



AURORA AUDIO LLC

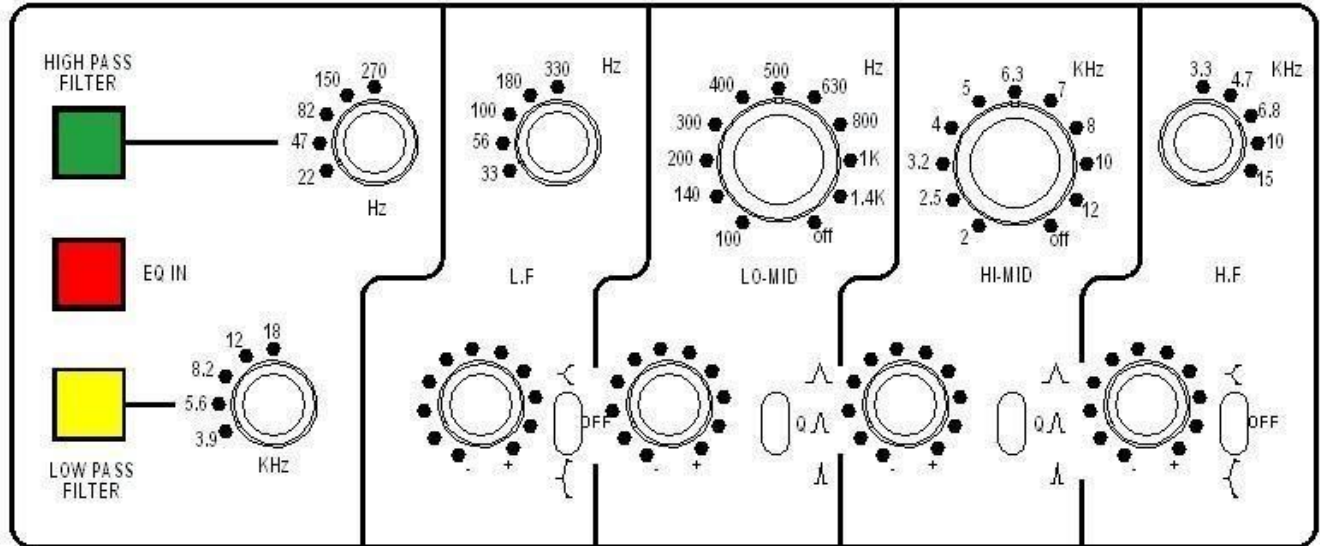
P.O. Box 641 Vacaville, CA 95696

Phone: +1 (818) 740-9530

Email: support@auroraaudiollc.com

Website: <https://auroraaudiollc.com/>

Aurora Audio 2 Channel, 4 Band, Equalizer



Congratulations on purchasing the new, all discrete transistor Class A circuitry, four band equalizer.

This unit, unlike its eight channel sibling, is a stand-alone, ac powered device with transformer balanced inputs and outputs.

The equalizers are nominally unity gain and the equalizer section is engaged by pressing the red switch. The high pass and low pass filters will only work with the EQ button selected.

The low and high frequency controls can be switched out by putting their toggle switch in the center position or by simply centering the potentiometer. The two mid frequency controls are switched out by rotating the knobs fully clockwise.

The toggle switch on the high and low frequency sections of the equalizer provide two degrees of boost and cut, a narrow range on the left provides around 8dB cut and boost

while a coarse range provides around 18dB cut and boost. This enables delicate adjustments of the controls.

The toggle switches on the two mid frequency sections of the equalizer provide three degrees of Q adjustment... from a very broad bell in the left position to a narrow one with the switch to the right.

The mid frequency controls have a great deal of cut and boost, especially in the broad Q setting. With the controls fully rotated you can get well over ± 20 dB range... which can be handy if you want to substantially cut a signal, but in boost mode, you would need to watch the headroom and stability especially if other EQ controls are boosting.

I recommend using the mid controls very gently until their range and power is fully assimilated because with over 20dB boost in each mid and a further 18dB in the high frequency, the substantial gains of two or more controls fully clockwise will cause oscillation as the unit's adequate 26dB headroom will be exceeded by an enormous margin.

I further recommend starting with the mid frequency switches set to wide (up) and the HF and LF set to large (down) as a starting point of using the equalizer.

There is a substantial overlap of frequency choices between the low frequency and lowmid (330Hz max LF, 100Hz min Lo-Mid), and the same between the high frequency and high-mid (HF starts at 3.3KHz, Hi-Mid starts at 2KHz). This offers a lot of combinations of frequency compensation in the same frequency bands.

With the high-pass and low-pass filters set to 270Hz and 3.9KHz, a reasonable representation of a telephone conversation can be set up, especially if the high frequency control attenuates at 3.3KHz and the low frequency attenuates at 330Hz to further attenuate the extremes.

Warranty: ONE YEAR PARTS AND LABOR LIMITED WARRANTY

Aurora Audio LLC warrants this unit against defects in workmanship for a period of one year and parts for a period of one year from receipt by the original end user. This

warranty shall not apply to damage resulting from misuse including water damage, in-transit damage, fire damage, improper maintenance, dropping the unit and operation or storage outside the environmental specification for the product.

Do not try to repair this unit. Only qualified Aurora Audio LLC technicians are authorized to repair this unit. **WARRANTY VOID IF CASE IS OPENED**