

**WORLDWIDE**

## **INTRODUCTION:**

Before unpacking your new Digital Reverb, take a moment to look through this instruction manual. We've made it brief and informative. Some helpful setup thoughts are included along with some application hints.

The MICROVERB® II represents a clear breakthrough in signal processing technology. Utilizing the Alesis R.I.S.C. (Reduced Instruction Set Computer) architecture, the MICROVERB II provides clean, quiet, professional digital reverberation with the cost and simplicity of spring units. The entire digital processing system is contained on a single chip, developed by Alesis Research Department, specifically for the MICROVERB II. Using high speed complementary-metal-oxide-semiconductor (CMOS) silicon processing, the MICROVERB II chip replaces several circuit cards of components, while consuming very little power.

The reverb programs were developed on our interactive room simulation and development system. Philosophically, the objective of reverberation is to enhance a dramatic performance, adding space, power, depth. Natural spaces tend to sound more pleasing than the simulated reverb types such as springs and plates, and for this reason, we use room terminology in describing our programs. The programs cover a wide range of sizes and qualities, and include such unnatural concepts as gated and reverse types.

## **INSTALLATION:**

### **Guitars, Keyboards:**

The MICROVERB II has high impedance inputs ideally suited for use with instrument pickups. Further, if the left input only is used, the input signal will appear as mono (present in both channels) at the dry side of the mix control. Adjust the input level for the level indicator flashing to red on occasional transients. A green condition of the indicator shows that the signal is sufficient for good signal to noise ratios.

### **Mixing Consoles:**

The MICROVERB II handles mono or stereo sends at all system levels. The input circuitry of the MICROVERB II can easily handle +4 levels (+20 dB peaks), while having enough input gain to interface with the extremely low signal levels of budget recording systems. As with instruments, if the left input alone is used with a mono source, it will appear in both channels of the dry output, leaving the reverb output in full stereo. In professional applications, it is suggested that the output control be set at maximum, where the MICROVERB II will best drive maximum levels at low impedances. When using with the sends and receives of a console, the mix control should be set to full reverb.

### **Mounting:**

The MICROVERB II as a part of the Alesis Micro Series, is mountable in the Micro-Rack Adapter, where three such devices fit perfectly. Assembly is quick and simple, a single screw secures each device in place. The unique design of the Micro Series case allows the devices to lock together to form a solid rack package, or to stand alone as single units.

### **Power:**

The MICROVERB II is powered by a remote supply providing 9 volts AC through a 3.5 mm plug. This power supply approach keeps stray magnetic fields from interfering with low level signals, allows easy conversion to alternate power sources (220V), and further reduces the unit's physical size and valuable panel space. Although many Micro Series devices could be powered by a single supply, this is not advisable, as ground loops would be set up between units, leading to excessive hum and noise in the system.