

Product Data

CR-MAX Multiplexed Active Filter



Description The CR-MAX optimizes the performance of hydrophones and hydrophone array systems by incorporating eight selectable high-pass and eight low-pass 12dB or 24dB per octave filters for each channel. A built-in 80Hz high-pass “rumble filter” is used to further reduce the cable noise. Gain is adjusted by a 0-40dB variable control. All of this leads to an excellent signal to noise ratio.

The CR-MAX comes with Cannon output connectors, Buccaneer water proof input connectors and standard 6.5mm jack socket for headphones.

USES:

- Detection of marine vocalizations
- Cetaceans research
- Hydrophone & Array systems
- Underwater Film making

FEATURES:

- Low noise
- Single & Dual channel
- Two line output & direct outputs per channel
- Up to 32 preset filters per channel
- 80Hz highpass rumble filter
- Headphone 6.5mm jack socket
- 12-24volt DC

SPECIFICATIONS:

Gain:	0 – 40dB variable	
Frequency Response:	7Hz to 450kHz \pm 3dB	
Input impedance:	1k ohms nominal (High impedance & low impedance balanced, available)	
Outputs:	2 x Cannon XLR for line out	600 ohm min, 0dBm
	1 x Cannon XLR for direct out	600 ohm min, 0dBm
	1 x Phono 6.5mm jack for headphones (with separate volume control)	4 ohm min
Highpass gain filter	80Hz 6dB/oct within input gain stage. Rumble filter	
Highpass:	8 x 12/24dB per octave cards.	Preset from 100Hz to 400kHz
Lowpass:	8 x 12/24dB per octave cards.	Preset from 100Hz to 400kHz
Earth lift:	Input is switchable. Line/Direct outputs have isolated earth. This assures no earth loops.	
Voltage:	12 to 24volts DC (single supply)	
Current:	250mA	
Operating temp:	0°C to 55°C	
Dimensions:	Standard 2 unit ½ rack mount size	

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