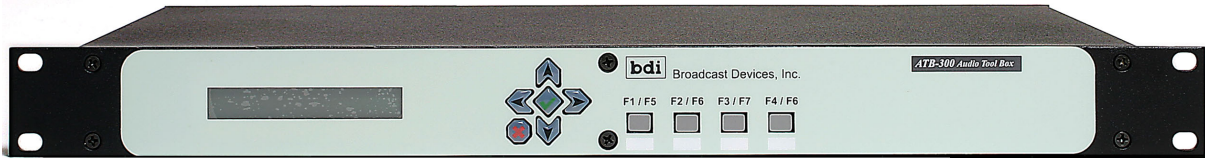


The ATB-300 Audio Toolbox Program Switcher/Router With Silence Sensor



The ATB-300 is an analog and digital audio switcher/router with features not found as standard in other products:

Simple front panel menu programming of silence sense delay, priority channel, revert timeout - program up to 8 channels for secondary, tertiary, etc. sources , input mode selection, input/output gain and input phase inversion.

Revert feature returns to primary channel when signal integrity is restored automatically

Programmable silence threshold

Proprietary “Silent Switch” feature for seamless switching between sources and synchronous AES switching creating no switching artifacts

Frame Rate Conversion on all digital inputs

Programmable Alarm Contacts - Momentary for remote start of alternate source, maintained for remote control status

Fully Remote Control Ready - Parallel standard, serial interface optional

Power Fail Memory - Returns to last channel selected upon power up

Standard configurations available:

Model Number	Description
ATB-300-1	Audio Tool Box 4- AES I/O
ATB-300-2	Audio Tool Box 4- AES I/O, 4 Analog L/R Balanced Input
ATB-300-3	Audio Tool Box 4- AES I/O, 4 Analog L/R Balanced Out
ATB-300-4	Audio Tool Box 4 - Analog Only L/R Balanced I/O
ATB-300-5	Audio Tool Box 4- AES I/O, 4 Analog L/R Balanced I/O
ATB-300-6	Audio Tool Box 8 - AES I/O
ATB-300-7	Audio Tool Box 8 - Analog Input. 4 Analog Output
ATB-300-8	Audio Tool Box 8 - Analog I/O



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Technical Specifications

Digital	
Inputs:	AES3 Balanced 110 Ohm Impedance
Sample Rates:	8 - 96 KHz
Outputs:	AES3 Balanced 110 Ohm Impedance
Sample Rates:	8 - 48 KHz 24 bits throughout with sample rate conversion on all digital inputs
Connector Style:	DB-25 I/O - Compatible with Standard DB-25 to XLR Breakout Cables Available from BDI
Remote Control:	GPIO Interface momentary closure to ground or Optional Serial for manual channel selection - Remote enable/disable
Status:	Open Collector GPIO or Option Serial Interface, two additional form C relays available for audio loss alarm - programmable maintained or momentary closure for start of auxiliary audio sources
Analog	
Inputs:	Balanced +4/-10 dBm nominal - selectable gain adjust +/- 10 dB in 1 dB inc.
Outputs:	Balanced -10 dBFS analog equivalent - 4 or 8 depending on model
Frequency Response:	+/- 0.25 dB from 20 Hertz to 20 KHz
General	
Power Requirements	100 - 240 VAC 50 - 60 Hertz
Physical	19" W X 1.75: H X 10" D EIA Rack Standard
Environmental:	0-60 Degrees C Non Condensing Atmosphere

Basic Block Diagram of the ATB-300 System

