

Signal Processors



VCM-88 VCA MATRIXING LEVEL CONTROLLER



RD-8, RW-8 REMOTE CONTROL



RD-8 RACKMOUNT



The VCM-88 provides eight fully-independent VCA channels in a single rack unit capable of limiting, remote level control, and mixing. It is designed for installations such as houses of worship, boardrooms, nightclubs, or any place remote control of individual levels is required. By itself, the VCM-88 functions as a precise eight-channel limiter with recessed threshold adjustments on each channel.

Control is accomplished by Ashly's RD-8 or RW-8 remote controllers, RS-232 control using Ashly's Protea System Software, Crestron or AMX touchscreen controllers, MIDI, or DC control using external potentiometers.

When connected to the Ashly RD-8 Remote Controller or DC control, the VCM-88 adjusts individual channel and master levels with a range of -75dB to +20dB. Each VCA channel has separate input and output jacks for patching into line-level signal paths, and can be reconfigured to use single jack TRS insertion for patching into mixing consoles. In addition to setting and controlling the VCM-88 from the front panel, a dedicated RS-232 computer interface and full MIDI implementation is also provided.

Internal switching allows you to patch channels for signal routing and matrixing and select channel pass-through for cascading multiple units in parallel. The VCM-88 also has a master output jack providing a summed output of all channels, allowing the unit to function as a fully-contained eight-channel remote controlled line-level mixer.

FEATURES:

- Eight Channels of Remote Level Control
- RS-232 Interface Connector
- MIDI In and Thru
- PC Control Using Protea System Software
- Digital Control over a Single XLR Mic or Snake Line
- AMX Compatible NetLinx Control
- Internal Channel Patching for Flexible Signal Routing and Matrixing
- Internal Selection of Crestron, AMX, MIDI, or RS-232 Protocol
- Internal Channel Passthrough for Cascading
- Multiple Units in Parallel
- Signal Present LEDs on each channel
- RD-8, RW-8 Compatible
- Works With Any Mixer with Channel Insert Points
- Master Sum Output Jack
- +20dB to -75dB Level Control
- Individual Limiter Threshold Adjustment for Each Channel

VCM SPECIFICATIONS:

Input impedance: 20k Ohm balanced, 10k Ohm unbalanced
 Max. Input level: +23dB
 Output impedance: 200 ohm pseudo-balanced, 100 ohm unbalanced
 Max. output level: +22dBu
 Nominal gain: 0dB
 Gain range: +20dB to -75dB

Frequency response: ± 0.2dB, 20Hz-20kHz
 THD: <0.01% @ 0dBu, 1kHz; <0.15% @ +20dBu, 20Hz-20kHz
 Output hum and noise: <-94dBu, 20Hz-20kHz unweighted
 Crosstalk: <-80dB @ 20Hz-20kHz

Connectors: 1/4" TRS

Limiter threshold range: -23dBu to +22dBu
 Limiter compression ratio: 10:1
 Data input type: 9-pin female D-Sub connector
 Data format: RS-232 using Protea System Software
 Data format XLR: 2Vp raised cosine, RS-232 or RS-422
 1-start, 9-data, 1 stop bits @ 4800 baud
 DC control input type: 15-pin female D-Sub connector
 DC control voltage: -4V to +15V provided for external 10k Ohm potentiometers

Power requirements: 95-125VAC, 50-60Hz, 18W (240V available)
 Shipping weight: 9 lbs
 Dimensions: 19" L x 1.75" H x 6" D

RD-8 SPECIFICATIONS:

Fader range: +10dB to -75dB (master fader @ 0dB)
 Data/power connector: Male XLR jack
 Max. data cable length: 1500 ft (24 ga, twisted pair)
 Data format: 4800 baud, 2 Vp raised cosine
 Data crosstalk to audio: <-120dB along 1000 ft of 150 Ω shielded cable
 Size: 7.5" L x 3.5" H x 1.75" D



Protea System Software (pictured above) can be used to control the VCM 88.

Both the RW-8 and the RD-8 remote control units can be used to control the VCM-88. Additionally, two RD-8s can be mounted in a single rack-space unit. With their dual (top and back) XLR jacks, they can be used just as easily in a rack as they can when freestanding.

