

VXi: Graphic Equalization

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The VXi amplifiers allow signal adjustment through 10-band graphic equalizers. Graphic equalizers are familiar to most audio enthusiasts and allow for a boost or cut in amplitude at fixed, equally spaced frequencies, with a constant "Q" for each filter.

While not as flexible as Parametric Equalization, the 10-band graphic equalizers allow for quick tuning and are more than sufficient for many systems.


Depending on the routing of the signal path that was set in the input mixer, a 10-band graphic equalizer is available for each output channel (plus one for each pre-out) for flexibility. Sliders are used to boost or cut the amplitude at ISO octave center frequencies: 31 Hz, 63Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 2 kHz, 4 kHz, 8kHz and 16 kHz. Up to 6 db of boost or 12 db of cut can be applied to each band.

GRAPHIC EQ CONTROLS:

All Reset: Resets all EQ bands to their default values

All Off/On: Temporarily defeats/turns on all EQ bands

EQ Select: Select an EQ to adjust from the pull-down menu (Linked EQ's are shown as pairs).

 **EQ Link:** Allows Left and Right EQ Banks to be linked and adjusted together, with identical settings. When linked, they will display on one EQ graph.

Numerical Entry of Gain values: Gain is the amount of amplitude boost or cut applied through the selected EQ filter, expressed in decibels and adjustable from +6 dB to -12 dB. Default value is 0 dB.

You can directly enter numerical Gain values for EQ adjustment. Use the up/down arrow icons in each field for incremental adjustment. Holding the Shift-Key down while clicking the arrows results in finer resolution.



Manual EQ adjustment on the display graph : The Graphic EQ uses familiar "slider" control graphics. These can be directly selected and moved using the mouse/touchpad. The resulting value changes will also be reflected in the EQ numerical entry fields.

- Left Click and Hold, then Drag Up/Down for Boost/Cut
- Control+Left Click to select multiple EQ bands. These can then be adjusted together.

EQ adjustment with Arrow Keys : You can also select EQ slider(s) with your mouse/trackpad, and then make adjustments using the arrow keys on your keyboard. Finer adjustments steps can be achieved by using the SHIFT key, in conjunction with the arrow keys.

Keyboard commands:

- Up/Down Arrows: Boost/Cut
- Control+Left Click to select and adjust multiple EQ bands.



Individual Band Defeat: Individual EQ bands can be defeated (turned off), by clicking the icon located to the right of the numerical entry fields. To re-engage them, click the icon again.



Dual or Single EQ Bank Views: These icons allow you to choose whether to display one or two EQ display graphs on the screen. This way you can work on two EQ banks at once, or just focus on one with better resolution. Please note that linked EQs are always displayed together, on one display graph.



Graphic or Parametric EQ Modes: These icons allow you to switch between Graphic and Parametric EQ modes when in the Advanced or Expert Project Levels.

IMPORTANT: You may switch from Graphic to Parametric mode without losing any settings, but switching from Parametric to Graphic mode RESETS the preset's EQ banks to default (flat) settings.