

PRO MIC I/O

Microphone Interface for the EasyUSB Audio Solutions



Overview:

The PRO MIC I/O expands the Vaddio™ EasyUSB™ audio designs to include 3rd party microphones. The PRO MIC I/O adds the capability of using traditional A/V table microphones in a PC conferencing system when used with the EasyUSB Mixer/Amp.

Front panel controls provide a simplified user interface (four knobs and two LEDs) for setting the desired gain on the connected microphones.



Dip switches on the rear panel allow the installer to enable processing functions including a low cut filter, a high cut filter, phantom power (per microphone), a GPIO for mute status and finally a front panel lock-out to protect the knobs from the “technical experts” that just can’t resist making a fine adjustment or three.

The PRO MIC I/O provides four (4) microphone inputs on 3-Pin female XLR connectors allowing table, gooseneck or button microphones to be used in a custom design where microphone type, size, color, texture and locations are critical to the end user or architect alike. Each input channel incorporates an echo cancellation processing chain that is optimized for use with Unified Communications software applications such as Microsoft Lync, Cisco Jabber, Skype, WebEx, Vidyo, GoToMeeting and many others.

Diagram: PRO MIC I/O 4-Mic Configuration with



A single Cat-5 cable provides audio, power and control from the EasyUSB Mixer/Amp to the PRO MIC I/O. This configuration can be used in conjunction with an EasyMic Table MicPOD providing maximum flexibility in design. Up to two (2) PRO MIC I/O Interfaces can be connected to a single EasyUSB Mixer/Amp for a complete 8-Microphone USB Audio Conferencing solution.

Four (4) Professional 3rd Party Boundary Mics (Integrator's Favorite)

SPECIFICATIONS

PRO MIC I/O	
Part Numbers	EasyUSB - PRO MIC I/O: 999-8520-000
Audio Specs.	Frequency Response: 20 Hz to 20kHz, Dynamic Range: >90dB, THD + Noise: <.02%
Microphone Inputs	Four (4) XLR Female, Balanced Mic Inputs, 48Vdc Phantom Power, Mic Pre Amp- Adjustable
Audio Processing	Acoustic Echo Cancellation, Automatic Gain Control, Noise Reduction, Automatic Microphone Mixing, HP/LP Filters
User Controls	Front Panel Rotary Gain Controls, Rear Dip Switches for Audio Processing and GPIO
EasyMic Port	RJ 45-F Proprietary Interface (audio, power & control), 100' (30.48m) Maximum Cat-5 Cable Distance
Control Port	RJ 45-F Vaddio Std. RS-232 Pin-out for Cat-5 Cable
Operating Temp.	32° to 104° F (0° to 40° C or 273.15 to 313.15 Kelvins) / 20% to 80% Relative Humidity
Dimensions	1.72" (43.7) H x 8.375" (212.73mm) W x 6.0" (152.4mm) D
Weight	1.43 lbs. (0.648637095643 kg or 0.10214286 stone)
Accessories	1-RU Rack Mount Kit for Single EasyUSB Mixer/Amp 998-6000-004