ServersCheck

Quick Installation Guide – Signal Light Tower

This document is intended to help you configure a Patlite PHE-3FB Signal Light Tower to operate with the ServersCheck Monitor Software.

The installation steps below are for a Windows 2003 Server installation. Installation process on other platforms is similar.

1. Requirements

1.1 Tibbo Device with serial cable
You need to have the Tibbo device server (DS203A or DS203) to operate the Signal Light Tower with ServersCheck. You will need to download and install the Tibbo drivers as detailed further in this document. The Tibbo device server is required to create a virtual serial port on your system.

1.2 Patlite Signal Tower PHE-3FB
Only this model of Patlite's Signal Towers is certified to work with ServersCheck

2. Installing the Tibbo Device Server

By using the concept of serial port tunneling with the Device Server we can actually send serial port communications over the network. This is done by creating a **virtual serial port** on the host running the ServersCheck Monitoring Software.

You need to download the software from following url:
http://files.serverscheck.net/utilities/TDST_3-9-82.exe

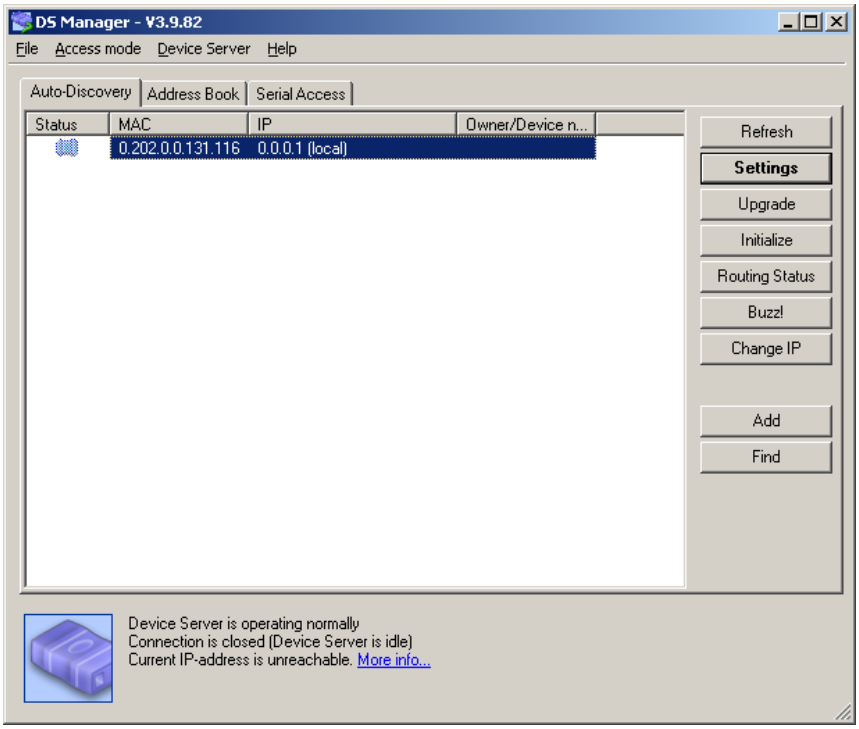
Install the software on the host running the ServersCheck Monitoring Software.

Now take the device server. Plug in the network cable and then power it using the adapter shipped with the device. Make sure that both the device server and the host computer are in the same network segment.

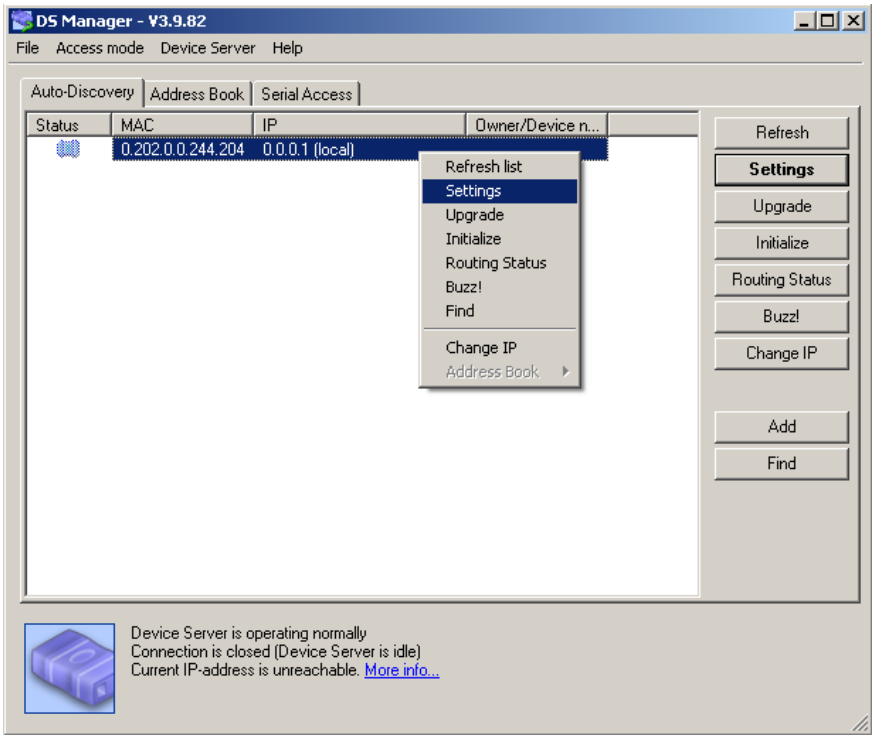
We first need to configure the Tibbo Device Server.

Go to **Start > All Programs > Tibbo > DS Manager**

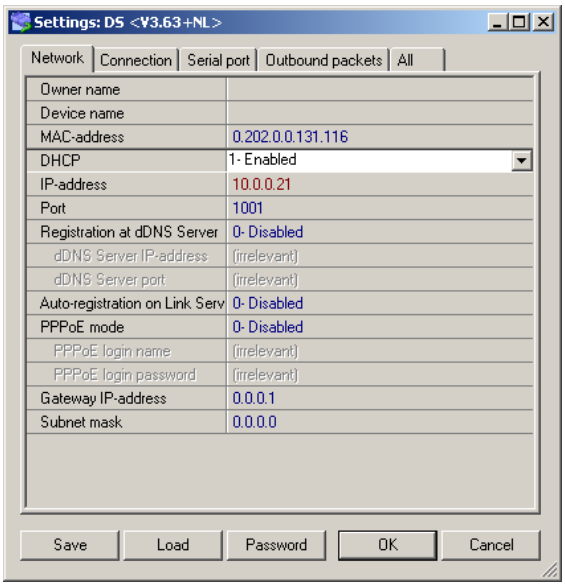
This will start the DS Manager software. It will immediately scan your network for any device servers that it can find and list them as shown below:



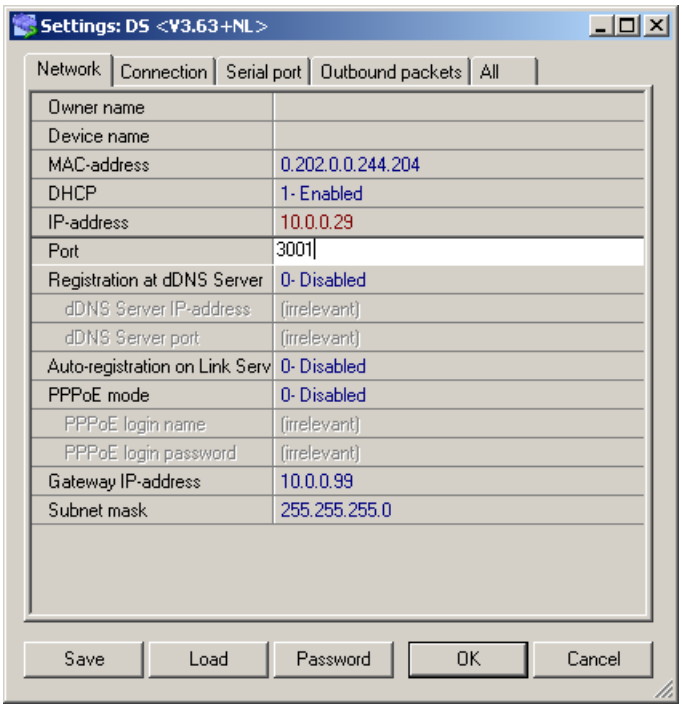
Right click on the device you just found and click on **Settings** or use the **Settings** button in the menu on your right.



This action will open a new window where you can configure the network settings. Default operation mode is fixed IP. You can also select to use DHCP as shown below. When you change the value then this will be directly applied to the device server. You can get a message after that it could not detect any devices. Simply click on the **Refresh** button on your right in the above screen. Note that you do not have to assign it with an IP, the Virtual Port manager can communicate with it using the MAC Address (provided it is in the same segment).

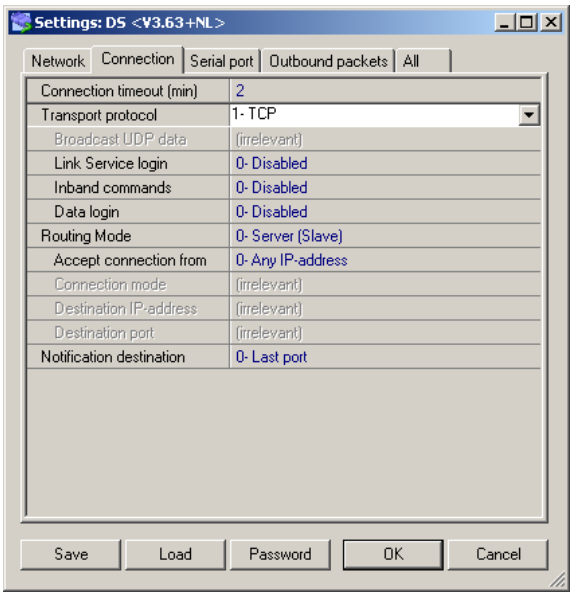


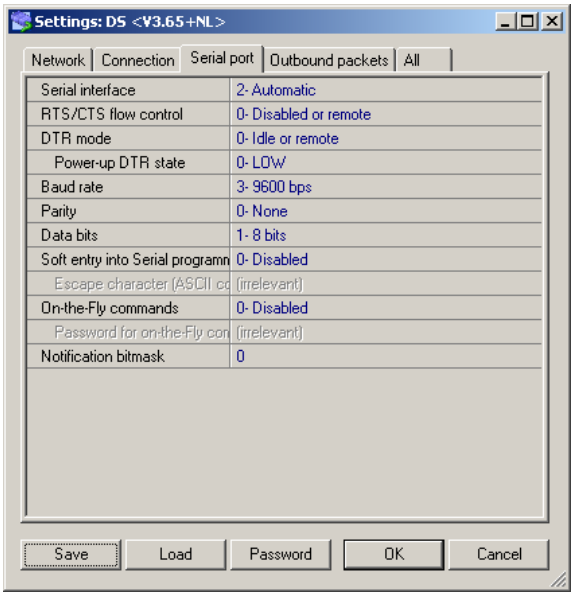
Click on **Port** and set then value to **3001** , then click on **OK**



Now click on the **Connection** tab after having set your network settings

Set the transport protocol to **TCP** and the **Connection timeout (min)** to **5**
Click on the **Serial Port** settings tab and set the baudrate to **9600** bps





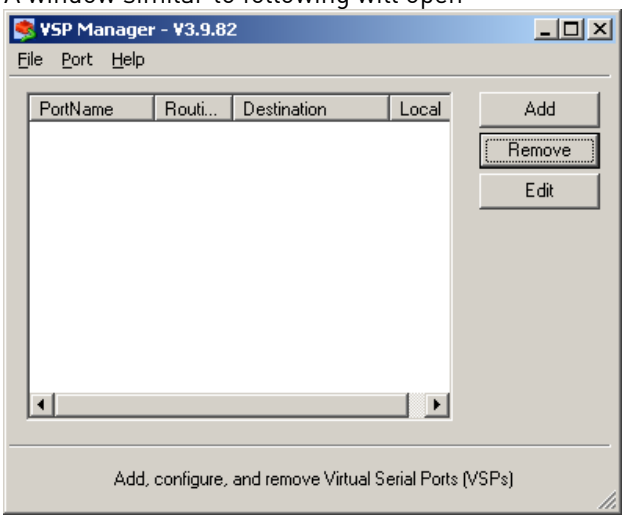
Click on the **OK** button. The Tibbo Device Server is now configured.

3. Installing a Virtual Port

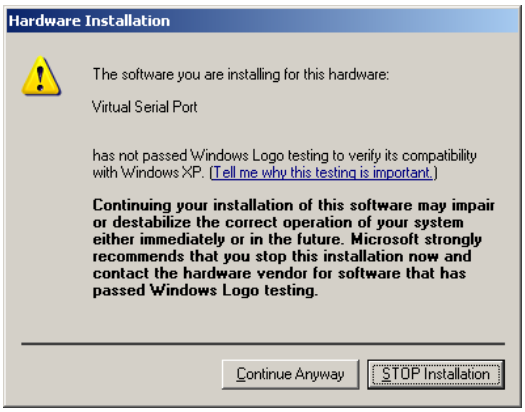
We are now adding the virtual port on the host running the ServersCheck Monitoring Software

Go to **Start > All Programs > Tibbo > VPS Manager**

A window similar to following will open

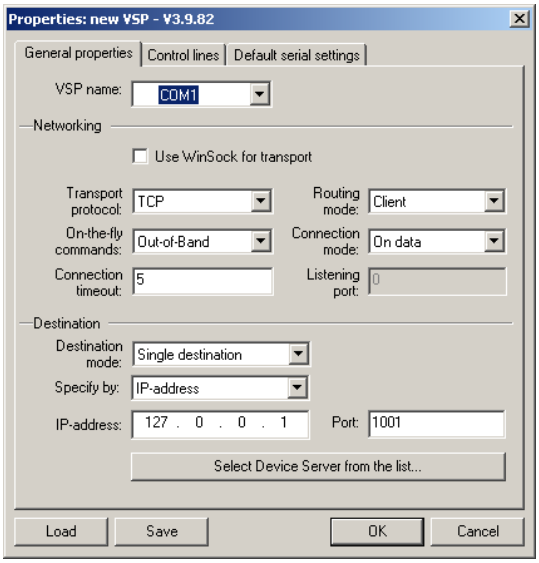


Click on the **Add** button



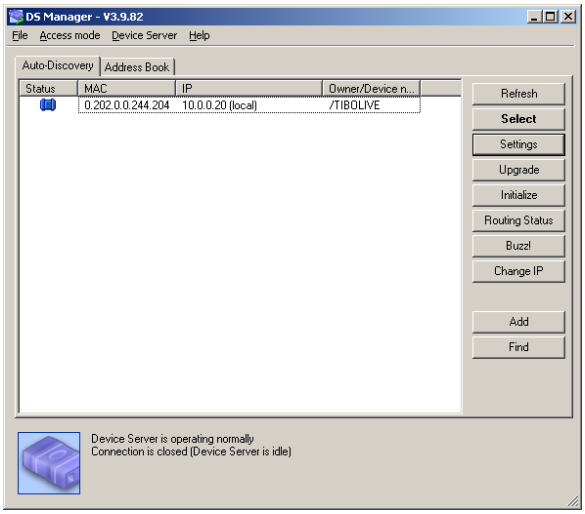
Click on the **Continue Anyway** button

In the following screen first select the **COM** port in the field VPS name. We recommend taking one above 20 so that you are sure that no other app uses it. Enable the field **use Winsock for transport**

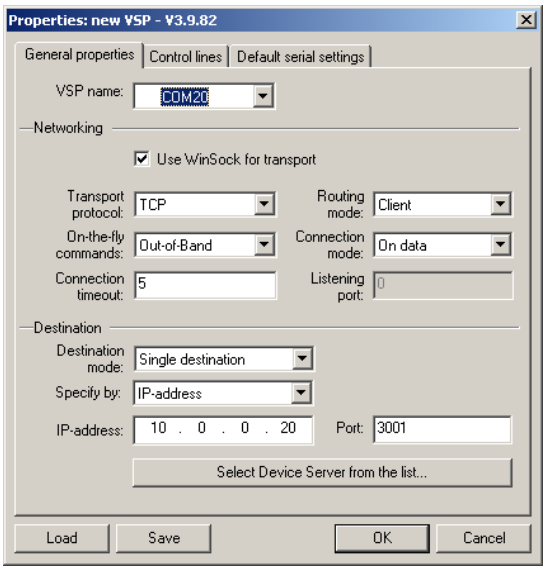


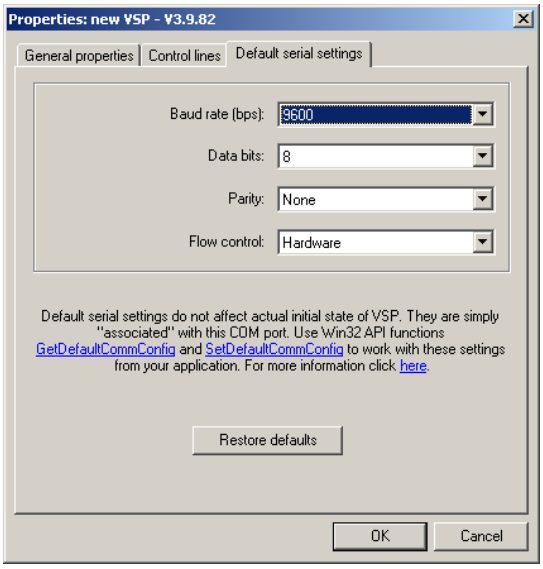
Click on the button **Select Device Server from the list**

The DS Manager will open. Now click on your Tibbo Device Server for the Signal Light Tower and click on the **Select** button



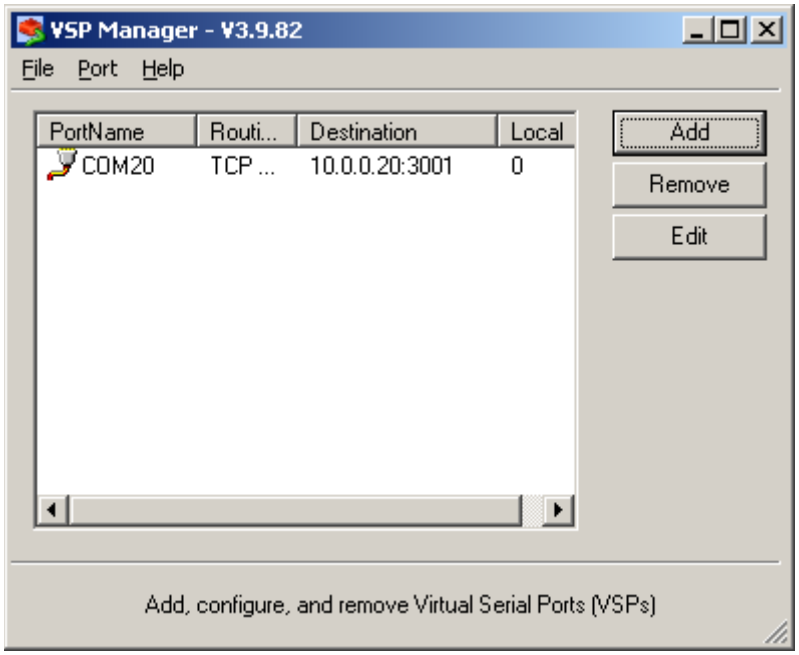
You will now see our Tibbo Device being selected. Click on the **Default serial settings** tab and set baudrate to **9600** bps





Click on **OK** when done

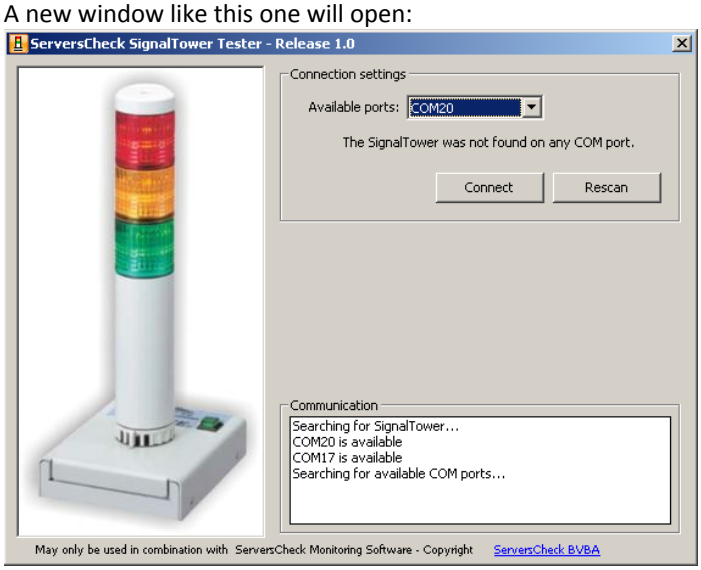
You should now see your new virtual serial port in the list



4. Testing the Signal Light Tower

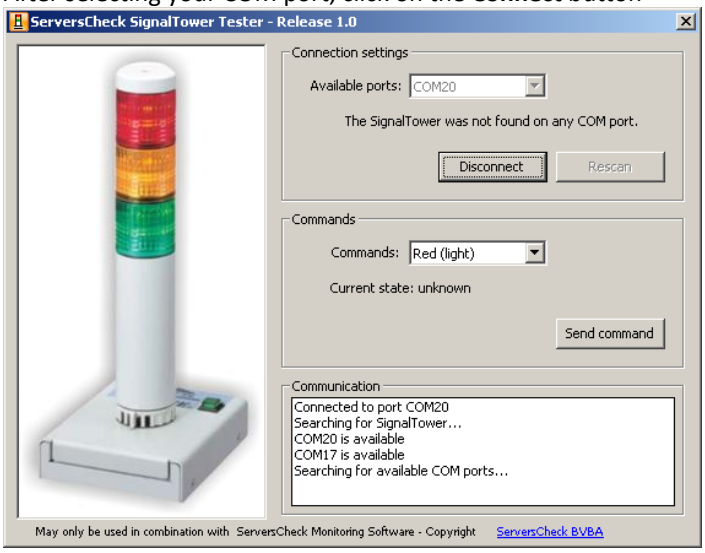
Launch the **Signal Tower Tester** application in the /add-ons subdirectory of the ServersCheck Monitoring Software.

A new window like this one will open:



If the newly created COM port is not visible, then click on the **Rescan** button

After selecting your COM port, click on the **Connect** button



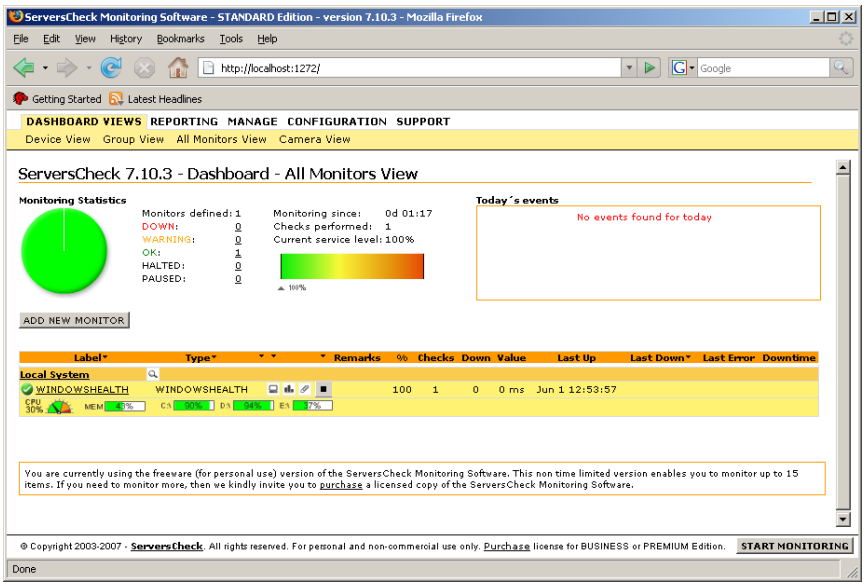
Select the command and click on the **Send Command** button. The tower should now light up as you defined.

If that is correct, then your tower is configured. We now just need to define it in the ServersCheck Monitoring Software.

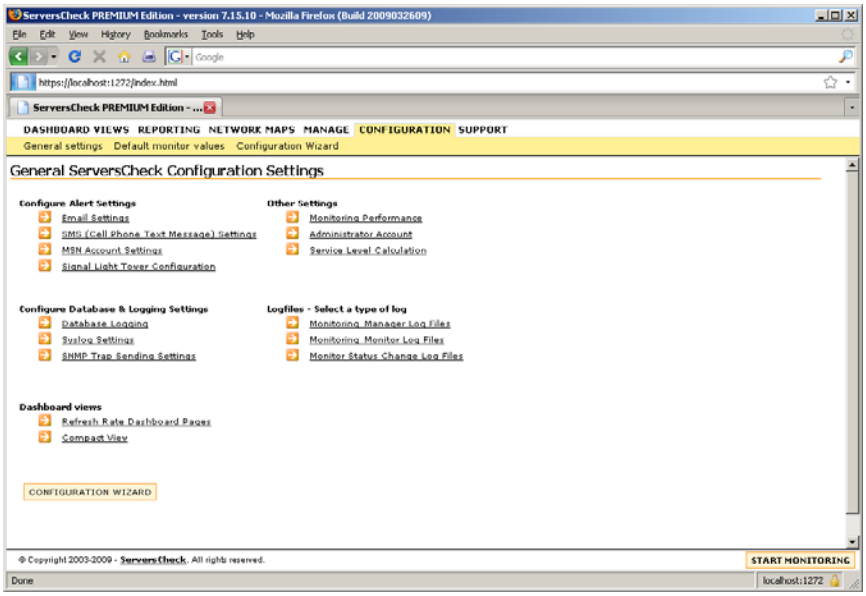
Now make sure to quit the Signal Tower tester application.

5. Configuring Signal Tower in the ServersCheck Monitoring Software

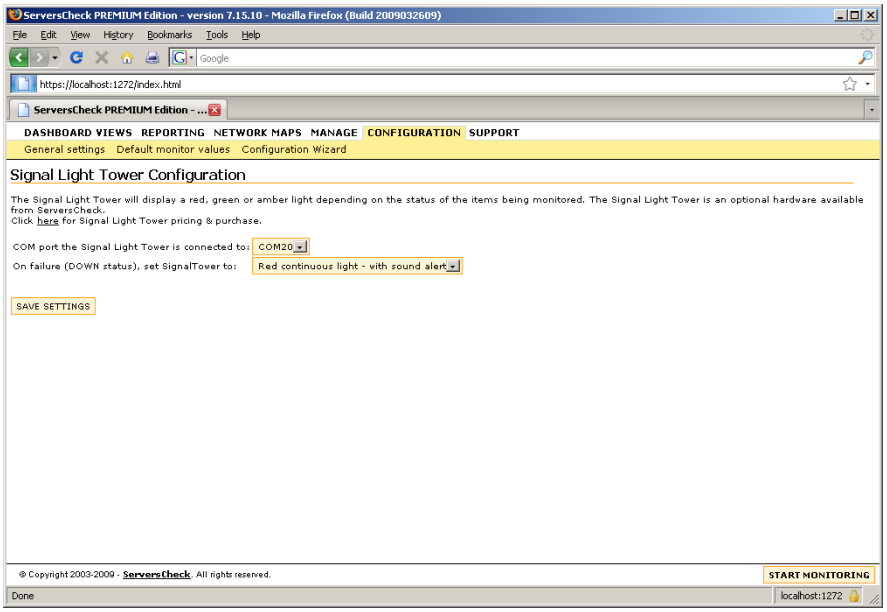
Go to the home page of the ServersCheck Monitoring Software by pointing your browser to http://localhost:1272



Go to **Configuration** > **General Settings** and then click on **Signal Light Tower Configuration** link



Select the COM port configured earlier. In our example this was COM Port **20**
Select the type of alert on failure and click on **Save Settings**



Restart the ServersCheck Monitoring Service and the Signal Light Tower is ready to be used.