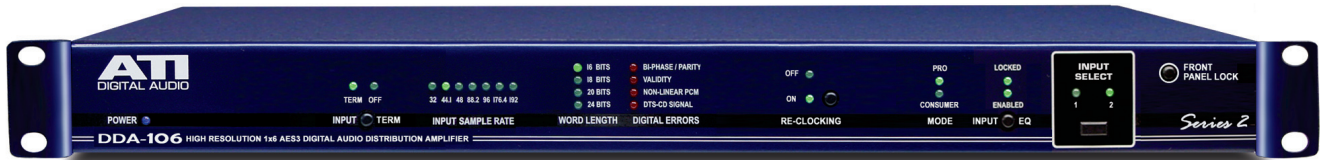


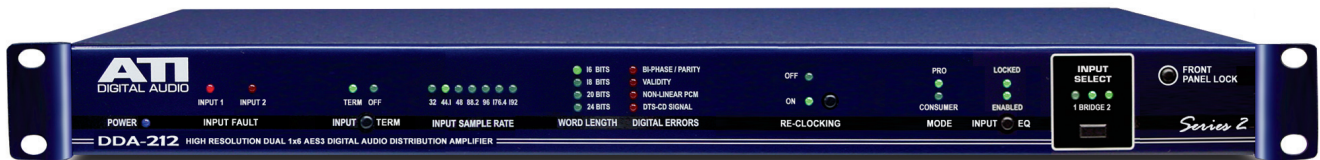
# Series 2 High Resolution Digital Audio Distribution Amplifiers from



**DDA-106 Series-2 Input 1x6**



**DDA-106XLR & DDA-106BNC Rear Panels**



**DDA-212 Series-2 Input 1x12 or Dual 1x6**



**DDA-212XLR & DDA-212BNC Rear Panels**

- Sample rates from 27 to 192kHz
- Word lengths from 16 to 24 bit
- Lowest jitter, <300 picoseconds
- Propagation delay <25 nanoseconds
- Selectable Re-clocking, Surround capable
- Loop-thru inputs with switched termination
- Input sample rate indicators
- Input word length indicators
- Fault diagnostic indicators
- Pro/Consumer Mode indicator
- Automatic Input EQ for long line lengths
- Engineered by DaySequerra

ATI's Series 2 Digital Audio Distribution Amplifiers give you new features and flexibility. Now you can distribute digital audio at up to 192kHz sample rates with incredibly low jitter and ultra-short propagation delay. **Switchable inputs** let you choose from multiple input streams. **Selectable re-clocking** lets you precisely regenerate a pristine input signal or handle Surround-encoded audio. **Sample Rate, Word Length, Fault Diagnostic** and **Pro/Consumer displays** tell you your audio is clean or let you know why it's not. **Push-button Input EQ** optimizes for long input cables. **Loop-thru connectors** let you stack units for even more outputs or seamlessly insert a DA into your digital workflow. Series 2 units are **available in 1x6 or flexible 1x12 / Dual 1x6 models**, each with a choice of XLR or BNC I/O. **To order, contact ATI or your authorized ATI Distributor.**

## TECHNICAL SPECIFICATIONS:

### INPUT

CONNECTORS	XLR female or BNC; paralleled input connectors for loop-thru expansion
LEVEL	XLR 0.2Vp-p minimum; BNC 0.1Vp-p minimum
IMPEDANCE	Transformer isolated, balanced and floating, XLR 110 ohms, BNC 75 ohms; terminating resistors may be switched in or out via front panel control
SAMPLING FREQUENCY	27 to 192kHz
CABLE LENGTH	> 1000 feet (300 meters) of 110 ohm cable with equalizer; 75 ohm coax allows longer runs
EQUALIZER	Automatic EQ for long lines via front panel push button
CLOCK	Regenerated from input signal with dual mode PLL or non-reclocked to preserve Surround coding, switchable

### OUTPUTS

CONNECTORS	XLR Male or BNC Female, 6 or 12 depending on model
LEVEL	XLR 4Vp-p loaded; BNC 2Vp-p loaded
IMPEDANCE	XLR 110 ohms, balanced and transformer isolated; BNC 75 ohms, unbalanced
OUTPUT JITTER	< 300 picoseconds peak to peak.
PROPAGATION DELAY	< 25 nanoseconds

### INDICATORS

INPUT FAULT (DDA-212 Only)	Input 1, Input 2; identifies input with error condition
INPUT TERMINATION	On, Off
INPUT SAMPLE RATE	32, 44.1, 48, 88.2, 96, 176.4 and 192 kHz
INPUT WORD LENGTH	16, 18, 20 and 24 bits
INPUT DIGITAL ERRORS	Bi-Phase/Parity, Validity, Non-Linear PCM, DTS-CD Signal
RE-CLOCKING	Off, On
MODE	Pro, Consumer
INPUT CABLE EQ	Locked, Enabled
INPUT SELECT	DDA-106: 1, 2; DDA-212: 1, Bridge, 2
POWER	LED indicates power is applied

### POWER

Internal Supply, 115/230VAC (selectable via internal jumper)  $\pm 10\%$ , 50/60Hz, 10VA, IEC320 3 pin connector

### SIZE

1 RU Package, 19" (48.3cm) W x 1.75" (4.5cm) H x 8.5" (21.6cm) D

### WEIGHT

7 pounds (3.2 kg) net; 9 pounds (4.1 kg) shipping weight

### WARRANTY

Limited, One Year Warranty

### MODELS AVAILABLE:

DDA-106XLR	2 Input 1X6 DDA, XLR I/O
DDA-106BNC	2 Input 1X6 DDA, BNC I/O
DDA-212XLR	2 Input 1X12 or Dual 1X6 DDA, XLR I/O
DDA-212BNC	2 Input 1X12 or Dual 1X6 DDA, BNC I/O

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