ControlSpace® WP22BU-D
2-in/2-out Dante™ Wall Plate

Product Description
The Bose® ControlSpace® WP22BU-D Dante wall plate is a cost-effective multi-I/O wall box. The WP22BU-D features a balanced mic/line XLR input and a balanced XLR line output. Unbalanced options include two RCA line-level inputs, a 3.5mm TRS line-level input and a 3.5mm TRS line-level output. The WP22BU-D is designed to fit into most dual gang US junction boxes and is PoE enabled, so all connectivity (power and data) is provided by a single CAT-5 cable. The size of the WP22BU-D makes it easy to put Dante connectivity close to analog devices, helping to reduce costly and interference-prone analog wiring.

Key Features
- One balanced XLR mic/line input, one stereo (summed to mono) unbalanced input
- One balanced XLR line output and one mono unbalanced 3.5mm output — or one stereo unbalanced 3.5mm output
- 802.3af compliant PoE powered to work with any compliant PoE network switch
- Three gain levels are available on the XLR input with +48VDC Phantom power – all adjustable via ControlSpace Designer™ software
- ID indicator allows easy identification of which WP22BU-D is communicating with ControlSpace Designer software
- RCA inputs (mono-summed) and 3.5 mm input (mono-summed) can be selected via software, individually or summed (see Audio Flow diagram)

Technical Specifications

<table>
<thead>
<tr>
<th>Audio Inputs</th>
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</thead>
<tbody>
<tr>
<td>Input Channels</td>
<td>Two (2) analog, balanced (XLR) and unbalanced (RCA and/or 3.5mm)</td>
</tr>
<tr>
<td>Connectors</td>
<td>One (1) XLR, one (1) RCA pair, one (1) 3.5mm TRS</td>
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<tr>
<td>Phantom Power</td>
<td>+48VDC, software selectable (XLR input only)</td>
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<tr>
<td>Gain Settings</td>
<td>0 / +25 / +40 dB, software selectable (XLR input only)</td>
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<tr>
<td>Input Impedance</td>
<td>&gt;1.8 kΩ at any gain setting</td>
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<tr>
<td>Equivalent Input Noise</td>
<td>~115 dBu (+40 dB gain)</td>
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<tr>
<td>Maximum Input Level</td>
<td>+12 dBu @ 0 dB gain</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Audio Outputs</th>
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<tbody>
<tr>
<td>Output Channels</td>
<td>Two (2) analog, balanced (XLR) and unbalanced 3.5 mm, with automatic muting on loss of Dante signal</td>
</tr>
<tr>
<td>Connectors</td>
<td>One (1) XLR, one (1) 3.5mm TRS</td>
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<tr>
<td>Output Noise</td>
<td>&lt; ~90 dBu</td>
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<tr>
<td>Maximum Output Level</td>
<td>+12 dBu</td>
</tr>
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Software Application
ControlSpace® Designer™ software v4.2 or later

General
- Digital Conversion 48 kHz / 24-bit
- System THD < 0.01 % at any gain, input signal 3dB below maximum
- PoE class Class 0 802.3af PoE PD compliant
- Certifications FCC Part 15 Class A, CE (EN 55022 Class A)
- Dimensions 2.75" H x 3.60" W x 1.88" D (70 mm x 91 mm x 48 mm)
- Operating temperature 32 °F – 104 °F (0 °C – 40 °C)
- Product code 738678-0010

Applications
Convenient, wall-mounted mic/line I/O drops for:
- Hotel ballrooms
- Conference/meeting centers
- Conference rooms
- Sports facilities
- Convention centers
- Religious and worship facilities
- Retrofit applications using existing networking cables
**ControlSpace® WP22BU-D**

**Dante™ Wall Plate**

**Connector Panel**

**IN 1 Mic/Line input:**
- XLR, balanced
- Available gains of 0dB, +25dB, and +40dB gain, software selectable
- +48VDC phantom power available, software selectable

**ID indicator:** Blinks when the Identify button is pressed in ControlSpace Designer™ software. Allows easy identification of a specific WP22BU-D

**IN 2A-L/R input:** RCA line-level inputs, internally summed to mono

**IN 2B-L/R input:** 3.5 mm TRS line-level input, internally summed to mono

**OUT 1 output:** XLR balanced line-level output

**OUT 1/2 output:** 3.5 mm TRS line-level output

**Decora-style trim plate included**

**WP22BU-D Audio Flow Diagram**

**ControlSpace Designer™ software interface**

*Dante™ is a trademark of Audinate Pty Ltd.*