



evacom

OSM 2007 MONITORING SOFTWARE



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Preparation

Hardware setup

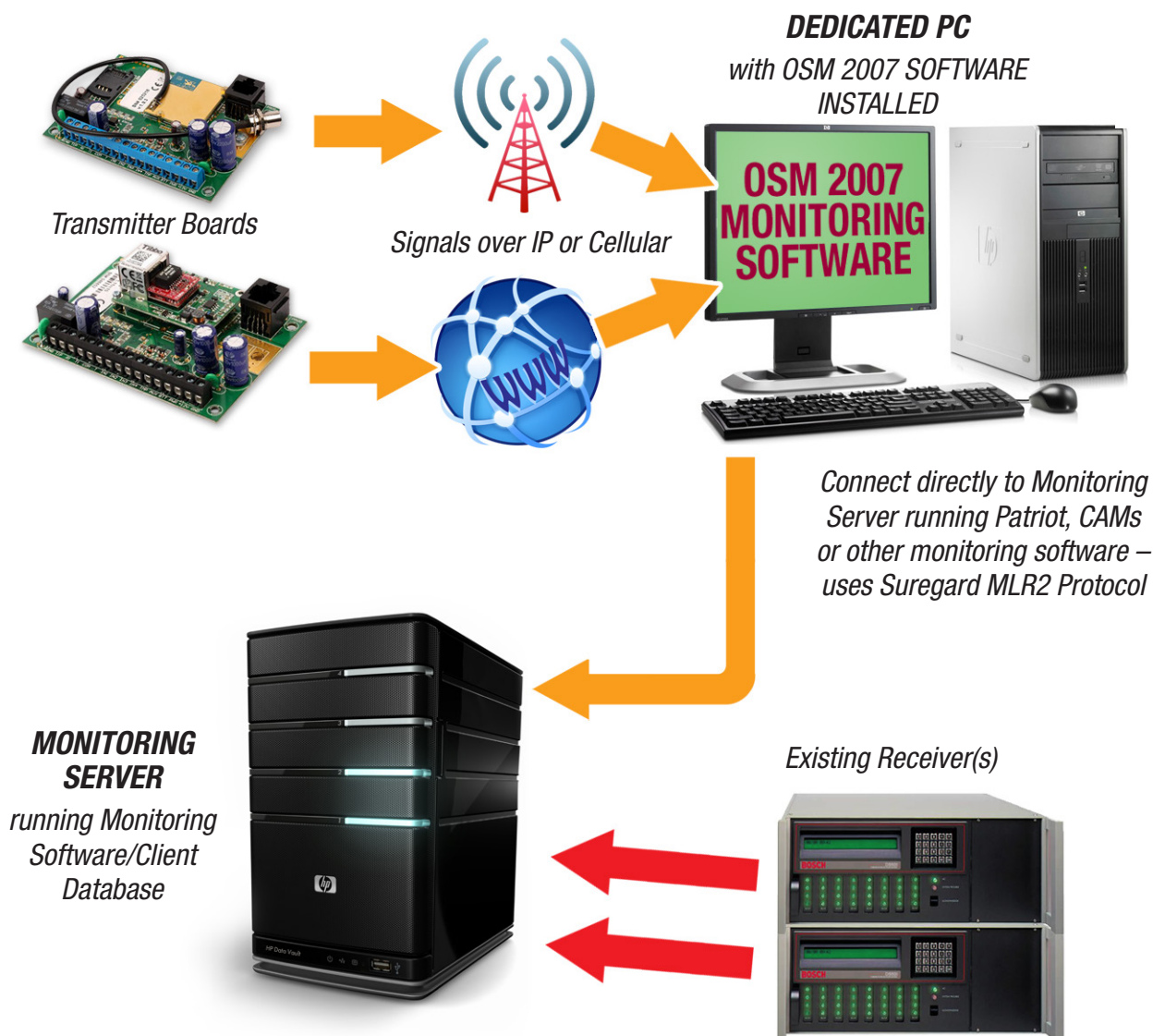
Required for the software is a PC running Windows XP (Service Pack 2), Windows Vista (SP 2), Windows 7 or Windows 8. RAM requirement, graphics card and hard disk space is negligible, but as this machine must run 24/7 for possibly years, it should be reliable and checked for defects.

Clear out the PC first, preferably by running the original install disk and FORMATTING the HDD, prior to installation of the operating system.

The OSM PC can be connected to the Monitoring Server either by TCP-IP (ethernet network) or Serial Cable.

The OSM Monitoring Software uses Surgard MLR2 Protocol.

Hardware diagram

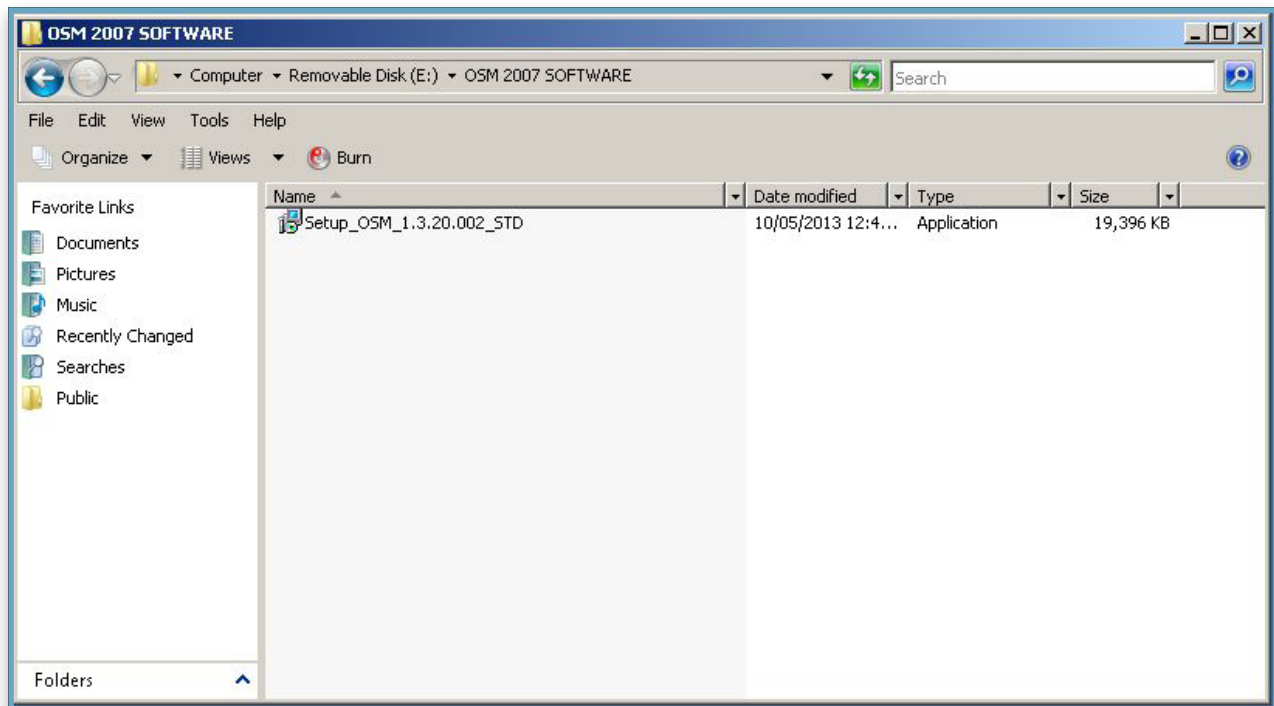


Software Installation

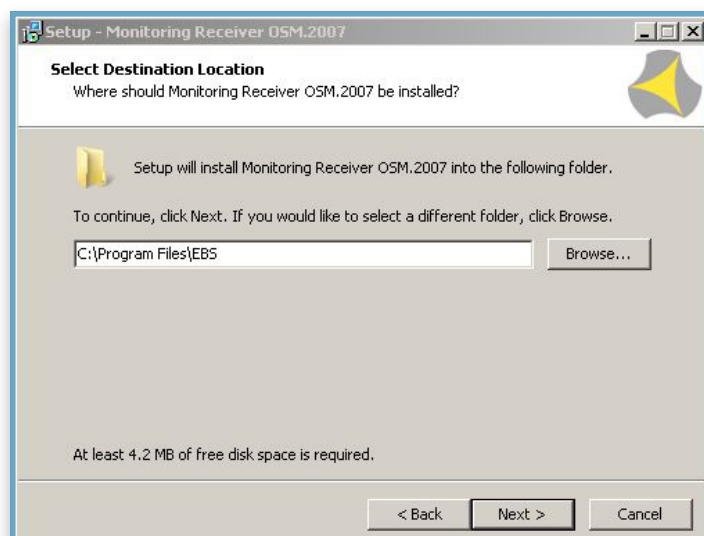
Insert the CD with the installation software on it in the CD drive. (If there is no functioning drive, the software can be run from a USB stick or copied to the Hard Drive over a network.)

Find the file called:

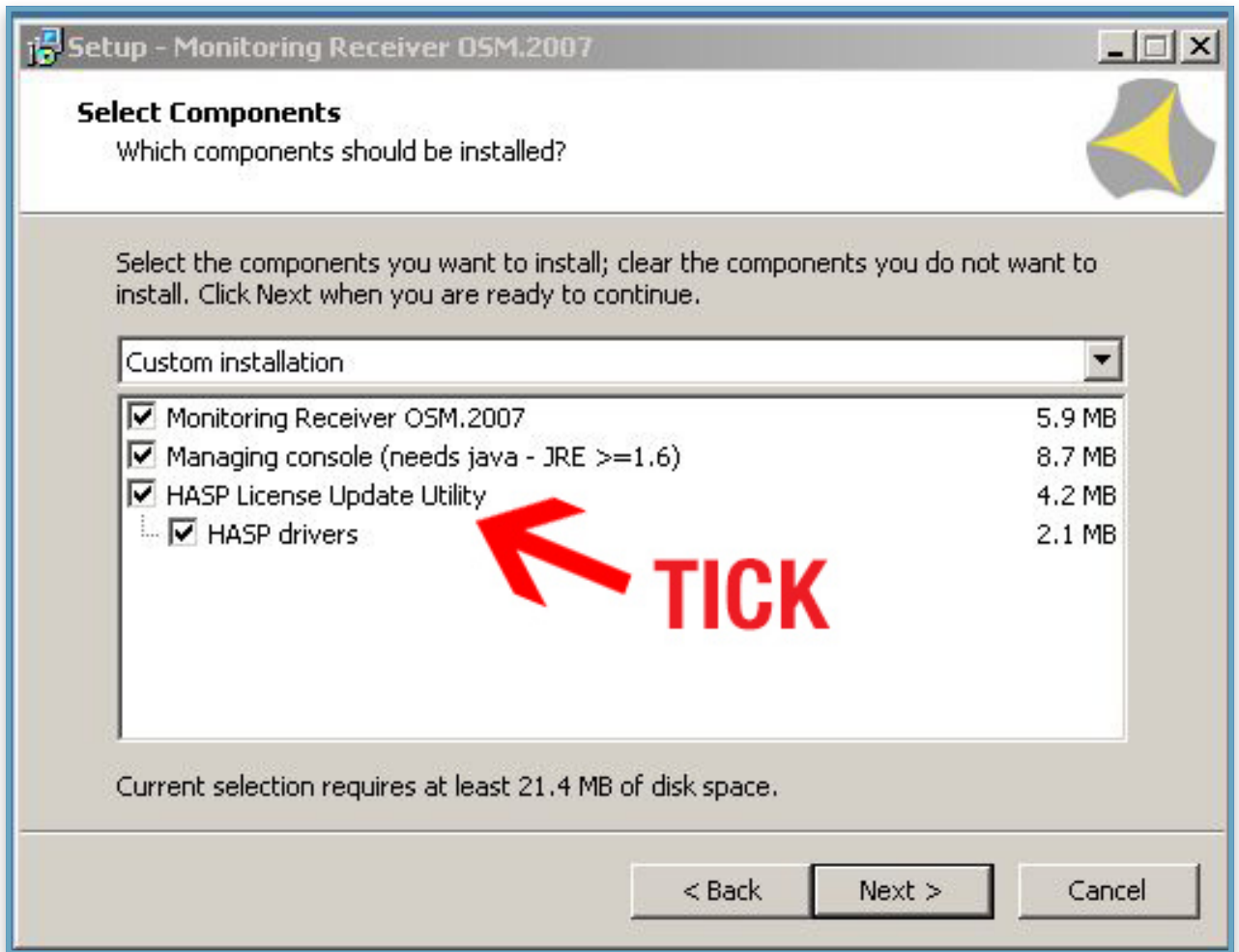
Setup_OSM_1.3.20.002_STD.exe



Double-click to install.



Select a destination and CLICK NEXT.

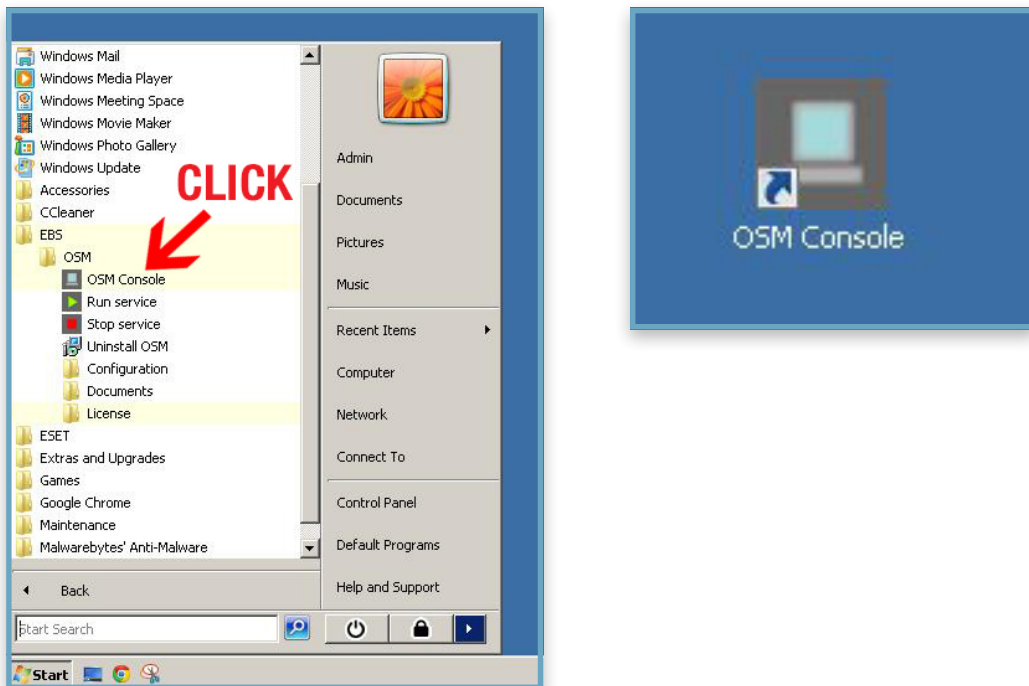


Ensure that all of the above boxes are ticked. CLICK NEXT



Watch the blue fill the box...

Result!

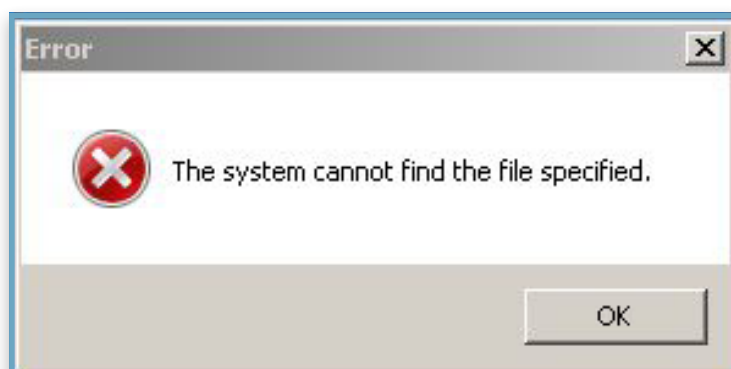


To start the software DOUBLE-CLICK the **OSM Console** shortcut on the desktop or navigate to START/EBS/OSM and click **OSM Console**

Configuring OSM

Java Error

Java (from Oracle) must be installed in order for the software to run. When you first start the OSM Console, if you get this message;



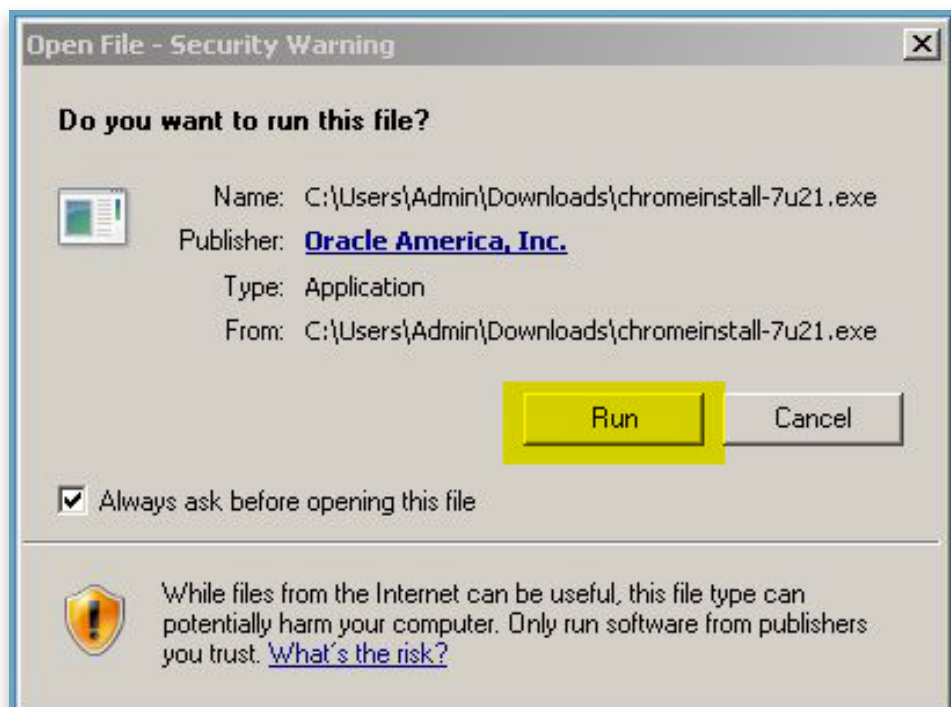
That means that there is no Java installed, or your version is turned off.

Installing Java

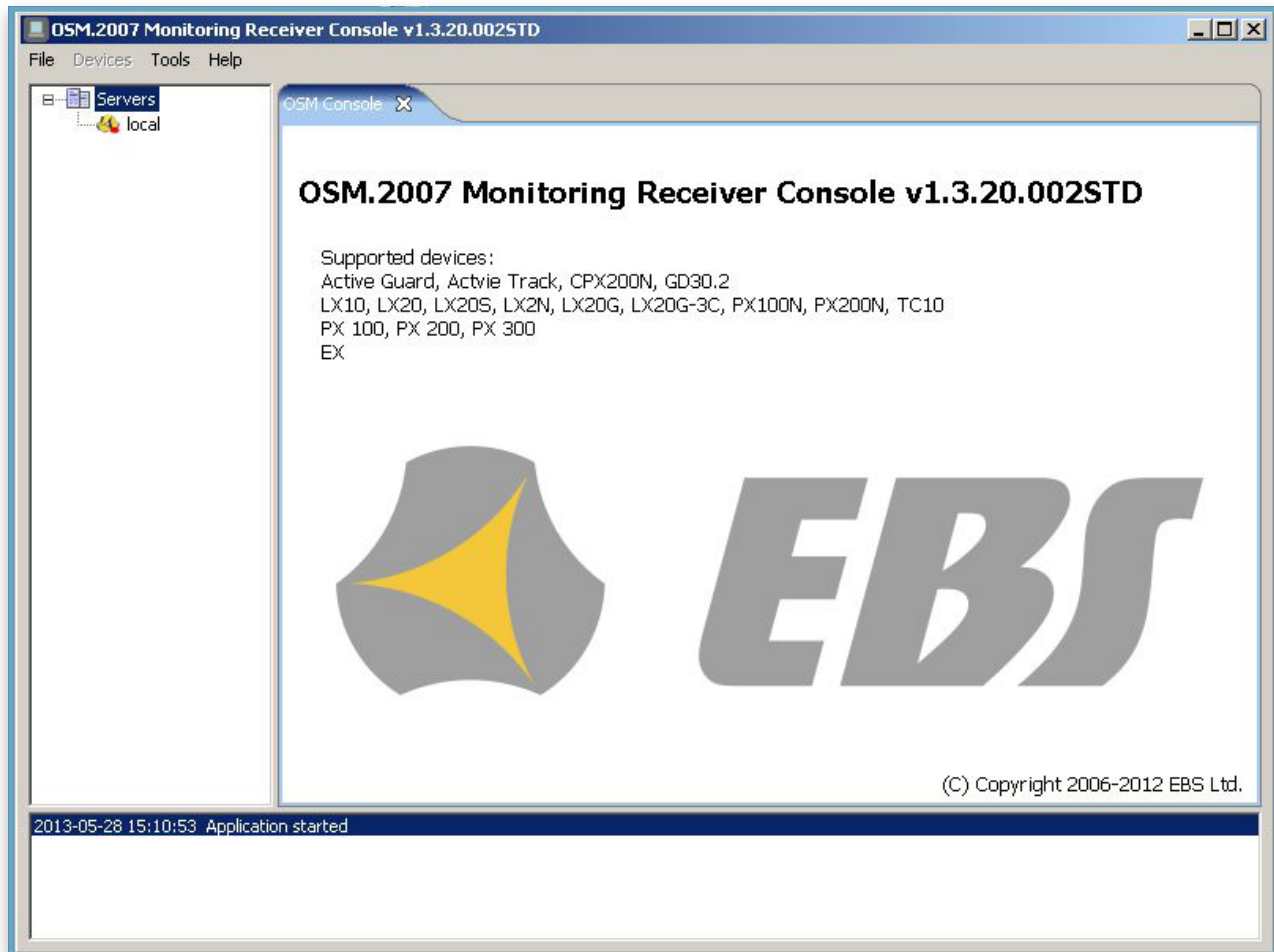
In your web browser SEARCH FIELD, type JAVA DOWNLOAD and navigate to java.com, where you will see this...



Click the FREE JAVA DOWNLOAD button and follow the instructions.



If you get the 'Do You Want To Run This File?' question, click **RUN**



This window means that you have successfully installed both OSM Console and Java

Configuration

Right-Click on '**local**' and click EDIT REGISTRATION SETTINGS



The screenshot shows a 'Server parameters' dialog box with the following fields and values:

Field	Value
Server name:*	OSM Server
Server address:*	192.168.1.33
Server port:*	9000
Analyzer name:*	primary
Act as analyzer:	☒
Analyzer port:*	7000

Red annotations on the right side of the dialog box:

- A red arrow points to the 'Server name' field with the text 'Optional'.
- A red arrow points to the 'Server address' field with the text 'SET'.
- A red bracket groups the 'Server port', 'Analyzer name', and 'Act as analyzer' fields, with a red arrow pointing to it and the text 'Leave'.

Buttons at the bottom: < Back, Next >, Finish, Cancel.

Server Name

You can give your server a name. This is optional, but could be necessary if you are running more than one OSM Server.

Server Address

Give your server an IP address on your network. This address may then be FIXED for the OSM Server in your network setup*

In this case the FIXED IP of the OSM Server is **192.168.1.33**

Alternatively you can enter the 'loopback' address of **127.0.0.1**

You can leave the rest as DEFAULT.

CLICK NEXT

Nothing to do in this window

*If the IP is FIXED (or STATIC) then a PORT must be opened in your firewall to correspond to the OSM Server.

If you don't understand this terminology or are unsure how to do this, contact your IT professional or the person who looks after your network.

The screenshot shows a window titled "Commands properties" with a subtitle "Please specify server commands properties". It contains two input fields: "Connector name:" which is an empty text box, and "Command timeout:" which is a spinner box set to "60" with "[s]" to its right. At the bottom, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

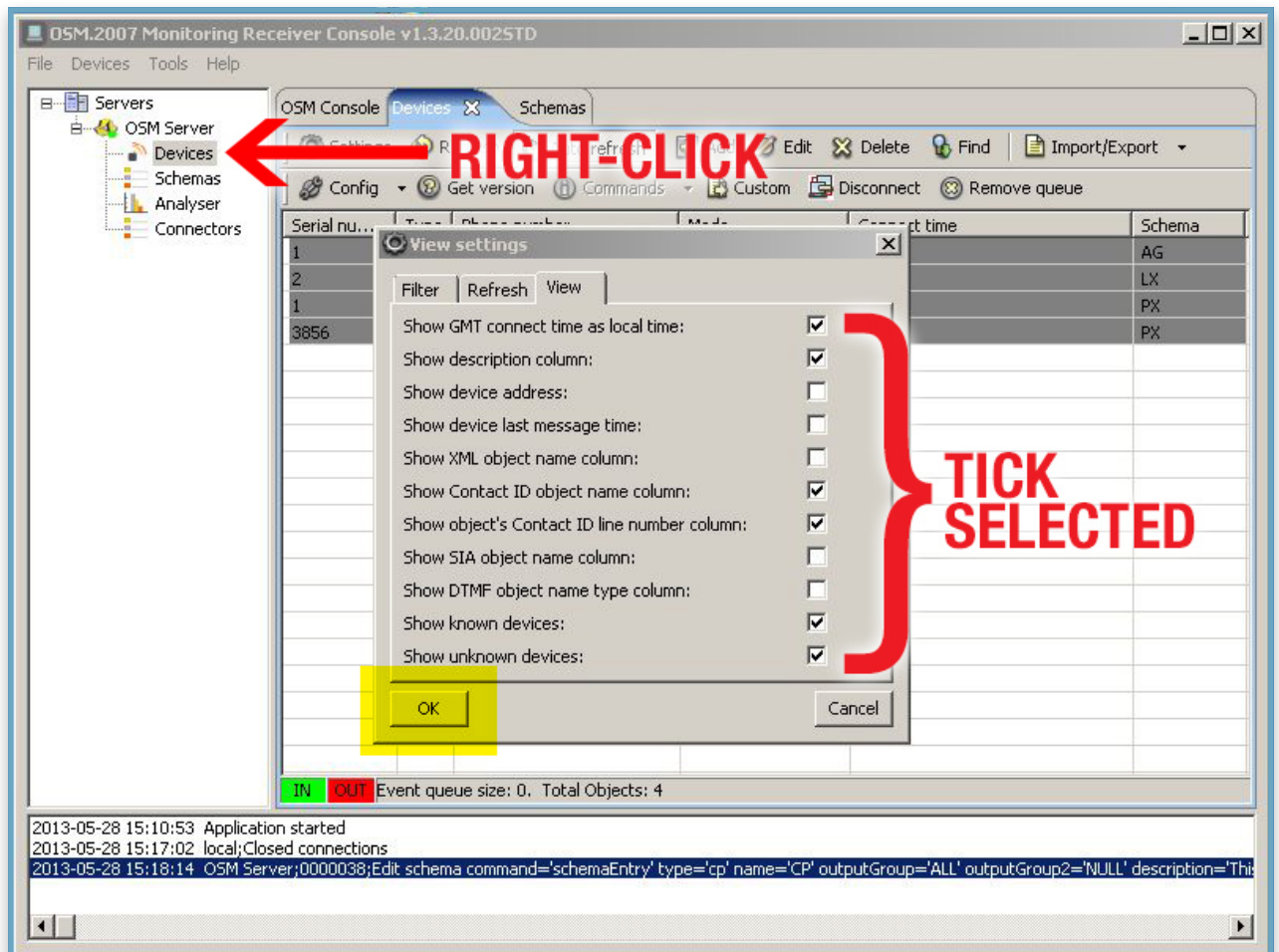
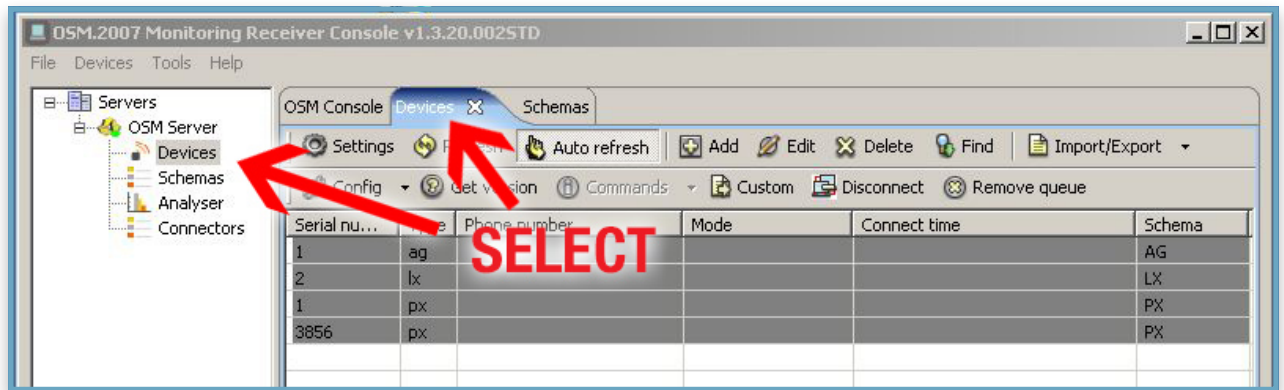
CLICK NEXT

Nothing to do in this window*

The screenshot shows a window titled "Database connection properties" with a subtitle "Please specify database connection properties (optional)". It contains several input fields: "Database type:" is a dropdown menu showing "Postgres SQL 8.x"; "Host address:" is an empty text box; "Host port:" is a text box containing "5432"; "User name:" is an empty text box; "User password:" is an empty text box; and "DB name:" is an empty text box. At the bottom, there are four buttons: "< Back", "Next >", "Finish", and "Cancel".

CLICK NEXT

*If you are NOT using your Monitoring Software (eg. Patriot) as your client database, this is where you can specify a Postgres SQL server for collection and management of monitoring information.



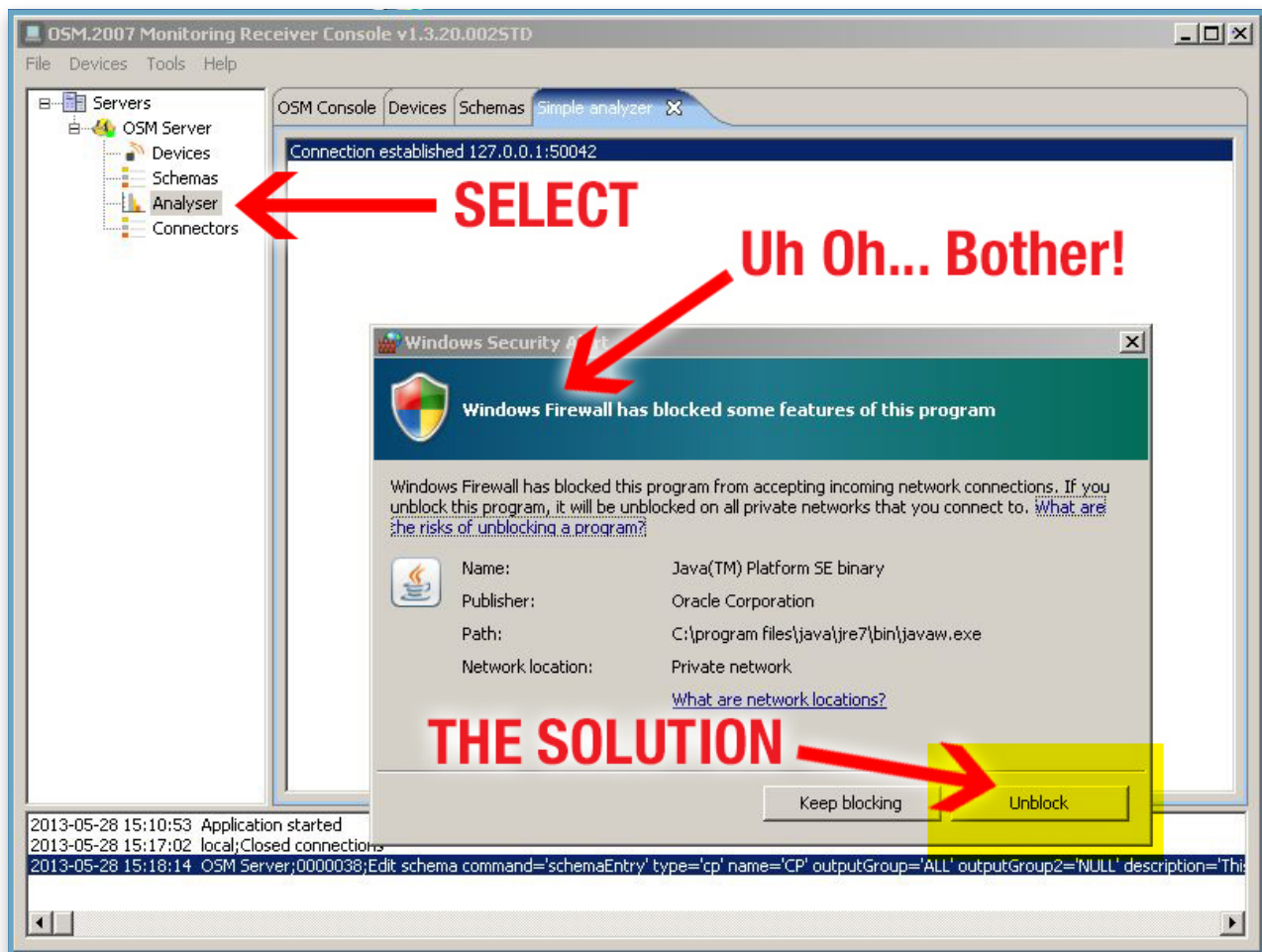
Click on the DEVICES tab.

Then **RIGHT-CLICK** for VIEW SETTINGS.

TICK the boxes shown above and click **OK**

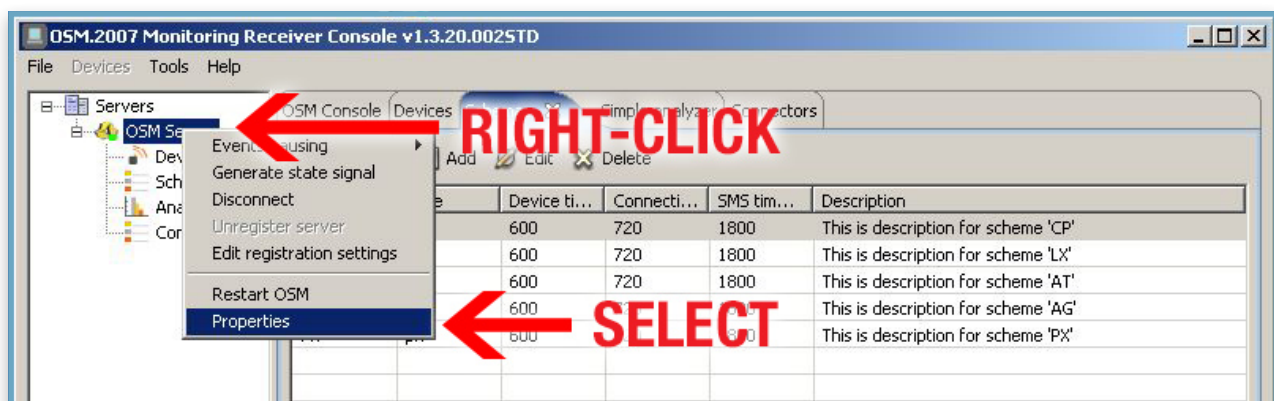
SELECT ANALYSER

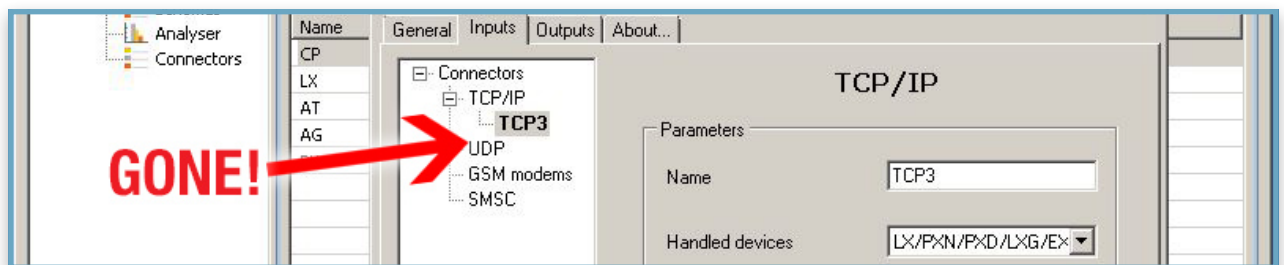
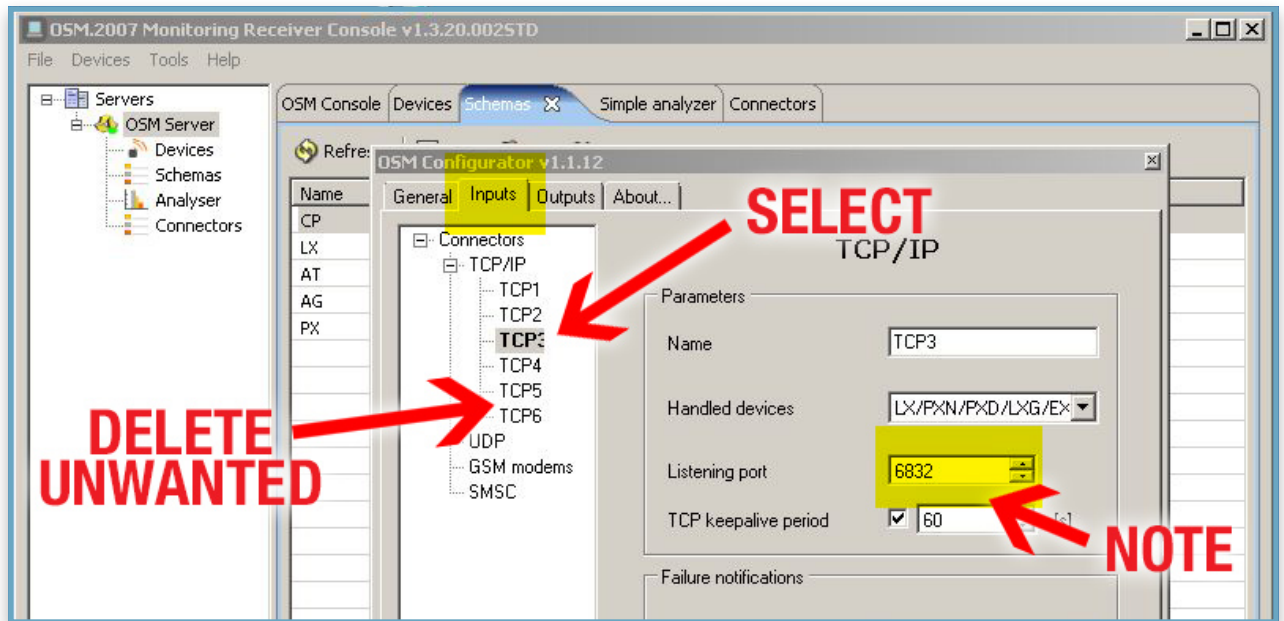
You might need to allow access through your **FIREWALL**. Above is the



solution for the default Windows Firewall, but you might have an additional hardware or software firewall to negotiate with.

Next, **RIGHT-CLICK** OSM SERVER and **SELECT** PROPERTIES





INPUTS TAB

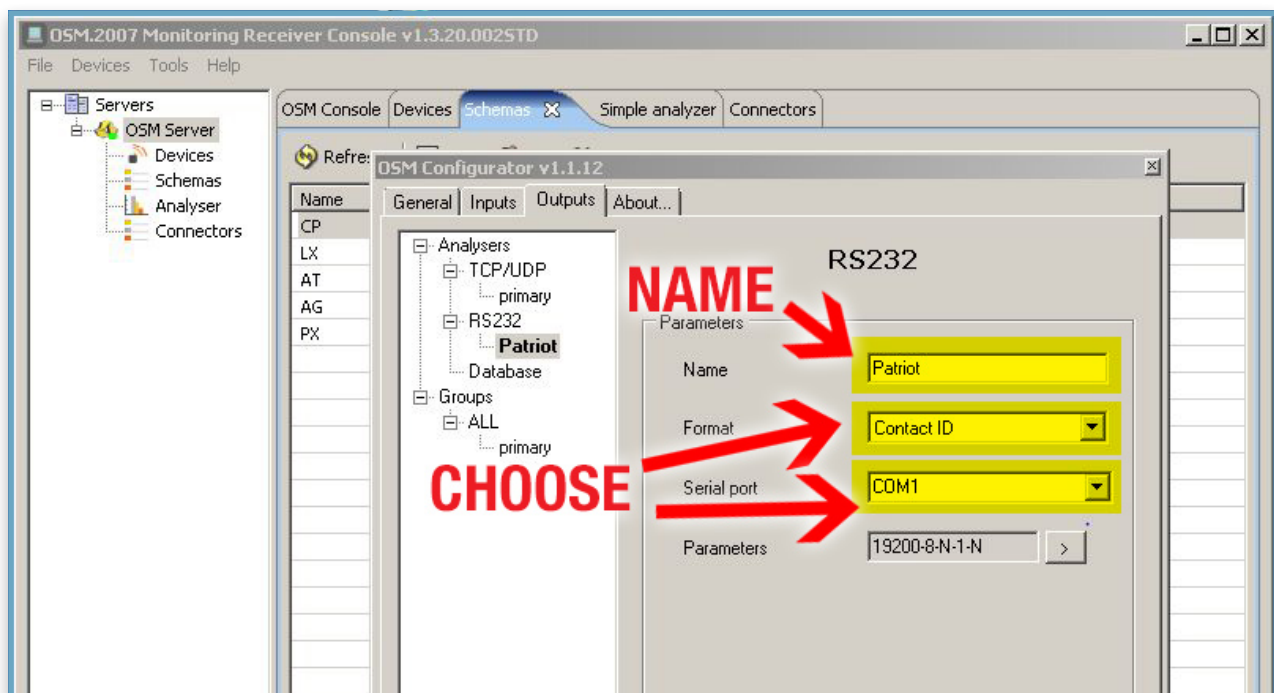
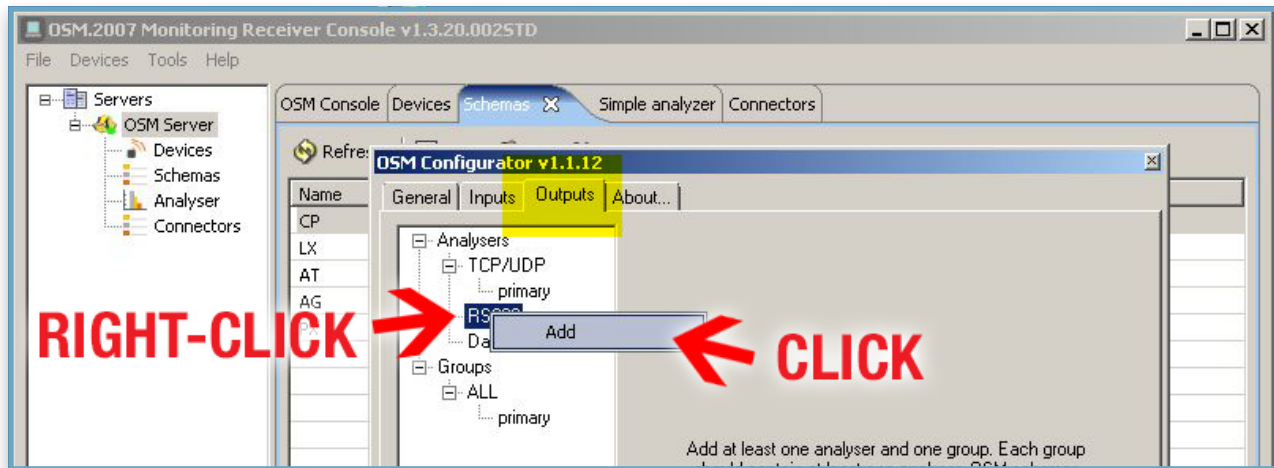
SELECT TCP3. You will see that the LX and EX transmitters are among the handled devices.

The other TCP settings are for unavailable devices and only clutter the software, so **DELETE** them.

Enter the **PORT** that you have assigned to the OSM Server with its fixed (static) IP address*. Port **6832** (shown) is the DEFAULT, but we advise that you change this to a Port of your choice that is not obvious.

*This PORT must be opened in your network firewall.

If you don't understand this terminology or are unsure how to do this, contact your IT professional or the person who looks after your network.



OUTPUTS TAB

RIGHT-CLICK on the RS232 tab.

CLICK ADD

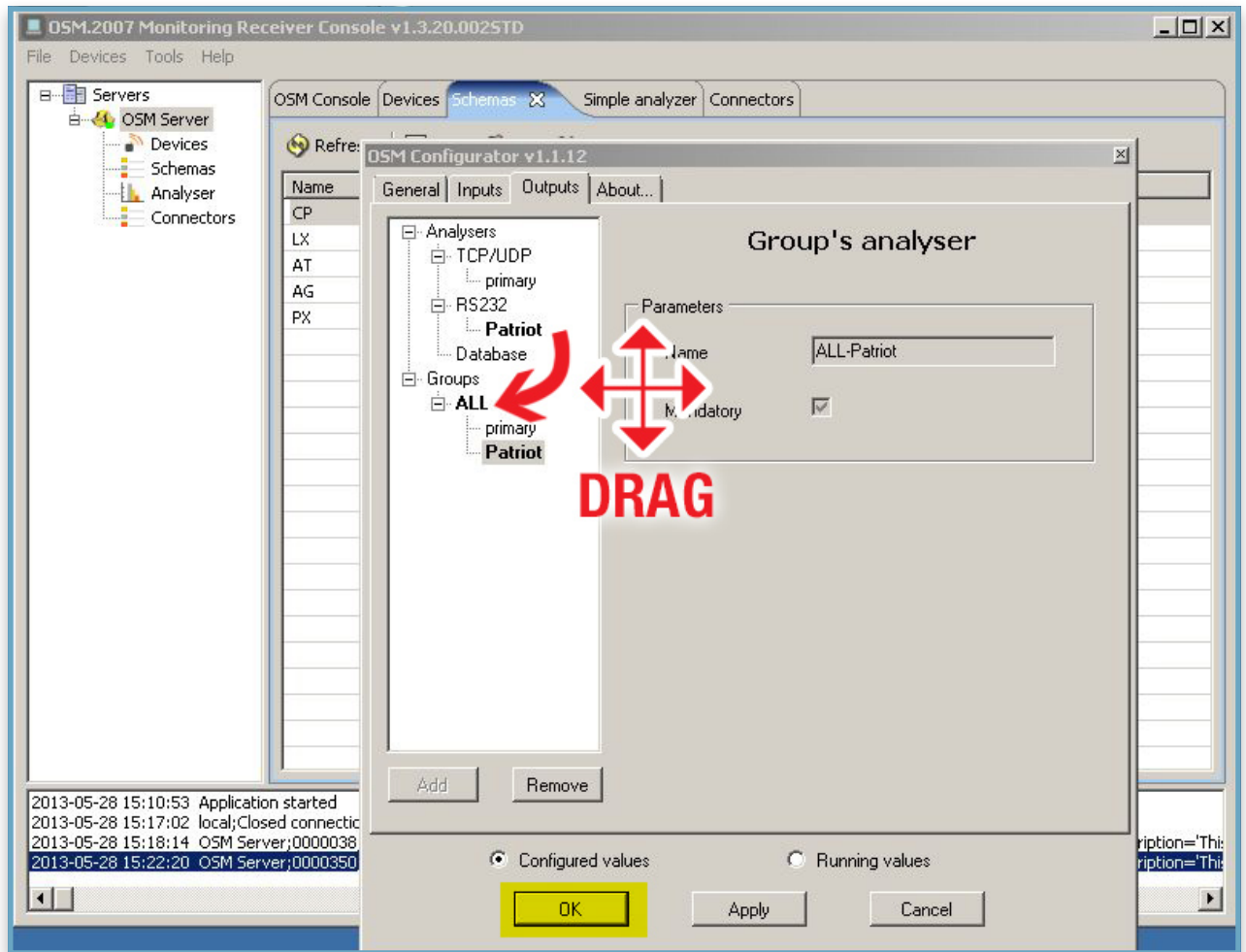
This will add a new ANALYSER

NAME the ANALYSER In this case we have called it PATRIOT

CHOOSE a format. In almost all cases this will be ContactID

The Serial Port should normally be COM1, but if there is a conflict,

CHOOSE another COM port



Now **CLICK** and **DRAG** the Analyser named PATRIOT down to the GROUPS tab and **DROP** it on ALL

CLICK OK



You SHOULD get this box as a result.

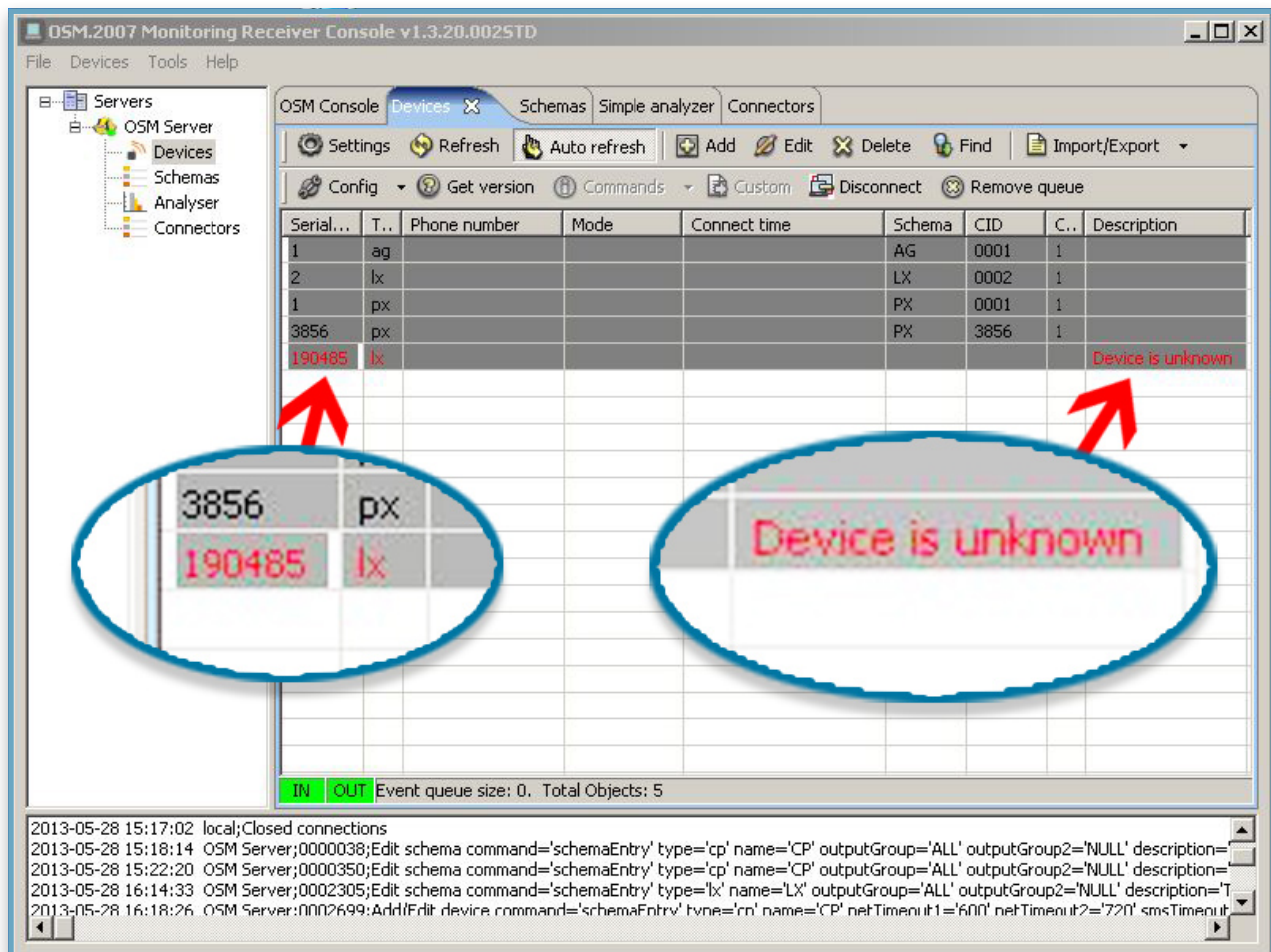
CLICK YES

By all rights OSM Console INSTALLATION is complete.

Connecting a Device

When a device is installed and set up correctly and connected to a transmission service (IP or Cellular), it automatically sends a signal to the OSM Console server.

(see **LX20/EX20 CONFIGURATION Instructions**)



When the device is first connected, you will get a **GREY** input with **RED** text and a description of DEVICE IS UNKNOWN (as shown above)

Note that there is a **UNIQUE** Serial Number, and the type of device is also given

NEXT

DOUBLE-CLICK on the grey entry for the unknown device

Add new device wizard - lx#190485

Adding new device
Please enter device parameters

Device type: LX/PXN/EC/TC/SM

Serial number:* 190485 Phone number:

Schema name: LX

Cipher key:

SMS Cipher key:

Access code:

Description: 123 Anywhere Street
SOMEWHERE

Advanced settings

XML name:

SIA name: SIA line: 1

Contact ID name: 5555 Contact ID line: 1

Decode DTMF: DTMF obj. number from msg: ☐

< Back Next > Finish Cancel

The DEVICE TYPE and SERIAL NUMBER will be filled already.

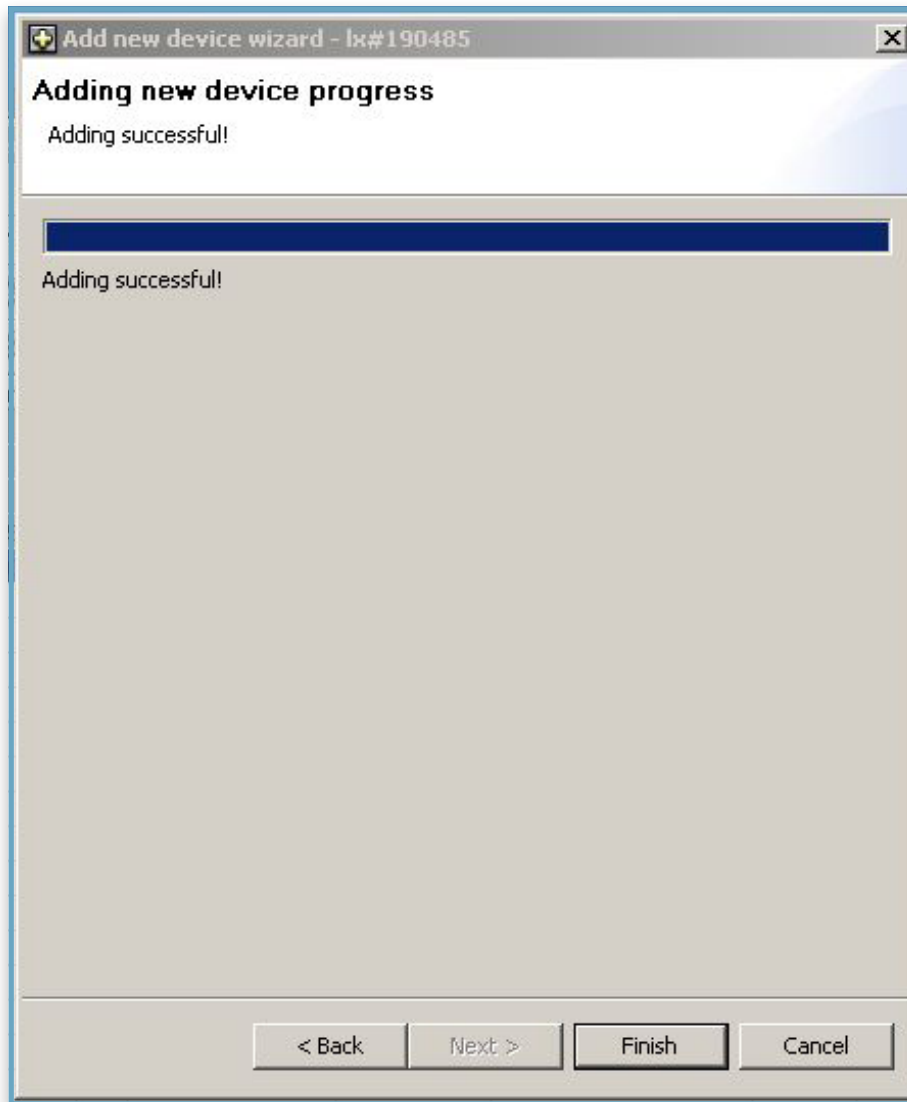
Description

Enter a description for this device. Location or address is probably the best way to identify the device. Owner's name is also a possibility.

ContactID Name

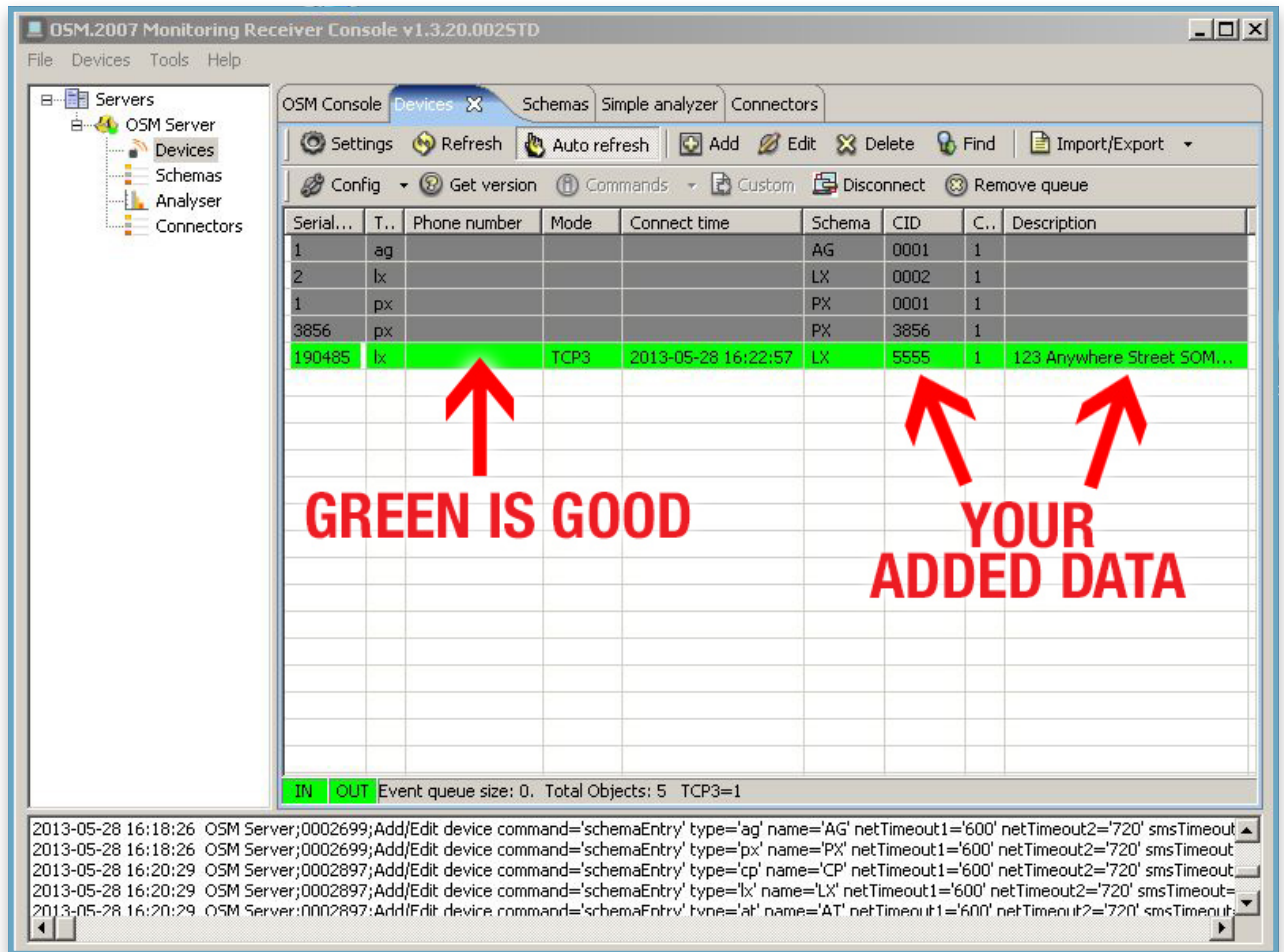
This is how your Monitoring Station software will identify the device. Best to be the Client Number or Identification.

Click NEXT



The new device is added.

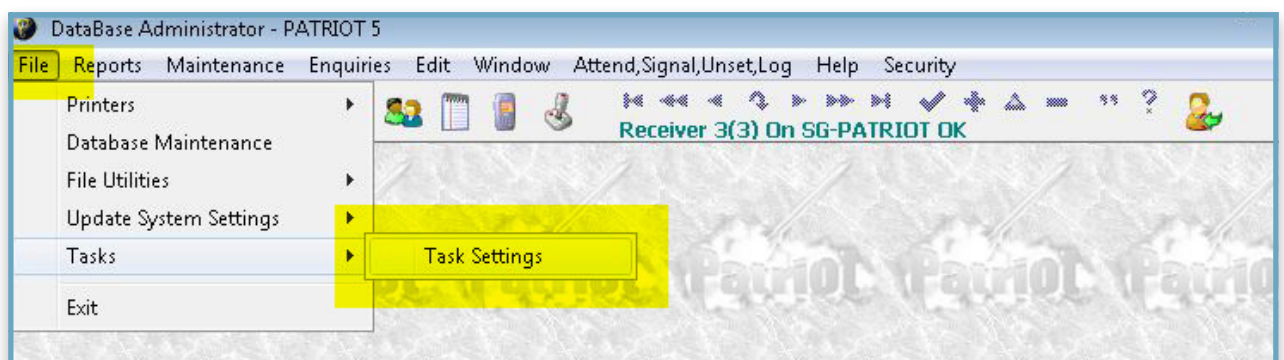
Click FINISH



After a few minutes the entry for the new device will turn GREEN.
Notice that your added data is now in the record fields.

Connecting to Station Monitoring Software

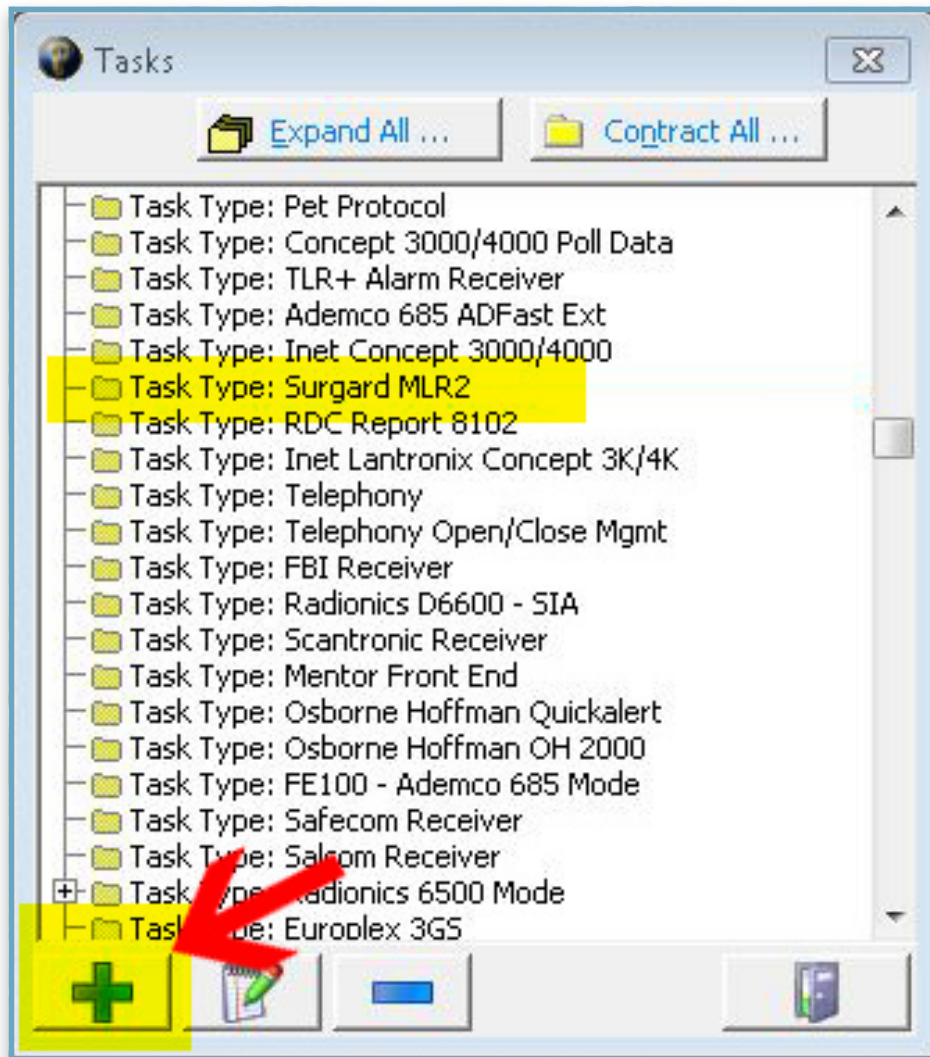
Connecting to the existing Monitoring Station software and database will depend on which software is used. This example uses Patriot (5.xxx) and connects through RS232 (Serial Cable).



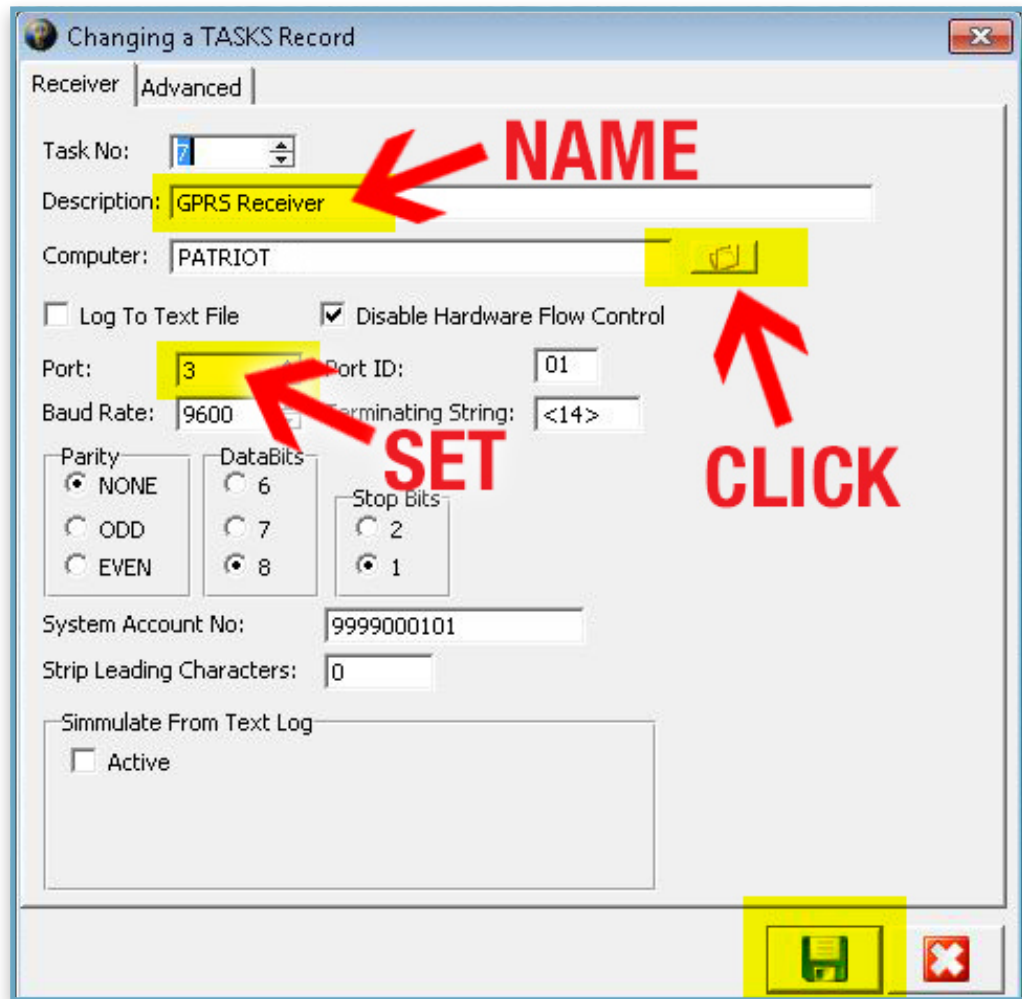
Patriot

In **PATRIOT** click FILE / TASKS / TASK SETTINGS

Find the TASK TYPE: SURGARD MLR2



CLICK on the Task Type and **CLICK** the big **+** button at the bottom



Description

Give the task a descriptive name, In this case GPRS RECEIVER.

Computer

CLICK the BOX beside the COMPUTER SETTING to populate the field with the name of the computer on which the Patriot Server is located.

Port

In this example there are already two RECEIVERS connected to the Patriot Server, occupying COM 1 and COM 2, so the OSM Server is set to **COM 3**

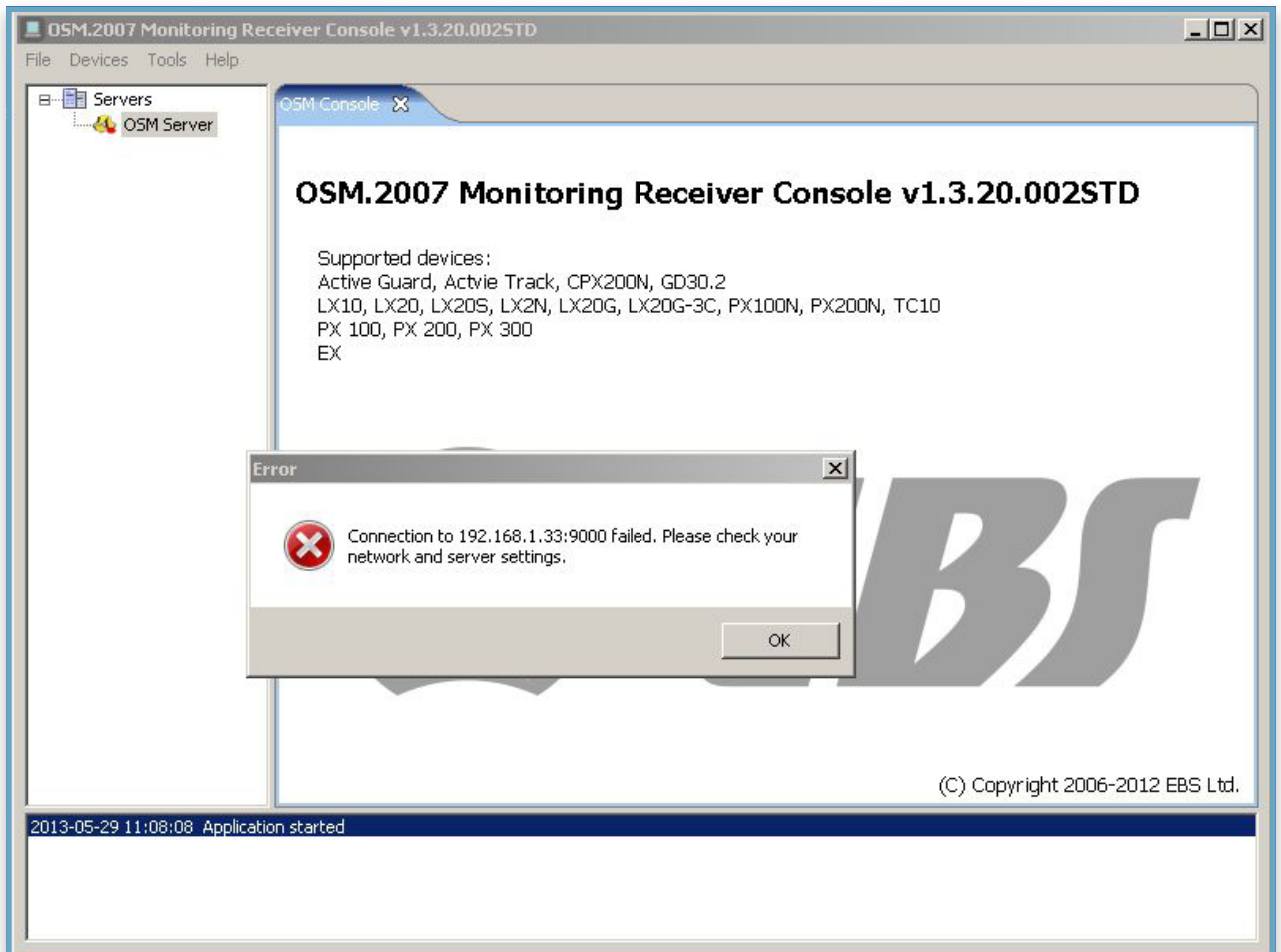
Click the SAVE button



You will need to **RESTART** the Patriot software to complete the addition of the new TASK.

Troubleshooting

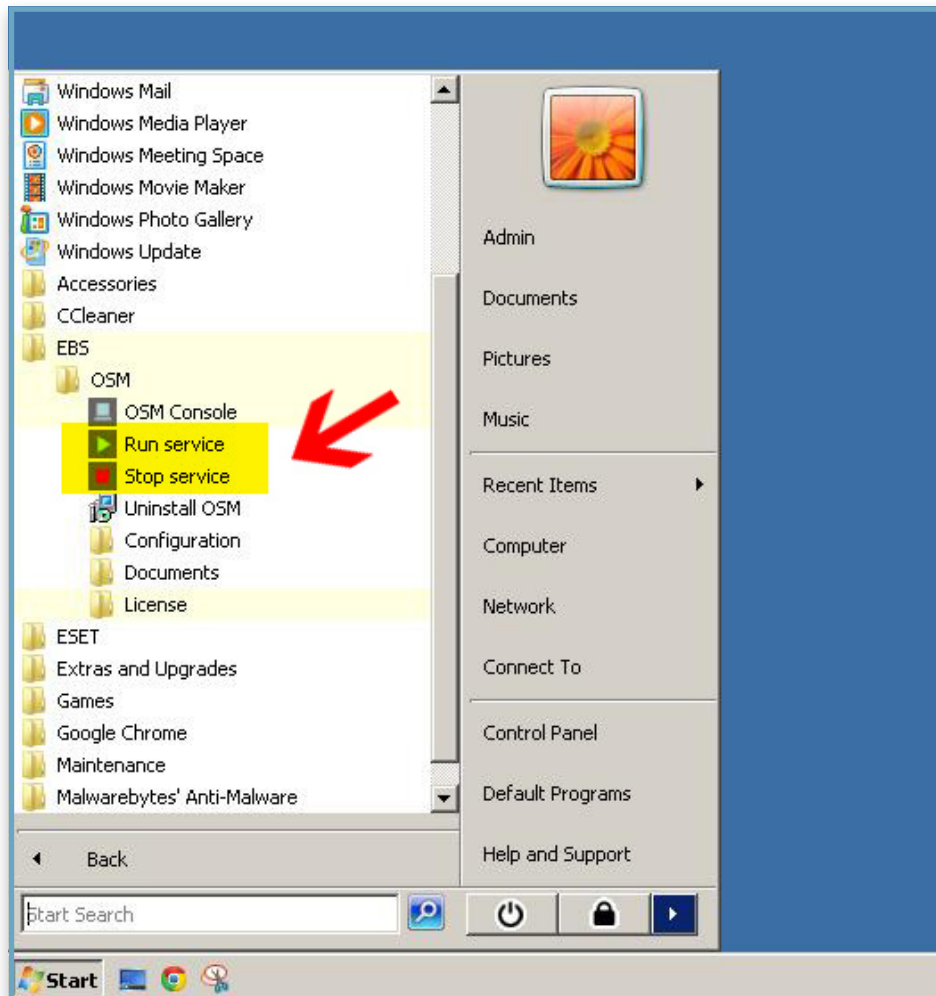
The most likely cause of trouble when setting up a new RECEIVER software will stem from the Firewall(s) preventing access.



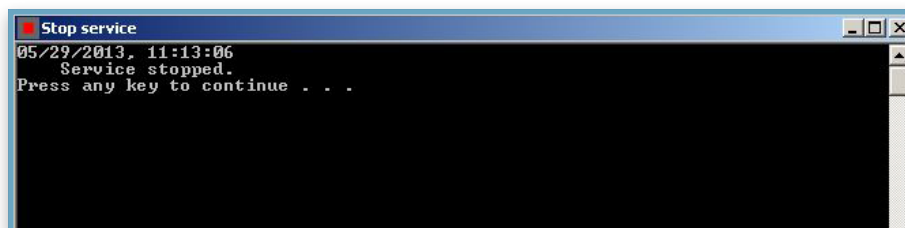
If you get this message (above) and the Windows Firewall has been turned off or the access has been UNBLOCKED (as detailed on Page 12), you might need to **STOP** the Service, and **START** it again.

Start Menu

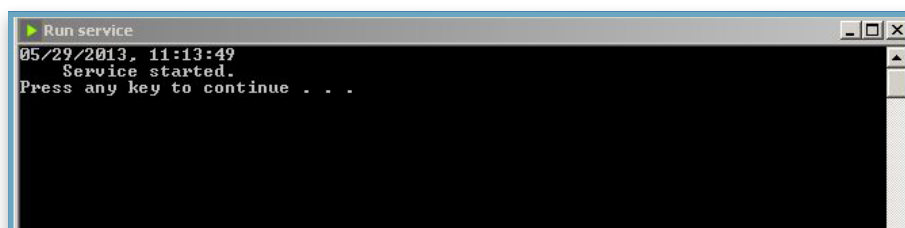
Go to the START MENU



CLICK STOP SERVICE and the following box will appear...



Then **CLICK** START SERVICE...



All should be **GOOD** in the world.

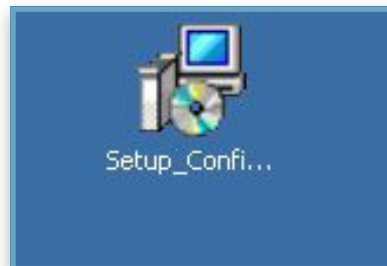
Installing Configurator Software

NOTE: Although the configuration software can be installed on the same computer as the OSM Monitoring software, we DO NOT recommend this.

The reasons for this are:

1. If you are monitoring, say, 200 clients through the OSM Console, and you start plugging and unplugging RS232 cables into the machine, and connecting to power supplies/transmitter boards, and you experience a Windows or a hardware failure, you lose your Monitoring Connection to those 200 clients, and
2. If you install the configuration software on a laptop, it is able to take away with you on site. Alternatively, the boards are able to be configured in a workshop environment, rather than a server room.

In this example we will assume that installation is a different computer. To install on the SAME computer, you will need to take special notice of such things as COM ports and IP addresses.



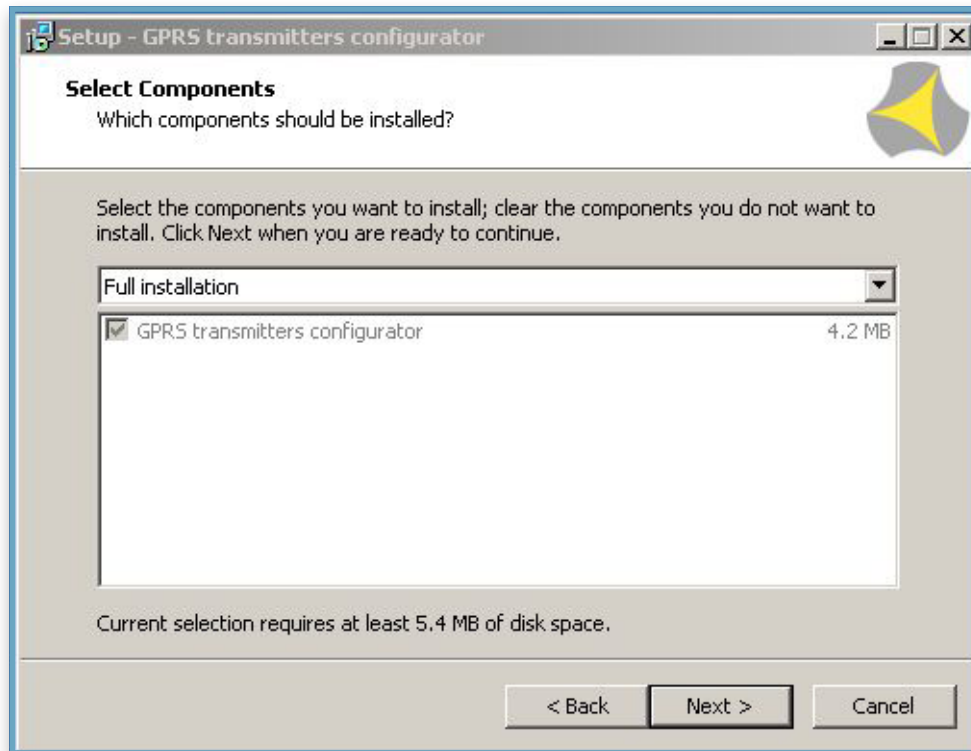
Installation

On the same CD or location as the OSM Installation software you should also find the Configuration Software file;

Setup_Configurator_v1.3.20.4

NOTE: this is the file version at time of printing. The version you have might be later, and be numbered higher. If your version is numbered LOWER, be aware that there is a later version.

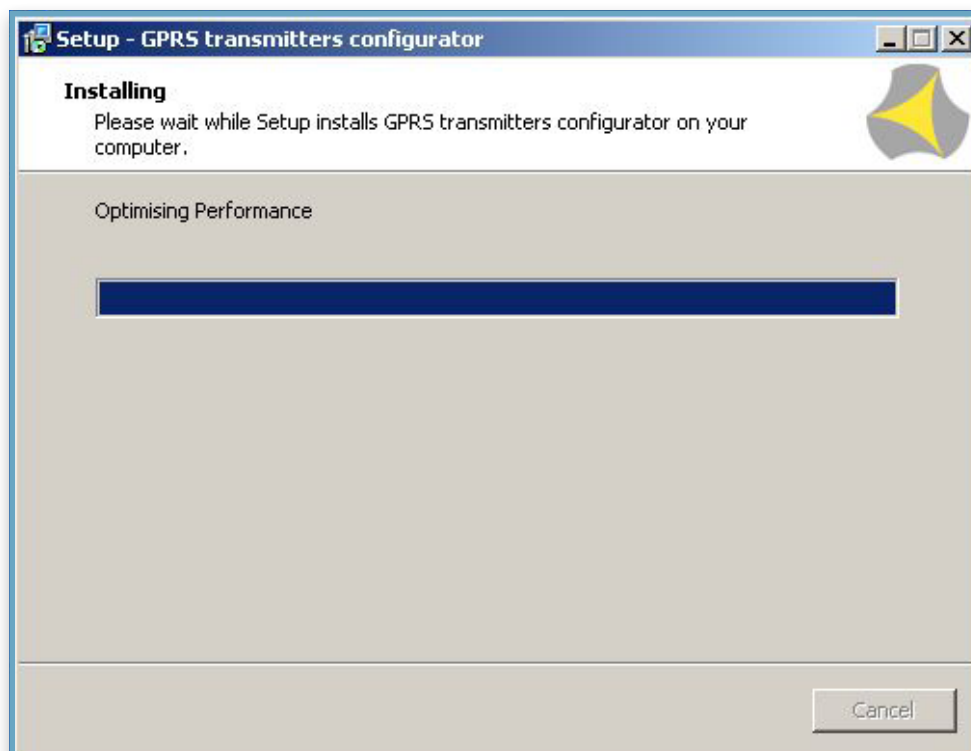
DOUBLE-CLICK the installation icon

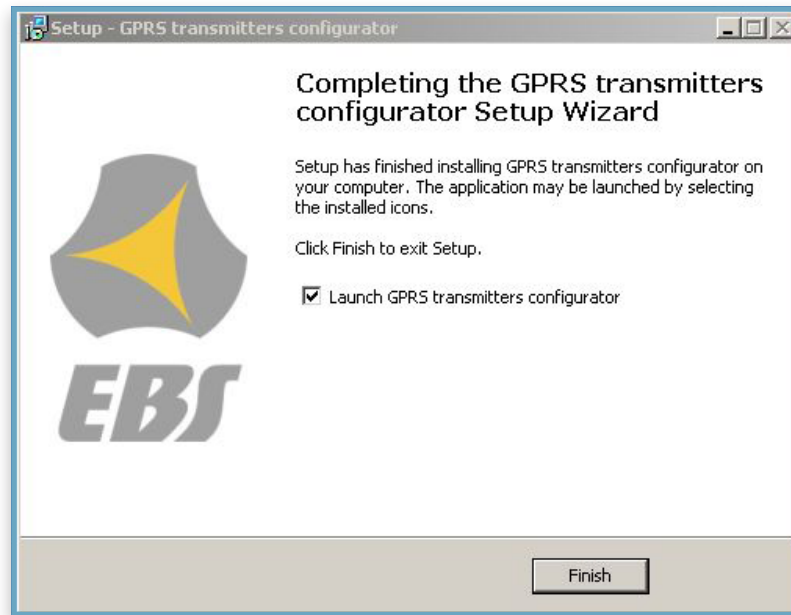


You want to choose **FULL INSTALLATION**

CLICK Next

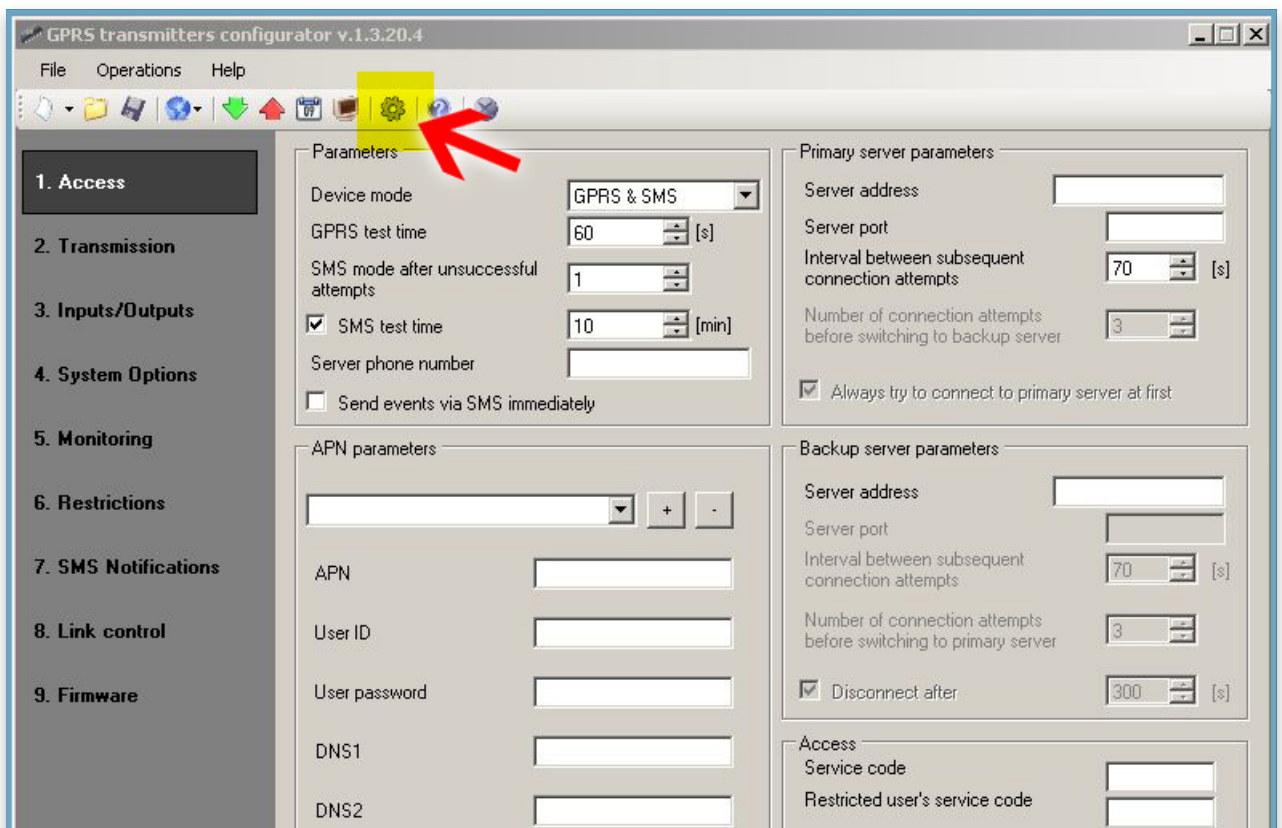
Now follow the instructions as to where to install the software, whether or not you want desktop icons etcetera.



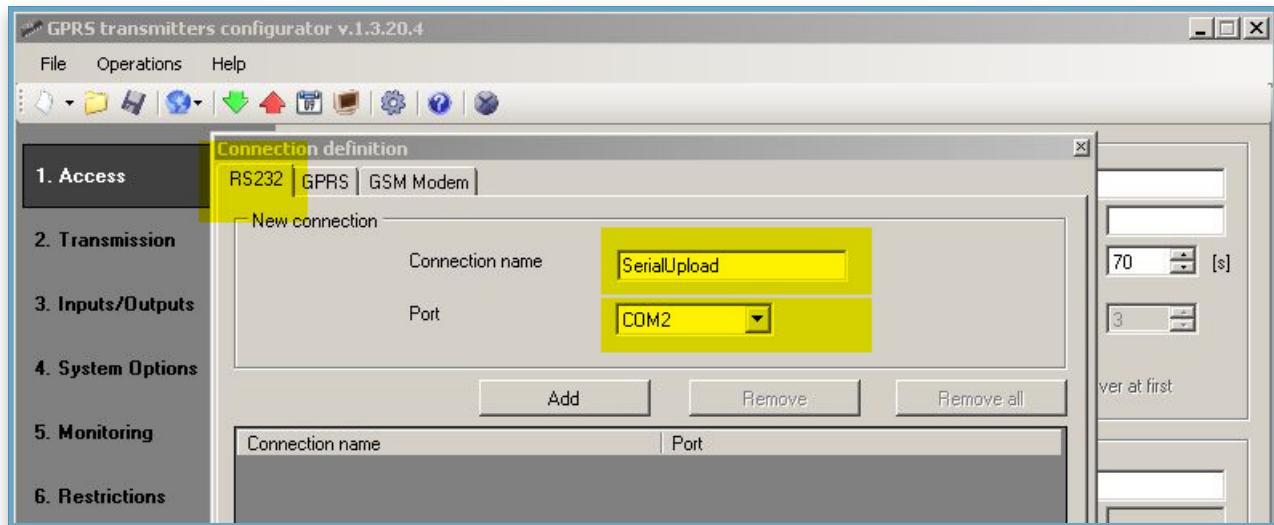


CLICK Finish

Configuring the Configurator



CLICK the COG/CONFIGURATION icon



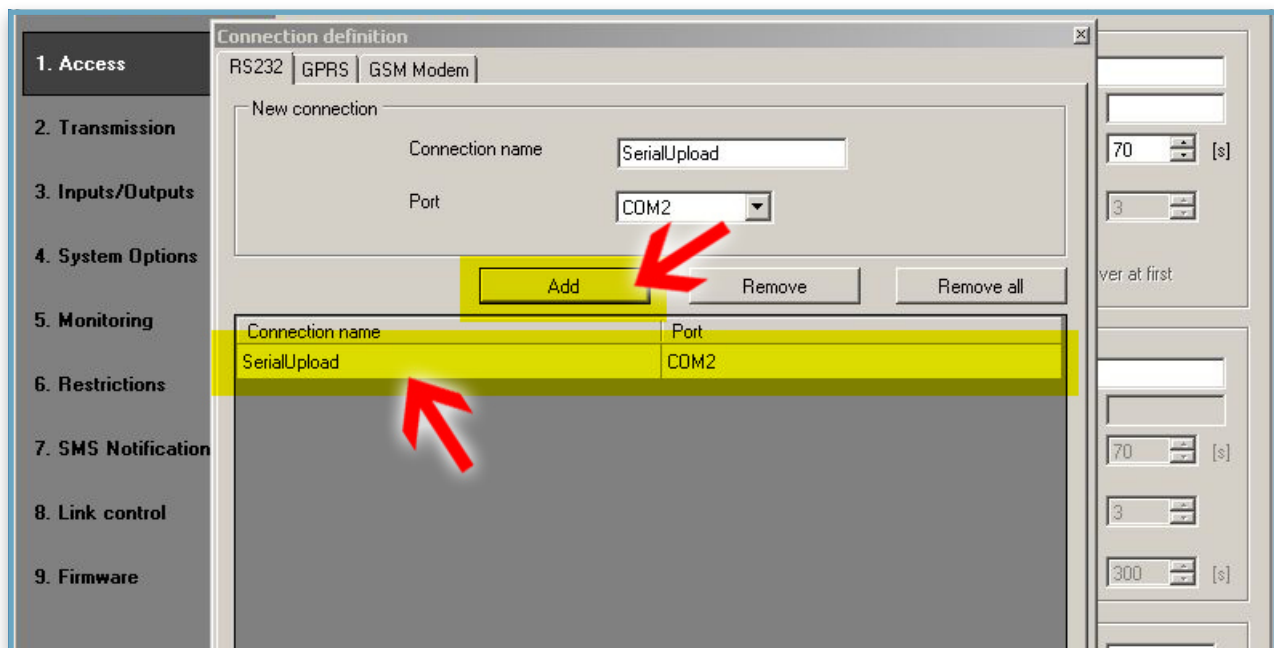
SELECT RS232

Connection Name

Give the connection a **NAME**. Can be 'Serial' or anything you choose to identify the RS232 Connection

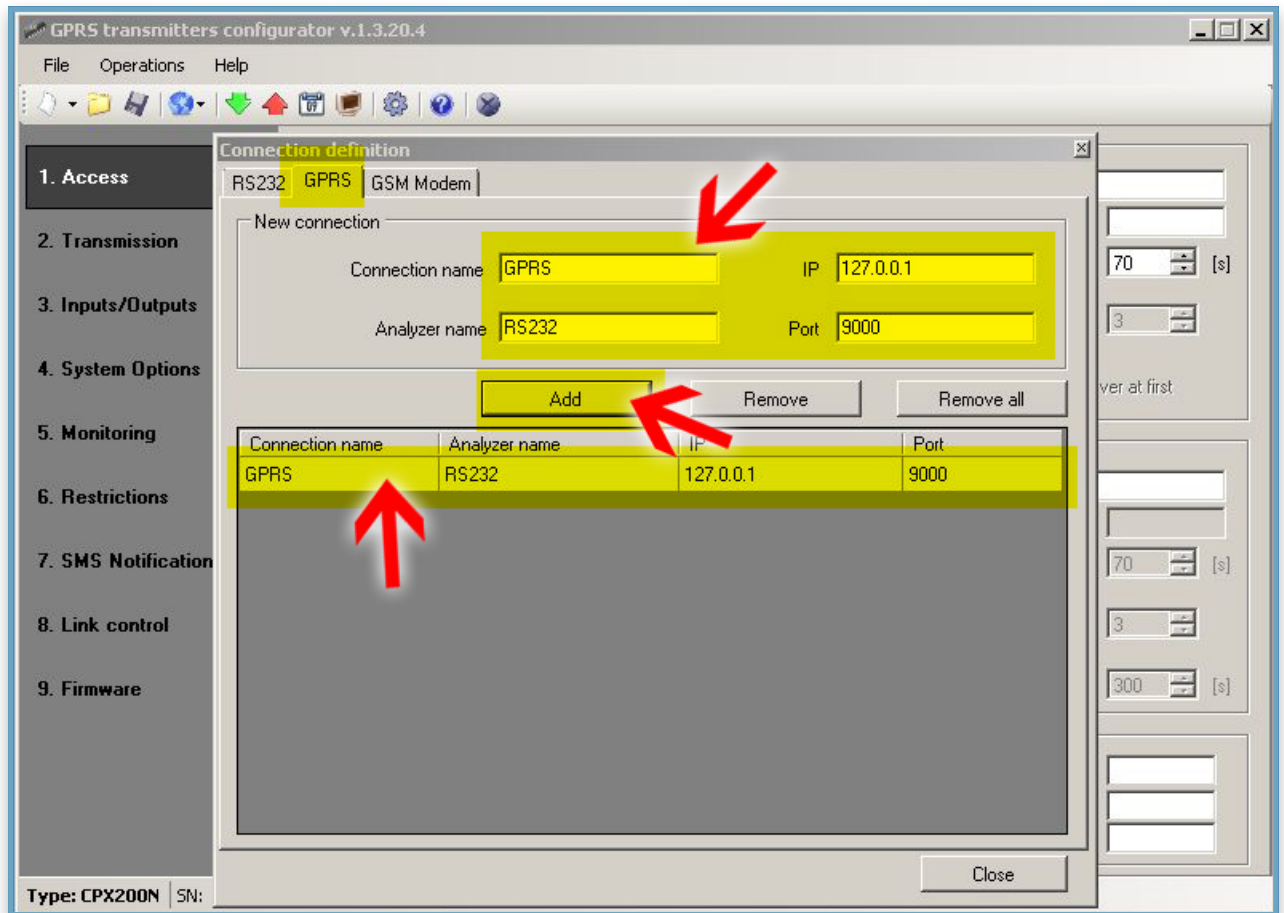
Port

SELECT a Port. In this case we have selected COM 2 just in case a device is already using COM 1



CLICK ADD

The **Connection Name** and **Port** should appear in the list as shown above.



SELECT GPRS

Connection Name

Give the connection a **NAME**. Can be 'GPRS' or anything you choose to identify the GPRS Connection

IP

ENTER the loopback IP address (127.0.0.1)

Analyzer Name

ENTER a name for the Analyzer. We called it **Patriot** in the RS232 configuration, so Patriot is OK. Or it could be RS232.

Port

ENTER 9000.

This is the default and there is no reason to change it.

CLICK CLOSE

The Configurator is now ready. To see how to configure LX20 and EX20 transmitter boards, see **LX20/EX20 Configuration Instructions**:

