUSE button will Mute the Player while other Players continue the stream. The Player's LED will flash blue when muted. This button is also used for Factory Reset functions. See steps for Factory Reset later in the manual.

6 OPTICAL IN/ANALOG IN Using a 3.5mm Stereo Audio Cable (not provided), connect one end to the OPTICAL IN/ANALOG IN of the PULSE FLEX and the other end to the corresponding analog output of other compatible devices. The source will show as an Analog Input in the BluOS App. Using the 3.5mm Mini Jack to Toslink adaptor (included with the PULSE FLEX), a digital optical source can also be added. This will appear as Optical Input in the BluOS App.

7 USB INPUT (TYPE C) Connect a PC or Mac to the USB C input, to start streaming audio content from the computer. You may need to select PULSE FLEX from the audio settings menu on your computer.

8 USB INPUT (TYPE A) Connect a USB mass storage device to the USB input. Typical USB mass storage devices compatible with the PULSE FLEX include portable flash memory devices and external hard drives (FAT32 or NTFS formatted). [Read about Server Mode in Settings]

9 LAN PORT The LAN PORT connection can be used with an Ethernet cable (not provided). This is an optional connection since the PULSE FLEX can be connected to the network through a Wi-Fi connection to your router. To setup the PULSE FLEX using the LAN Port, a Wired Ethernet connection is required. Connect one end of the Ethernet cable to the LAN port of your wired Ethernet Broadband router or switch and the other end to the PULSE FLEX's LAN port.

10 AC MAINS INPUT The PULSE FLEX comes supplied with two separate AC power cords. Select the AC power cord appropriate for your region. Before connecting the plug to the wall outlet, connect firmly the other end of the AC power cord to PULSE FLEX's AC Mains input socket. Never force the plug into a wall outlet. An adapter may be necessary in certain regions. Always disconnect the plug from the wall outlet first, before disconnecting the cable from the PULSE FLEX's AC Mains input socket.

NETWORK

The PULSE FLEX is a network audio player and relies on a well-implemented local area network to operate correctly. Internet access is required for software updates and to use many of the player's features, like cloud-based music streaming. [Learn more](#)

Once the PULSE FLEX is connected to your equipment and AC power, you need to add it to your network. Watch for the Status LED to turn Solid Green, indicating it is ready for network connection in 'Hotspot' mode. You can add your Player to the network via wired Ethernet, or wirelessly via Wi-Fi. If using Ethernet, simply plug in an Ethernet cable to the PULSE FLEX's LAN Port. The LED will turn Solid Blue, indicating network connection. If using Wi-Fi, open the BluOS Controller App on a phone or tablet, and use the 'Add A Player' wizard to guide you through the steps. Whether connecting via Ethernet or Wi-Fi, you must finalize setup by initializing your PULSE FLEX within the BluOS App.

PLACEMENT

The PULSE FLEX is designed to give you options and flexibility when positioning within your home.

WALL MOUNT. For wall mount installation, the PULSE FLEX is compatible with the Bluesound WM100 wall bracket (sold separately). Follow the mounting instructions included with the WM100 to secure your PULSE FLEX to the wall.

TABLETOP. For tabletop installation, place the PULSE FLEX standing upright on its rubber foot. Note that where you place the speaker in a room will affect how you hear the sound. You can adjust tone controls and EQ of the PULSE FLEX in the BluOS App for different room placements.

STAND MOUNT. The PULSE FLEX can be mounted using the Bluesound FS230 stand mount (sold separately). Follow the installation instructions included with the FS230, being sure to use the specific PULSE FLEX (P130) bracket that comes with the FS230 stand mount.

PRESETS

You can set presets for your favorite radio stations, music streams or playlists using the BluOS Controller app. Presets can be recalled from the three preset buttons on the PULSE FLEX or from an IR Remote, including the Bluesound RC1 remote (sold separately). [Learn more](#)

Audio Settings

FRONT ROW Enable to adjust the sound profile of your Player, using a blend of digital-signal processing and equalization methods. The resulting audio experience shares several traits with the equalization principle of loudness compensation.

TONE CONTROLS Enable to adjust your Player's Treble and Bass output levels.

Note: When enabled, the total volume of your Player is reduced by 6dB to allow adjustment of the bass and treble outputs from -6dB to 6dB.

REPLAY GAIN Select any of the following to configure consistent volume levels between tracks in the play queue:

- **Track gain** – Use the track gain value from the song's metadata to make the current track's volume consistent with other tracks.
- **Album gain** – Use the album gain value from the metadata to maintain consistent volume level across all audio tracks in a particular album.
- **Smart gain** – Enable BluOS to automatically select the optimal option between track gain and album gain values to deliver the best replay gain for your current listening experience.

Note: BluOS uses the metadata of the selected audio track to configure consistent volume levels between tracks.

OUTPUT MODE Select any of the following to configure the channel output on the Player:

- **Left/Right** – Outputs only the Left or only the Right channel.
- **Mono** – Outputs single-channel (mono) audio.

VOLUME LIMITS (dB) Set the upper and lower limit of volume controls in the BluOS Controller App. Modifying the upper or lower volume limits of the BluOS Player allows more fidelity when adjusting the volume.

Settings

IR REMOTE Setup an IR Remote, either by teaching your Bluesound Player to work with one of your old remotes or by using the [Bluesound RC1 remote](#) which works out-of-box.

- **BluOS Remote:** Enable/Disable the [Bluesound RC1 Remote](#) if you have multiple Bluesound Players in the same room, and only want the remote to control one of them. If you have multiple remotes, you can change the IR Channel for each Player. [Learn more](#)
- **IR Learning:** Program your own remote to work with your Bluesound Player. [Learn more](#)

INDICATOR LIGHT Adjust the brightness of the Status Indicator on your Bluesound Player

- **Normal** – Default brightness
- **Dim** – Lower the brightness
- **Off** – Turns off Status Indicator

AMPLIFIER STANDBY By default is enabled to ensure the Player goes into power-saving mode after 15 minutes. Disable if you want to bypass the 15-minute standby function for the amplifier.

Note: Energy consumption will be higher with Amplifier Standby disabled.

CUSTOMIZE SOURCES Most inputs can be adjusted from this menu. It is possible to change the name and icon of the individual input.

Bluetooth: Settings for Bluetooth visibility and functionality.

- **Manual** – This mode allows you to manually switch between Bluetooth as a local source in the Inputs section of the Music Tab.
- **Automatic** – (Default mode) This mode automatically switches to the Bluetooth source when a Bluetooth-connected device starts playing audio.
- **Guest** – This mode switches the Bluesound player to the Bluetooth source when your connected Bluetooth device starts playing audio. However, switching sources disconnects the Bluetooth connection. The Bluetooth source is not displayed under the Inputs section of the Music tab. This configuration is ideal for streaming audio from multiple Bluetooth-enabled devices.
- **Disabled** – This mode turns off the Bluetooth receiver on the player.

Analog Input/Optical Input/USB C

- **Name** - Change the name of the input.
- **Icon** - Change the icon of the input.
- **A/V mode** – Enable A/V mode when using the Player with real-time audio sources such as a TV signal. Disable it when using audio-only sources like a turntable or CD player to prioritize quality over speed.
- **Lip-sync delay** – Incorporate a maximum of 150 milliseconds of audio delay to compensate for potential delays in the audio signal reaching the Player.

SERVER MODE To make your USB library accessible in the BluOS Controller app, plug the USB drive (in NTFS or FAT32 file format) into the USB port at the back of the BluOS Player and follow the onscreen prompts on the BluOS Controller app.

- **[Yes] Server Mode enabled** - USB drive is shared with other players on the network from the local Library.
- **[No] Server Mode disabled** - USB drive access is restricted to the USB-connected Player.

Note: After the connection, the player's Status Indicator LED turns white, indicating that it is indexing the connected library. Depending on the size of your music library, the indexing process may take some time to complete. The indexing process is complete when the Status Indicator LED returns to solid Blue. [Learn more](#)

WARNING!

THIS IS A FACTORY RESET OF YOUR PLAYER. ALL CUSTOMIZATION INCLUDING WI-FI NETWORK CONFIGURATION, FILE SHARES AND SAVED PLAYLISTS WILL BE LOST. YOU WILL HAVE TO RE-CREATE THESE ONCE COMPLETE. THIS PROCESS IS ONLY RECOMMENDED IF YOUR PLAYER IS NOT FUNCTIONING AND AN INTERNET FIRMWARE UPGRADE HAS FAILED. FOR ANY QUESTIONS OR CONCERNS, CONTACT AN AUTHORISED BLUESOUND CUSTOMER REPRESENTATIVE BEFORE PROCEEDING!

Steps to Factory Reset:

1. Disconnect the PULSE FLEX from electrical power.
2. Wait 30 seconds
3. Reconnect the power
4. Once the LED turns Red, press and hold the PLAY/PAUSE button. The LED will immediately turn Green and then back to Red - continue to hold the button for 30 seconds
5. After 30 seconds, the LED will begin to blink red – then release the button
6. All customization to the PULSE FLEX will be removed and restored to factory settings

IMPORTANT: Removing your finger from the PLAY/PAUSE button at any time before the LED begins flashing red will cancel the factory reset and leave the player in Upgrade Mode. Just start the steps again to factory reset the PULSE FLEX.

You will know the factory reset is successful if the PULSE FLEX returns to Hotspot mode (wireless connection - the LED will turn solid green). If it is connected to your network through a wired Ethernet connection, it will simply connect as if it was a new player (LED will turn solid blue).

BLUESOUND®

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