

## Maestro GPRS configuration

**Using HyperTerminal, connect to the Maestro using the following settings:**

***9600, 8, N, 1 Hardware Control***

**Now follow the commands below:**

***AT+CREG*** - Maestro should reply.

***ATI3*** - Maestro should confirm it is the Maestro Lite model:  
657\_09gg.

**The following commands erase the IP connectivity feature:**

***AT+WOPEN=0*** - might reset the Maestro.

***AT+WOPEN=3*** - should respond OK, but normally gets an error.

***AT+WOPEN=4*** - might reset the Maestro.

**Change Baud Rate to 115200:**

***AT+IPR=115200***

Reconnect HyperTerminal using the 115200 Baud rate.

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**The following section installs the Smart Pack to the Maestro:**

Copy the \*.dwl file to the local disk.

**In HyperTerminal:**

**AT+WDWL** - response will be +WDWL:0 then a series of continuous symbols.

Click on transfer in HyperTerminal and select the .dwl file. Set the protocol to by XModem protocol and click **Send File**.

**Once completed, restart the Maestro with the following command:**

**AT+CFUN=1**

**Reconnect with HyperTerminal using 9600 as the Baud Rate.**

**AT+WOPEN=1** - this tries to start the VAF (Smart pack). It will initially prompt you for an activation key. Enter this using the following command:

**AT+PSSW="xxxxxxxxxxxxxxxx"** - substitute xxxxxxxx with the activation key.

**AT+CFUN=1** - restart the Maestro

**AT+WOPEN=1** - This should respond OK if the activation code was accepted.

**AT+VAFV** - returns the VAF (Smart Pack) version.

**AT&W** - Saves the settings.

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**This section explains how to configure the GPRS settings  
In HyperTerminal:**

***AT+IPGPRS=1,"Wirelesslogic.co.uk","username",  
"password"*** - where username and password are those  
supplied by Wireless Logic for the specific data sim. Please note  
the first parameter of 1 is referred to as the Cid (Connection ID).  
You could configure multiple Cid's if required. The Cid is used in  
other commands to identify the specific connection.

***AT&W*** - save the settings.

***AT+CGATT=1*** - this connects to GPRS.

***AT+CGATT?*** - Shows GPRS status. 1 = connected. 0 =  
disconnected.

**To activate the GPRS connection to the Cid we specified earlier  
to Wireless Logic, use the following commands:**

***AT+IPCONNECT=?*** - (0-1) shows what GPRS APN connections  
(Cid's) have been set up and are available for selection. (0-1)  
shows activation options available.

***AT+IPCONNECT?*** - shows the current activation values.

***AT+IPCONNECT=1,1*** - activates Cid 1.

***AT&W*** - save settings.

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**This section explains how to configure the TCP and Auto-connect parameters in HyperTerminal:**

***AT+IPTCP=8888,"S","255.255.255.255",1*** - sets the TCP port to be 8888. Sets the maestro to operate in Server mode (waits to be polled from software), Sets a specific IP address as the only IP address it will accept data from – set this to 255.255.255.255 to accept any incoming IP address. Sets the Maestro to initiate a delay before sending a TCP/IP reply.

***AT+ILOPT=1,600*** - sets the Maestro to attempt to keep its GPRS connection alive every 600 seconds.

***AT+AUTOTCP=1*** - sets the Maestro to automatically TCP connect when powered up.

***AT&W*** - saves settings.

**This section changes the Baud and Flow Control to match the HRX, HandPunch or BioStation. In HyperTerminal:**

***AT+IFC=0,0*** - sets flow control to off.

***AT+IPR=19200*** - sets Baud to 19200.

Now disconnect HyperTerminal and reconnect using 19200 Baud and Flow Control none.

***AT&W*** - saves settings. Now disconnect.