

IRIS 850 Serial Port Configuration for Upload/Download **of Cooper M1000 Panel over GPRS**

This document outlines the configuration of the IRIS 850 dialler serial port required to perform upload/download over GPRS between the serial port on a Cooper M1000 panel and the Cooper Downloader Mk3 software.

This functionality operates in parallel with the standard IRIS Polling and Alarm Signalling over GPRS that works in conjunction with the standard PSTN dialler interface on the panel.

It is assumed a GPRS SIM card with fixed IP address is used and that Polling and Alarm Transmission are set up as normal.

Preconfigure the IRIS through the serial port using Hyperterminal or equivalent. The following Hayes command string is required:

```
AT%A2=19S0=1S37=9I6=11111&D%I0=3%L4=5<CR>
```

Where:

%A2=19 tells the IRIS to communicate serial to TCP/IP over GPRS

S0=1 sets Auto Answer

S37=9 instructs IRIS to set 9600 bps on serial port for incoming calls – set serial port on M1000 to match

%I6=11111 sets TCP port number in IRIS for serial communications to 11111 – note any port number (5 digits, 0 padded) can be used as long as the equivalent is set at the Downloader calling end

&D turns DTR recognition off (as panel does not provide aDTR signal).

%I0=3 increases TCP ack timeout to 3s to take into account transit delays on GPRS.

%L4=5 sets data forwarding on timeout of .25s to ensure messages from panel are forwarded over GPRS in single TCP packets

Response should be OK. Settings are automatically saved in NVRAM.

Use a standard straight-through 9 way modem cable.