

INTERNAL TALKBACK

Note: All measurements taken at maximum gain unless otherwise stated, $R_s = 150\Omega$

GAIN RANGE 0dB to 55dB

TYPE Electronically Balanced, $Z_{in} = 3k\Omega$

MAX. INPUT LEVEL +10dBu ± 0.5 dB

EXTERNAL TALKBACK

Note: All measurements taken at maximum gain unless otherwise stated, $R_s = 150\Omega$

GAIN RANGE 0dB to 55dB

MAX. INPUT LEVEL +10dBu ± 0.5 dB

FREQUENCY RESPONSE 20Hz - 20kHz ± 2 dB

THD + N Less than -98dB (0.0012%) @ -1dBFS

EIN Less than -128dBu 'A'-Weighted (typical)

SIGNAL-TO-NOISE RATIO -111dB 'A'-Weighted (typical), min gain

COMMON MODE REJECTION RATIO 50/60Hz CMRR: $\leftarrow -77$ dB

TYPE Electronically Balanced, $Z_{in} = 3k\Omega$

HEADPHONE OUTPUT

Note: All measurements taken at +19dBm reference level, maximum gain, $R_L = 600\Omega$

0 DBFS REFERENCE LEVELS +11dBm

FREQUENCY RESPONSE 20Hz to 20kHz ± 0.5 dB

THD + N -100dB (0.001%) @ -1dBFS, $R_s = 150R$

DYNAMIC RANGE 108dB 'A'-weighted (typical), 20Hz - 20kHz

NOISE IN PRESENCE OF SIGNAL (NiPoS) Greater than -97 dBu 'A-Weighted'

OUTPUT IMPEDANCE 5 Ω

HEADPHONE IMPEDANCE 32 Ω - 600 Ω

MICROPHONE / LINE CROSSTALK

MIC INPUT TO HEADPHONE OUTPUT Less than -122dB; 20Hz - 20kHz (all other channels at 0dBFS)

HEADPHONE OUTPUT TO MIC INPUT Less than -84dB; 20Hz - 20kHz (all other channels at 0dBFS)

HEADPHONE CROSSTALK

LEFT TO RIGHT Less than -85dB; 20Hz - 20kHz (all other channels at 0dBFS)

RIGHT TO LEFT Less than -85dB; 20Hz - 20kHz (all other channels at 0dBFS)

DIGITAL PERFORMANCE

SUPPORTED SAMPLE RATES 44.1 / 48 / 88.2 / 96 kHz [-4% / -0.1% / +0.1% / +4.167%] at 24 bit

CLOCK SOURCES Internal or from Dante Network Master

**REAR PANEL CONNECTIVITY,
POTS & SWITCHES**

EXTERNAL TALKBACK MIC INPUT	1 x XLR (F)
FOOTSWITCH	1 x 1/4" stereo jack

OUTPUTS

HEADPHONE OUTPUTS	1 x 1/4" stereo jack
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POTS AND SWITCHES

POWER SWITCH	1 x Switch
TALKBACK GAIN POT	1 x Pot
TALKBACK SWITCH	1 x Tri-State Switch (External Talkback + 48V, External Talkback and Internal Talkback)

PSU & NETWORK CONNECTIONS

PSU (PoE AND DC)	1 x PoE Input and 1 x DC 12V Locking Barrel Input Connector
NETWORK	1 x Standard RJ45 connector

TOP PANEL INDICATORS

LCD SCREENS	2 x Screens (Control, Status, Metering & Menus)
CONTROL FUNCTIONS	2 x Continuous Pot (Level & Dim). 1 x Pot (Headphone Output). 24 x Multi-Function Switches (Sources, Talkback, Monitor Outputs & Menu Items). 12 x Single-Function Switches (Headphones, Sum, Spill, Mode, Mute, Solo, Outputs, A/B, Cut x 2, Dim & Output Lock)

POWER

POWER OVER ETHERNET (PoE)	Complies with IEEE 802.3af class 0 Power-over-Ethernet standard (PoE A or PoE B compatible)
DC POWER SUPPLY	1 x 12V 1.2A DC Power Supply
POWER CONSUMPTION	PoE: 10.3W - DC: 9W (When using supplied DC PSU)

HEAT PERFORMANCE

OPERATING TEMPERATURE	Operates at up to an ambient temperature of 40 degrees Celsius
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