Heatmiser Netmonitor v3

Technical Set-Up

(Firmware Version 3.5 or above)

Quick Start Guide

1 Connecting to the Netmonitor

IP Address - The default IP address of the Netmonitor is **192.168.0.168**
Your PC must be in the same range as the Netmonitor before connection is possible. The range is highlighted in bold, and is the first three sets of numbers. The last number is the unique device address on the network.

If you are using a router, it is likely that your PC is configured for DHCP which means that it obtains its IP address from your router. If this is the case, the Netmonitor must be in the same range as your router.

It is normal for routers to come with their default IP address set to **192.168.0.**1 which means they should already be in the same range as the Netmonitor.

To test if this is already the case, follow the Ping Procedure.

Ping Procedure

- Click Start
- Click Run
- Type ping 192.168.0.168
- If you see reply from 192.168.0.168 4 times, your Netmonitor is ready for use. You can now either;
  Go to “Changing the IP address of your Netmonitor”
  Or if you happy with its current setting on your network
  Go to “Accessing the Netmonitor over the internet”
- If you see a Request Time Out error, read the step below “Request Time Out Error”

Request Time Out Error
This error occurs when your PC is out of range from the Netmonitor – and it simply means the two devices cannot see each other.

We need to temporarily change the IP address of your PC so that the two devices can see each other. Once we can connect to the Netmonitor, we can change its IP address so that it’s within your preferred range.

DHCP Support
The Netmonitor doesn’t support DHCP because its IP address must be static – otherwise connection over the internet wouldn’t be possible. If you are using a DHCP server, it is likely the router has been given a range of IP address which it can dynamically assign. (Give out automatically)

Lets assume that your router can assign IP addresses from 192.168.0.1 to 192.168.0.100 you can safely give the Netmonitor any address after this without any conflict. So for example, any address from 192.168.0.101

Click Start

- Open Control panel
- Open Network Connections
- Right click the Network connection you are using
- Select Internet Protocol (TCP/IP) and then click Properties
- There are two options available here, please select according to your PC set-up.

Obtain IP automatically

If your PC is set-up to automatically obtain its IP from the router, you will see a screen like this. (Fig1)

Carefully make a note of this setting before making any changes. You should click the Use the following IP address and then enter the settings shown in Fig 2

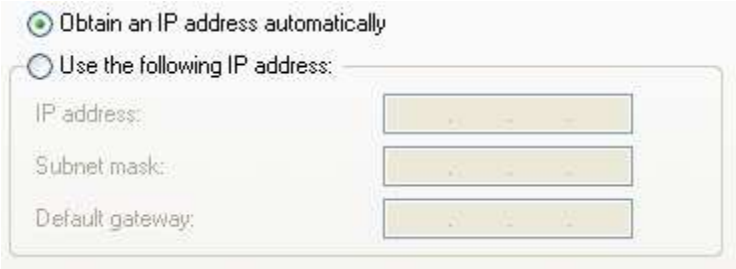
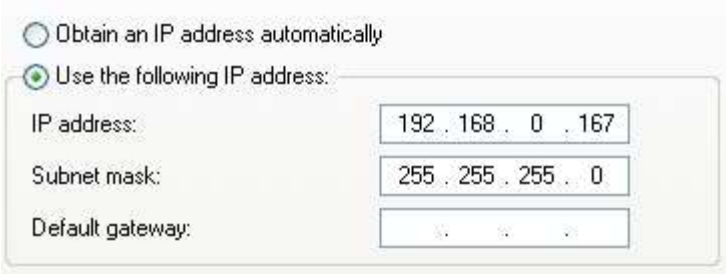


Fig 1

Use the following IP

You will now see a screen like this. (Fig2)

Carefully make a note of your original IP address and Subnet mask settings before making any changes.



Now, you should enter the settings so they match those shown in this picture.

Fig 2

Remember we will return here shortly to put these settings back as they were.

You should now repeat the “Ping Procedure” If you receive a successful reply, you can go to the “Changing the IP Address of the Netmonitor” section. If not, repeat the steps above ensuring the details entered are correct.

Changing the IP address of the Netmonitor

- Connect to your Netmonitor by typing http://192.168.0.168 in the address field of Internet Explorer.

- When prompted, enter admin for the user name and admin for the password, both in lower case

- After logging in, you will see this screen.

- Click the Network Setup option under Setup

- You will now see the current network parameters for the Netmonitor.

- You can now enter your preferred network IP address and Subnet Mask.
- The Gateway address should be the IP of your router
- The DNS should be the IP address of your ISP. If you are not sure what this is, it should be listed within your router. It is also known as Domain Name Server.
- You should also enter the correct time and change your User Name and Password in order to secure your Netmonitor

- You should Save and Reboot the Netmonitor.

Note: It is important to correctly set the Gateway and DNS settings otherwise the email function will not work.

YOU SHOULD NOW GO TO PAGE 4, RETURNING YOUR PC NETWORK SETTING TO THEIR ORGINAL SETTINGS.

Note: Remember! The Netmonitor must be within the same range as your router.

2 Accessing the Netmonitor over the Internet

You should have already connected your Netmonitor to your router and you should now be able to “ping” the Netmonitor as described on page 3.

Within the router you will have a firewall which is designed to block unwanted incoming internet traffic. This means that you will not be able to access the Netmonitor without adjusting the configuration of your router.

To gain access, we need to set-up a function called Port Forwarding which allows us to connect remotely to the Netmonitor.

You should forward port 80 to the IP address of your Netmonitor.

You should consult your routers manual for information on how to set-up the port forwarding feature.

2b Accessing the System via SmartPhone App

You should have already connected your Netmonitor to your router and you should now be able to “ping” the Netmonitor as described on page 3.

Within the router you will have a firewall which is designed to block unwanted incoming internet traffic. This means that you will not be able to access the the system from your SmartPhone from outside your home without adjusting the configuration of your router.

To gain access, we need to set-up a function called Port Forwarding which allows us to connect remotely to the Netmonitor from your SmartPhone.

You should forward port 8078 to the IP address of your Netmonitor.

You should consult your routers manual for information on how to set-up the port forwarding feature.

3 Logging into your Netmonitor

Type the IP address of your Netmonitor in to the address field of your browser

Default IP: 192.168.0.168
Default Username: admin
Password: admin

4 Netmonitor Set-up

When you access the Netmonitor you will be presented with a screen similar to that shown here.

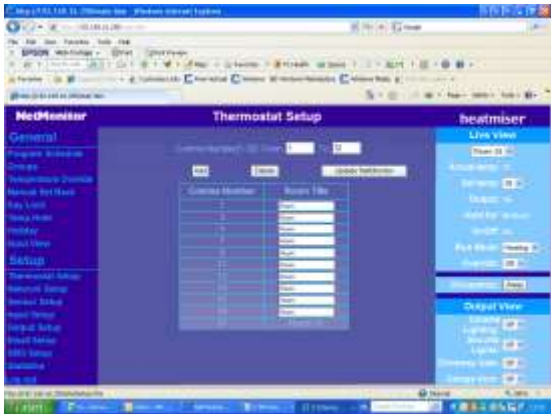
We now need to configure the Netmonitor according to how it is being used.

In this section, we will configure.

a. Thermostat set-up
b. Sensor Set-up
c. Inputs Set-up
d. Outputs Set-up
e. Email Set-up
f. SMS Set-up (Netmonitor +)

Thermostat Set-up

We need to tell the Netmonitor how many thermostats are connected. To do this follow the steps below.



Click Thermostat Setup

Enter the communication number series, for example 1-10 to add 10 thermostats – then press Add. The Netmonitor will name these “Room xx” where xx is the Comms Number.

Press Update Netmonitor to Store

Renaming the Thermostat

Type the new room title in the title box and then press Update.

Deleting a Single Thermostat

- Enter the comms number, followed by the Delete
- Repeat for additional thermostats.
- Press Update Netmonitor to Store.

Deleting a Series of Thermostats

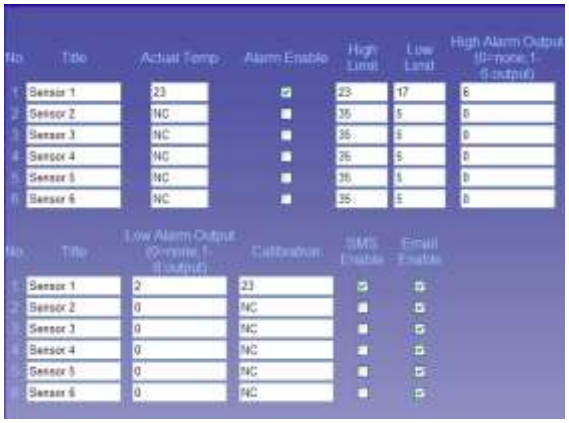
- Enter the comms number series you want to delete, for example 1-10 – then press Delete.

Press Update Netmonitor to Store

Sensor Set-up
You can connect up to 6 Heatmiser sensors to the Netmonitor for monitoring purposes. A table below describes the sensors available.

Sensor Part Number	Description
Heatmiser Internal Sensor	Used to measure air sensor For internal use only
Heatmiser Immersion Sensor	Used to measure water flow temperature Supplied with a pocket for immersing the probe in to pipe-work
Heatmiser Clamp On Sensor	Used to measure water temperature in pipes. Designed to clamp on to the outside of pipe-work.
Heatmiser External Sensor	Used to measure external air temperature

- Click Sensor Setup
- You will now see a screen like this



- You can now enter the Title for each sensor connected.
- You can also select whether you wish to enable this sensor as an alarm
- You can also select the High Limit and Low Limit for this sensor
- You can also select if you would like to enable a Netmonitor Output should the High or Low limit be reached. (Entering 2 in the High Alarm Output means that Output 2 will be activated when the High Limit is reached)
- Calibration is used to calibrate the temperature sensor if required
- SMS – This function will only work on the Netmonitor + Enabling this means the Netmonitor will send a Text Message if either the High or Low limit is reached
- Email – Enabling this means the Netmonitor will send an Email if either the High or Low limit is reached

- Click Update Netmonitor to save the settings.

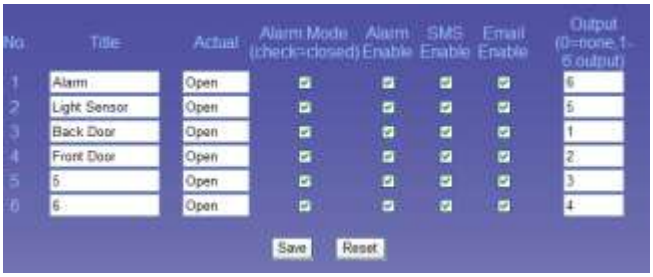
Important Notes: Assume you set a low limit of 10C. The Netmonitor will send an email and/or text message as soon as the temperature drops to 10C. The temperature will then need to rise to 15C and drop back to 10C before the alarm is retriggered. The same applies for a high limit. The temperature must drop 5C and then rise back to the alarm limit before another email and/or text message is sent.

Input Set-up

The Netmonitor has 6 inputs which can be used for various applications. For example, wiring your security system to the Netmonitor means that you can receive notification by email/sms should your alarm be triggered.

To set-up the Netmonitor Inputs, follow these steps.

- Click the Input Setup
- You will see a screen like this.



- You can now enter the title for each input on the Netmonitor
- You can select whether the input is a normally open or a normally closed contact
- You can select to enable or disable the SMS* and Email notification when an input is made (* Netmonitor + Only)
- You can select which output is activated when an input is made
- You should click Update Netmonitor to save the settings

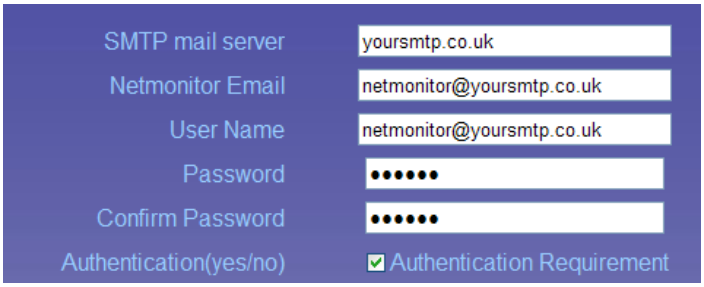
Output Set-up

The Heatmiser Netmonitor has 6 outputs which can be used for various applications.

- Click the Setup Icon
- Click the Input / Output Icon
- You can now enter the title for each output
- You should click Save when you are happy with the titles.

Email Set-Up

- Click Email Setup
- You will see a screen like this



- You now need to enter the details in the fields as shown above. These settings will have been provided to you by your ISP.

The Heatmiser Netmonitor has 6 email address settings.
Activated alarms will be sent to the addresses listed.

SMS Set-Up (Netmonitor + Only)

- Click SMS setup

The Heatmiser Netmonitor has 6 mobile phone settings.
Activated alarms will be sent to these mobiles.

App Port Forwarding

For those looking to control their network system from their SmartPhone remotely, a port in your internet router needs to be opened and forwarded to your Netmonitor.

You need to forward port 8078 to your Netmonitor. Please consult your router instruction manual for information on how to do this.

Reset IP / User Name & Passcode

If you forget or misplace the IP address of your Netmonitor or User Name and Passcode you should follow these steps to reset to the factory defaults.

1. Press and hold down the Reset IP button until the LEDs stop flashing (The LEDs are located on the small plugin PCB)
2. When the LEDs stop flashing, release the button and the Netmonitor will reboot with the default IP address and username/passcode.