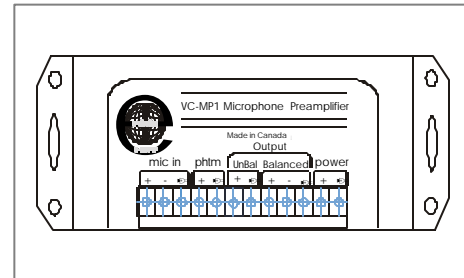


### Model VC-MP1 Microphone Pre-Amplifier

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- ??A single-channel microphone pre-amplifier.
- ??Balanced and Unbalanced inputs and outputs.
- ??Phantom Power.
- ??Converts High or Lo impedance Mic input to line output.
- ??True DC amplification.
- ???Adjustable output level.
- ?? Built in Surge protection regulates the dc power.



**APPLICATION:** The VC-MP1 is part of a group of products in the contractor series from e-design by Veltronic. The VC-MP1 gives you the advantages of high quality low noise mic preamp, Hi or Lo impedance mic input conversion to line level, with phantom power and adjustable output level. The VC-MP1 has both a high impedance unbalance output and a Lo impedance balanced output which can be used simultaneously. An *instrumentation type* input stage that will amplify the differential input, regardless of ground reference. The output is capable of driving into either high or low impedance loads. And the both balanced and unbalanced output may be connected simultaneously to drive two devices. The VC-MP1 features superior circuitry that produces the unsurpassed pure clarity for which Veltronic products are known!

Some features are:

- ??Functions as an electronic microphone pre-amplifier with isolation and gain adjustment
- ??Impeccable audio quality
- ??Ultra-low distortion and noise
- ??Output level adjustable for all ranges of conversion between -10 dBu and +4dBu signals.
- ??Ample headroom at operating level
- ??Full operation in either high or low impedance circuits
- ??Outputs short-circuit protected.
- ??Positive connections via barrier block - no audio connectors to wire

A simple microphone pre-amplifier with line level output, ideal for balanced and unbalanced microphones, dynamic or condenser, high and low impedances, the VC-MP1 is a simple, no-compromise, cost-effective solution! Comes supplied with 1 strip of double-sided tape, 1 set of adhesive quick mount strips, 4 tapered machine screws as mounting hardware.

#### TYPICAL PERFORMANCE

- Gain :Balanced output 0 dB to +65 dB  
Unbalanced output 0 dB to +7 dB
- Headroom : >20 dB
- Supply Input : 24 to 33 Vdc @ 50 mA Floating Vdc (external supply).
- Dimensions :Height: 1. in., Depth: 2 in, Width: 4.00 in. (5.00 in. including mounting tab)
- Input (1) : 150 to 600 $\Omega$  balanced or 10 k $\Omega$  unbalanced.
- Outputs (1) : 10k $\Omega$  unbalanced (to drive unbalanced lines.)
- Outputs (2) : 200 $\Omega$  balanced (to drive low or high impedance.)
- THD+N : <0.050% (Typical 0.020% @ 1 kHz)
- Freq. Response: 10 Hz to 20 kHz (+/- 0.25 dB)
- Noise below +4dBu: <75 dB
- CMRR: >50 dB at full gain (100 Hz).