# Remote Diagnostics with the eWON Cosy 131 Quick Start

ORMEC offers three versions of remote diagnostic support via the eWON Cosy 131. The eWON Cosy 131 is an industrial VPN LAN router that allows ORMEC personnel to securely access your ORMEC equipment remotely to provide service and support.

ORMEC Part Number	ORMEC Description
RDP-C131-E	Industrial VPN LAN Router with 3 port Ethernet switch Uses a hard wired connection to the Internet
RDP-C131-C	Industrial VPN LAN Router with 3 port Ethernet switch and Cellular **NOTE: CELLULAR SERVICE IS NOT INCLUDED, YOU MUST PURCHASE AND INSTALL A SIM CARD FROM A CELLULAR PROVIDER IN THE UNIT.** Uses either a hard wired or cellular connection to the Internet
RDP-C131-W	Industrial VPN LAN Router with 3 port Ethernet switch and WiFi. Uses either a hard wired or WiFi connection to the Internet

The eWON Cosy is pre-configured at ORMEC for a hard-wired connection to the Internet (WAN). If you are going to use a direct connection to the Internet all you need to do is connect the WAN port to the Internet and one of the 3 LAN ports to the machine network. This could be a switch in the machine cabinet or directly to an SMLC or XD drive if there is no switch.
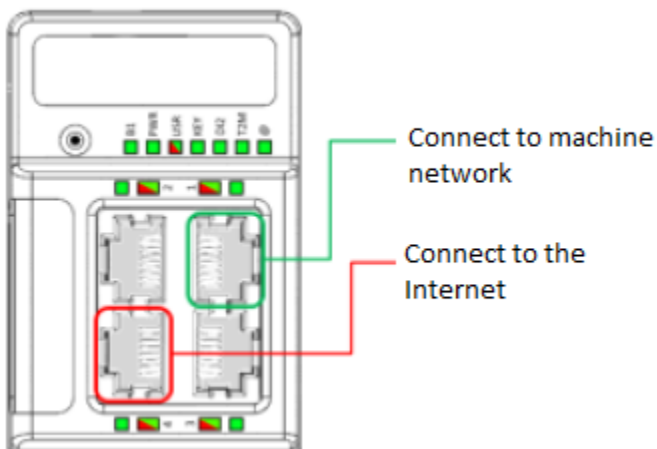
The LAN network address of the eWON unit is preconfigured as 192.168.0.99 for connection to an SMLC network. If your equipment is on a different subnet, or if you have XD drives (which default to the 192.168.1.x subnet) then you will need to change the LAN IP address of the eWON using eBuddy as documented in Appendix A.

If you are using a hardwired connection to the Internet you are done! The rest of this document covers the configuration for the WiFi and Cellular models.

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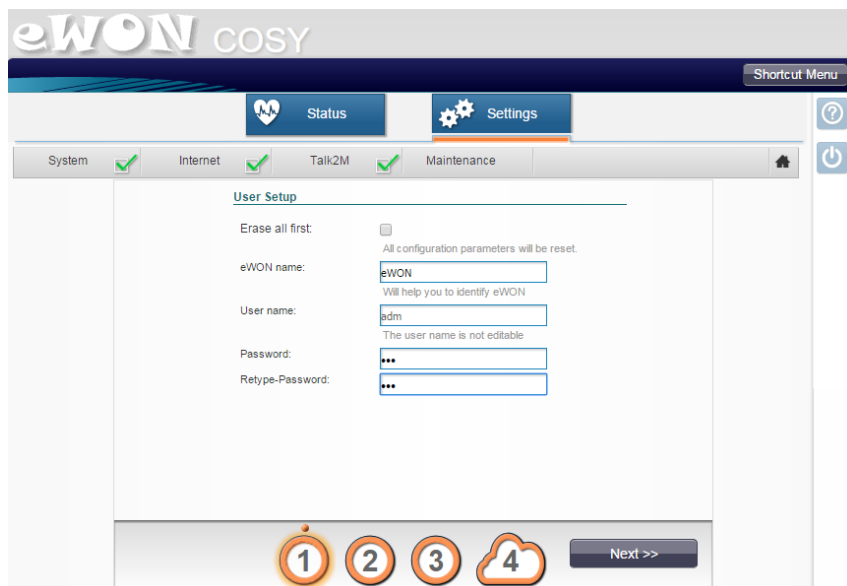
Configuring a WiFi or Cellular connection

Connect a computer to the machine network (LAN). It must be on the same subnet as the eWON. The eWON comes configured from ORMEC with an IP address of 192.168.0.99 so the computer must be on the 192.168.0.x subnet (and not at .99).

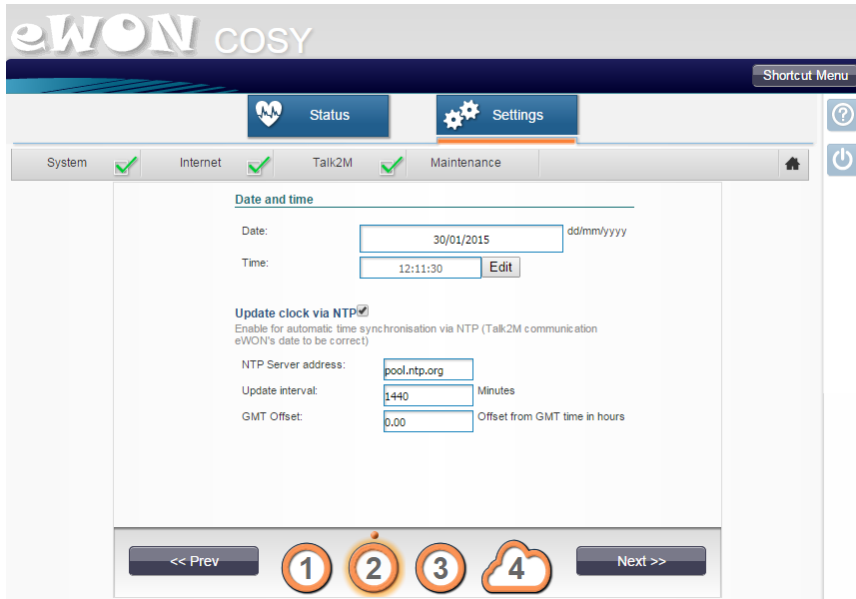Open a web browser and enter 192.168.0.99 as the URL.
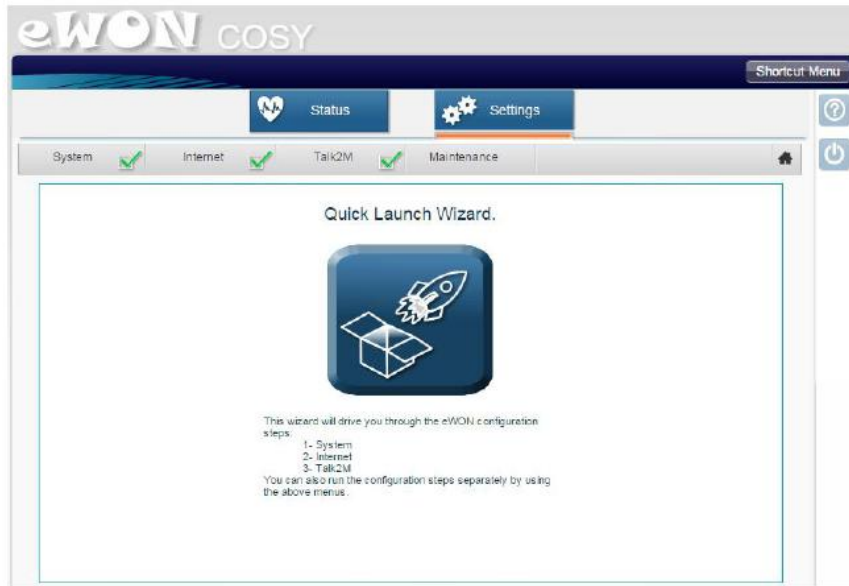
Click on the Quick Launch Wizard button

Enter adm for the user name and adm for the password and then click Next
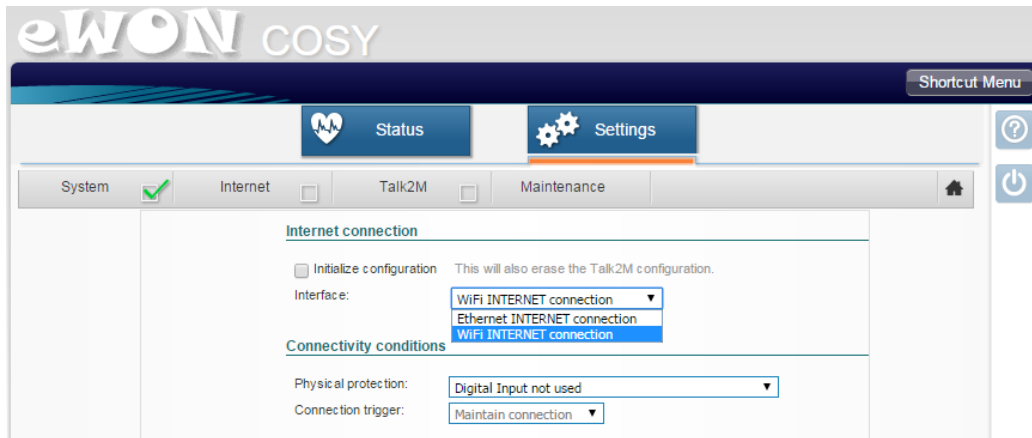
System date and time can be set manually or automatically using NTP on this page.

You can change which port is connected to the WAN but it is suggested that you use the default shown above.
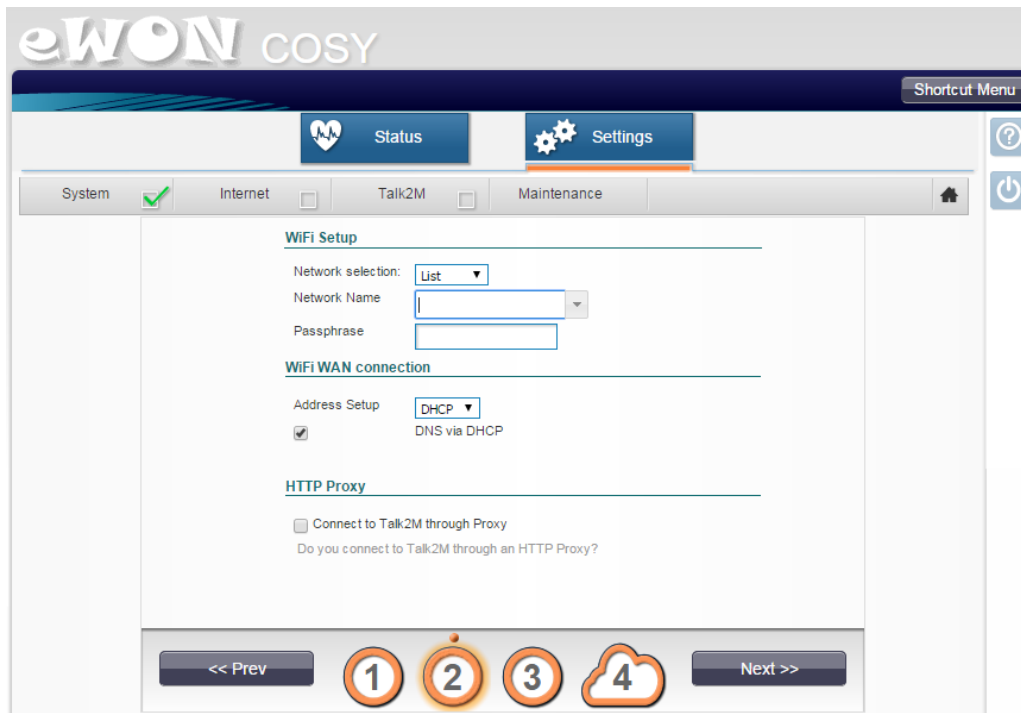
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If you have the WiFi model you will see:

Select **WiFi INTERNET connection** and press Next

Enter the network name and passphrase for your WiFi network and then press Next to test the connection.

Note: Skip Ethernet WAN Configuration section if you have selected to connect using Wi-Fi.

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**If you have the Cellular model you will see:**
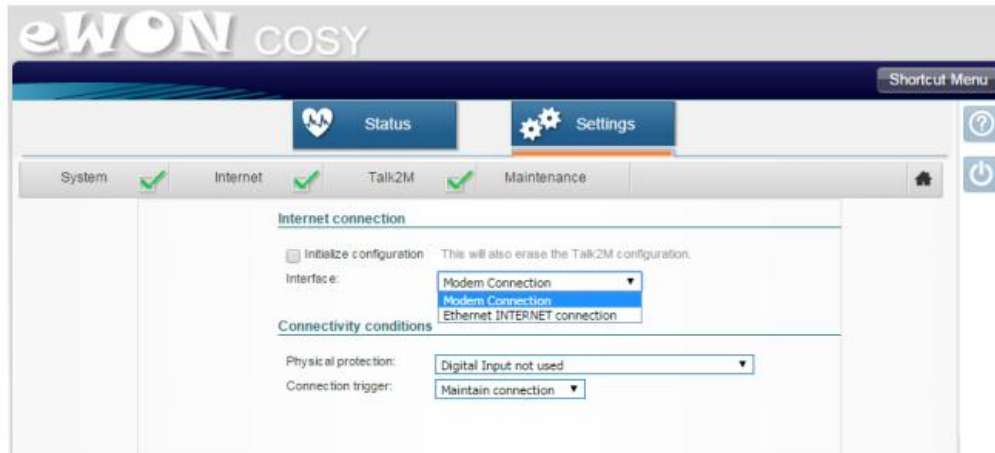
Select **Modem Connection** and press Next

Enter the SIM PIN, APN, Username and Password provided by your cellular network provider. In the advanced settings, session duration can be set to control how long the eWON will maintain a cellular connection. If you want a maintained connection then set the maximum idle time to a large value such as 9999 and set the maximum call duration to 0. With these settings the eWON will maintain a constant internet connection.

Note: Skip Ethernet WAN Configuration section if you have selected to connect using a Modem Connection.
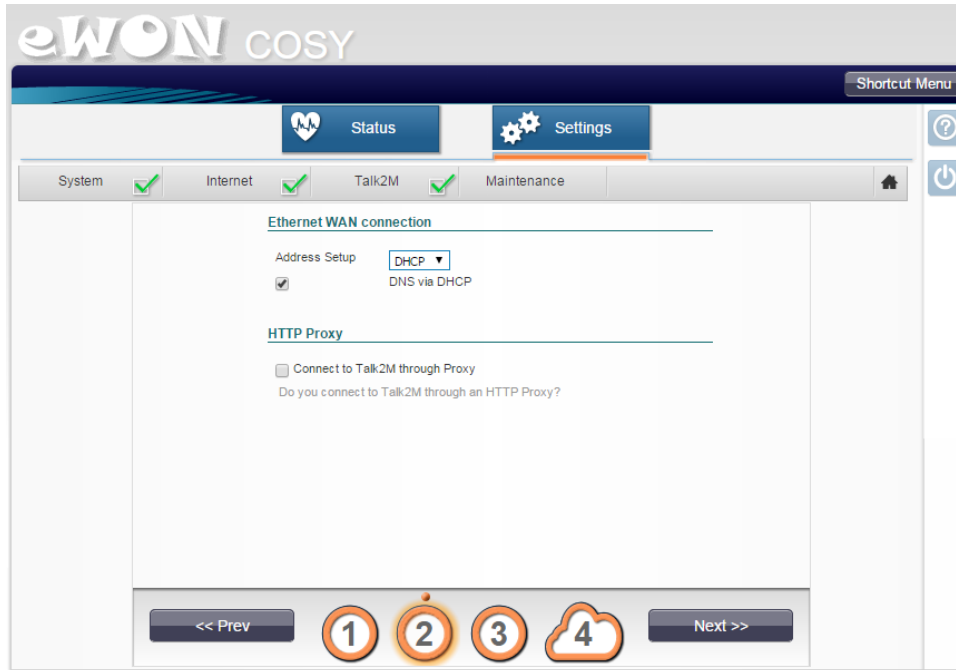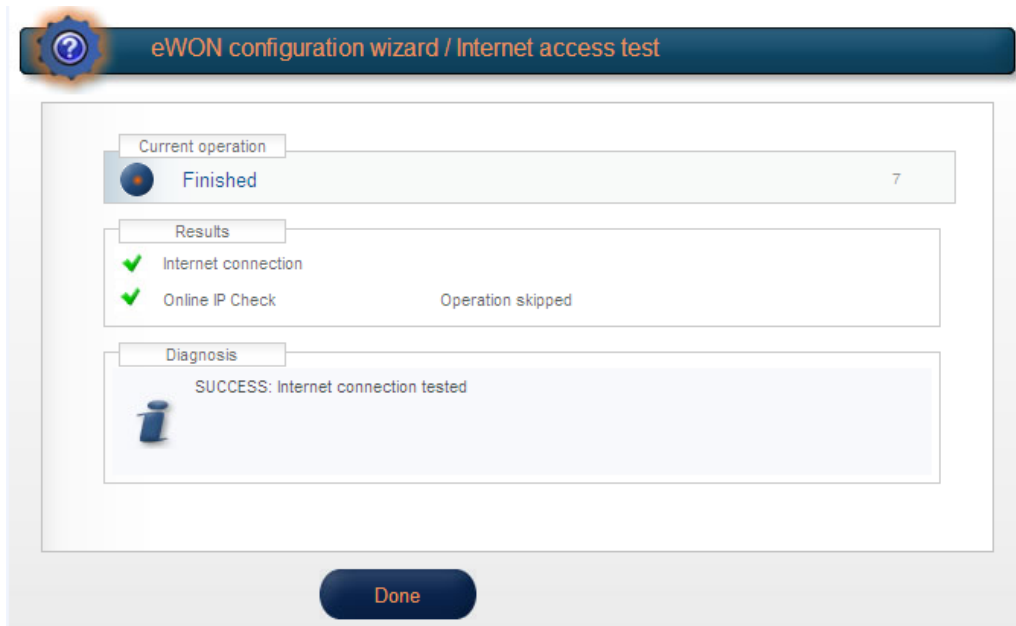
If your access to the Internet uses a Proxy server, check the HTTP Proxy box and enter the Proxy Server settings given to you by your IT department.
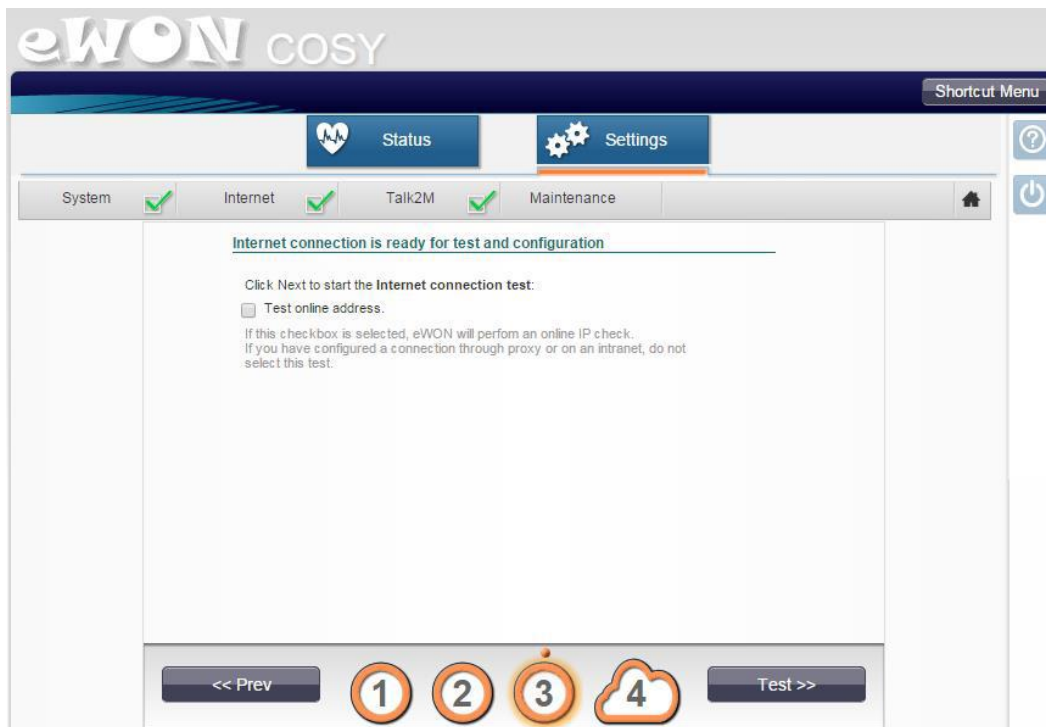
Check the test online address box and then click Test

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If the test is unsuccessful you should download the eWON Connection Checker software from http://ftp.ewon.biz/software/eCatcher/Talk2MConnectionChecker.msi . Install the software and run the connection checker following the onscreen directions.

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eWON Diagnostic LEDs
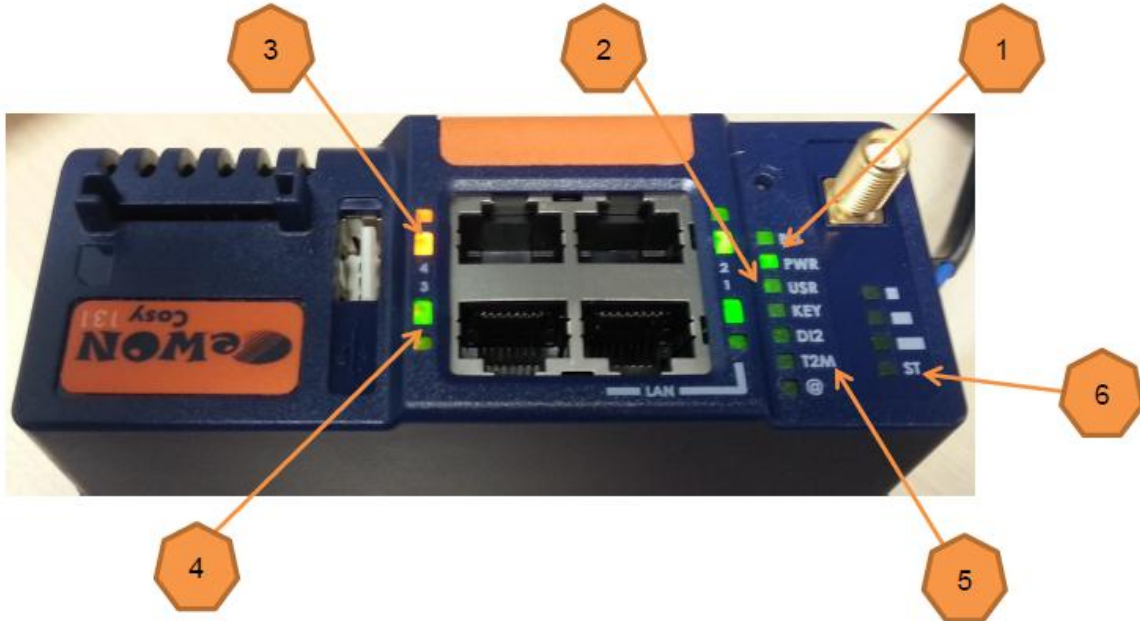
1. Power LED is solid green.

2. USR (User) LED flashes green at a set interval.

3. WAN port LED is solid orange and the small LED flashes orange when communicating.

4. LAN port LED is solid green and the small LED flashes green when communicating.

5. T2M LED is solid green when connected to the Talk2M Service.

6. ST LEDs signify Wi-Fi signal strength.

## Appendix A – Changing the LAN IP Address using eBuddy

If your machine network is not using the default 192.168.0 subnet you can use eBuddy to change the LAN IP address of the eWON unit. You can obtain eBuddy here:

http://ftp.ewon.biz/software/eBuddy/eBuddySetup.exe
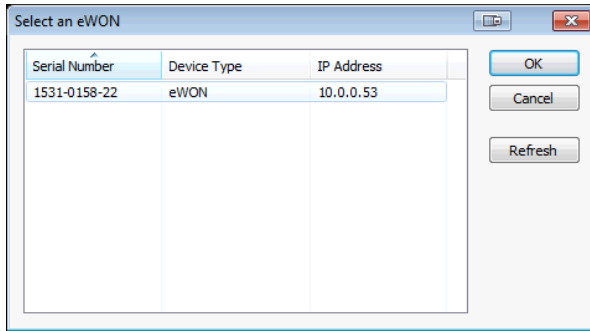
Running eBuddy

Connect a LAN port of the eWON to your computer

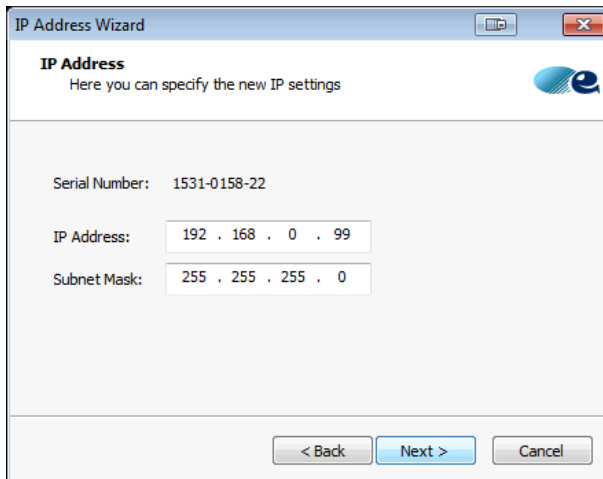Run eBuddy on your computer and select **Set IP Address**
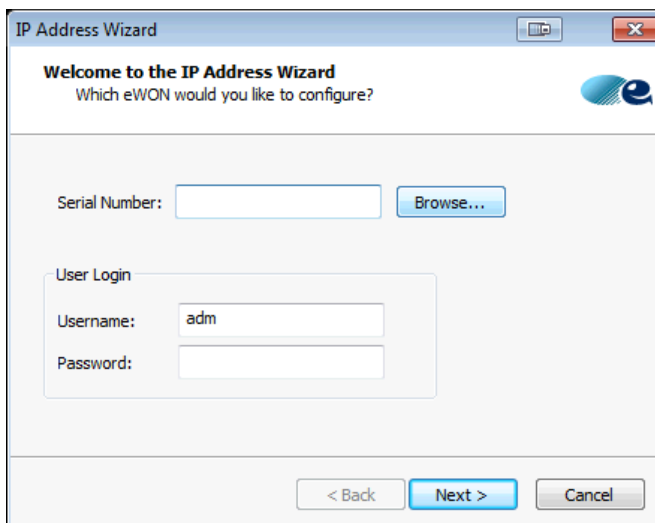
Enter the username and password. Username is adm, Password is adm, then hit Browse button
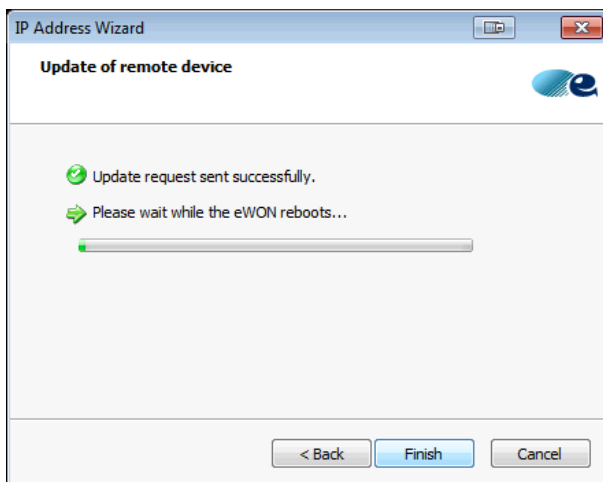
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Select the eWON unit and press OK

Enter the desired IP address on the machine network subnet and a subnet mask of 255.255.255.0

Click Finish and the eWON unit will reboot automatically