

## **Configuring the OM-SQ20XX Inbuilt Ethernet**

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# Overview

This document describes the process for configuring the OM-SQ20XX range of loggers inbuilt Ethernet adaptor.

## Prerequisites

Before proceeding with the installation you will require all of the following:

- A OM-SQ20XX logger with inbuilt Ethernet
- A networked PC that is able to access the network on which you intend to connect the OM-SQ20XX logger
- An Ethernet connection on the network you wish the OM-SQ20XX logger to reside.
- Before proceeding you must speak to your network administrator to get the following information regarding the network you will be connecting the OM-SQ20XX logger to:
  - o The network gateway
  - o The network subnet mask
  - o An available IP address.
    - This should ideally be a static IP address.
    - If a static address cannot be found then the next best would be an assigned address.
    - The worst case would be a leased address with a significant timeout.

NOTE: One of the above must be found. Failure to do so could result in problems communicating with the logger in the event of a reset caused by a power failure.

- When you have the details from your network administrator as detailed above note them down here as they will be required when setting up communications from within the OMEGA-LOG<sup>®</sup> software and the data logger.
  - o IP address.            \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_
  - o Subnet mask        \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_
  - o Network gateway    \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_ . \_\_\_\_\_

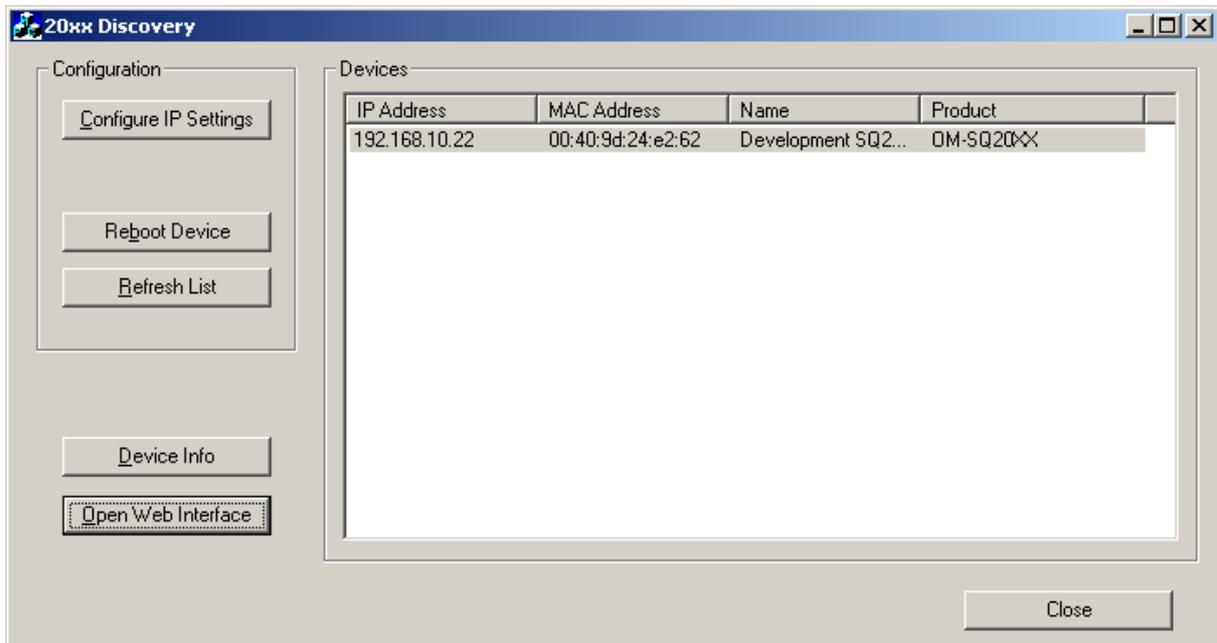
# Setting the OM-SQ20XX Loggers IP Address.

## OM-SQ20XX Discovery

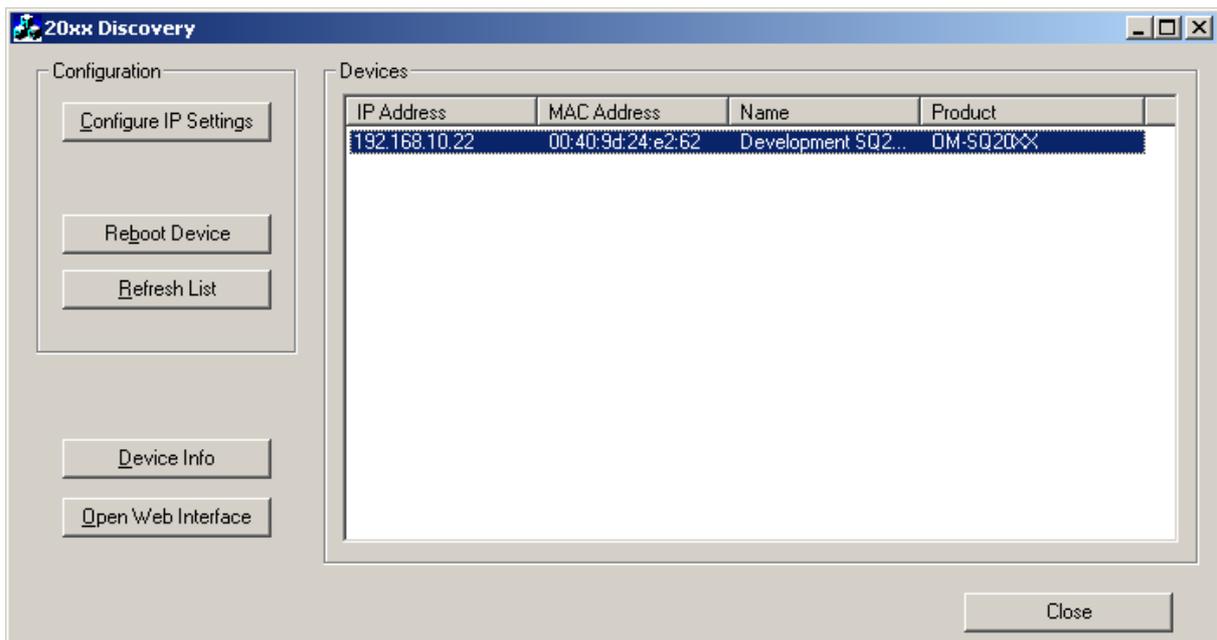
The OM-SQ20XX Discovery program will allow you to find and select the OM-SQ20XX logger(s) to be setup.

To run:

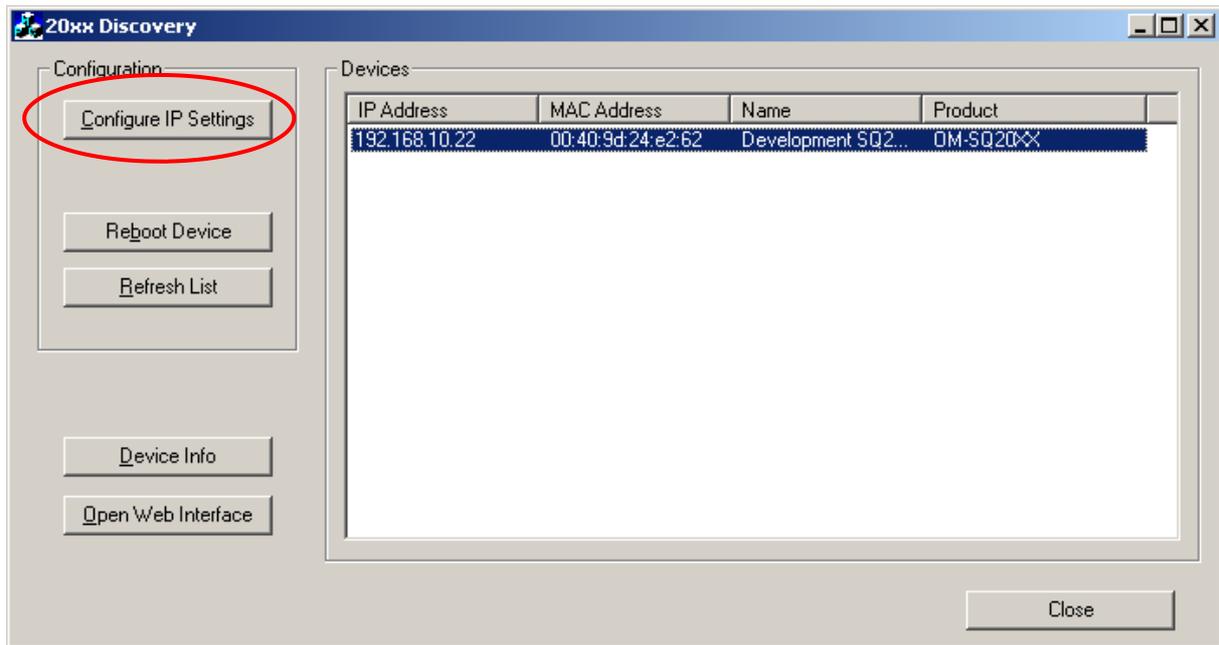
1. Use the Find Device button within the Communication wizard of the OMEGALOG® software or go to the following directory:
  - a. \Program Files\OMEGALOG\Tools\SQ20XX\_EthernetAnd double click on the file Finder.exe. The OM-SQ20XX Discovery program should appear as below after completing a search for connected OM-SQ20XX loggers.



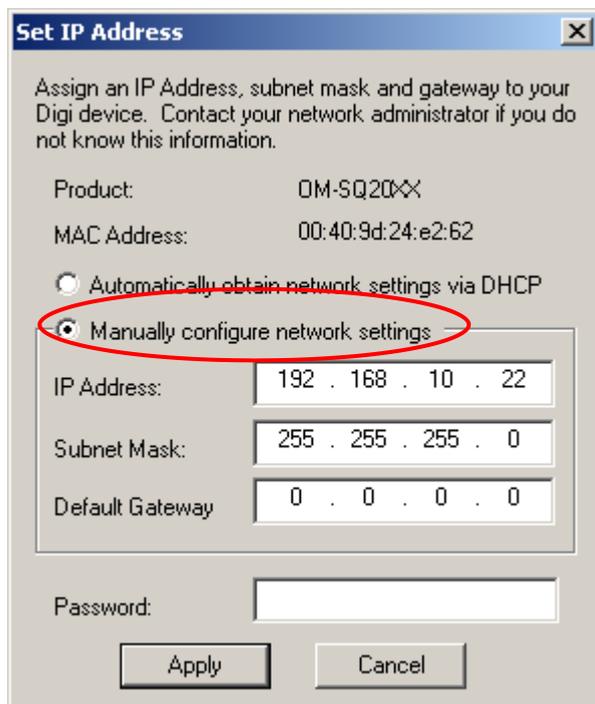
Next click on the logger you wish to configure in the list of devices:



Then click on the 'Configure IP Settings' button to display the configuration dialog



From this dialog you can type in the settings provided by your network administrator by selecting the 'Manually configure network settings' radio button.



After filling in the three fields type **dbps** into the password field.

Finally click 'Apply' to send your settings to the logger.

Configuration of the IP settings is now complete.

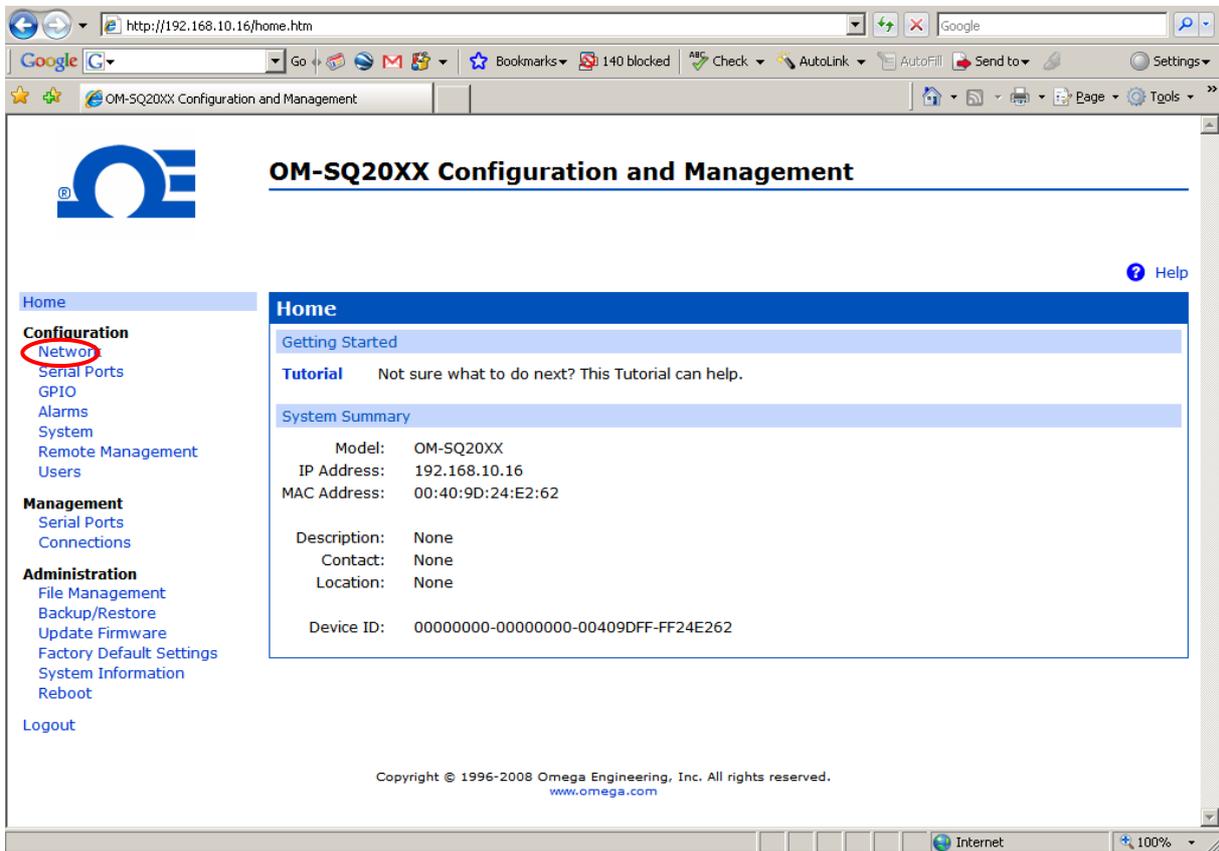
# Email Notification Setup

The logger may be setup to send an email when a new alarm is raised. Before starting to setup the alarm notification you need to ensure you have the following:

- Access to a web browser which can be connected to the OM-SQ20XX device
- Mail Server Address
- Logger IP address
- Email Address for recipient

To setup email notification perform the following steps:

- Open web browser
- Type in the address of the OM-SQ20XX logger followed by /home.htm
  - o e.g. http://192.168.1.237/home.htm
- Enter username and password
  - o Username – ‘root’ (default)
  - o Password – ‘dbps’ (default)
- Select alarms



- Tick the ‘Enable alarm notifications’ tick box
- Type in the IP address of your companies mail server
- Type in the email address of the logger
- Tick ‘Enable’ tick box of the Alarm 1
- Click on the ‘Apply Button’ at the bottom of the window

OM-SQ20XX Configuration and Management

Alarms Configuration

Alarm Notification Settings

Enable alarm notifications

Mail Server Address (SMTP): 0

From E-Mail Address: [Redacted]

Apply

Enable	Alarm	Type	Trigger	SNMP Trap	Send To	Email Subject
<input checked="" type="checkbox"/>	Alarm 1	gpio	x 0 x x x	disabled		
<input type="checkbox"/>	Alarm 2	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 3	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 4	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 5	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 6	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 7	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 8	gpio	x x x x x	disabled		

- Click on the Alarm 1 to configure.

OM-SQ20XX Configuration and Management

Alarms Configuration

Alarm Notification Settings

Enable alarm notifications

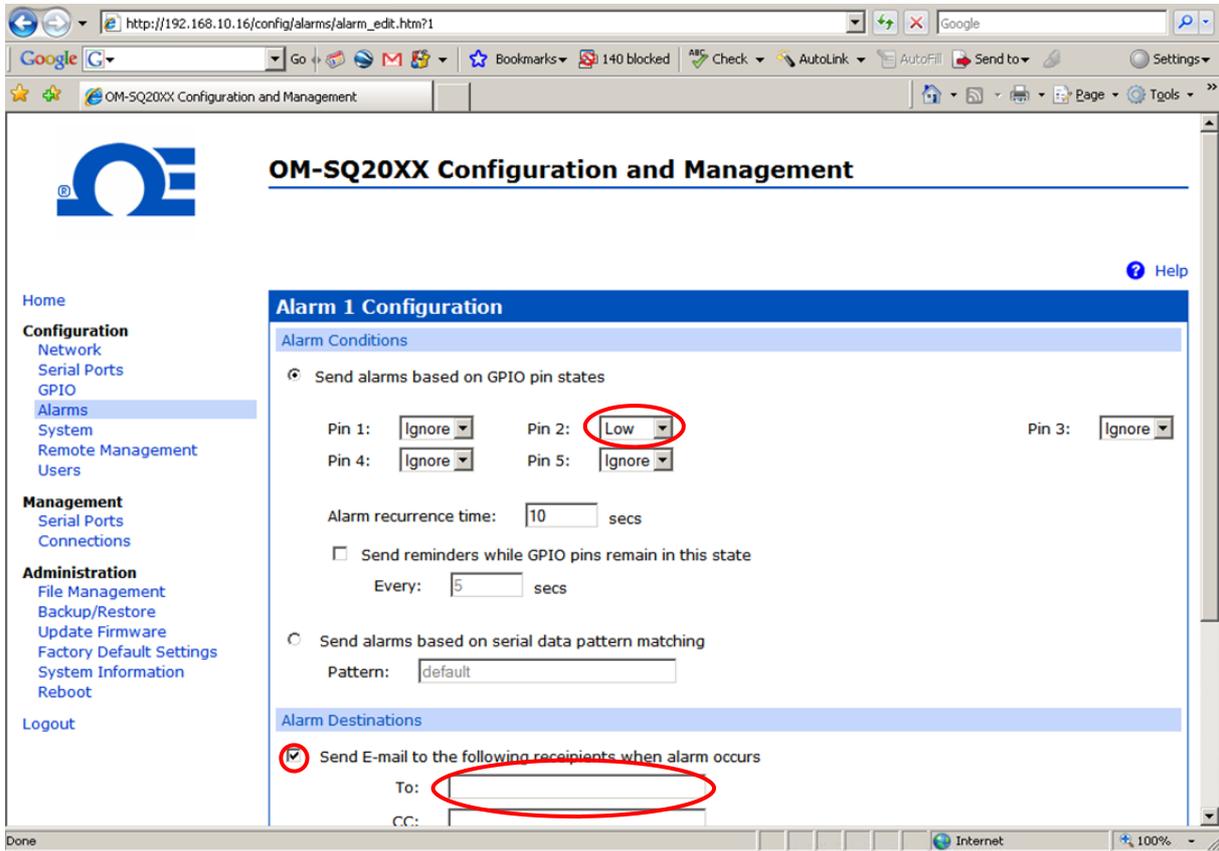
Mail Server Address (SMTP): 0

From E-Mail Address: [Redacted]

Apply

Enable	Alarm	Type	Trigger	SNMP Trap	Send To	Email Subject
<input type="checkbox"/>	Alarm 1	gpio	x 0 x x x	disabled		
<input type="checkbox"/>	Alarm 2	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 3	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 4	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 5	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 6	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 7	gpio	x x x x x	disabled		
<input type="checkbox"/>	Alarm 8	gpio	x x x x x	disabled		

- In the 'Pin 2' pull down box select the 'Low' option
  - o Ensure that all other pins are set to 'Ignore'
- Tick the 'Send E-mail to the following recipients when the alarm occurs' tick box
- Type in the email address you wish the notification to be sent to
- Type in the text you wish to appear in the subject field of the email.
- Finally click on the 'Apply Button' then logout of the OM-SQ20XX device setup page.



**NOTE: It is important to follow the instructions above as written as other configuration options are not supported.**

**Once configured as described, an email will be sent upon *any* logger alarm becoming active.**