

OutBox R8 Overview

The OutBox R8 CobraNet Audio Output Interface is a cost effective eight output, line level wall box. The R8 features eight unbalanced RCA outputs, which can be used as either eight mono outputs or four stereo outputs. 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 output drops for:

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

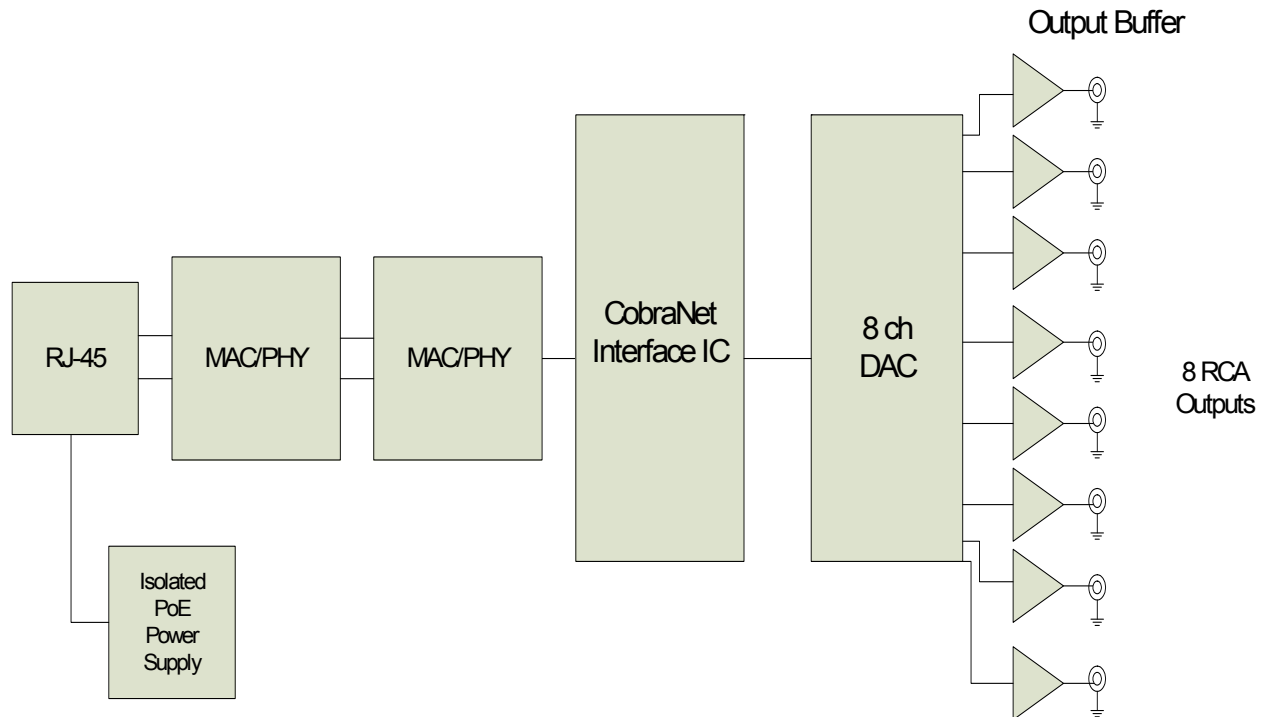
Features

- Eight unbalanced RCA output connectors
- Mounts in a standard dual gang junction box
- RCA outputs may be used in mono mode (8 out) or in stereo mode (4 out)
- 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)



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OutBox R8 Block Diagram



Specifications in Brief:

Line Output Type:	Unbalanced
Maximum Output Level:	$\geq +4$ dBu
Output Impedance:	680 Ω
Noise:	-83 dBu
Frequency Response:	20 Hz - 20 kHz, ± 1 dB with a 100 k Ω load impedance
System THD:	< 0.05 %, 1 kHz, 3 dB below DAC full scale
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 & Engineers Specification

The CobraNet interface unit shall provide eight single-ended outputs on the front panel with RCA connectors. The internal digital to analog 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 Attero Tech Control Center software for flexible control and monitoring in system applications. The CobraNet interface shall be compliant with the RoHS standard.

The CobraNet interface shall be the Attero Tech OutBox R8.