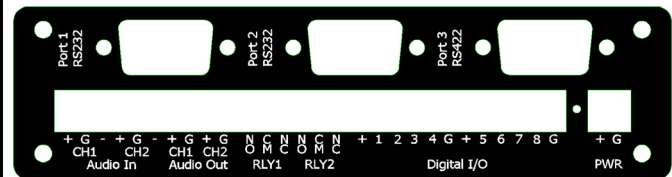


Front Panel Detail

Key Features

- 2 audio inputs and outputs
 - Volume control between -100 to 0 dB
 - Delay, up to 40ms at 48kHz sampling rate
 - 8 equalization filters per channel
 - Input level jumper allows selection of +12dBu or 0dBu input levels
 - Max Output of 12dBu
- Controls up to 3 serial devices: RS-232 (2 Max), RS-422 (1 Max)
- 3-port 10/100baseT switch with auto negotiation and auto crossover detection
- Unit maybe be powered with Power Over Ethernet (PoE) or an external power supply at 12V to 24V DC
- Real time clock (RTC) for event scheduling
- 8 digital I/O, with closure detection, PWM output, and 100mA sink at 12V
- 2 of the digital I/O pins may be used as a quadrature decoder
- 2 ADC inputs for voltage based control
- Infrared Output device control
- 2 Relays, SPDT w/ NC and NO terminals
- Pluggable barrier strip connectors for easy field wiring
- Front Panel LEDs indicate power on, digital I/O status and audio signal presence and clip
- UDP/TCP/Telnet control protocols



Back Panel Design

Description

The BBI Micro Multifunction Show Controller was designed to handle the needs of local exhibit control, small media shows, and theme attractions. The unit can act either in standalone mode or in slave mode for compatibility with AMX and Crestron show control systems. As a show controller, it operates DVD, LD and CD players, lighting controls and other serial devices using RS-232, and RS-422. The μMSC responds to closures (button pushes) or open collector logic on its digital I/O ports, and serial commands on its device ports. When used as outputs, the digital I/O ports drive tally lights or other low current devices and relays. PWM signals provide dimming of tally lights or driving of servo positioners. A quadrature encoder may be used for position monitoring. A potentiometer may be connected to the ADC inputs for external volume control. The two on-board relays are able to handle high current (2A at 30V max) devices to make integration into exhibits easier. Power can either be supplied by an external power supply or through PoE to ease the total number of wires brought to the device.