

# **GS-U2S OPERATING INSTRUCTIONS**

## **POWER**

This equipment can be powered from an external 9V DC supply or from internal batteries. Battery requirement is for 2 AA cells. The GS-U2S may not be powered from the ISDN line.

If an external supply is plugged in and present, the equipment will operate from the external supply, if it fails, then the batteries will take over automatically without losing the line.

To turn the GS-U2S on move the power switch to the ON position. The power on LED adjacent to the power switch will light.

## **CONNECTION TO ISDN LINE (U-BUS)**

An open ended RJ45 lead is supplied with the equipment. The RJ45 should be plugged into the connector marked U-BUS and the wires at the open end should be connected to the incoming ISDN line. Alternatively a RJ11 connector may be plugged into the RJ45 U-BUS socket on the GS-U2S.

In cases where the ISDN line is supplied as a pair of wires, the wires may be connected directly to the GS-U2S using the green terminal blocks adjacent to the U-BUS RJ45 connector. To make the connection, insert the wire in the hole whilst pressing the orange tab with a screwdriver or pen.

## **ISDN S-BUS CONNECTION**

The ISDN S-BUS is presented on a pair of standard RJ45 connectors. The switch adjacent to the S-BUS connectors selects the value of termination resistor connected to the S-BUS. The options are OFF, 50Ohm, or 100Ohm.

## **OPERATION**

Once the U-BUS and S-BUS connections have been made the GS-U2S may be powered on. The power on LED should illuminate immediately. The status LED indicates the status of the U-BUS and S-BUS connections.

<b>Status LED</b>	
Flashing quickly or off	U-BUS connection fault
Flashing slowly	S-BUS connection fault
On	S-BUS and U-BUS OK

## Connectors

### **S-BUS RJ45**

Pin 1	N/C
Pin 2	N/C
Pin 3	S-BUS RX
Pin 4	S_BUS TX
Pin 5	S_BUS TX
Pin 6	S-BUS RX
Pin 7	N/C
Pin 8	N/C

### **U-BUS RJ45**

Pin 1	N/C
Pin 2	N/C
Pin 3	N/C
Pin 4	U-BUS
Pin 5	U-BUS
Pin 6	N/C
Pin 7	N/C
Pin 8	N/C

### **DC IN 2.5mm Plug**

Centre	DC Positive
Sleeve	DC Negative