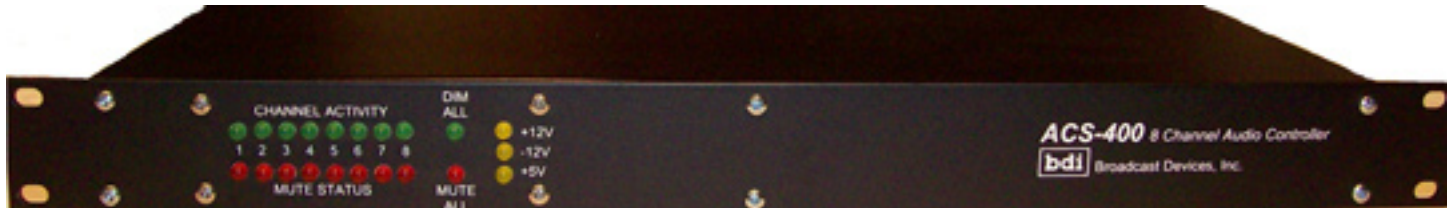


# *The ACS-400 - Eight Channel Audio Controller*



## *The ACS-400 Manages Multi Channel Audio or Can Provide Extra Microphone Preamplifier Channels...*

*The ACS-400 contains eight individual amplifiers. Each amplifier features line or microphone level input sensitivity, VCA volume control, on/off, and dimming. Volume control can also be programmed so that one control can control the gain of 2 or more channels in any grouping desired. For example, one control can be programmed to adjust six channels for a 5.1 multi channel level control and another can adjust the remaining two channels for a stereo mix. The ACS-400 was developed for the management of television master control multi channel monitor control but can be used in virtually any application where remote control of volume, on/off and dimming is required. The ACS-400 also can be configured for microphone level input in situations where additional microphone preamplification is needed in a radio, television or professional sound environment.*

*The ACS-400 is available in two versions. Pictured above is the ACS-100-1 standard front panel which contains eight channel activity indicators, eight mute status indicators, a dim status indicator and a global mute indication. All control of audio is done by remote control. The optional REM-400 panel is available from BDI which directly interfaces to the ACS-400-1 via a single DB-25 male to female cable. If local control of audio is desired, the ACS-400-2 is identical in function but is supplied with the REM-400 panel with individual channel volume controls along with on/off control buttons is provided. See reverse for a photo and description of the versatile REM-400 panel.*

### ***Possible Uses Include:***

*5.1/Stereo Monitor Control - Television Master Control or Professional Mixing Suites*

*Multiple Stereo Monitor Control*

*Multiple Microphone Preamplifiers for Addition to a Console - Talk Radio, Television Production, Recording*

*Level Control of Line/Microphone Channels*

### ***Features Include:***

*Active Balanced I/O - Outputs Short Circuit Protected and Servo Steered*



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## ***Useful Features:***

*Microphone of line level input sensitivity on any channel*  
*Eight channel global dim and mute*  
*Dim level selectable -10, -20, -30 dB or custom dim level*  
*Individual mute or any combination of channels*  
*Balanced I/O*  
*Full remote control/status*  
*Programmable Remote Volume Control*  
*Front panel channel audio activity indicators/status*

## **Technical Specifications**

<b>Number of inputs:</b>	<b>8 - Balanced</b>
<b>Number of outputs:</b>	<b>8 - Balanced</b>
<b>Nominal input level:</b>	<b>+4 dBm Line /-55 dBm microphone selectable any channel</b>
<b>Dim function:</b>	<b>All channels 10, 20 , 30 or custom dim level</b>
<b>Mute function:</b>	<b>All channels or selective mute any channel</b>
<b>Mute isolation:</b>	<b>Better than 70 dB any channel any frequency</b>
<b>Front panel indicators</b>	<b>8 - Channel audio activity</b> <b>8 - Mute status/ group dim and mute</b> <b>3 - Power +/- 12VDC, 5 VDC</b>
<b>Frequency response:</b>	<b>+/- 0.1 dB from 20 Hertz to 20 KHz any channel</b>
<b>Total harmonic distortion:</b>	<b>Less than 0.05% @ 400 Hertz nominal input level</b>
<b>System noise:</b>	<b>Better than -70 dB from nominal input any channel</b>
<b>Remote control:</b>	<b>Maintained ground for dim toggle for mute function</b>
<b>Status:</b>	<b>Active low TTL compatible</b>
<b>Physical dimensions:</b>	<b>19"W X 1.75"H X 10" D</b>
<b>Power requirements:</b>	<b>120V @ 0.25A/240V @ 0.125A 50 - 60 Hz</b>
<b>Environmental:</b>	<b>0 - 60 Degrees C. Non condensing atmosphere</b>



Optional REM-400 Remote Control Panel

***Eight individual volume controls***

***4 lighted On/Off Controls - one button controls both channels in each group***

***Direct plug in DB-25 cable interface to ACS-400 - Cables Available from BDI***

***D.C. Remote Control of volume - eliminates hum and crosstalk pick up***



**Authorized Distributor:**