

Digital Distribution Amplifier

DXA Series

DXA Series Digital Audio Distribution Amplifiers can be used as economical, stand-alone units or as cost-effective output expanders for use with a fully metered DDA companion unit. Input sample rates from 27 to 96kHz are re-clocked and cleanly delivered to either balanced 110 ohm XLR or 75 ohm BNC coax connectors with up to 12 XLR or 24 BNC outputs.

- Accepts sample rates from 27 to 96kHz
- Loop-thru transformer balanced and isolated inputs
- Switchable input termination resistors
- Individual, transformer balanced and isolated 110 ohm XLR outputs
- Individual isolated 75-ohm BNC outputs
- Single or dual inputs
- Up to 12 XLR or 24 BNC outputs
- Quiet, internal linear power supply
- Attractive, 1RU package



Models Available

- DXA112-BNC – 1X12 AES/EBU Digital Audio Distribution Amplifier, Re-clocking – 75 ohm BNC I/O
- DXA112-XLR – 1X12 AES/EBU Digital Audio Distribution Amplifier, Re-clocking – 110 ohm XLR I/O
- DXA124-BNC – 1X24 AES/EBU Digital Audio Distribution Amplifier, Re-clocking – 75 ohm BNC I/O
- DXA212-XLR – Dual 1X6 AES/EBU Digital Audio Distribution Amplifier, Re-clocking – 110 ohm XLR I/O
- DXA224-BNC – Dual 1X12 AES/EBU Digital Audio Distribution Amplifier, Re-clocking – 75 ohm BNC I/O

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Technical Specifications

DXA Series

INPUT	
CONNECTORS	XLR female or BNC; paralleled input connectors for loop-thru expansion
LEVEL	XLR: .2Vp-p minimum; BNC: .1Vp-p minimum
IMPEDANCE	Transformer isolated, balanced and floating; XLR 110 ohms, BNC 75 ohms
SAMPLING FREQUENCY	27 to 96kHz
CABLE LENGTH	> 300 meters of 110 ohm cable with equalizer; 75-ohm coax allows longer runs
SAMPLE RATE	32, 44.1, 88.2 or 96kHz
OUTPUT	
CONNECTORS	XLR Male: 12; BNC chassis mount, 12 or 24; depending on model
BNC	75 ohms, unbalanced, capacitor coupled
OUTPUT JITTER	< 3 nanoseconds peak-to-peak at 96kHz sample rate
OUTPUT DELAY	Three frames (sample intervals) at the sample rate
LEVEL	XLR: 4Vp-p loaded at 110 ohms; BNC: 2Vp-p loaded at 75 ohms
IMPEDANCE	XLR: 110 ohms, balanced and transformer isolated; BNC: 75 ohms, unbalanced
PROPAGATION DELAY	< 100 nanoseconds
POWER	LED red ON
POWER SUPPLY	Internal supply, 115/230VAC10%, 50/60Hz, 10VA; IEC320 3-pin connector
SIZE	1 RU Package, 19"(48.3cm) W X 1-3/4"(4.5cm) H X 7"(17.8cm) D
WEIGHT	5lbs (2.3kg)
WARRANTY	Limited, One Year Warranty