

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

[manuals.plus](#) /

› [Behringer](#) /

› [Behringer S16 16-input / 8-output Digital Stage Box \(S16d2\), Black User Manual](#)

Behringer S16

Behringer S16 16-input / 8-output Digital Stage Box (S16d2)

USER MANUAL

This manual provides essential information for the setup, operation, and maintenance of your Behringer S16 Digital Stage Box.

Product Overview

The Behringer S16 is a 16-input / 8-output digital stage box designed to provide high-quality audio routing and control for live sound and studio applications. It features Midas-designed mic preamps and AES50 networking capability for ultra-low latency and jitter.

Key Features:

- 16 Midas-designed, fully programmable mic preamps for audiophile sound quality.
- 8 analogue, servo-balanced XLR outputs.
- AES50 network ports featuring Klark Teknik's SuperMAC networking capability for ultra-low jitter and latency.
- Remote operation via shielded CAT5e cable up to 330 ft / 100 m length.
- Digital audio and control connectivity for Turbosound speaker systems with ULTRANET networking capability.



Figure 1: Front view of the Behringer S16 Digital Stage Box, showing 16 input XLRs, 8 output XLRs, and control panel.

Setup

Proper setup ensures optimal performance and reliable operation of your S16 stage box.

Power Connection:

- Connect the supplied power cord to the S16's power input and a suitable AC power outlet.
- Ensure the power switch is in the OFF position before connecting.

Audio Connections:

- **Inputs:** Connect microphones or line-level sources to the 16 XLR input jacks on the front panel.
- **Outputs:** Connect your mixing console, amplifiers, or other audio devices to the 8 XLR output jacks.

Network Connection (AES50):

- Use a shielded CAT5e cable to connect the S16's AES50 port to your compatible digital mixer (e.g., Behringer X32 series) or another AES50 device.
- The AES50 connection facilitates digital audio transfer and remote control of the S16's preamps.
- For optimal performance, ensure the cable length does not exceed 100 meters (330 feet).

ULTRANET Connection:

- The ULTRANET port allows for digital audio and control connectivity with compatible Turbosound speaker systems or Behringer P16 personal monitoring systems (P-16m, P16-I, P16-MB).

Operating Instructions

Understanding the controls and indicators on your S16 is crucial for effective operation.

Front Panel Controls:

- **GAIN:** Adjusts the input gain for each of the 16 Midas-designed mic preamps. This can also be controlled remotely from a connected digital mixer.
- **HA CONTROL:** Provides local control over the head amp settings.
- **CLIP Indicator:** Illuminates when the input signal is too high, indicating potential clipping. Reduce the gain if this light is consistently on.
- **MONITORING:** Allows for local monitoring of input and output signals via headphones.
- **PHONES:** Headphone output jack.
- **LEVEL:** Adjusts the headphone output level.
- **SELECT/ADJUST:** Used for navigating menus and adjusting parameters on the display.

Remote Operation:

The S16 is designed for seamless integration with Behringer X32 series digital mixers. Once connected via AES50, all 16 mic preamps can be remotely controlled from the mixer, including gain, phantom power, and other settings. This allows for convenient placement of the stage box near the performers while maintaining full control at the front-of-house position.

Maintenance

Regular care will extend the life and ensure the reliability of your Behringer S16.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners, solvents, or waxes.
- **Ventilation:** Ensure that the ventilation openings are not blocked. Adequate airflow is essential to prevent overheating.
- **Storage:** When not in use for extended periods, store the S16 in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Handling:** The unit is constructed from plastic and steel. Handle with care to avoid physical damage, especially to connectors and controls.

Troubleshooting

This section addresses common issues you might encounter with your S16.

Problem	Possible Cause	Solution
No audio output from S16.	Incorrect AES50 connection; S16 not powered on; gain set too low; output routing incorrect on mixer.	Verify AES50 cable connection and status lights. Ensure S16 is powered on. Check input gain settings on S16 or connected mixer. Confirm output routing from your digital mixer to the S16.
"CLIP" indicator constantly lit.	Input signal is too strong.	Reduce the input gain for the affected channel on the S16 or remotely from your mixer.
Remote control not working.	Faulty CAT5e cable; incorrect network settings; incompatible mixer firmware.	Test the CAT5e cable. Check network settings on both the S16 and the connected mixer. Ensure both devices have compatible and updated firmware.

For more detailed troubleshooting or specific technical issues, please refer to the Behringer official website or community forums for additional support and resources.

Specifications

Technical specifications for the Behringer S16 Digital Stage Box.

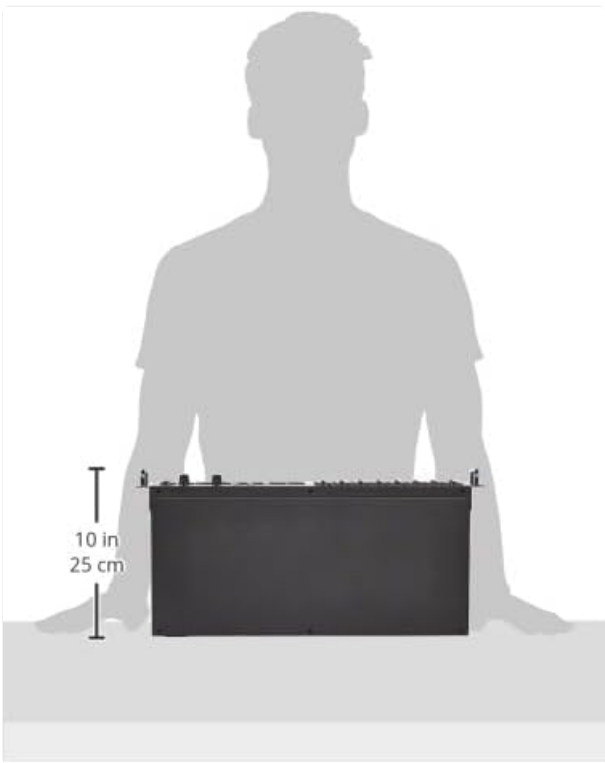




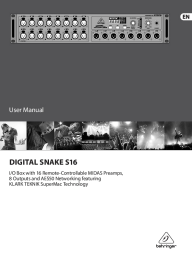

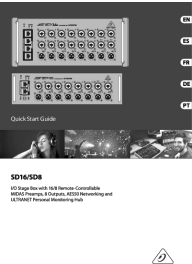
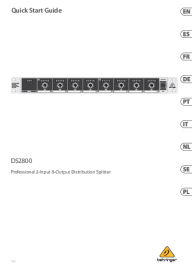
Figure 2: Dimensions of the Behringer S16 Digital Stage Box.

Attribute	Value
Model Number	S16
Item Weight	10.36 pounds (4700 Grams)
Product Dimensions	22 x 13 x 6 inches
Color Name	Black
Compatible Devices	P-16m, P16-I, P16-MB, X32
Digital Audio Protocol	AES50
Hardware Interface	Ethernet
Material Type	Plastic, Steel
Mixer Channel Quantity	16
Power Source	Corded Electric
Number of Channels	24 (referring to total channels handled by AES50, not just I/O)
Connectivity Technology	AES/EBU, Ethernet
First Available Date	July 30, 2007

Warranty and Support

Behringer products are designed for reliability and performance. For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Behringer website. For technical support, product registration, and access to the latest drivers and firmware updates, please visit the Behringer support page: www.behringer.com/support

Related Documents - S16

	<p>Behringer S16 Digital Stage Box Quick Start Guide</p> <p>This guide provides essential information for setting up and operating the Behringer S16 Digital Stage Box, including front and rear panel details, firmware updates, headphone monitoring, operation modes, and setup examples.</p>
	<p>Behringer PM1 Quick Start Guide: Personal Monitor Amplifier</p> <p>Get started quickly with the Behringer PM1 Personal Monitor Amplifier. This guide covers essential safety instructions, control descriptions, connection details, technical specifications, and warranty information for your Behringer PM1.</p>
	<p>Behringer DIGITAL SNAKE S16: 16-Channel AES50 Stagebox User Manual</p> <p>Comprehensive user manual for the Behringer DIGITAL SNAKE S16, an I/O box featuring 16 MIDAS preamps, 8 outputs, AES50 networking, and KLARK TEKNIK SuperMac technology. Covers setup, configuration, operation modes, MIDI communication, and technical specifications.</p>
	<p>Behringer S16 Цифровой Стейдж Бокс: Руководство пользователя и технические характеристики</p> <p>Подробное руководство пользователя для Behringer S16, цифрового стейдж бокса с 16 микрофонными предусилителями MIDAS, 8 выходами и сетевыми возможностями AES50 KLARK TEKNIK SuperMac. Описание настроек, подключения, схем и спецификаций.</p>
	<p>Behringer SD16/SD8 Quick Start Guide: I/O Stage Box with MIDAS Preamps</p> <p>Comprehensive guide to the Behringer SD16/SD8 I/O Stage Box, covering setup, controls, safety, networking (AES50, ULTRANET), channel management, specifications, and FCC compliance. Features MIDAS preamps for professional audio applications.</p>
	<p>Behringer DS2800 Professional 2-Input 8-Output Distribution Splitter Quick Start Guide</p> <p>This document provides a quick start guide for the Behringer DS2800 Professional 2-Input 8-Output Distribution Splitter, covering important safety instructions, hook-up diagrams, control descriptions, and specifications.</p>

