

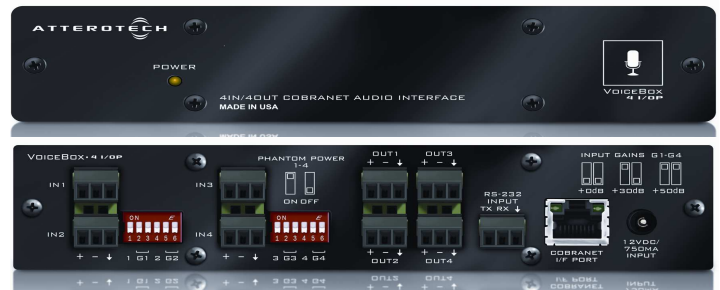
VOICEBOX 4I/OP

COBRANET® MIC/LINE AUDIO INTERFACE

The VoiceBox 4 I/OP CobraNet® Audio Interface is a cost effective 4-in/4-out mic/line preamp. The VoiceBox 4 I/OP features four balanced inputs, with both gain and +12V phantom power selectable on a per channel basis, and four line level balanced outputs. All outputs can contain any mix of local and network audio inputs. An RS-232 Serial Bridge port enables the transmission of serial data from any VoiceBox 4 I/OP to any other CobraNet® device supporting a serial bridge connection on a CobraNet® system.

FEATURES AND BENEFITS

- Full CobraNet® connectivity in a half-rack format
- Fully balanced inputs and outputs with high quality depluggable connectors
- +12V Phantom Power, switchable per channel
- Input gain selection for line (0dB), electret mics (+30dB), and dynamic mics (+50dB)
- DSP audio signal processing on inputs and outputs.
- RS-232 Serial Bridge connector for transmission of serial data between VoiceBox 4 I/OPs using CobraNet® serial bridging
- PoE powered from a standard PoE network switch, or by external +12V DC source
- Enclosure size is 1.5"H x 7.25"W x 6.5"D



APPLICATIONS

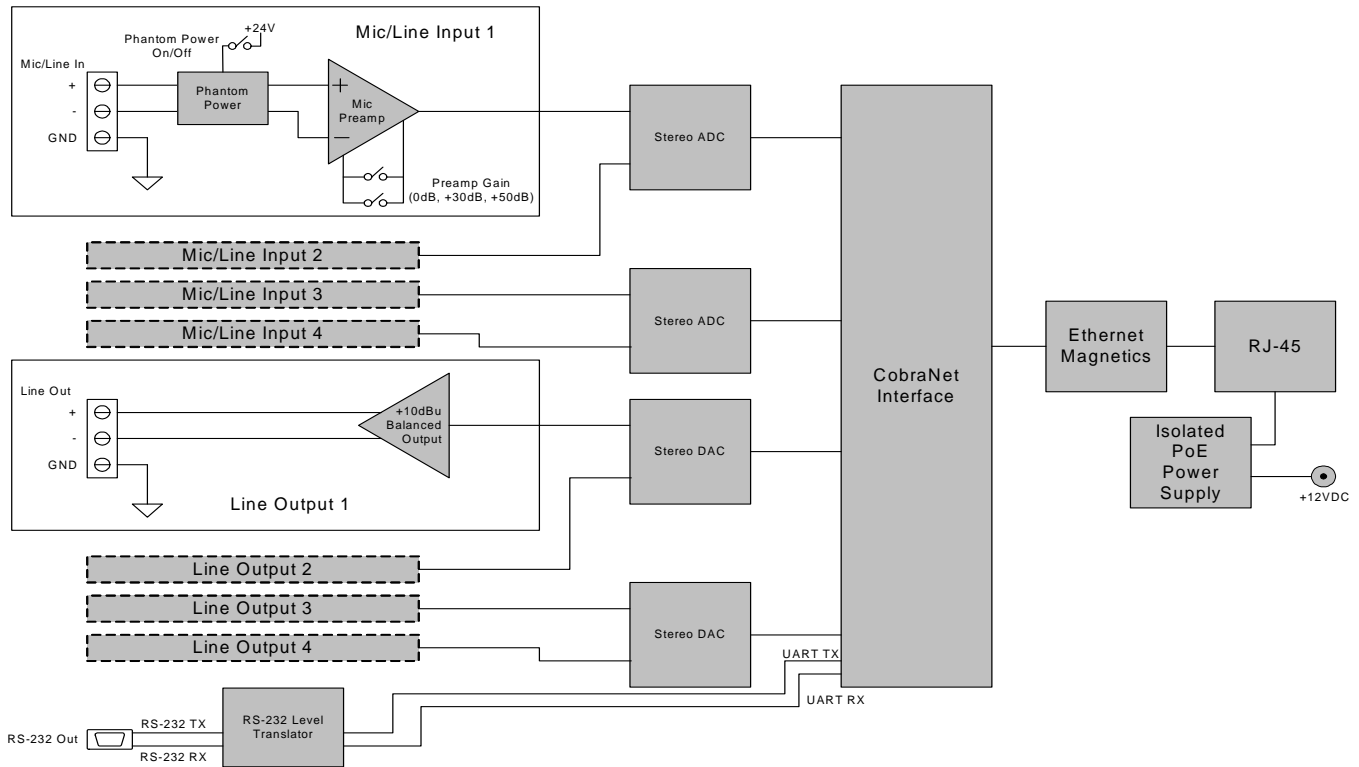
- Adding additional inputs or outputs to an existing CobraNet® system
- Complete small to medium systems
- OEM applications with custom DSP processing

ABOUT ATTEROTECH

Atterotech is a leading provider of CobraNet® audio interfaces. These innovative networked audio products make it cost effective for audio installations to include CobraNet®. Atterotech is headquartered in Fort Wayne, Indiana. Contact us at:

260.496.9668

www.atterotech.com



SPECIFICATIONS

Mic/Line Input Type:	Balanced and RF Filtered XLR/TRS
Phantom Power:	+12 V, switchable
Input Impedance:	>1.5 k Ω at any gain setting
Mic Gain:	0 dB, +30 dB, +50 dB
EIN (Mic mode):	-127 dBu (+50 dB gain)
Maximum Input Levels:	+9 dBu @ 0 dB gain, -23 dBu @ +30 dB gain, -42 dBu @ +50 dB gain
Output Type:	Balanced with a automatic muting upon loss of CobraNet signal
Output Impedance:	200 Ω balanced 100 Ω unbalanced
Noise:	< -86 dBu @ 0 dB gain
Maximum Output Level:	+ 10 dBu
System THD:	< 0.1% at any gain, inputs signal 3 dB below maximum
Phantom Power:	+12 V (selectable per channel)
Serial Bridge RS-232:	RX, TX, and ground at standard RS-232 levels
PoE Class:	Class 2 802.3af PoE PD Compliant
Power Consumption:	11 W
Dimensions:	1.5"H x 7.25"W x 6.5"D
Operating Temperature:	0 $^{\circ}$ C - 40 $^{\circ}$ C

ARCHITECTS & ENGINEERS SPECS

The CobraNet[®] interface unit shall provide four mic/line analog inputs on rear panel pluggable 3-pin barrier strips. Selectable gain of 0dB, +30dB, +50dB, and +12V phantom power shall be provided on rear panel DIP switches for each analog input channel. The internal analog to digital signal conversion shall be performed at 16-, 20-, or 24-bit resolution with a sampling frequency of 48kHz. Eight channels of CobraNet[®] inputs and eight channels of CobraNet[®] outputs are supplied via the rear panel RJ-45 connector. Four channels of balanced line-level outputs shall be provided on the rear panel pluggable barrier strips. Interface power shall be provided by either an 802.3af compliant PoE network switch or a +12VDC external power source.

The CobraNet[®] interface shall provide DSP capabilities for independent channel gain, equalization, and compression on all four local input channels. Each local output channel shall have DSP output limiting capabilities. The DSP shall also provide a fully configurable 12-input, 12-output matrix mixer with an input from a configurable sine wave generator.

The CobraNet[®] interface shall be compatible with Attero Tech Control Center software for flexible control and monitoring in system applications. The CobraNet[®] interface shall include a UL listed power source. The CobraNet[®] interface shall be compliant with RoHS directive.

The CobraNet[®] interface shall be the Attero Tech VoiceBox 4 I/OP.