

B160S

NETWORKED STREAMING STEREO AMPLIFIER

BLUESOUND
PROFESSIONAL



The Bluesound Professional B160S networked streaming stereo amplifier is a complete solution for a commercial music installation. The B160S combines a high-quality stereo amplifier with a BluOS enabled network music player. The B160S's HybridDigital™ amplifier section provides 2 x 60W of power into 8Ω – plenty for most small/medium spaces and thermostatic fan cooling provides for reliable operation in commercial environments. The amplifier technology is highly energy efficient and also has a standby mode consuming only 6W of power.

The player within the B160S 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. As well as stand-alone use, it is possible to use the B160S in a larger BluOS system allowing for grouping into user-definable groups of whatever size is required with other B160S units and/or any other connected Bluesound Professional players on the network.

As well as the amplified outputs, a dedicated balanced line level subwoofer output is provided for connection to an active subwoofer. Access to network control is via ethernet for increased reliability. Balanced analog mic/line (with phantom powering) allows for the connection of a local 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.

Control of the system can be accomplished by any Windows/Mac computer as well as iOS/Android phones or tablets 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 prevent any unauthorized control of the system, either locally or remotely.

The form factor of the B160S allows it to be mounted individually vertically or horizontally on or under shelves or tables or on walls. Up to six B160S units can be mounted side-by-side in a 3U space in a rack using the optional RM160 rack mounting shelf for a compact 12-channel system with six independent or group zones.

FEATURES

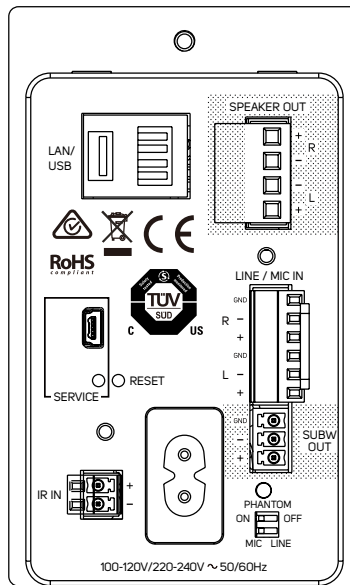
- A complete stereo solution for commercial installations
- Integration with local network content storage
- Integration with many streaming services including Spotify, Tidal, Qobuz etc.
- Integration with a wide variety of internet radio platforms
- PC/Mac, iOS/Android and third-party control
- Specialist Bluesound Professional control panels
- Security preventing unauthorized control
- Support of Hi-Res audio up to 192kHz/24 bit
- Support of MQA content
- Flexible and unlimited grouping of zones within a BluOS system
- Balanced line level subwoofer output
- Balanced mic/line analog input
- DSP providing equalization and other audio processing
- Streaming via ethernet for increased reliability
- USB input for replay from local connected drives
- 2 x 60W (8Ω) HybridDigital™ energy-efficient amplification
- 6W standby mode
- Flexible mounting options including mounting of 6 x BS160S in a 3U rack space using the optional RM160 rack mounting shelf

ARCHITECTS & ENGINEERS SPECIFICATION

The network streaming stereo amplifier 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. The network streaming stereo amplifier shall support files up to 192kHz and 24-bit resolution as well as MQA encoded files. Control of the network streaming stereo amplifier 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 network streaming stereo amplifier 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 power amplifier section of the network streaming stereo amplifier shall incorporate HybridDigital™ energy efficient amplification to provide 2 x 60W (8Ω) with a standby current of 6W or less. Built-in DSP shall allow for equalization and other audio processing. A local balanced line level analog subwoofer output will also be provided to allow for the additional connection of subwoofers as needed. There shall be a stereo balanced mic/line analog for the connection of a local stereo input. There shall also be a USB input to provide for replay of content from locally connected drives. Connection to network and streaming content shall be via ethernet for increased reliability. The unit shall have no front panel controls to prevent unauthorized adjustment and control of the unit shall incorporate security to prevent unauthorized access via other devices.

The network streaming stereo amplifier shall be the Bluesound Professional B160S.



SPECIFICATIONS

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| SUPPORTED FILE FORMATS | MP3, AAC, WMA, OGG Vorbis, WMA-L, FLAC, ALAC, WAV, AIFF, MQA, HRA | OUTPUT | |
| SUPPORTED CLOUD SERVICES | SoundMachine, Tunity, Custom Channels, SiriusXM for Business, Spotify, Tidal, Amazon, Deezer, Qobuz, TuneIn, Radio.com and many others | SUBWOOFER OUT | Balanced Phoenix |
| SUPPORTED OPERATING SYSTEMS | Microsoft Windows 7 SP1 or higher, Apple Macintosh OSX 10.7.5 or higher | SPEAKER OUT | Phoenix Speaker connection block |
| FREE INTERNET RADIO | TuneIn Radio, iHeartRadio, Calm Radio, Radio Paradise, LiveXLive | NETWORK | |
| INTEGRATION PARTNERS | Control4, RTI, Crestron, URC, push, ELAN, Lutron | ETHERNET/LAN | Ethernet RJ45, GigE |
| RATED POWER | 2 x 60W at 8 Ohms 2 x 100W at 4 Ohms | USER INTERFACE | FREE Android and iOS App available at GooglePlay and Apple App Store |
| RATED DISTORTION | ≤0.005% (20hz-20khz at Rated Power) | GENERAL SPECIFICATIONS | |
| SIGNAL-TO-NOISE RATIO | -110dBA (ref. 1W/8 Ohms) | AC POWER SUPPLY | 100-240V 50/60Hz |
| SAMPLE RATE | 32 - 192kHz | STANDBY POWER | 6W (Network Standby Mode) |
| BIT DEPTH | 16 - 24 | DIMENSIONS (W x H x D) | 70 x 120 x 350mm (2.81 x 4.75 x 13.81") |
| INPUT | | NET WEIGHT | 1.6kg (3.5lb) |
| ANALOG | Balanced Phoenix | SHIPPING WEIGHT | 2.3kg (5.1lb) |
| USB | Type A (for USB memory stick and supported peripherals - FAT32 formatted) Type B Mini USB (for servicing purposes only) | | |
| IR INPUT | 3.5mm Jack | | |