

# S16

I/O Box with 16 Remote-Controllable MIDAS Preamps, 8 Outputs and AES50 Networking featuring KLARK TEKNIK SuperMAC Technology



- 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
- ULTRANET connectivity for BEHRINGER's P16 personal monitoring system
- Digital audio and control connectivity for TURBOSOUND speaker systems with ULTRANET networking capability
- Dual AES50 ports for cascading additional S16, SD16 or SD8 stageboxes—no merger or router required
- Precise LED metering plus 7-segment displays for signal control on stage
- Dual ADAT outputs providing 16-channel digital output on two optical TOSLINK\* connectors
- Phones output assignable to any of the inputs/outputs for on-stage monitoring
- MIDI In/Out for bi-directional communication between BEHRINGER X32 Series console and on-stage MIDI devices
- Remote operation via shielded CAT5e cable up to 330 ft / 100 m length
- USB connector for system updates via PC

Digital mixing has revolutionized virtually everything in the live-entertainment production workflow. Now we have come up with the perfect solution for connecting the onstage talent with your Front of House (FOH) console, and the rest of the world – the ultra-cool and ultra-affordable S16 Digital Snake!



The S16 provides 16 MIDAS-designed remote-controllable mic preamps, plus 8 balanced analog XLR returns at the stage end – and all it takes is a single shielded CAT5e cable (up to 330 ft / 100 m length). While KLARK TEKNIK, the industry-leader in high-end digital audio processing, invented the SuperMAC technology that made it all possible – our superb scale of production makes the S16 so very affordable.

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- “Planet Earth” switching power supply for maximum flexibility (100 - 240 V~), noise-free audio, superior transient response plus low power consumption for energy saving
- “Built like a tank” yet compact, all-steel 2U rack-mount chassis
- Conceived and designed by BEHRINGER Germany



ever since its formation in the 1970s, MIDAS has had a long history of innovation and leadership in the world of audio mixing consoles. Employed by the most famous touring acts and installations world-wide, legendary MIDAS consoles such as the XL4 and Heritage H3000 quickly became industry standards.

MIDAS has earned their impeccable reputation due to their no-compromise approach for audio and build quality and in particular for their Award-winning Mic Preamps which are considered by industry experts as the industry's best sounding designs. Building on this legacy, the XL8 and PRO Series of Live Mixing Systems continue this great heritage of Award-winning audio quality.

## Massive Connectivity

BEHRINGER is proud to incorporate a MIDAS designed mic preamp for the ultimate in high-quality audio reproduction in both live and studio environments. Find out more about MIDAS' amazing legacy by visiting their extensive [website](#).

When used as part of a complete X32 system, two S16 Stage Boxes can be cascaded via the built-in AES50 ports, providing connectivity for up to 32 mic/line inputs, 16 balanced outputs and the awesome POWERPLAY P-16 Personal Monitoring System – which can feed up to 48 individual monitor mixers. The S16's onboard ADAT Outputs enable splitting the Award-winning Midas-designed preamp signals to outboard devices – including recording systems. When more channels are needed, these optical sockets can alternately be used to connect ADAT-equipped D/A converters (such as the Behringer ADA8200) for up to 16 additional analogue outputs.

## MIDAS - The Legend in Sound Quality

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## Standalone Snake Mode

The S16 was initially designed with our flagship X32 Digital Mixing Console in mind, but any mixing board with AES50 networking capability can still tap into the S16's powerful feature set. So even if the gig calls for an analog board, you can quickly assemble a couple of S16s and ADA8200s to create a high-performance, lightweight 16 x 16 digital snake – with full remote preamp control.

## Remotely Controllable Preamps Make Setup a Breeze

S16's ingenious monitoring/head amp control section allows you to select any of the 16 inputs, 8 bus outputs or P-16 output streams for immediate line checks. In addition to signal metering at the stage box, you can also set individual input channel Gain, apply +48 V phantom power – and listen directly to the input signal via headphones and much more. Once set, all configuration settings can be locked at the console for total system security.



## ULTRANET – Seamless Integration

The world-renowned engineers at KLARK TEKNIK, MIDAS, TURBOSOUND and BEHRINGER have all come together to create something truly innovative that will change your live and studio workflow forever – welcome to ULTRANET. This revolutionary technology seamlessly transmits up to 16 independent channels of 24-bit digital audio and control data via a single shielded CAT5e cable between compatible digital devices – including mixers, I/O stage boxes, powered loudspeakers and personal monitoring systems. Advantages realized through ULTRANET digital networking, versus traditional analog methods, include: all audio signals are impervious to Radio Frequency Interference (RFI); signal crosstalk is eliminated, and ease of use translates directly into a significant amount of time saved during show setup or installation. ULTRANET effectuates a powerful digital eco-system that gives you unparalleled ease of deployment, performance and control for BEHRINGER P16 Personal Monitoring Systems and Turbosound iQ Speaker Series.

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## Extreme Value

As you can see, the S16 is an extremely versatile 16 x 8 digital stage box solution with remote-controllable MIDAS-designed mic preamps, KLARK TEKNIK's AES50 connectivity and a wealth of other professional-grade features – all at a price anyone can afford! Built tough enough to withstand the rigors of the road, the S16 only takes up two rack spaces and connects to FOH with a single, inexpensive CAT5e cable. Now you can have the missing link between the stage and FOH at a fraction of the cost of competing systems – and we back it up with a comprehensive warranty program.

## I/O Interfaces

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