

## BSP500 NETWORK STREAMING SPEAKER

BLUESOUND  
PROFESSIONAL



The Bluesound Professional BSP500 is a network active loudspeaker with integrated streaming capability designed specifically for use in either indoor or outdoor commercial installations. This unit is powered by Power over Ethernet (PoE) allowing a one-wire connection to the speaker for both power and audio. The player in the BSP500 is based on the established BluOS platform and is capable of playing and distributing content from local network storage as well as from a large number of streaming services, including some specifically designed for commercial use, such as QSIC, Custom Channels, SoundMachine and internet radio stations. As well as stand-alone use, it is possible to use a pair of BSP500 speakers in stereo configuration and multiple BSP500's in a room in either mono or stereo configurations. Use of the BSP500 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BSP500 units and/or any other connected Bluesound Professional players, amplified players or network speakers on the network in an installation.

The loudspeaker features a 5.25" LF driver and a 1" HF driver powered by a high efficiency amplifier including a low power standby mode. The frequency response of the speaker is 63Hz-23kHz and the THD+N of the system is 0.095% at full rated power. Access to content and power is via wired ethernet for glitch-free streaming. High efficiency electronics and drive units provide a maximum SPL of 100dB (using PoE++).

Control of the speaker can be accomplished by any Windows/Mac computer as well as any iOS/Android phone or tablets and the Bluesound Professional CP100 wall mount controller. Third party control is also possible with any of the leading systems. Security provisions prevent any un-authorized control of the system.

An integral bracket allows for wall mounting with 90 degrees of swivel and 170 degrees of rotation possible. IP65 rating allows for either indoor or outdoor use.

## FEATURES

- Full-range network streaming speaker system
- 5.25" LF driver and 1" HF driver
- Power over Ethernet (PoE+, PoE++) powering to allow single wired connection for both power and signal
- Indoor or outdoor use (IP65 rating)
- 63Hz-23kHz frequency range
- 0.095% THD+N at full rated power
- Maximum SPL of 100dB (PoE++)
- 2 or more BSP500's can pair in stereo or multiple mono configuration
- Flexible and unlimited grouping of zones within a BluOS system
- Integration with local network content storage
- Integration with many streaming services including Spotify, Tidal, Qobuz etc.
- Integration with a wide variety of internet radio platforms
- PC/Mac, iOS/Android and third-party control
- Security preventing unauthorized control
- Specialist Bluesound Professional control panels
- Support of Hi-Res audio up to 192kHz/24 bit
- Support of MQA content
- Streaming via ethernet for increased reliability
- Wall mounting with integral bracket

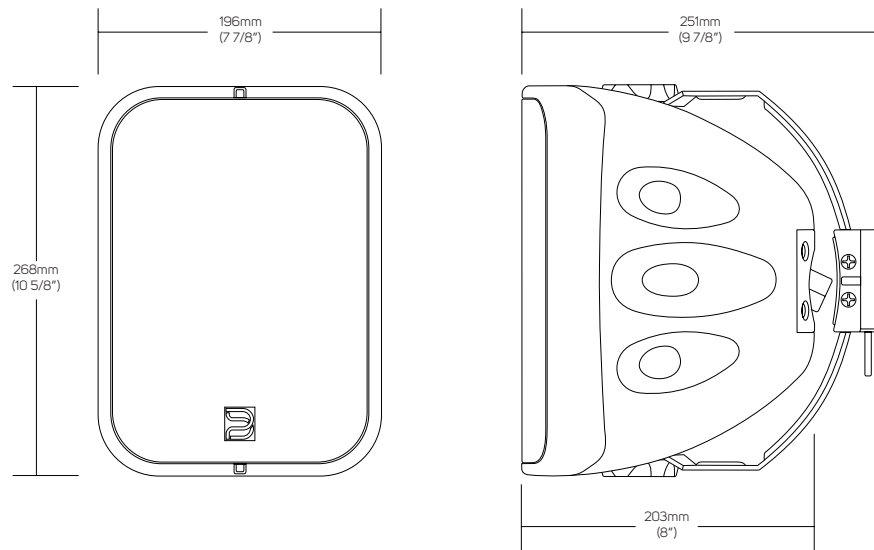
## ARCHITECTS & ENGINEERS SPECIFICATION

The network streaming speaker shall allow for the playing of material from network attached drives and a wide variety of streaming services including Spotify, Tidal, Qobuz, SoundMachine, QSIC and Custom Channels as well as internet radio platforms such as TuneIn and iHeart Radio. The network speaker shall support files up to 192kHz and 24-bit resolution as well as MQA encoded files. Control of the unit shall be possible from PC or Mac computers, Android and iOS mobile devices and third-party control systems. In addition, there shall be the provision for the connection of dedicated wall mount remote control panels to allow for local control of zones. The network speaker shall be based on the BluOS platform and shall be compatible with other BluOS devices to form a complete and integrated ecosystem including flexible grouping and control of zones. Networked speakers shall also be able to be paired in stereo or multiple mono combinations.

The network streaming speaker shall have a 5.25" woofer and 1" tweeter. The power amplifier shall be a high efficiency unit with a maximum SPL of 100dB (using PoE++). Streaming shall be via wired ethernet for increased reliability. The unit shall have no controls to prevent unauthorized adjustment and control of the unit shall incorporate security to prevent unauthorized access via other devices.

Wall mounting of the network speaker shall also be possible with integral bracket, allowing for 90° swivel and 170° rotation of the speaker.

The network streaming speaker shall be the Bluesound Professional BSP500.



## SPECIFICATIONS

## CONNECTIVITY

<b>AUDIO</b>			
<b>Supported File Formats</b>	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS	<b>Network</b>	Gigabit Ethernet RJ45
<b>Hi-Res formats</b>	FLAC, MQA, WAV, AIFF	<b>USB</b>	1 x Type-A port for connection to USB memory sticks (Fat32 or NTFS formatted) and supported peripherals 1 x Type-B (mini) for product servicing
<b>Native Sampling Rates</b>	32 - 192kHz	<b>Power</b>	PoE+ IEEE 802.3at Type 2 (30W) PoE++ IEEE 802.3bt Type 3 (60W)
<b>Bit Depths</b>	16 - 24	<b>USER INTERFACE</b>	
<b>PERFORMANCE</b>		<b>Mobile Operating System</b>	BluOS - Free Android and iOS App Available Online at Google Play and Apple App Store
<b>Frequency Response</b>	63Hz-23kHz	<b>GENERAL</b>	
<b>Distortion</b>	THD+N - 0.095% (20hz-20khz at Rated Power)	<b>Processor</b>	ARM® CORTEX™ A9, 1GHz
<b>Power Output</b>	20 Watts @ 30 Watts PoE 40 Watts @ 60 Watts PoE	<b>Unit Weight</b>	3.2kg / 7.06 lbs
<b>Speakers</b>	1 x 133mm (5.25"), Woofer 1 x 25mm (1"), Tweeter	<b>Gross Dimensions</b>	196 x 268 x 251mm / 7 7/8" x 10 5/8 x 9 7/8 inches
<b>Supported Operating Systems</b>	Plays music from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista 7-10, Apple Macintosh 7-10	<b>Power Consumption (Idle)</b>	3.3 Watts
<b>Free Internet Radio</b>	TuneIn Radio, iHeartRadio, Calm Radio, Radio Paradise, LiveXLive	<b>Storage Environment</b>	-10° C to 50° C, 20% to 80% relative humidity
<b>Supported Cloud Services</b>	Spotify, Amazon Music, TIDAL, Deezer, Qobuz, HighResAudio, Napster, KKBox, Bugs, Custom Channels, SoundMachine, QSIC	<b>Operating Environment Indoor/Outdoor</b>	0° to 40° C IP65 rating
<b>Integration Partners</b>	Control4, RTI, Crestron, URC, push, iPort, ELAN, Lutron	<b>Finish</b>	Available in white or black matte
<b>Album Art</b>	JPG		