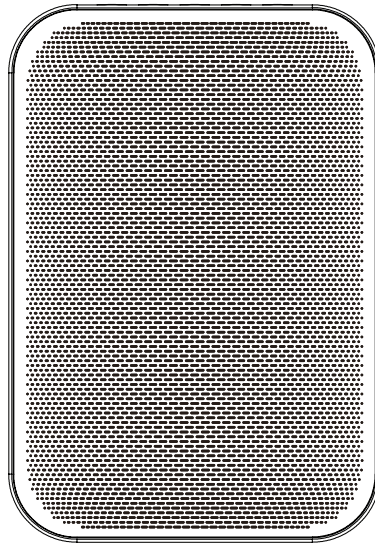


Preliminary Data Sheet
BSP125
NETWORK STREAMING SPEAKER



The Bluesound Professional BSP125 is a network active loudspeaker with integrated streaming capability designed specifically for use in commercial installations. The player in the BSP125 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. As well as stand-alone use, it is possible to use a pair of BSP125 speakers in stereo configuration. Use of the BSP125 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BSP125 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 25W 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 (with WiFi streaming also supported) and a local analog and digital input allows for replay from local sources. A USB input further adds to the capability of the system by providing replay of files stored on connected drives.

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 CP100W 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.

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
- DSP providing equalization and other audio processing
- 2 x BSP125'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 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 (wireless streaming also supported)
- Local analog and digital line inputs
- USB input for replay from local connected drives
- Wall mounting with accessory bracket

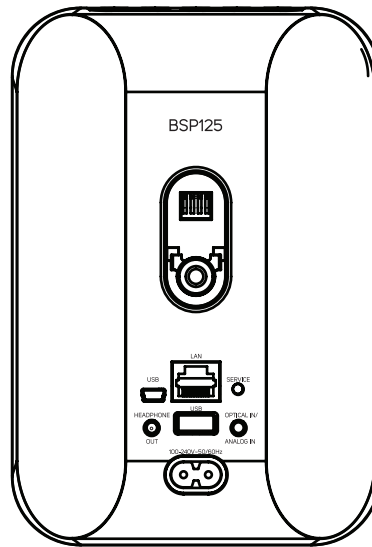
ARCHITECTS & ENGINEERS SPECIFICATION

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 and SoundMachine 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 25W unit with built-in DSP for equalization and other audio processing. Streaming shall be via wired ethernet for increased reliability (with wireless streaming also supported when required). Wireless streaming shall also be possible using Airplay 2 from iOS devices. A local analog and digital line level input shall also be provided. 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.

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 BSP125.



SPECIFICATIONS

CONNECTIVITY

AUDIO		NETWORK	Gigabit Ethernet RJ45 Wi-Fi 5 (802.11ac, dual-band)
SUPPORTED FILE FORMATS	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS	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
HI-RES FORMATS	FLAC, MQA, WAV, AIFF	AUDIO INPUT	Combo - Toslink/3.5mm
NATIVE SAMPLING RATES	32 - 192kHz	POWER	Universal bi-pin AC Cord input (100 - 240AC)
BIT DEPTHS	16 - 24	USER INTERFACE	
PERFORMANCE		MOBILE OPERATING SYSTEM	BluOS - Free Android and iOS App Available Online at Google Play and Apple App Store
FREQUENCY RESPONSE	-10db 45Hz-20kHz	GENERAL	
DISTORTION	THD+N - 0.030% (20hz-20khz at Rated Power)	PROCESSOR	ARM® CORTEX™ A9, 1 GHz
POWER OUTPUT	25 Watts total system power at 0.030% THD	UNIT WEIGHT	1.23kg / 2.7lb
SPEAKERS	1 x 3.5" (89mm), Woofer 1 x 1" (25mm), Tweeter	GROSS DIMENSIONS	125 x 183 x 100
SUPPORTED OPERATING SYSTEMS	Plays music from network shares on the following desktop operating systems: Microsoft Windows XP, 2000, Vista 7-10, Apple Macintosh 7-10	POWER CONSUMPTION (IDLE)	14 Watts
FREE INTERNET RADIO	TuneIn Radio, iHeartRadio, Calm Radio, Radio Paradise, Slacker Radio	STORAGE ENVIRONMENT	-10° C to 50° C, 20% to 80% relative humidity
SUPPORTED CLOUD SERVICES	Spotify, Amazon Music, TIDAL, Deezer, Qobuz, HighResAudio, Murfie, Napster, KKBox, Bugs, Taihe Music ZONE, SoundMachine	OPERATING ENVIRONMENT	0° to 40° C
INTEGRATION PARTNERS	Control4, RTI, Crestron, URC, push, iPort, ELAN, Lutron, roon, Amazon Alexa Skills*	FINISH	Available in white or black matte
ALBUM ART	JPG		