

V250 Parametric EQ User's Guide



Q

Available on HMF and LMF, controls the sharpness of the peak or dip for the band. Continuously variable from 0.4 (widest Q, counter-clockwise) to 4.0 (sharpest Q, clockwise).

Boost/cut

The Boost/cut knob controls the amount of gain or attenuation for each band. Available on all 4 channels with up to 12dB boost/cut, continuously variable.



Bell

A pushbutton available on HF and LF bands. When the light is on, the band will work as a normal parametric band. When the light is off, the band is in shelf mode.

EQ In

Pushbutton that turns on/off the V250. The V250 is bypassed when the light is off, and is engaged when the light is on.

Frequency

Determines the center frequency for each band. Frequency ranges differ for the bands to accommodate maximum flexibility, and are continuously variable. The ring of numerical markings denotes center frequency in concert with the pointer.

Thanks for creating with V250 Parametric EQ.

V250 is a compact version of the legendary Sontec MEP-250, with 1 channel & 4 bands, plus shelving option on air and sub bands. We brought that effective, precise, natural, and transparent EQ fashion to an adorable interface, so that everyone can give it a try.

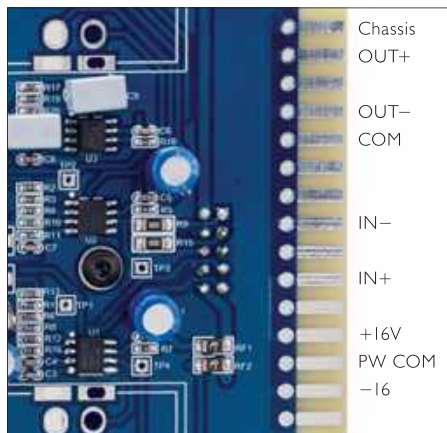
In many cases, we didn't realise a sound could be better until V250 is on. We use 2 V250 units in our commercial studio to handle additional clean-ups beyond the HVC250 (which is our full version of Sontec revive). It is capable of giving clarity to acoustic and vocals, helping reach their full potential without sounding engineered.



Specifications

Frequency range	20Hz - 20kHz
SNR	-83dBV
Form factor	Single channel, 4 bands: fully parametric
LF	15Hz - 800Hz Bell or shelf 12dB boost/cut
LMF	25Hz - 860Hz Q: 0.4 - 4 12dB boost/cut
HMF	1kHz - 25kHz Q: 0.4 - 4 12dB boost/cut
HF	1kHz - 25kHz Bell or shelf 12dB boost/cut
Distortion (left & right channel off)	0.0029%
Distortion (left & right channel on)	0.0085% (20-20kHz)
Chassis size (H×W×D) 6.7" (169mm) × 5.2" (133mm) × 1.5" (37.7mm)	
Panel Size (H×W)	5.2" (133mm) × 1.5" (37.7mm)

Connectors



Compatibility

The V250 is a module to be installed into an API 500 series compatible rack frame (not included). It needs the power supply and the audio connectors provided by this frame and does not function stand alone.

The current consumption is 115 milliamperes at ± 16 volts DC. The V250 meets all mechanical and electronic specifications of the VPR Alliance, providing the highest level of compatibility with common 500 series rack frames.

Installation

Just follow these easy steps to install your V250:

1. Switch your API 500 series compatible rack off and disconnect the power cable from mains.
2. Insert the module into a free slot on your rack. Make sure the PCB connector matches with the rack connector.
3. Gently push the module in place - do not use any extensive force.
4. Tighten the front panel with two screws provided by your rack manufacturer.
5. Connect your audio cables and apply power to your rack.

Precautions



CAUTION: Electricity

- Make sure to operate your API 500 series compatible rack at the specific mains voltage of your country.
- Replace rack frame fuse with the same type and value only.
- Your rack frame must be connected to ground.
- Do not use a damaged power cord.
- Never place containers with liquid on the rack.
- Do not expose this device to rain or moisture.
- Do not use this device near water.
- Refer service to qualified service staff only.



CAUTION: Temperature

- Surfaces of the device may become hot during operation.
- Do not install this device near any heat source such as radiators, stoves or other heat sources.
- If this device is moved from a cold place to a warm room, condensation can occur inside the device. To avoid damaging the unit, please allow it to reach room temperature before switching it on.



CAUTION: Connecting & Mounting

- Never connect to the output of a power amplifier.
- Do not apply extensive force when installing this device.
- Use the device according to this guide only.



Email: store@zhdesigns.audio

Web: www.zhdesigns.audio

© Z&H DESIGNS LTD | All Rights Reserved.
We craft gear, you craft sound.

Z&H DESIGNS LTD
SUITE 1887 61 BRIDGE STREET
KINGTON
UNITED KINGDOM HR5 3DJ