

# A&E

## SPECIFICATIONS

The CobraNet® interface shall provide 2 analog Line level output channels that can be routed from up to 8 CobraNet input channels (network audio streams) on any of 8 Cobranet Bundle Receivers. The CobraNet interface shall provide the following analog features...

- Dual unbalanced RCA outputs (mono source) with a -8dBu (nominal)/+12dBu (peak), 10k ohm output stage for each channel
- Single balanced (true differential topology) XLR3 (M) output with a +4dBu (nom)/+22dBu (peak), 600 ohm output stage for each channel
- XLR3 (M) connector shall be 'latchless' to minimize mechanical damage to the cobranet interface.
- Each XLR3 (M) output shall be the same mono source as the RCA outputs.
- Each output channel gain shall be adjustable over 12dB in 3 steps, ie, -8dBu (nom)/+12dBu (peak), -6dBu nominal/+18dbu (peak) and +4dBu (nominal)/+22dBu (peak) via a front panel mounted slide switch. The slide switch shall be recessed to avoid damage and use a 3 position LED display to indicate gain position.

The CobraNet interface shall provide a 100baseTx CobraNet port, allowing for any 2 of 8 simultaneous audio streams to be sourced from the network and routed to the 2 analog outputs. The CobraNet audio traffic shall be completely configurable via SNMP, including the following...

- Bundle address and priority.
- Bundle channel count.
- CobraNet latency of 1.33, 2.67 & 5.33 milliseconds.
- CobraNet sample rate of 48kHz or 96kHz.

The CobraNet interface shall provide 115MIPS of digital signal processing (DSP), where the CobraNet input channels shall route through an 8x2 input mixer to a pair of processing side chains. Each side chain shall provide an 8 band parametric equalizer, high pass, low pass filters and a compressor.

The CobraNet interface shall be wall or floor mounted and available in tooled options to suit either USA "Decora®", EU "Schuko®" or UK "Euro" styles of decorative faceplate (to match the interior design or architectural requirements). The CobraNet interface rear PCB assembly shall be no more than 85mm wide, 70mm high and 45mm deep to suit standard 2 gang US J-Box, or equivalent 2 gang Schuko® or UK backboxes.

The CobraNet interface shall be powered from an Ethernet switch using Power over Ethernet (PoE) technology.