

InBox R8 Overview

The InBox R8 CobraNet Audio Input Interface is a cost effective eight input, line level wall box. The R8 features eight unbalanced RCA inputs, which can be used as either eight mono inputs or four stereo inputs. The R8 is designed to fit into most dual gang junction boxes and is PoE enabled, so all connectivity (both power and audio data) to the R8 is provided by a single CAT-5 cable.

Applications

Convenient, wall mounted line level input drops for:

- Hotel ballrooms
- Conference/meeting centers
- Conference rooms
- Sports facilities
- Convention centers
- Health clubs
- Restaurants and Bars

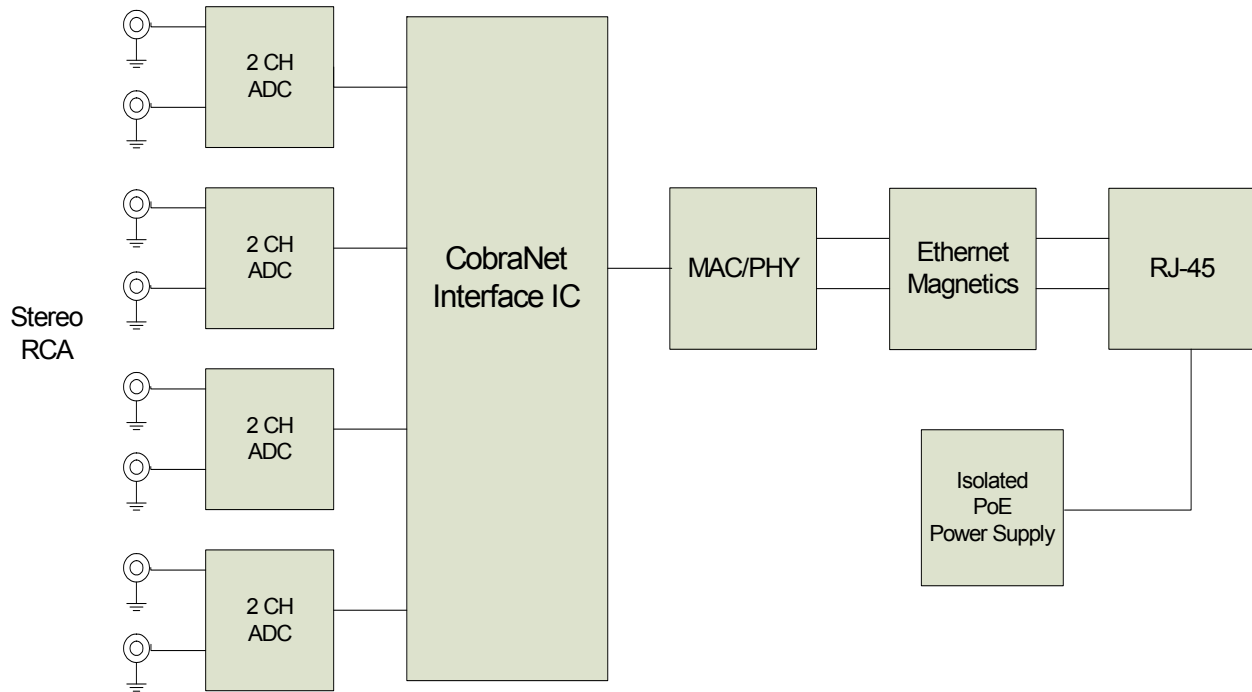
Features

- Eight unbalanced RCA input connectors
- Mounts in a standard dual gang junction box
- RCA inputs may be used in mono mode (8 in) or in stereo mode (4 in)
- PoE powered from a standard PoE network switch
- Enclosure size is 3.60"W x 2.75"H x 1.88"D (excluding projections – See User Manual for complete mechanical details)



CobraNet[®] is a registered trademark of Cirrus Logic, Inc.

InBox R8 Block Diagram



Specifications in Brief:

Line Input Type:	Unbalanced
Maximum Input Level:	+8 dbu without clipping
Input Impedance:	10 kΩ
Frequency Response:	20 Hz - 20 kHz, +/- 1 dB
System THD:	<0.05 %, 1 kHz, 3 dB below input clipping
Inputs:	8 RCA inputs
PoE Class:	Class 2 802.3af PoE PD Compliant
Power Consumption:	4 W
Dimensions:	3.60"W x 2.75"H x 1.88"D (excluding projections - See User Manual for complete mechanical details)
Operating Temperature:	0 °C - 40 °C

Architects & Engineering Specification

The CobraNet interface unit shall provide eight line level analog inputs on the front panel with RCA connectors. The internal analog to digital signal conversion shall be performed at 24-bit resolution with a sampling frequency of 48 kHz or 96 kHz. The CobraNet interface unit shall receive power over the Ethernet cable from an 802.3af PoE compliant network switch. The CobraNet interface shall be wall mounted in a standard dual gang junction box.

The CobraNet interface shall be compatible with Atterotech Control Center software for flexible control and monitoring in system applications. The CobraNet interface shall be compliant with the RoHS directive.

The CobraNet interface shall be the Atterotech InBox R8.