

## Easy GPRS Connection Guide for Telit modules

After receiving the starter kit and putting it together (adapter board with module, antenna, SIM card, and serial cable) you should start a small test. Here we describe how to get a GPRS connection with AT commands.

**NOTE:** The SIM card must be activated for data.

Deactivate for this test the PIN function (best with your mobile phone).

In the following instructions we refer to a activated SIM card without PIN.

1. Connect your serial cable (1:1) from X100 on S3 or X300 on S4 to your PC (COM).

**NOTE:** Sometime serial converter (RS232 <=> USB) don't work as expected, so it's better using a real serial port.

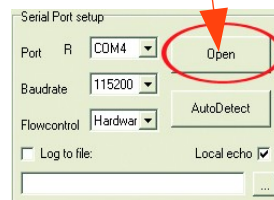
2. Connect your board to a power supply with minimum 7VDC / 2,5A.

3. Connect a GSM antenna to your board / module.

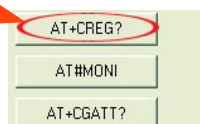
4. Start RS-Term, a free download you will find here:

<http://www.roundsolutions.com/techdocs/index.php#tools>

Select the connected COM port and **Open** it with a baudrate from 115200 and flowcontrol = Hardware.

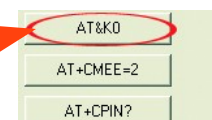


5. Switch on the module by pressing the start button on your board for one second. A yellow LED starts blinking. After a few seconds the frequency of the LED should change. That means your module is locked into the network. Check it now with **AT+CREG?**.



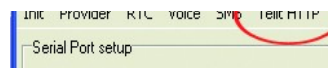
The answer in the black window should be +creg: 0,1 <cr>OK. If not you must check your SIM card and your antenna.

6. After point five is ok you proceed by setting AT&K0



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7. Now you change to **TAB**



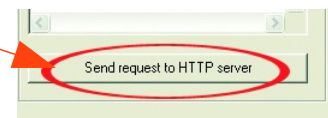
8. Send **AT#GPRS=1** and wait for the answer. This should contain a valid IP-Adress.



9. After this send button **AT#SKTD** and wait for a connect (this should come within 60 seconds).



10. After receiving „CONNECT“ activate **„send request“** and wait for the answer from our server (it is some HTML code without defined information).



**Now you have established successfull a GPRS connection to our server and tested your board in one step.**

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<http://www.roundsolutions.com/forum/>

All manuals and latest firmware you will find on our download section:

<http://www.roundsolutions.com/techdocs/>

For more services and information around GPS ,GSM and Antennas visit our website:

<http://www.roundsolutions.com/>

For standard and customised antennas have a look here:

<http://www.roundsolutions.com/pdf/PR/Antennas-The-Key-2009.pdf>

**We are developing prototypes and final products for customers as well.**