

## SELECTIVE HEARING

### MAINTENANCE INSTRUCTIONS

#### GENERAL INFORMATION:

At the Selective Hearing exhibit, two separate recordings play at the same time, one coming from a speaker on the right, and the other from the left. Listening to one message makes the other seem to move into the background. Looking at one speaker will bring its message to the foreground. The exhibit highlights the process of listening to one conversation while excluding others at, for example, a cocktail party. The sorting out occurs in the brain, not in the ears themselves, but the mechanism is not entirely understood.

Please refer to the drawings for the names and locations of the various components described in the following text.

#### Roland AR-100

The audio is stored and controlled by the Roland AR-100. Refer to the included OEM manual for complete instructions on programming the Roland AR-100.

#### General Cleaning:

The glass may be cleaned with glass cleaner. The finished or painted surfaces of the exhibit may be cleaned with a mild soap solution or general purpose cleaner. The acrylic panels should be cleaned with a plastic cleaner and a soft wipe that will not leave scratches, (we suggest Wype-All™). (Note: Do not use alcohol on acrylic graphic panels, or covers.)

#### Push-button Replacement:

The switches are accessed from underneath by removing the locking bottom. The micro-switches can be removed by sliding the wire connectors off and bending the plastic clip just enough to rotate the switch body out of the button mechanism. No tools are required and replacement is the reversal of this procedure.

#### 115 Vac to 230 Vac conversion:

This exhibit has a step down transformer to allow 115 Vac or 230 Vac. The circuit breaker connects directly to a duplex outlet box located in the bottom of the exhibit. It is accessed by removing the locking panel. For 115 Vac operation, the exhibit outlet strip (or component power cord) is plugged into the duplex outlet connecting it directly to the line. For 230 Vac operation, this plug must be switched over to the step-down transformer receptacle, and the transformer is then plugged into the duplex outlet. Check this configuration during initial set-up before plugging the exhibit in. The circuit breaker will protect most accidental improper connections, however some circuits may sustain damage if connected to 230 Vac if the 115 Vac plug is left in the duplex outlet.