

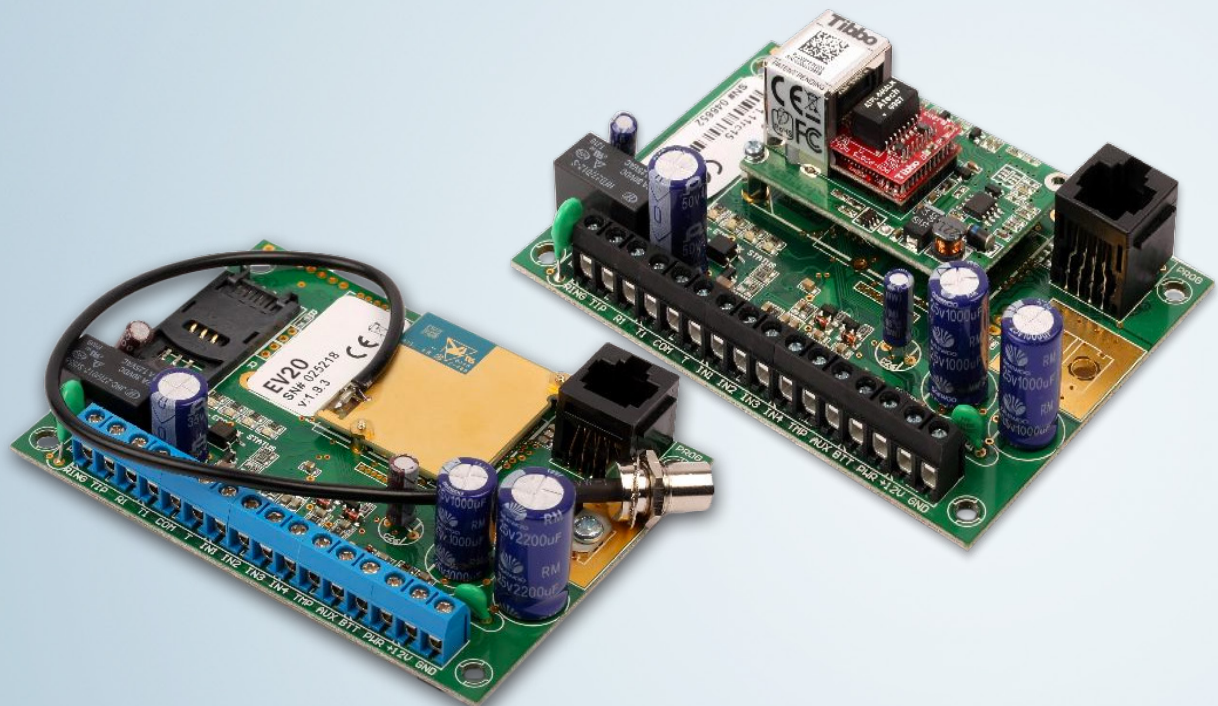


evacom

LX20/EX20

CONFIGURATION

Instructions

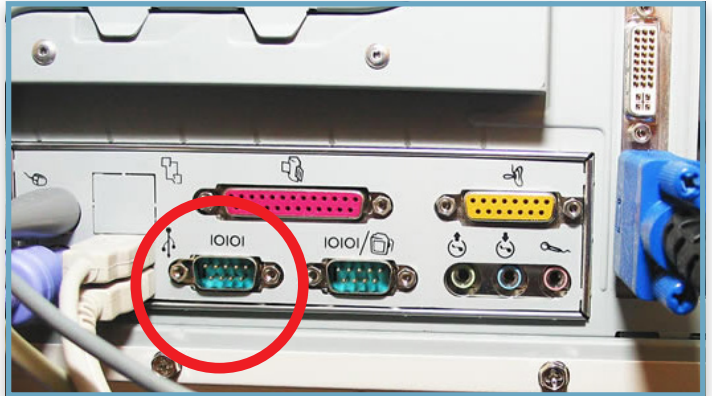


You will need...

A PC/laptop with a spare Serial Port

A configuration cable (available from www.evacom.co.nz)

Configuration software (supplied)



Serial port on laptop/desktop PC (above and above-right) must be male. The plug on the configurator cable is female (right)



NOTE:

Most modern (read: NEW) laptops and notebooks, and many new desktop computers, have done away with the 9-PIN Serial Port. If buying new, make sure that the model you are purchasing still has one of these. If not, you might have to look at purchasing second hand.

There are USB–Serial adaptors and cables available, but not all of them work with this setup and we have not yet found a cheap solution.

Software

The configuration software is on the same disk/location as the OSM Monitoring software. Look for this file:

Setup_Configurator_v1.3.20.4

This software runs happily on Windows XP/Vista or 7 and does not require a very powerful computer in order to run satisfactorily.

NOTE:

OSM Monitoring software should be operated from a 'dedicated' PC. That is, one that is not used for any other task.

We recommend that the Configuration software should therefore not be operated from the same PC as that which is running the OSM software. We only say this because if you crash or otherwise damage your computer whilst configuring a board, your ability to monitor existing clients is compromised.

Configuration software is best run from a laptop, as it can then be taken on site and boards can be configured, or reconfigured at the point of installation.

For full instructions on how to install the configuration software, see the **OSM Monitoring Software manual**;



Connect the components

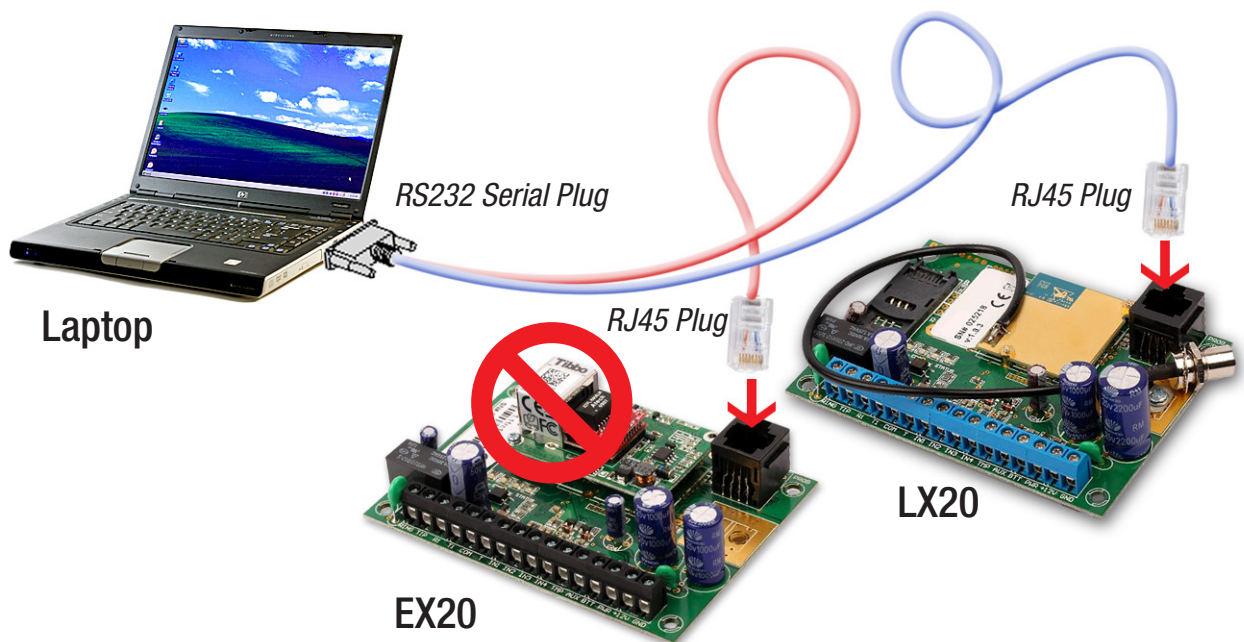
Plug the SERIAL PLUG end of the configuration cable into the SERIAL PORT of the configuration computer / laptop. Then plug the RJ45 PLUG (ethernet connector) into the CONFIGURATION PORT on the board.

EX20

Note that EX20 IP Transmitter has TWO inputs that will accept the RJ45 plug. Use the one on TOP of the board facing up (shown below).

LX20

Ensure that there is NO SIM card installed when you configure.



Power

Power up the board with 18 volts, 300 – 500 mA.

You can run a wire directly from the alarm panel, if on site, or install the board first with separate power supply.

If using a transformer, for configuration purposes, 16 – 22 volts is okay.

The **GREEN** light on the board will come on.

Note: when connecting to a network, this green light flashes to indicate signal strength. 5 flashes is good, 1 is bad

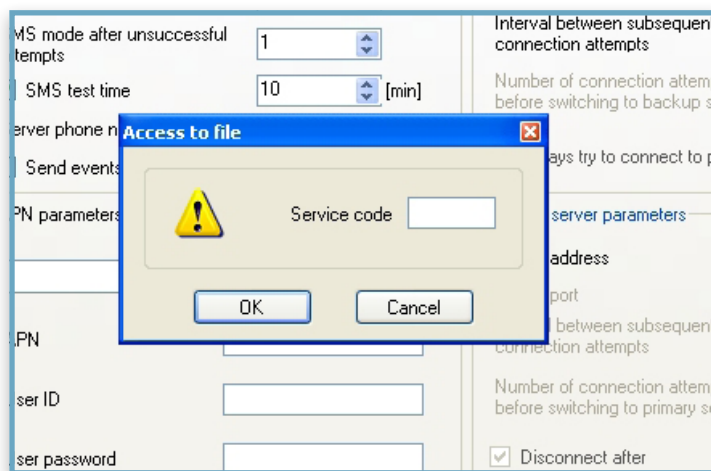
NOTE:

LX20 and EX20 configurations are pretty much the same. We'll go through the LX20 first, and then EX20.

LX20 – Run the Software

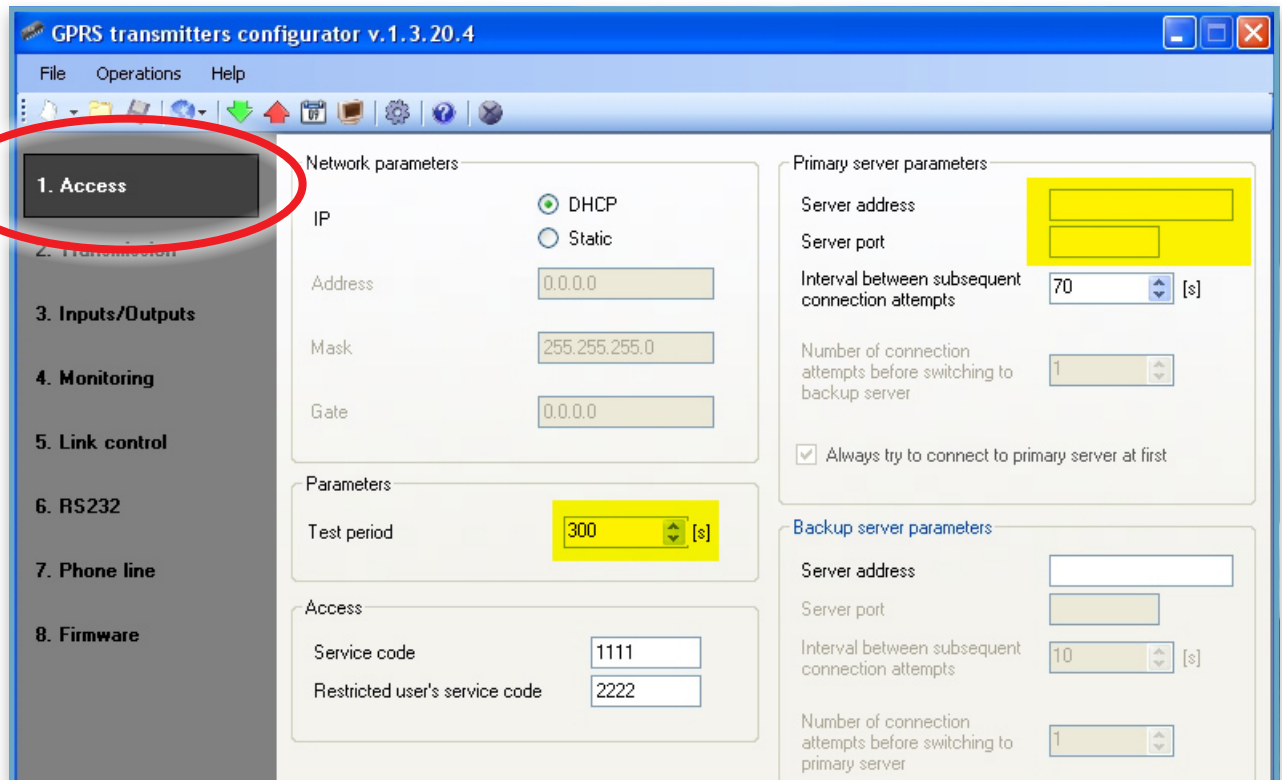
...EX20 – page 11

Start the configuration software on the laptop.



You will be asked for a password. The default is **1111**

You can change this password, but in reality what are you protecting?



First Screen – ACCESS

ENTER the **EXTERNAL** IP address of your server, or the address of the Monitoring Station that you are using:

XXX.XXX.XXX.XXX

ENTER the Port (this should be unique to the Monitoring Station. The DEFAULT when OSM Server is installed is **6832**):

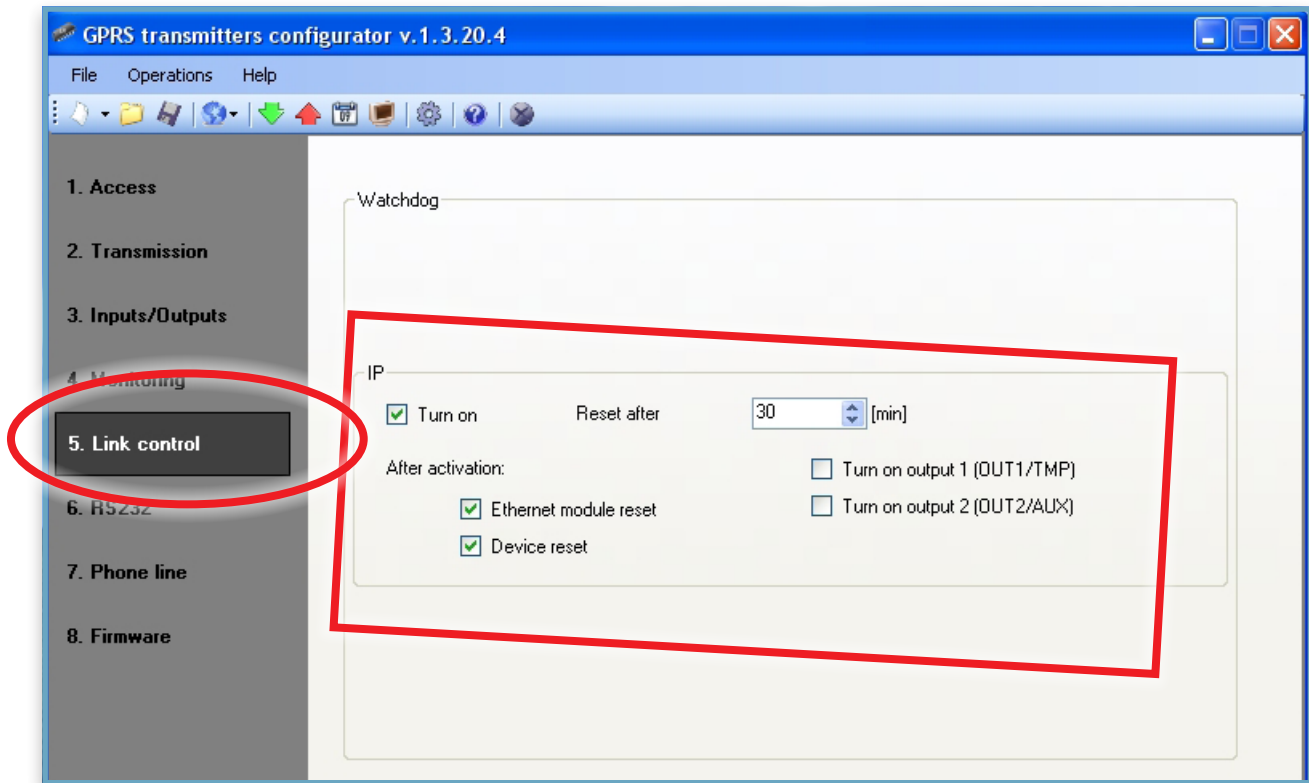
ENTER a Parameters **TEST PERIOD** of around **300** seconds. This is the POLLING of the device, and as it's over Broadband/Internet, there is no downside to having it set at 5 minutes. Shorter polling intervals are possible, but generally unnecessary.

Nothing required for;

Transmission

Inputs/Outputs

Monitoring



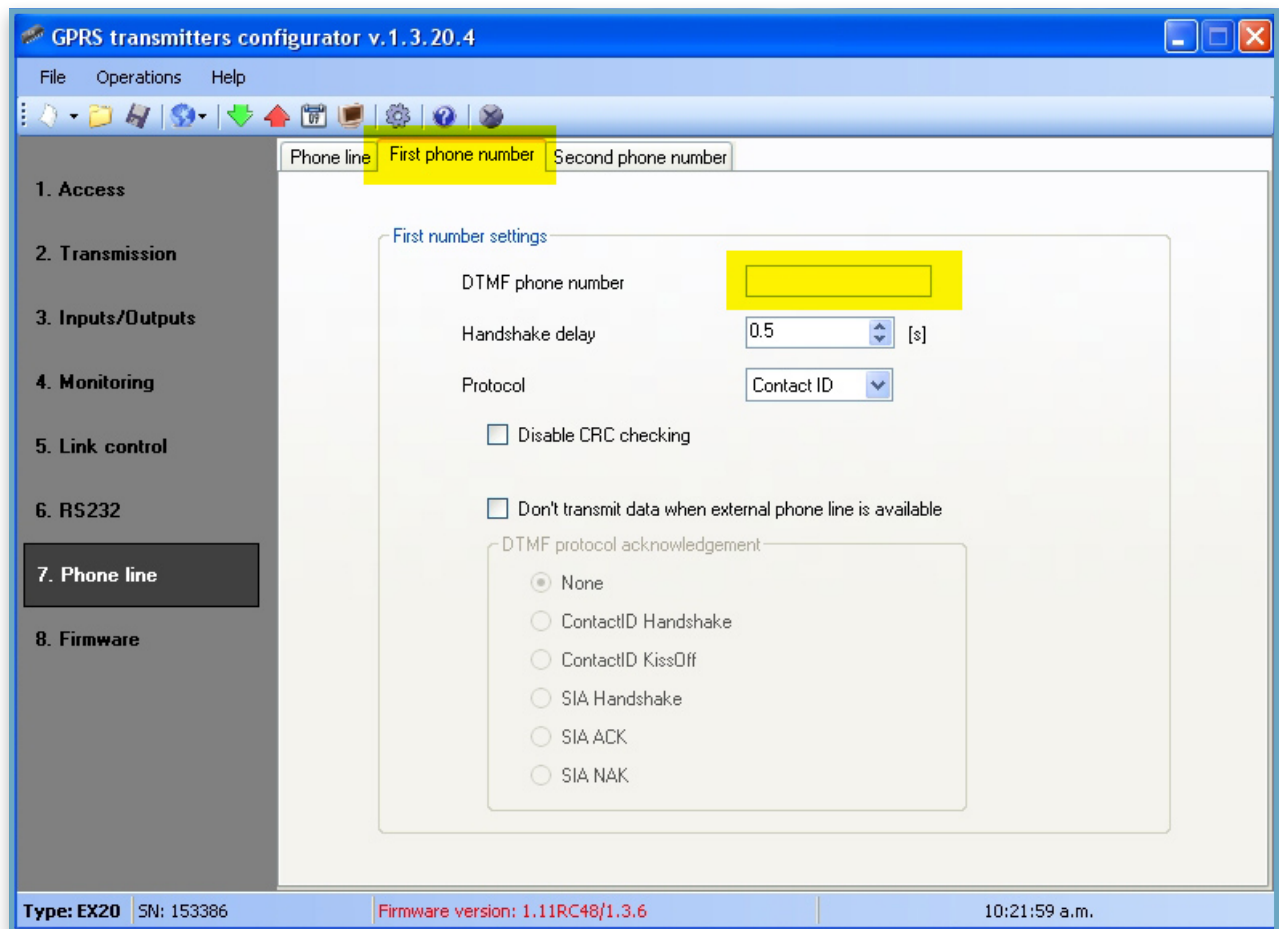
Second Screen – LINK CONTROL

Turn on the **WATCHDOG**
Set for RESET after 30 minutes*

*This is recommended, but can be any time delay. Too short a time and it won't take into account potential delays by telcos or outages by ISPs. Too long and it will increase the time that a client might go unmonitored.

Nothing required for;

RS232

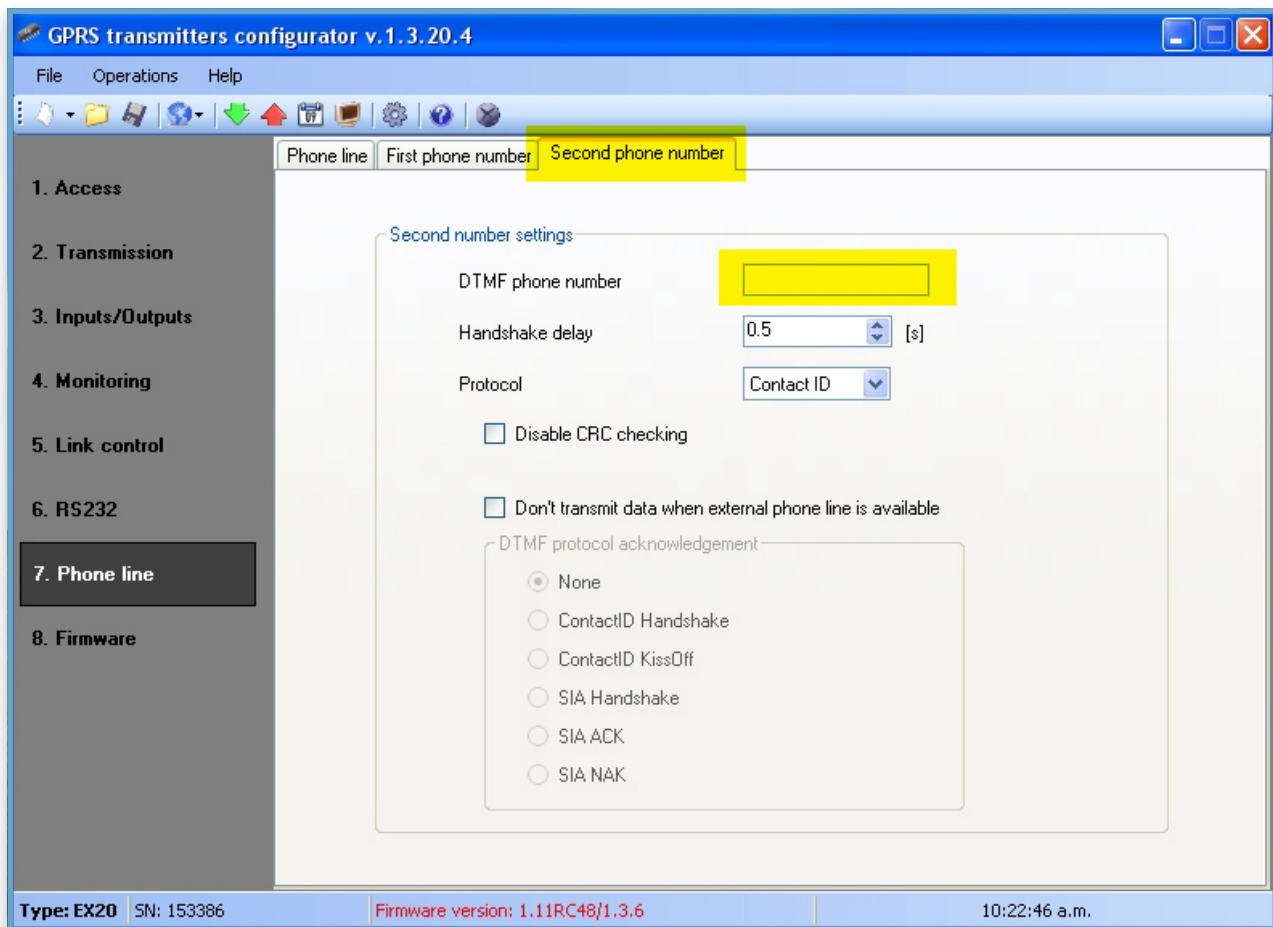


Third Screen – PHONE LINE

CLICK on the FIRST PHONE NUMBER tab

FIRST PHONE NUMBER

This is the **FIRST** Phone Number of the Monitoring Station, the number that the device will dial when an alarm activation occurs.



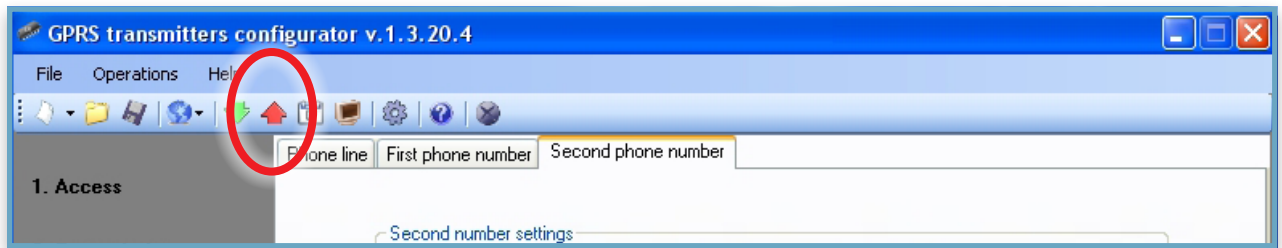
CLICK on the **SECOND PHONE NUMBER** tab

SECOND PHONE NUMBER

This is the **SECOND** Phone Number of the Monitoring Station, the number that the device will dial if the **FIRST** number is busy or unavailable.

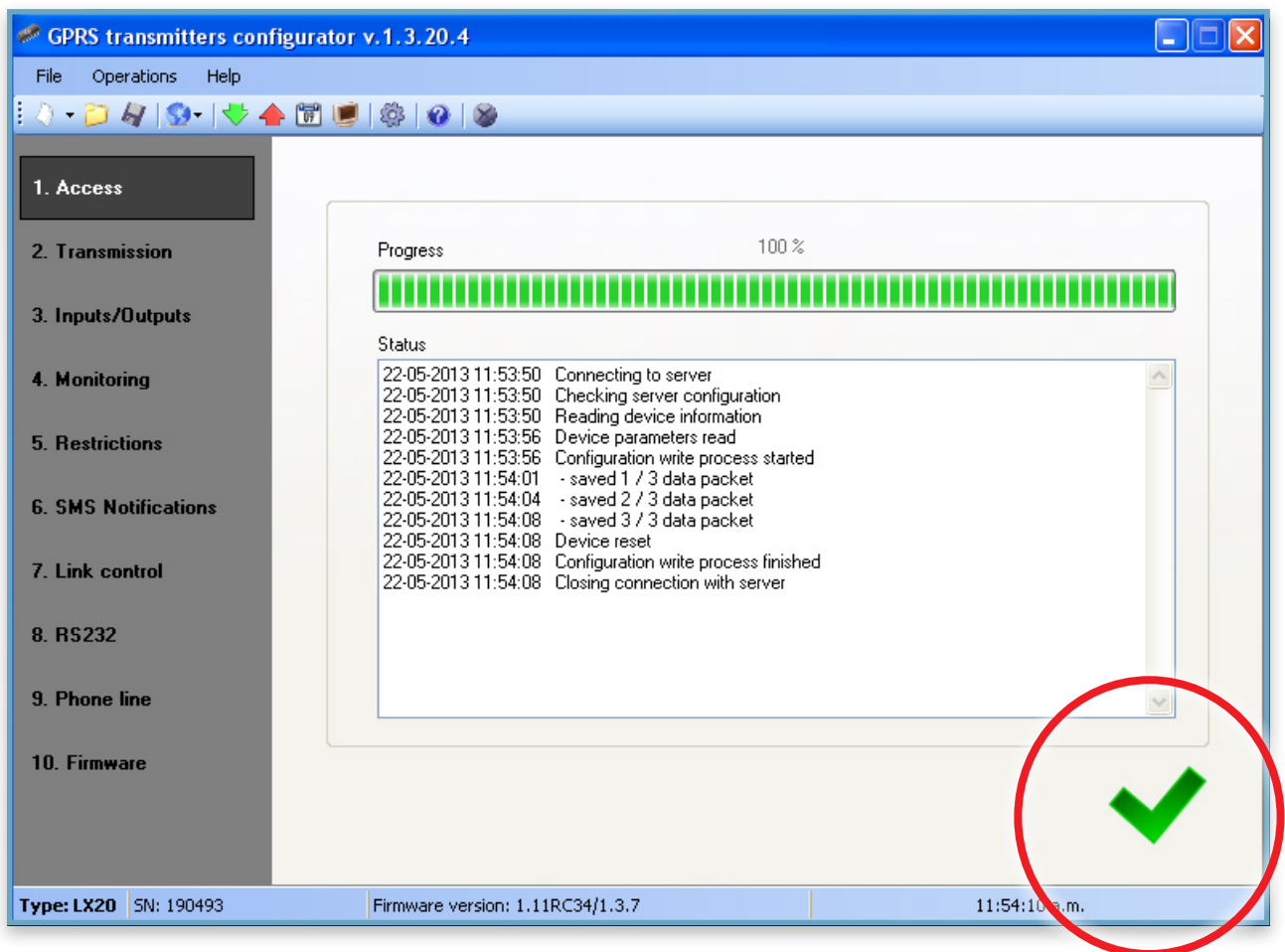
Nothing required for;

Firmware



Finishing

CLICK the RED UP ARROW to upload the configuration to the board.



You will be presented with the screen ABOVE.
When the GREEN TICK appears, disconnect everything.

Your board is configured

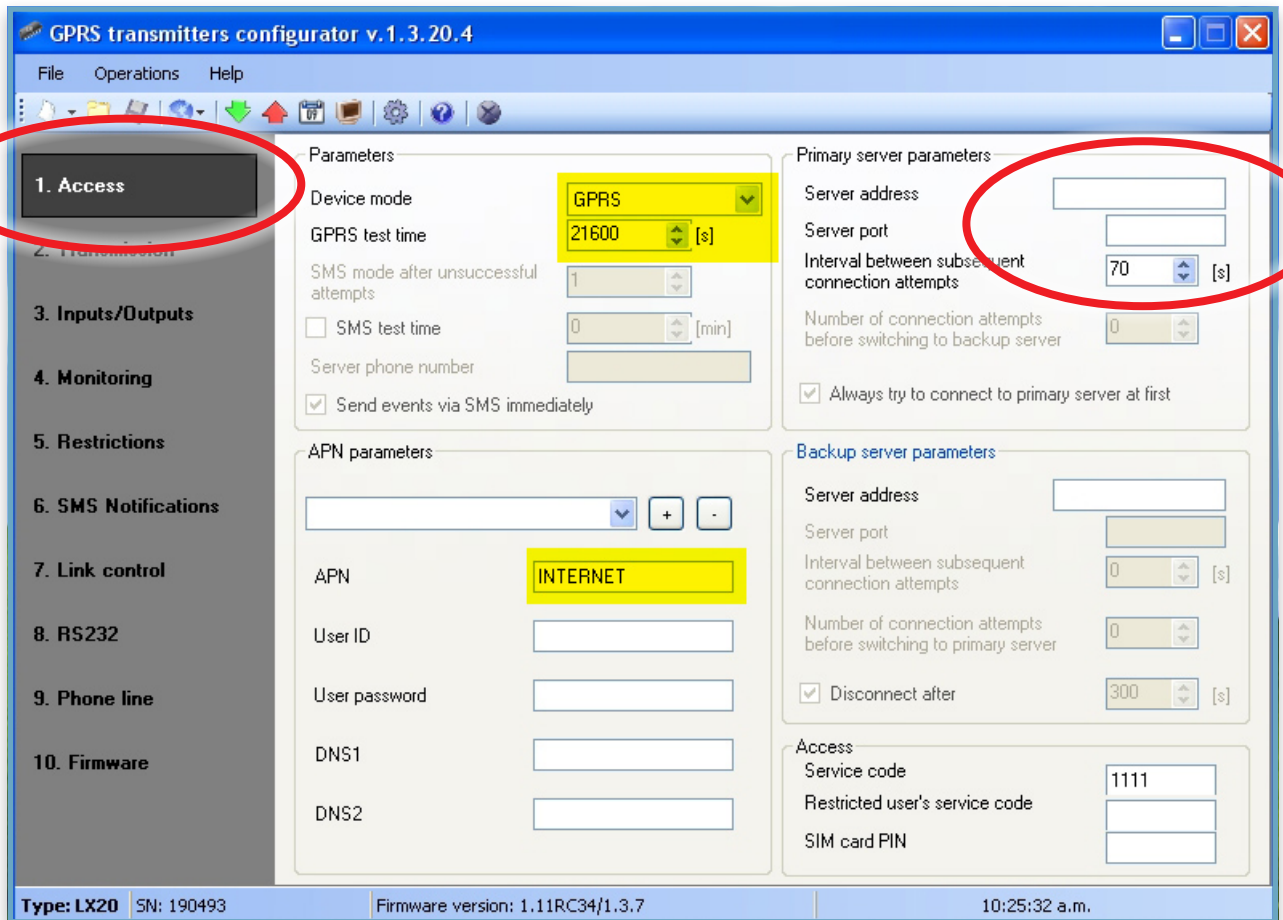
EX20 – Run the Software

Start the configuration software on the laptop.



You will be asked for a password. The default is **1111**

You can change this password, but in reality what are you protecting?



First Screen – ACCESS

Device Mode

ENTER GPRS

GPRS test time

The Polling interval of the device. This one is set for **21600** seconds (6 hours). Shorter polling times are possible, but this uses DATA on the plan allocated to the SIM card.

APN

ENTER the settings provided by the Telco that supplied the SIM card. This one (INTERNET) is for Two Degrees.

You will also need to enter the **EXTERNAL** IP address of your server, or that of Monitoring Station that you are using, as well as the PORT. The DEFAULT Port when OSM Server is installed is **6832**.

GPRS transmitters configurator v.1.3.20.4

File Operations Help

1. Access

2. Transmission

3. Inputs/Outputs

4. Monitoring

5. Restrictions

6. SMS Notifications

7. Link control

8. RS232

9. Phone line

Event	GPRS On	GPRS Off	SMS On	SMS Off	Skip initial state
Service	☒	☒	☒	☒	
Input 1	☐	☐	☐	☐	☐
Input 2	☐	☐	☐	☐	☐
Input 3	☐	☐	☐	☐	☐
Input 4	☐	☐	☐	☐	☐
Tamper	☐	☐	☐	☐	☐
Power	☐	☐	☐	☐	☐
Battery	☐	☐	☐	☐	☐
Output 1 (OUT1/TMP)	☐	☐	☐	☐	
Output 2 (OUT2/AUX)	☐	☐	☐	☐	
Partition 1	☐	☐	☐	☐	☐
Partition 2	☐	☐	☐	☐	☐
RS232 tests	☒	☒	☒	☒	
Phone line	☒	☒	☒	☒	
Off hook	☒	☒	☒	☒	
Off hook timeout	☒	☒	☒	☒	
Temp. input 1 lock	☐	☐	☐	☐	
Temp. input 2 lock	☐	☐	☐	☐	
Temp. input 3 lock	☐	☐	☐	☐	
Temp. input 4 lock	☐	☐	☐	☐	
Temp. tamper lock	☐	☐	☐	☐	
Input Tamper tamper	☐	☐	☐	☐	
Input 1 tamper	☐	☐	☐	☐	
Input 2 tamper	☐	☐	☐	☐	
SMS limit	☐	☐	☐	☐	
Configuration changed	☒		☒		
CLIP	☐		☐		
GSM	☒	☒	☒	☒	
GPRS channel	☒	☒	☒	☒	
Server	☐	☐	☐	☐	
SMS channel	☒	☒	☒	☒	
Startup	☒		☒		
Time update	☒		☒		
Modem reset	☒		☒		
Jamming	☒	☒	☒	☒	
Conf. change start	☒		☒		
Firmware upgr. start	☒		☒		
Firmware changed	☒		☒		

Invert Clear Invert Clear Invert Clear

Power loss 600 [s]

Type: LX20 SN: 190493 Firmware version: 1.11RC34/1.3.7 11:37:20 a.m.

Nothing required for;

Transmission

Inputs/Outputs

Restrictions

SMS Notifications

Link Control

RS232

Phone Line

Firmware

Second Screen – MONITORING

Make sure the **TICK BOXES** shown on Page 13 are TICKED.



Finishing

CLICK the RED UP ARROW to upload the configuration to the board.

You will be presented with the screen BELOW.

When the GREEN TICK appears, disconnect everything.

Your board is configured

