



# Glensound GLENSOUND TECHNICAL NOTES

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## GS-FW032&33 LOOP INPUTS & OUTPUTS

Loop inputs & outputs are provided for connecting to external equipment such as external LS Cut or Dim circuits, Tally's to other communication systems, Autodial circuits on hybrids/ codecs, Red light systems, Other GS-FW032/3s or External switch inputs such as foot switches, fader backstops or PTT switches.

### **LOOP OUTPUTS**

The GS-FW032 has 9 loop outputs and the GS-FW033 11, 1 for each channel speak switch and 1 'Dim' output which is a common output when any speak switch is pressed.

For reliability each loop outputs has it's own solid state relay. The solid state relays are part number ASSR-4118-003E (RS part no: 693-6914). These relays have the following characteristics:

1. 25 Ohm on resistance
2. 400 V maximum voltage
3. 100mA maximum current

Also provided on the loop output connector is +5 Volts with a maximum output current of 100mA.

### **LOOP INPUTS**

The GS-FW032 has 10 loop inputs and the GS-FW033 12, 1 for each channel speak switch, 1 cut LS and 1 Dim LS. Connection to external switches/ relay loop circuits is straight forward. To activate an input the input pin just needs to be connected to ground/ chassis via the external switch.

### **LOOP OUTPUT/ INPUT WIRING**

Please see the wiring information sheet within in this handbook for specific pin out details of the loop input & output connectors.