BSP200
NETWORK STREAMING SPEAKER

BLUESOUND
P R O F E S S I O N A L

The Bluesound Professional BSP200 is a PoE+ powered network active loudspeaker with integrated streaming capability designed specifically for use in commercial installations. The player in the BSP200 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 SoundMachine, Custom Channels, QSIC and SiriusXM Music for Business. As well as stand-alone use, it is possible to use a pair of BSP200 speakers in stereo configuration. Use of the BSP200 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BSP200 units and/or any other connected Bluesound Professional players on the network in an installation.

The loudspeaker features a 3.5" LF driver and a 1" HF driver powered by a 23W high efficiency amplifier including a low power standby mode. The frequency response of the speaker is 45Hz-20kHz and the THD+N of the system is 0.003% at full rated power. Built-in DSP allows for equalization as well as other audio processing. Access to content is via ethernet for glitch-free streaming. A USB input further adds to the capability of the system by providing replay of files stored on connected drives. High efficiency electronics and drive units provide a maximum SPL of 102dB (using PoE+).

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

An optional bracket allows for wall mounting with 40 degrees of swivel and 360 degrees of rotation possible. The PoE power supply makes this player easy to install in minutes with one Ethernet cable and eliminates the cost of providing an AC mains receptacle typical for all powered speakers.

FEATURES

- Full-range network streaming speaker system
- 3.5" LF driver and 1" HF driver
- 45Hz – 20kHz frequency range
- 0.003% THD+N at full rated power
- Maximum SPL of 102db (PoE+)
- DSP providing equalization and other audio processing
- 2 x BSP200's can pair in stereo configuration
- Flexible and unlimited grouping of zones within a BluOS system
- Integration with local network content storage
- Integration with many streaming services including Custom Channels, SoundMachine, Qsic, SiriusXM Music for Business, Spotify, Tidal and Qobuz

- 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
- Steaming via ethernet for increased reliability with PoE+ providing one-wire connectivity and power
- USB input for replay from local connected drives
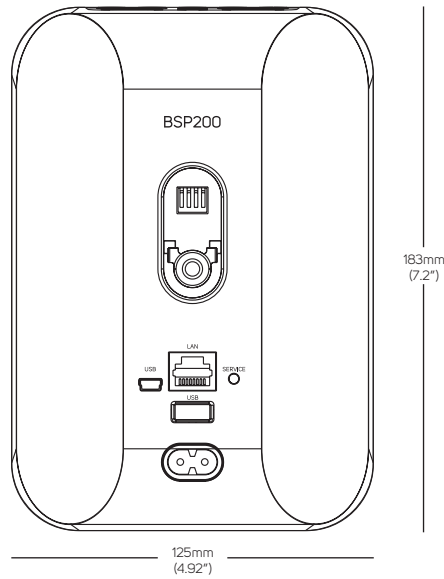- Wall mounting with accessory bracket (WM125)

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 Custom Channels, SoundMachine, Qsic, SiriusXM Music for Business, Spotify, Tidal and Qobuz 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 combinations.

The network streaming speaker shall have a 3.5" woofer and 1" tweeter. The power amplifier shall be a high efficiency 23W unit with a maximum SPL of 102dB (using PoE+), built-in DSP for equalization and other audio processing. Streaming shall be via wired ethernet for increased reliability. A USB input shall provide replay of files stored on connected drives. 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. The power for this player shall be provided via PoE+.

Wall mounting of the network speaker shall also be possible with optional bracket, allowing for 40° swivel and 360° rotation of the speaker.

The network streaming speaker shall be the Bluesound Professional BSP200.

BSP200

183mm
(7.2")

125mm
(4.92")

SPECIFICATIONS

AUDIO	
Supported File Formats	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS
Hi-Res formats	FLAC, MQA, WAV, AIFF
Native Sampling Rates	32 - 192kHz
Bit Depths	16 - 24
PERFORMANCE	
Frequency Response	-10db 45Hz-20kHz
Distortion	THD+N - 0.030% (20hz-20khz at Rated Power)
Power Output	23 Watts total system power at 0.030% THD
Speakers	1 x 89mm (3.5"), Woofer 1 x 25mm (1"), Tweeter
Supported Operating Systems	Plays music from network shares on the following desktop operating systems: Microsoft Windows 2000 and newer and Apple Macintosh 7 and newer.
Free Internet Radio	TuneIn Radio, iHeartRadio, Calm Radio, Radio Paradise, LiveXLive
Supported Cloud Services	Custom Channels, QSIC, SoundMachine, SiriusXM Music for Business, Spotify, Amazon Music, TIDAL, Deezer , Qobuz, HighResAudio, Napster, KKBox, Bugs
Integration Partners	Control4, RTI, Crestron, URC, push, iPort, ELAN, Lutron
Album Art	JPG

CONNECTIVITY

CONNECTIVITY	
Network	Gigabit Ethernet RJ45
USB	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
Power	PoE+ IEEE 802.3 at Type 2(30W)
USER INTERFACE	
Mobile Operating System	BluOS - Free Android and iOS App Available Online at Google Play and Apple App Store
GENERAL	
Processor	ARM® CORTEX™ A9, 1 GHz
Unit Weight	1.23kg / 2.7lb
Gross Dimensions	125 x 183 x 100mm 4.92 x 7.2 x3.9"
Power Consumption (Idle)	14 Watts
Storage Environment	-10° C to 50° C, 20% to 80% relative humidity
Operating Environment	0° to 40° C
Finish	Available in white or black matte