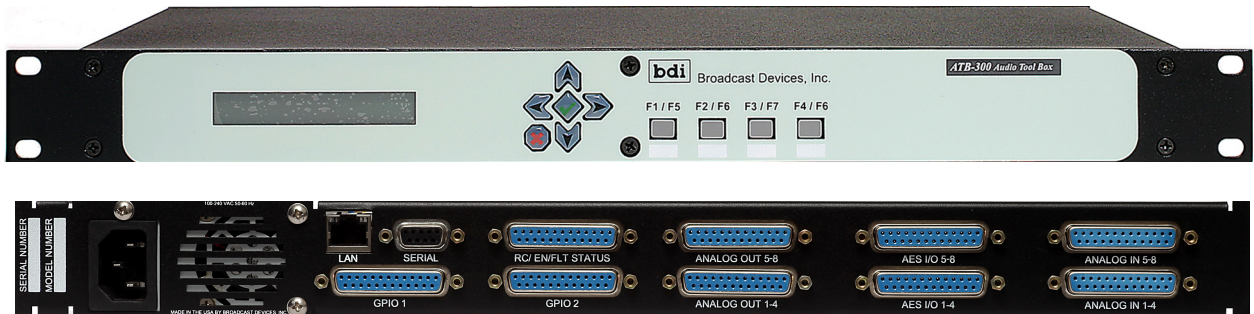


## *The ATB-300 Audio Toolbox Program Switcher/Router With Silence Sensor*



### ***ATB-300 Description:***

The ATB-300 series audio switchers can be ordered in 4 or 8 channel versions in all digital, hybrid analog/digital or all analog versions. Simply select from the 10 different model configurations available. In addition to standard AES3 and analog balanced XLR I/O we offer composite base band I/O versions still popular with FM broadcast applications. All ATB-300 versions feature programmable silence sensor switching capability along with an auto revert feature that monitors a failed channel and when valid audio is restored can switch back to the primary channel without operator intervention. Remote control the ATB-300 with GPIO, RS232/485 serial and optional Internet connectivity kit available for use with BDI graphical user interface software. In addition to these remote control interfaces BDI offers GPMRC remote panel for intra facility remote control. The ATB-300 series audio switchers allow simple selection of source to be routed to all outputs simultaneously. The unit also features alarm status relays for remote status and for local source start command for local backup audio applications. The ATB-300 series offer synchronous digital audio switching for glitch-free, pop-free switching. We added an extra soft fade feature that provides seamless switching between sources eliminating transient discontinuities in the audio output.

Convenient Tascam standard I/O for analog and AES standard DB-25 connectors are used for audio connections. BDI offers 110 ohm XLR and 75 ohm BNC digital interface panels and XLR balanced analog I/O panels for convenient plug and play installation.

### ***Standard configurations available:***

<b>Model Number</b>	<b>Description</b>
<b>ATB-300-1</b>	4- AES I/O
<b>ATB-300-2</b>	4- AES I/O, 4 - Analog L/R Balanced Input
<b>ATB-300-3</b>	4- AES I/O, 4 - Analog L/R Balanced Out
<b>ATB-300-4</b>	4 - Analog L/R Balanced I/O
<b>ATB-300-5</b>	4- AES I/O, 4 - Analog L/R Balanced I/O
<b>ATB-300-6</b>	8 - AES I/O
<b>ATB-300-7</b>	8 - Analog L/R Input, 4 - Analog L/R Out
<b>ATB-300-8</b>	8 - Analog L/R I/O
<b>ATB-300-9</b>	4 - AES I/O, 4 - Composite FM Stereo I/O
<b>ATB-300-10</b>	4 - Composite FM Stereo I/O, 4 - L/R Balanced Input



**Broadcast Devices, Inc.**

Tel. (914) 737-5032 Fax.. (914) 736-6916

Visit us on the web at: [www.Broadcast-Devices.com](http://www.Broadcast-Devices.com)

# Technical Specifications

## Digital

<b>Inputs:</b>	<b>AES3 Balanced 110 Ohm - 75 Ohm Unbalanced Interface Panel Available</b>
<b>Input Sample Rate:</b>	<b>8-96 KHz Frame Rate Converted to 44.1 or 48 KHz</b>
<b>Outputs:</b>	<b>AES3 Balanced - 75 Ohm Unbalanced Interface Panel Available</b>
<b>Connector Style:</b>	<b>DB-25 I/O - DB-25 to XLR Interface Panels Available from BDI</b>
<b>Remote Control:</b>	<b>GPIO Interface closure to ground or Serial RS-232/485 - Also Compatible with BDI GPMRC Remote Pushbutton Panel and optional BDI model IAS-100 Internet Interface Kit Available</b>
<b>Status:</b>	<b>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, Complete channel select/audio presence status when used with optional BDI IAS-100 Internet Interface Kit</b>

## Analog

<b>Inputs:</b>	<b>Balanced +4 dBm - nominal program level</b>
<b>Outputs:</b>	<b>Balanced +4 dBm nominal program level consistent with -20 dBFS for AES3 I/O</b>
<b>Frequency Response:</b>	<b>+/- 0.25 dB from 20 Hertz to 20 KHz</b>

## General

<b>Power Requirements</b>	<b>100 - 240 VAC 50 - 60 Hertz</b>
<b>Physical</b>	<b>19" W X 1.75: H X 10" D EIA Rack Standard</b>
<b>Environmental:</b>	<b>0-60 Degrees C Non Condensing Atmosphere</b>

*Basic Block Diagram of the ATB-300-5 System showing hybrid analog/digital model other models available see page 1 for all configurations*

