

# V800

## Two-Channel— Super Power Amplifier

This powerful amplifier stands at the top of the H/H MOS FET power amplifier line. A sustained high quality output of no less than 400 Watts from *each* channel means there is plenty of power in reserve for the top professional sound system. The V800 will deliver the transient peaks present in today's dynamic music and avoid much of the clipping distortion present in a lesser amplifier.

The ability to operate continuously on heavy load makes this H/H amplifier unbeatable for live rock or disco sound systems as a powerful bass amplifier in a bi or tri amplified system. The H/H V800 is designed to be worked hard all night long.

### Cool Dependable Operation

A most important advantage of the MOS FETs is the way a temperature increase has the effect of *reducing* device current, thereby *decreasing* power dissipation which tends to push the temperature back down. This characteristic means that the new H/H V800 amplifier is cooler even under the toughest conditions. In addition, a silent

running integral cooling fan is brought into action (only) if the output stage temperature rises above a certain limit. This forced air cooling enables V800s to be stacked in 19" racks with other equipment without the need for extra external fans.

### High Accuracy Audio Performance

The sound quality of the V800 is absolutely neutral right up to the limit of the amplifier's wide bandwidth and beyond. The technology of the MOS FETs eliminates all forms of distortion from an audible point of view. Even transient intermodulation distortion is so low as to be considered insignificant. The majority of bipolar transistor amplifiers begin to show signs of stress at high frequency, high power levels. Not the V800 – this amplifier will deliver an undistorted 20kHz full power output all day long and stay cool. The V800 reaches a new standard of performance excellence – pure accurate sound.

### Load Sensing LED Metering

Each of the output meters features ten LEDs arranged in an arc, calibrated in decibels below rated power. The '0' dB LED indicates rated output voltage, the remainder ranging downwards to -33dB. The LED's function by comparing the amplifier output voltage to a reference voltage derived from the main power supply. This arrangement ensures that the output meters when indicating 0dB are automatically corrected for different load impedances and will maintain an accurate reading. The red LED indicates waveform clipping.

### Calibrated Input Attenuators

The V800 input attenuators are marked in 22 calibrated dB steps with detents for repeatable accuracy. The attenuators provide smooth, noise-free control from the lowest to the highest audio level.

### Inputs, Outputs, Options

On the back panel output connections are made with XLR or heavy duty binding posts. Heavy leads, spade terminals and banana plugs can be connected. The User Handbook included

