BCS300
CEILING NETWORK STREAMING SPEAKER



The Bluesound Professional BCS300 PoE+ powered network active loudspeaker with integrated streaming capability is designed specifically for use in commercial installations. With built-in streaming and amplification, it efficiently delivers audio to its desired destination in a discreet and simplified manner. The player in the BCS300 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 BCS300 speakers in stereo configuration. Use of the BCS300 in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other BCS300 units and/or any other connected Bluesound Professional players on the network in an installation.

The BCS300 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 to 20kHz and the THD+N of the system is 0.003% at full rated power. 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.

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 BCS300'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
- Streaming via ethernet for increased reliability with PoE+ providing one-wire connectivity and power
- UL2043
- White magnetic grille included and optional black grille available
- Available in Black with White Grille
- Optional BCS Pendant Kit available in Black or White

ARCHITECTS & ENGINEERS SPECIFICATION

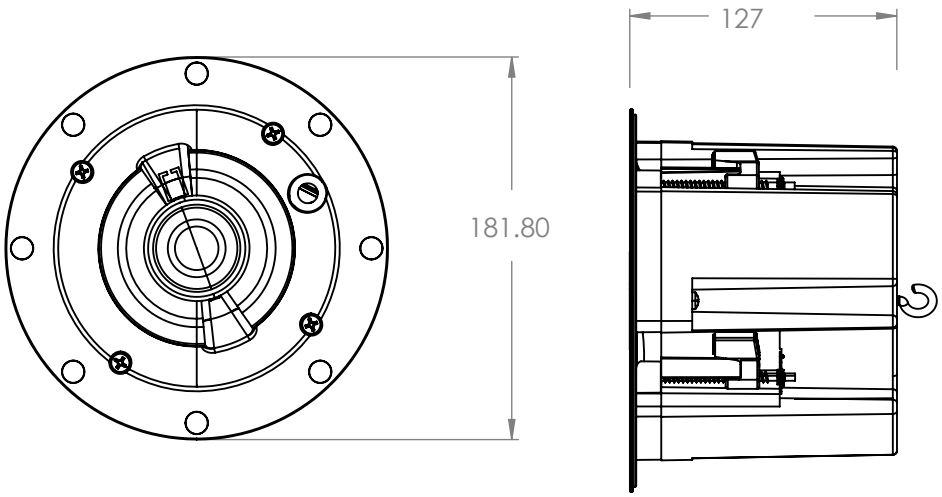
The network streaming speaker shall allow for the playing of material from network attached drives and a wide variety of streaming services including Custom Channels, SoundMachine, Qsic, SiriusXM Music for Business, Spotify, Tidal and Qobuz as well as internet radio platforms such as TuneIn and iHeart 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.

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+.

The speaker shall be held in place with support dogs, and use a 152mm (6 ") cut out.
Unit must be able to be transformed into a pendant format via accessory kit.

The network streaming speaker shall be the Bluesound Professional BCS300.



SPECIFICATIONS

AUDIO	
Supported File Formats	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS
Hi-Res formats	FLAC, MOA, 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	1x 89mm (3.5"), Woofer
Supported Operating Systems	1x 25mm (1"), Tweeter 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	SoundMachine, Tunify, Custom Channels, SiriusXM for Business, Spotify, Tidal, Amazon, Deezer, Qobuz, TuneIn, Radio.com and many others
Integration Partners	Control4, RTI, Crestron, URC, QSYS, push, ELAN, Lutron
Album Art	JPG

CONNECTIVITY

Network	Ethernet RJ45, 100BaseT
Power	PoE+ IEEE 802.3 at Type 2-30W
User Interface	USER INTERFACE
Mobile Operating System	BluOS-Free Android and IOS App Available Online at Google Play and Apple App Store
GENERAL	
Processor	ARM® CORTEX™ A53 1.8GHz
Unit Weight	1.23kg/2.7lb
Gross Dimensions	182mm (7.1") DIA x 126mm(4.9") H 152 mm (6") cut out required
Cutout Dimension	152mm (6 inch) diameter
(Idle) Storage	-10°C to 50° C, 20% to 80% relative humidity
Environment Finish	Available in Black with White Grille
Safety	UL2043

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