

## Chapter 2 - Installing Your ZETA-THREE

### About this Chapter...

The ZETA-THREE unit requires no internal assembly. This chapter provides mounting and power-up instructions for the unit.

This chapter, along with chapters 3 and 4, includes numbers in brackets following the name of a front panel key or rear panel connector (i.e. GEN RUN [10]). The numbers refer to the location of the key or connector on the diagram provided at the very beginning of this manual. The diagram and associated numbers can help you locate a specific key or connector easily.

### 2.1 Mounting

The ZETA-THREE unit is designed to operate in a studio environment and should not be subjected to extremes of heat, humidity, dust, shock or vibration.

The ZETA-THREE is shipped ready for rack-mounting. The mounting angles can be removed if table-top placement of the unit is desired. The positioning of these angles is shown in Figure 2.1. The ZETA-THREE may be rack- or cabinet-mounted using only the Rack Mounting Angles.

If the ZETA-THREE is to be mounted on a desk or table, or on top of another piece of equipment, Rubber Feet should be installed on all four corners. The Feet available with the ZETA-THREE are of the self-adhering type; no holes need to be drilled in the bottom of the ZETA-THREE.

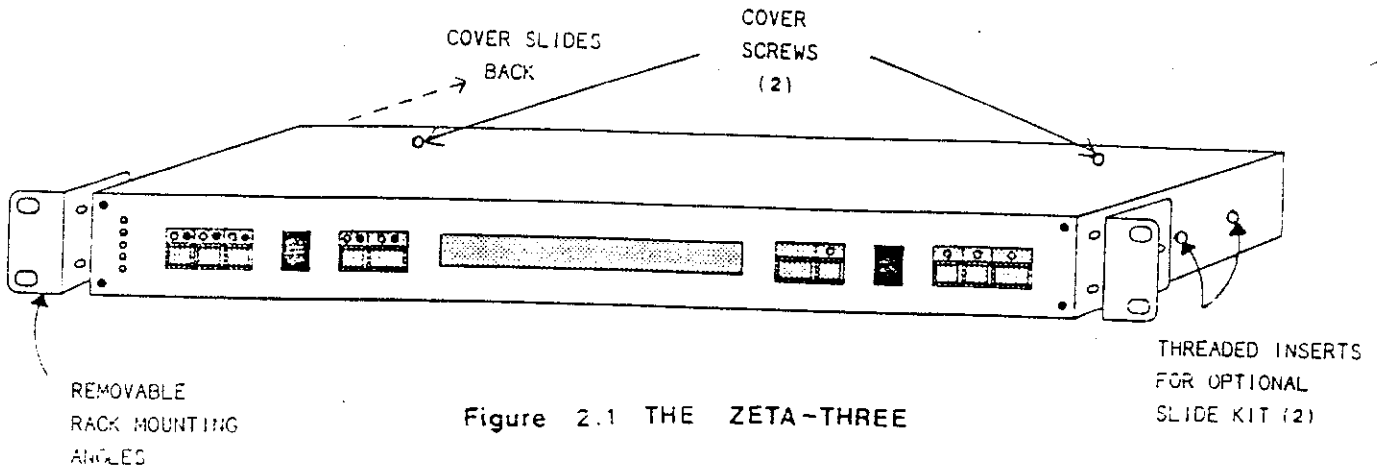
#### CAUTION

DO NOT, under any circumstances, drill into the ZETA-THREE's casing.

An optional slide kit may be purchased for the ZETA-THREE from your ZETA-THREE dealer. The slides will allow the ZETA-THREE to slide freely into and out of the rack or cabinet. Threaded inserts have been provided on the sides of the ZETA-THREE for the purpose of mounting the slides. Installation of the slide kit requires that one rack space be provided both above and below the ZETA-THREE.

## CAUTION

Do not mount the instrument over or under equipment which generates an unusual amount of heat.



## 2.2 Power

### 2.2.1 Power Requirements

THE ZETA-THREE WILL OPERATE FROM ANY POWER SOURCE WITHIN THE RANGE OF 90 TO 260 VOLTS, 95 VA, 50-60 Hz AC. For example, NO adjustments are necessary when switching from 100/120V to 220/240V.

To achieve optimum reliable operation, the ZETA-THREE should be connected to power mains which provide noise-free current (i.e. not the same circuit as other machinery).

### 2.2.2 Power Connections

The ZETA-THREE is supplied with a 3-wire power cord. One end of the power cord is to be plugged into the MAINS INPUT [34] on the back panel of the ZETA-THREE, as shown in Figure 2.2. The other end of the power cord is supplied with a standard USA-type 3-pin, which may be plugged into any 3-wire, properly grounded power outlet of sufficient capacity. If the USA-type plug is not appropriate (i.e. for European use), it may be replaced with an appropriate connector.

Power cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them.

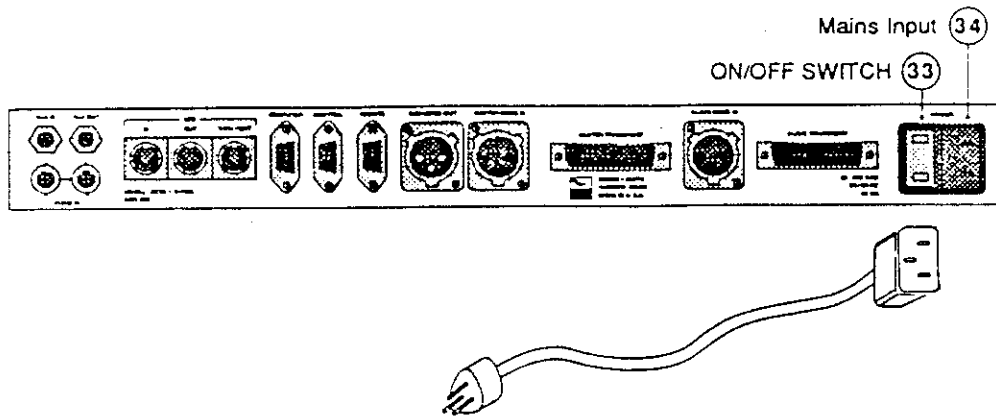


Figure 2.2 Attachment of power cord

After the ZETA-THREE unit is plugged in, power to the unit may be turned ON and OFF by operating the ON/OFF switch [33] on the back panel.

The ZETA-THREE is supplied with a 2A, 250V fuse, 5mm wide X 20mm long. The fuse is found inside the unit. To replace the fuse, unscrew the two screws on the top of the unit, as pictured in Figure 2.1, and slide the cover back.

**WARNING**

Always be sure that the unit is unplugged whenever the cover is to be opened.

Looking down into the ZETA-THREE from the front, the fuse can be seen in the left, rear quadrant of the unit. **BE CERTAIN THE UNIT IS UNPLUGGED BEFORE ATTEMPTING TO REPLACE THE FUSE.** Replace the fuse with one of equivalent value and slide the cover back to the unit. Replace both top cover screws.

### 2.3 Rear Panel Connectors

Each connector on the rear panel has specific uses. Please refer to Appendix C for specific information concerning the ZETA-THREE's rear panel connectors.