

## **The Music Box and Extension Module**

The Music Box should be fitted with a mains plug containing a 3A fuse plugged into a convenient mains socket and switched on. The rocker switch should illuminate and the indicator below the output sockets should glow green whilst the indicator above the extension module link socket should glow red. The keyboards should be plugged in one at a time using the leads supplied.

*Please note that grey leads should be used with keyboards having positive centre sockets ( e.g. Yamaha) and white leads should be used with keyboards having negative centre sockets ( e.g. Casio).*

As the plugs are pushed into The Music Box, the green lamp may flash red momentarily - this is usual and can be ignored. Should the lamp stay red, then this indicates a fault. Initially, check that the plug is pushed completely home into the Music Box socket. If this does not cure the problem, then disconnect the plug from the keyboard. If the lamp returns to green then the fault is in the keyboard: if it stays red then the fault is in the connecting lead. In this case, remove the lead and unscrew the plug covers at each end to inspect for damage or a connection across the two pins of the plug.

The red indicator above the extension module link monitors the output to the Extension Module. This should be illuminated at all times. Should it not, then the internal fuse which protects this output must be replaced (see below).

To connect the Extension Module, plug in the white link lead between the socket on The Music Box and the one on the Extension Module. The Extension Module monitor lamp should glow green - this works in an identical fashion to the indicator on the mains unit.

### **Problem Solving**

**Green rocker switch does not illuminate** - check the fuse in the mains plug (3A).

**Green rocker switch illuminates but green indicator light and red indicator do not** - check the internal mains fuse (see below)

**Output indicator changes from green to red and will not go back** - switch off the unit and allow to cool for 5 minutes. One or more of the leads has been short circuited for a prolonged period and the unit has protected itself against damage by automatically shutting down.

**Changing internal fuses** - unplug the unit from the mains and remove the four crosshead screws which retain the front panel.

The mains fuse is located on the printed circuit board and is the fuse nearest the front panel. The plastic cover should be levered off and the fuse removed by levering out. The fuse may be inspected for a break by holding up to the light. This fuse should be replaced by a 1A quick blow, 20mm fuse.

The Extension Module supply fuse is also situated on the printed circuit board, next to the mains fuse, and may be checked in a similar way. Replacement fuse is a 2A quick blow, 20mm fuse.

### **Electrical Safety Testing**

The unit is classified as Class 1 for the purposes of safety testing. Suitable earth test points are the two bolts at the rear of the case base. For further details on safety testing, please refer to Health and Safety Executive leaflet GS23 (ISBN 0 11 883567 X).

### **Electromagnetic Compatibility**

The use of this apparatus outside the classroom, laboratory, study area or similar such place invalidates the conformity with the protection requirements of the Electromagnetic Compatibility Directive (89/336/EEC) and could lead to prosecution.