B100S
BluOS NETWORK MUSIC PLAYER

BLUESOUND PROFESSIONAL



The Bluesound Professional B100S is a 1/3 rack space network music player designed specifically for use in commercial installations. This player 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. Use of the B100S in a larger BluOS system is also possible, allowing for grouping into user-definable groups of whatever size is required with other B100S units and/or any other connected Bluesound Professional players on the network in an installation.

Output is via balanced line level analog or optical digital connections plus a dedicated balanced line level subwoofer output. Balanced analog mic/line (with phantom powering) allows for the connection of a local source. Access to network control is via ethernet for increased reliability. All audio connections are via pluggable barrier strip for ease of installation. A USB input further adds to the capability of the system by providing replay of files stored on connected drives. Inbuilt DSP allows for equalization as well as other audio processing.

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 including no user-accessible controls on the player prevent any authorized control of the system, either locally or remotely. Optional rack mounting hardware allows for the mounting of up to 3 x B100S units in one rack space.

FEATURES

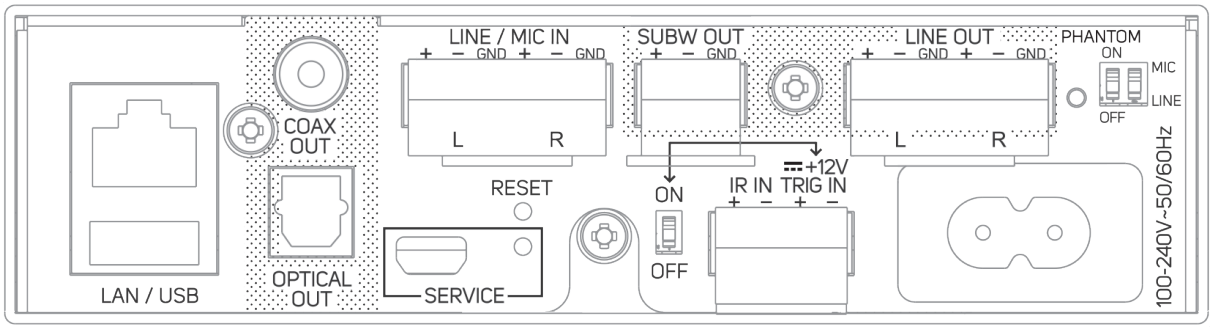
- Stereo network music replay
- Integration with local network content storage
- Integration with many streaming services including Spotify, Tidal, Qobuz etc.
- Integration with a wide variety of internet radio platforms
- PC/Mac, iOS/Android and third-party control
- Security preventing unauthorized control
- Specialist Bluesound Professional wall-mount control panels
- Flexible and unlimited grouping of zones within a BluOS system
- Support of hi-res audio up to 192kHz/24 bit
- Support of MQA content
- DSP providing equalization and other audio processing
- Streaming via ethernet for increased reliability
- Balanced line analog and digital outputs
- Dedicated balanced line level subwoofer output
- Local balanced mic/line analog input
- All connections via pluggable barrier strip for ease of installation
- Phantom powering for local mic input
- 1/3 rack space form factor for commercial installations
- Optional rack mounting hardware allows for the mounting of up to 3 x B100S units in one rack space

ARCHITECTS & ENGINEERS SPECIFICATION

The 1/3 rack space network music player 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 music player 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 music player 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.

The network music player shall have balanced line analog as well as a dedicated subwoofer balanced line-level output. Streaming shall be via wired ethernet for increased reliability. A stereo balanced mic/line analog input shall also be provided for connection to a local source with phantom powering for locally attached mic. All audio connections shall be via pluggable barrier strip for ease of installation. A USB input shall allow for the reply of content from locally 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. Optional rack mounting hardware shall allow for the mounting of up to 3 x network music players in one rack space.

The network music player shall be the Bluesound Professional B100S.



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	SNR - 110dBA Distortion, THD+N - 0.005% (20hz-20khz at Rated Power)
DAC	32-Bit, 192kHz
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
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, push, ELAN, Lutron
Album Art	JPG

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
Audio Input	Mic/Line Balanced Phoenix
Audio Output	Analog: Balanced Phoenix Coaxial RCA TOSLINK digital optical Subwoofer Balanced 12 Volt trigger out
Power	Universal bi-pin AC Cord input (100 - 240AC)

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	1.12 kg / 2.45 lb
Gross Dimensions	238 x 46 x 146mm 8.7 x 1.8 x 5.7 in
Power Consumption (Idle)	6 Watts
Accessories	2x AC power cords (Europe & North America)
Storage Environment	-10° C to 50° C, 20% to 80% relative humidity
Operating Environment	0° C to 40° C

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