B400S
4 ZONE BluOS® NETWORK MUSIC PLAYER

BLUESOUND
PROFESSIONAL

The Bluesound Professional B400S is a 4-zone network music player designed specifically for use in commercial installations. This 1U player is based on the established BluOS platform and is capable of playing and distributing content from local storage as well as from a large number of streaming services, including some specifically designed for commercial use, such as SoundMachine. These sources can be played to one or more of the four available stereo zones with the B400S effectively acting as four independent players with the capability of completely separate content and control, or grouping into user-definable groups of whatever size required with different zones within the BS400S and/or any other connected Bluesound Professional players on the network.

Control of the system 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 including no front panel controls on the player prevent any unauthorized control of the system, either locally or remotely.

Balanced line channel outputs are designed specifically for commercial installations and these are supplemented by optical and coaxial digital outputs per channel. Analog balanced mic/line and digital inputs allow for the connection of a local stereo source. A USB input further adds to the capability of the system by providing replay of files stored on connected drives. Built-in DSP allows for equalization as well as other audio processing. Trigger inputs allow for local triggering of unit power and signal inputs allow for remote muting of the music.

BENEFITS

- 4 stereo zones of 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
- Support of hi-res audio up to 192kHz/24 bit

- Support of MQA content
- Replay from locally connected USB drives
- DSP providing for equalization and other audio processing
- Streaming via ethernet for increased reliability
- Flexible and unlimited grouping of zones within a BluOS system including within B400S
- Local analog mic/line and digital line inputs
- Analog balanced and digital optical and coaxial outputs
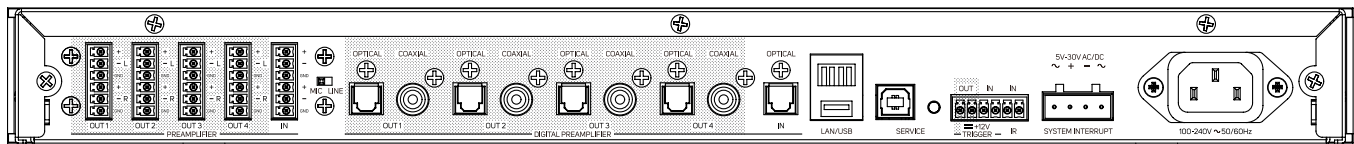- Remote trigger and signal inputs

ARCHITECTS & ENGINEERS SPECIFICATION

The network music player shall allow for the playing of material from network attached drives or a wide variety of streaming services including Spotify, Tidal, Qobuz and SoundMachine as well as internet radio platforms such as TuneIn and iHeart Radio.

Streaming shall be via wired ethernet for increased reliability. The player shall allow playing of separate or grouped sources to each of four separate stereo zones accessible via balanced barrier pluggable analog barrier strip outputs as well as optical or coaxial digital outputs per zone. The player shall support files up to 192kHz and 24-bit resolution as well as MQA encoded files. Control of the player 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. This 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.

Local balanced mic and line level analog and digital inputs shall also be provided to allow for the additional use of local sources. Trigger and signal inputs shall be provided. A USB input shall provide for replay of files stored on local connect- ed drives. Built-in DSP shall allow for equalization and other audio processing. The player shall be 1U with no front panel controls to prevent unauthorized adjustments and control of the unit shall incorporate security to prevent unauthorized access via other devices.
The network music player shall be the Bluesound Professional B400S.

SPECIFICATIONS

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, Slacker Radio
SUPPORTED CLOUD SERVICES	Spotify, Amazon Music, TIDAL, Deezer, Qobuz, HighResAudio, Murfie, Napster, KKBox, Bugs, Taihe Music ZONE, SoundMachine
ALBUM ART	JPG
AUDIO	
RATED DISTORTION	≤0.005% (20hz-20khz at Rated Power)
SIGNAL-TO-NOISE RATIO	100dB (ref. 1W/8 Ohms)
SAMPLE RATE	32 – 192kHz
BIT DEPTH	16 - 24

CONNECTIVITY

INPUT		OUTPUT	
ANALOG	Mic/Line Balanced Phoenix	ANALOG	Balanced Phoenix X 4
SPDIF	Optical (TOSLINK)	SPDIF	Optical x 4 (TOSLINK) Coaxial x 4
USB	Type A (for USB memory stick and supported peripherals – FAT 32 formatted)	**+12V TRIGGER OUT**	12V ±20%
		NETWORK	
	Type B (for computer audio interface)	ETHERNET/LAN	Ethernet RJ45, GigE
+12V TRIGGER IN	Phoenix 12V ±20%	**GENERAL**	
IR INPUT	Phoenix	AC POWER SUPPLY	100-240V 50/60Hz
SYSTEM INTERRUPT	Phoenix- Pin 1, 12V, Pin 2 Input 1, Pin 3 Input 2, Pin 4 GND	STANDBY POWER	6W Idle (Network Standby Mode)
		DIMENSIONS (W x H x D)	480 x 46 x 234mm (18 7/8 x 1 13/16 x 9 1/4")*
		NET WEIGHT	2.7kg (5.9lb)
		SHIPPING WEIGHT	3.8kg (8.4lb)