

## RDL DD-BN40 4x2 Wall-Mounted Bi-Directional Mic/Line Dante Interface/White

- **Network Connector:** RJ45 with Link and Speed indicators
- **Digital Audio Ethernet Protocol:** Dante
- **Transmission Rate:** 100 Mbps
- **Sample Rates Supported:** 44.1 kHz, 48 kHz (default)
- **Bit Depth Supported:** 24 bits
- **Audio Operating Level:** -20 dBFS = +4 dBu
- **Reference Level:** 0 dBFS = +24 dBu

### Mic/Line Inputs to Network Interface

- **Inputs (4):** XLR (female)
- **Gain:** Mic: 40 dB (LO), 48 dB (MED), 62 dB (HI); Line: Unity (LO), 8 dB (MED), 19 dB (HI)
- **Input Level (for +4 dBu/-20 dBFS):** Mic: -36 dBu (LO), -44 dBu (MED), -58 dBu (HI); Line: +4 dBu (LO), -8 dBu (MED), -15 dBu (HI)
- **Input Level (maximum):** Mic: -16 dBu (LO), -24 dBu (MED), -38 dBu (HI); Line: +24 dBu (LO), +12 dBu (MED), +5 dBu (HI)
- **Input Impedance:** > 2.5 k $\Omega$  (MIC); > 5 k $\Omega$  (LINE)
- **Phantom Power:** P48, 48 Vdc, switch-selectable
- **Standard for Phantom:** IEC 61938: 2013
- **Selectors per input (3):** Phantom, Mic/Line, Gain
- **Frequency Response:** 20 Hz to 20 kHz ( $\pm$  0.5 dB)
- **Equivalent Input Noise:** -130 dBu (62 dB gain); -132 dBu A- Weighted
- **Noise below -20 dBFS (20 to 20 kHz):** Mic: < -72 dB (LO), < -72 dB (MED), < -68 dB (HI); Line: < -72 dB (LO), < -72 dB (MED), < -70 dB (HI)
- **THD+N:** < 0.1% (20 Hz to 20 kHz, +4 dBu/-20 dBFS); 0.015% at 1 kHz (typ)
- **CMRR:** > 65 dB (50 Hz to 120 Hz)
- **Crosstalk:** Below Noise Floor (20 Hz to 20 kHz at operating level, any input to any input, max. mic gain)

### Network to Line Outputs

- **Outputs (2):** Balanced, detachable terminal block
- **Output Level (operating):** +4 dBu (nominal) balanced; -10 dBV (nominal) unbalanced, switch-selectable
- **Output Level (maximum):** +24 dBu balanced; +10 dBV unbalanced
- **Output Impedance:** 150  $\Omega$  balanced; 2.5 k $\Omega$  unbalanced
- **Frequency Response:** 20 Hz to 20 kHz ( $\pm$  0.5 dB)
- **THD+N:** < 0.1%
- **THD:** < 0.01% (1 kHz)
- **Noise:** < -80 dB (below +4 dBu or -10 dBV); < -100 (below +24 dBu)
- **Crosstalk:** Below Noise Floor (20 Hz to 20 kHz at operating level, output to output)
- **Headroom above +4 dBu or -10 dBV:** 20 dB
- **Indicators (4):** Ethernet Link and Speed (2, rear panel); Sync and Power (2, front panel)
- **Ambient Operating Environment:** 0° C to 40° C; 30° C maximum recommended
- **Power Requirement:** PoE Class 0, IEEE 802.3af
- **Specification Conditions:** Gain/Level:  $\pm$  1 dB; Source termination: 150  $\Omega$ ; A to D values measured in digital domain
- **Dimensions:** 3.52" (8.94 cm) W; 4.11" (10.44 cm) H; 2.09" (5.31 cm) D
- **Package Type:** Cardboard Box
- **Package Dimensions:** 3.625 x 4.625 x 2.125 in.
- **Shipping Weight:** 1.1115 lbs.
- **WEEE weight:** 0.96 lbs.
- **Tariff code:** 8517.18.0050