

## **16-Channel Amplifier Specification**

The unit shall provide sixteen channels of amplification and EQ in in two units of rack space.

Each channel shall have independent filter configuration (lowpass, highpass, bandpass, notch or none) and parameter adjustments including gain and cutoff frequency.

Each channel shall provide 20 watts of power. Each channel shall be equipped with a 1KHz tone generator for diagnostic use.

Level and filter settings shall be permanently stored in the unit. The unit will provide a mechanism to disable manual controls.

Programming shall be accomplished using a graphical front end on a Windows PC.

Previous settings shall be uploadable.

The unit shall allow "on-the-fly" adjustments to channel volume and filter settings through the built-in RS232 port. Manual controls located on the front panel shall allow for quick volume adjustments without the need for a computer or control system.