

MatchBox USB Overview

Multi-media PCs are becoming more important as media sources, not only in home settings, but in a variety of commercial audio installation settings as well. The MatchBox USB is a cost-effective general purpose solution for direct integration of media PC audio streams into and/or back from a CobraNet-based system. The MatchBox USB appears to the PC as a USB Sound Card and can be configured for 8 channels of audio in various input and output modes.

Applications

- Adding additional inputs or outputs to an existing CobraNet system
- PC driven audio to speaker systems for auditoriums, convention centers, meeting venues, seminars, etc.
- Ability to record audio onto PC to capture meeting notes, seminar audio, etc.

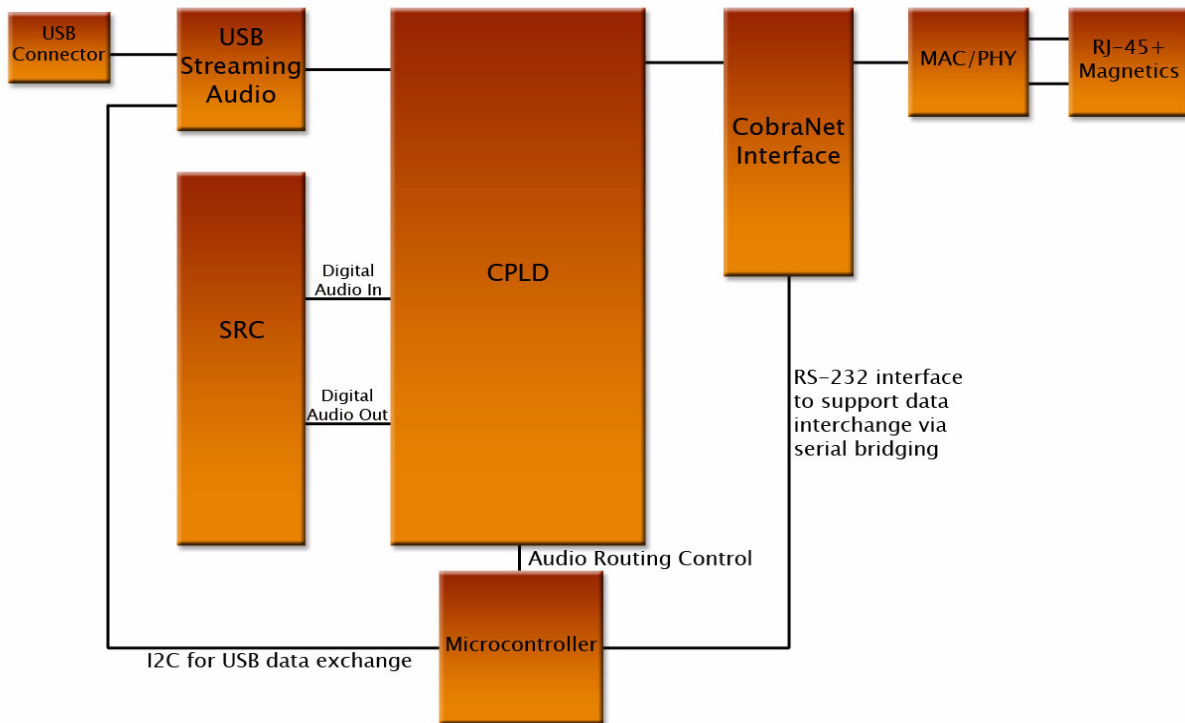
Features

- Full CobraNet connectivity in a half-rack format
- USB Plug-n-Play installation, Full Speed (12.1 Megabits/sec) communication
- Fully compliant with USB Audio 1.0 Standards
- Ability to route:
 - 8 audio channels from the PC onto a CobraNet network in 4 stereo pairs
 - 6 audio channels from the PC onto a CobraNet network in 3 stereo pairs and 2 audio channels from the CobraNet network into the PC in 1 stereo pair
 - 4 audio channels from the PC onto a CobraNet network in 2 stereo pairs and 4 audio channels from the CobraNet network into the PC in 2 stereo pairs
- Compatible with most standard PC audio applications (e.g. Media Player, Winamp, Sound Recorder, etc.)
- Enclosure size is 1.5"H x 7.25"W x 6.5"D

MatchBox USB Front and Rear Panels



MatchBox USB Block Diagram



Specifications in Brief:

Connection Types:	USB – Type B, RJ-45
Max # of Output Channels:	8*
Max # of Input Channels:	6*
Power Consumption:	5 Watts maximum @ 9VDC
Dimensions:	1.7" H x 7.5" W x 6.6" D

Architects & Engineers Specification

The CobraNet interface unit shall provide a USB interface to a PC, over which eight channels of digital audio may be transmitted or received. Eight channels of CobraNet inputs and eight channels of CobraNet outputs are supplied via the rear panel RJ-45 connector. The CobraNet interface shall provide the option to select the number of audio channels used as outputs or inputs from the PC using a small dedicated setup application.

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 the RoHS directive.

The CobraNet interface shall be the Attero Tech MatchBox USB.

*Maximum number of combined input and output channels cannot exceed 8.