

BSS Audio BLU-100 Specs

Indicators

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|-------|---|
| Input | Signal Present, CLIP, 48 V (Input Only) |
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|-------|---------------------|
| Other | COM, STAT, ERR, PWR |
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Analog Input

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| Mic/Line Inputs | 12 x Electronically Balanced on Phoenix Combicon Removable Screw Connectors Nominal Gain 0 dB, Electronically Switchable up to +48 dB, in +6 dB Steps |
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| Input Impedance | 3.5 Kiloohms |
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| Maximum Input Level | +20 dBu with 0 dB Input Gain, +8 dBu with 12 dB Gain |
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| CMRR | > 75 dB at 1 kHz |
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| EIN | < -128 dBu Typical with 150-Ohm Source |
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| Phantom Power | 48 V Nominal, Selectable per Input |
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| Latency | A/D Latency: $37/F_s$ [0.77 ms @ 48 kHz] |
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Analog Outputs

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| Outputs | 8 x Electronically Balanced on Phoenix/Combicon Removable Screw Connectors |
| Maximum Output Level | +19 dBu |
| Frequency Response | 20 Hz to 20 kHz (+0.5 dB / -1 dB) |
| THD | < 0.01% 20 Hz to 20 kHz, +10 dBu Output |
| Dynamic Range | 108 dB Typical, 22 Hz to 22 kHz, Unweighted |
| Crosstalk | < -75 dB |
| Output Impedance | 40 Ohms Balanced, 20 Ohms Unbalanced |
| Latency | D/A Latency: $29/F_s$ [0.60 ms @ 48 kHz] |

Control Port

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| Control Ports | 12 Inputs and 6 Outputs |
| Input Voltage | 0 to 4.5 V |
| Input Impedance | 2-Wire Mode: 4.7 Kilohms to +5 V 3-Wire Mode: >1 Megohm |
| Output Voltage | Logic Output Voltage: 0 or +5 V Unloaded |

Output Impedance

Logic Output Impedance: 440 Ohms

Output Current

Logic Output Current: 10 mA Source, 60 mA Sink

Watchdog Output

Output Current

Opto Output Current: 14 mA Maximum

Voltage

Withstanding Voltage: 80 V Maximum (Off)

Impedance

Series Impedance: 220 Ohms (Isolated)

Control Network

Connectors

RJ45 Ethernet Connector

Maximum Cable Length

300' / 100 m on Cat 5e Cable between Devices

Number of Maximum Nodes

60

Latency

11/Fs [0.23 ms @ 48 kHz]
Pass-Through Latency: 4/Fs [0.08 ms @ 48 kHz]

Power

Mains Voltage

100 to 240 VAC, 50/60 Hz

Power Consumption

< 55 VA

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| BTU | < 188 BTU/Hour |
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|-----------------------------|------------------------|
| Operating Temperature Range | 41 to 95°F / 5 to 35°C |
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Dimensions & Weight

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|--------------------|------------------------------------|
| Dimensions (HxWxD) | 1.75 x 19 x 9" / 45 x 483 x 229 mm |
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| Weight | 6.4 lb / 2.9 kg |
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Packaging Info

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|----------------|---------|
| Package Weight | 9.65 lb |
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|------------------------|--------------------|
| Box Dimensions (LxWxH) | 23.8 x 15.6 x 4.8" |
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