

# Behringer S16 Specs

## Processing

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### Conversion

A/D-D/A conversion: 24-bit @ 44.1 / 48.0 kHz,  
(Cirrus Logic A/D CS5368, D/A CS4385): 114 dB  
dynamic range

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### Network

Networked I/O latency (stage-box-in, console  
processing, stage-box- out): 1.1 ms

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### Connectors

XLR inputs, programmable mic preamps, designed  
by Midas: 16  
XLR outputs: 8  
Phones outputs, 1/4" TRS: 1 (mono)  
AES50 ports, SuperMAC: 2  
P16 connector, Ultranet (no power supplied): 1  
MIDI inputs / outputs: 1 /1  
ADAT Toslink outputs (2x 8 Channel): 2  
USB type B, rear panel, for system updates: 1

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### Mic Input

Characteristics:  
Design: Midas  
THD + noise, 20 dB gain, 0 dBu out: < 0.006% A-  
weighted  
Input impedance XLR, unbalanced / balanced: 5  
kOhms / 10 kOhms  
Non clip maximum input level, XLR: +23 dBu  
Phantom power, switchable per input: 48 V  
Equivalent input noise level, XLR (input shorted):  
-128 dBu  
CMRR, XLR, @ 20 dB gain (typical): >70 dB  
CMRR, XLR, @ 40 dB gain: >80 dB

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### Input/Output

Characteristics:  
Frequency range, @ 48 kHz sample rate, 0 dB to -1

dB: 10 Hz to 22 kHz  
Dynamic range, analog in to analog out (typical):  
106 dB  
A/D dynamic range, preamp and converter (typical):  
109 dB  
D/A dynamic range, converter and output: 108 dB  
Cross talk rejection @ 1 kHz, adjacent channels: 100  
dB  
Output level, XLR, nominal/maximum: +4 dBu / +21  
dBu  
Output impedance, XLR, unbalanced / balanced: 75  
 $\Omega$  / 75  $\Omega$   
Phones output impedance / level: 40  $\Omega$  / +25 dBm  
(mono)  
Residual noise level, XLR and TRS: -87 dBu A-  
weighted

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Indicator

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Display

4-digit, 7-segment, LED

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Status

Front status LEDs: AES50-A, red/green  
AES50-B, red/green  
HA Locked, red  
SN Master, green  
Splitter, orange  
Out +16, orange  
Out +8, orange

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Meter

Sig, -30 dB, -18 dB, -12 dB, -9 dB, -6 dB, -3 dB, Clip

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Rear Panel

Splitter mode, orange

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Power

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Power Supply

Switch-mode auto range: 100 to 240 V (50 / 60 Hz)

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Power Consumption	45 W
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## Physical

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Dimensions	19 x 8.9 x 3.5" (482 x 225 x 89 mm)
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Weight	10.4 lb (4.7 kg)
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## Packaging Info

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Package Weight	12.5 lb
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Box Dimensions (LxWxH)	21.5 x 12.1 x 6"
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