WHIRLWIND ANALOG BOARD

WHIRLWIND DIGITAL BOARD

PEAK AUDIO CM-1 BOARD

ETHERNET
RJ CONNECTOR
8 INPUTS AND 8 OUTPUTS PLUS
REMOTE LEVELS CONTROLLED VIA SNMP TOOLS

1 OF 8 INPUT CHANNELS
-40 TO +62 dBm OF GAIN

3 dB HEADROOM

MIC 32 dB GAIN
LINE 0 dB GAIN

CLIP

RED
GREEN

30 dB HEADROOM

MICPRE

VCA

+
-

PHANTOM ON/OFF

+48 V

-40 TO +30
dB RANGE

VC1

8

1 OF 8
CS5360
A TO D

1

8

SDATA

1 OF 4

LRCK
SCLK
MCLK
RST
FRAME

TIMING HARDWARE

TX+
TX-
RX+
RX-
+48VDC
+48VDC
GND
GND

TX+
TX-
RX+
RX-
+48VDC
+48VDC
GND
GND

8 TTL OUT

8 VC OUT

MIC ENABLE
CIRCUITS (8)

OCTAL D/A 8 BIT

SERIAL INTERFACE

+5V

16 POSITION BINARY ROTARY

PRIMARY 1

NETWORK ADDRESS

GRN:LINK
RED:FAULT
GRN: IN USE
ORNG:CONDUCTOR

MIRCOCONTROLLER

RJ
INSIDE UNIT
RJ
ON FRONT

OPTIONAL REMOTES (8 MAX)

SINGLE CHANNEL WALL REMOTE
LEVEL MIC/LINE
MIC
LINE

MULTI CHANNEL WALL REMOTE
CHANNEL LEVEL MIC/LINE
3 4 5
2   6 7
1   8
MIC
LINE

OPTIONAL REMOTES (8 MAX)

AUX POWER PINS

1 OF 8 OUTPUT CHANNELS

RED CLIP
CLIP
GREEN SIG PRES

CONTROL OF MIC PRE'S
CHANNEL
3 4 5 6
2   7
1   8
LEVEL MIC/LINE LOCAL/REMOTE
MIC   LOCAL
LINE   REMOTE

MULTI CHANNEL TABLETOP REMOTE
CHANNEL LEVEL MIC/LINE LOCAL/REMOTE
3 4 5
2   6 7
1   8
MIC   LOCAL
LINE   REMOTE

1

8

HOST PORT OF COBRANET BOARD

SDATA

1 OF 4

1 OF 8 CHANNELS
CS 4391

D TO A

1

8

SCLK
LRCK
MCLK

TIMING HARDWARE

+5V IN
+3.3V IN
GND
+48 V OUT
GND

+12VDC
-12VDC
GND

GND

+48VDC

48 VDC TO + AND - 15 VDC SWITCHER

+5V
3.3V

GND

+48 VDC TO 5 AND
3.3 V SWITCHER

DIP SWITCHES
REMOTE ENABLE
REMOTE ADDRESSING 1
REMOTE ADDRESSING 2
LOCAL REMOTE ENABLE
FRONT PANEL ENABLE
20 BIT OR 24 BIT
CHANNEL LINKING 1
CHANNEL LINKING 2

WHIRLWIND
DCS88 BLOCK DIAGRAM
1-15-3