

# CARL MARTIN



## Manual

Carl Martin "3 Band Parametric Pre-Amp" is developed with special reference to all those musicians who play ACOUSTIC GUITAR,- VIOLIN,- ACCORDION,- DOUBLE BASS and other acoustic instruments with built in Piezo element pick-ups. These musicians often prefer to use combo-amps, and therefore don't find the use of 19" rack equipment possible.

Practice has shown that these instruments often require high quality EQ options and Balanced line-drive, therefore we have integrated those features in handy foot switched device.

To gain maximum EQ options we found it necessary to create a high quality 3 Band semi parametric EQ, this construction is also found very useful to CREATIVE SOUND MAKING for ELECTRIC GUITAR,- BASS, and other electronic instruments, as well as direct studio recordings.

The "3 Band Parametric Pre-Amp" is also very usefull as an analogue pre-amp for home harddisc recording.

Carls advice how to simplest and the best way operate a parametric EQ:

Say you want to change the tone in the middle, the best way to locate the frequency you need changing, is simply to turn up the Level knob in the Middle section, then tweak back and forth the Middle Freq knob till you find the note you're looking for, then either turn up or down all depending on you needs, likewise you do with the Bass & Treble. With a little practice you find this method very easy and convenient.

Piece of advise; If using the 3 Band Parametric Pre-Amp in a acoustic instrument, to avoid feed back while tweaking the knobs, make sure not to play too loud.

Please notice! the line out is a true line level output for line input on mixing desk's or to recording direct on tape.

The "3 Band Parametric Pre-Amp" has a built-in regulated power supply, Which enables us to use components of the highest quality.

### Power Requirements

**Unit's built after January 2016** comes with the innovative Carl Martin DC/DC circuitry that delivers internally +-12V regulated.

Power consumption: max. 90 mA

Power supply: 9 V DC (regulated), 120 mA minimum, 2.1 mm female plug, center negative (-)

PLEASE NOTICE: It's not possible to use battery, only external power supply (not included)

ATTENTION: Please Use DC Power Supply Only!

Failure to do so may damage the unit and void the warranty.

**Unit's built before January 2016** comes with a built in mains power supply either in 100 or 115 or 230 VAC 50/60 Hz, that deliver internally +-12V regulated Power consumption: 2,4Watts.

PLEASE NOTICE: If purchased in USA (115V) it cannot be used in country's where 230V is used, you will burn the built in transformer.

### Specifications

Input..... 1M Ohm  
Output..... 600 Ohm  
S/N Ratio..... 80 dB (clean out)  
Frequency Responce..... 1Hz-200kHz  
Balanced Output..... +18dB 200 Ohm  
Level..... +-15dB

Bass..... +-15dB 20-500Hz, 6dB Oct.  
Middle..... +-15dB 220Hz-5,1kHz, 6dB Oct.  
Treble..... +15dB 1,5-16kHz, 6dB Oct.  
Dimensions ..... 120 (W) x 95 (D) x 77 (H) mm  
4,72" (W) x 3,74" (D) x 3,02" (H)  
Weight..... 625g / 1,38lbs

**Warranty:** Carl Martin Research warrants the manufacturing, material and proper operation for a period of one year from date of purchase. Carl Martin will replace defective parts, make necessary repairs or replace the unit at the discession of our technicians. The warranty applies only to the original purchaser of this product, and excludes any damage or faulty operation resulting from misuse, neglect or unauthorized service.

HandMade in Denmark

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