

UCM/ETH03 is used for Comfigurator programming and the iOS and Android apps.



D2 GREEN - Status - Remains on if ETH03 firmware is running

If either D2 or D3 is off, re-initialise ETH03 to default as described below

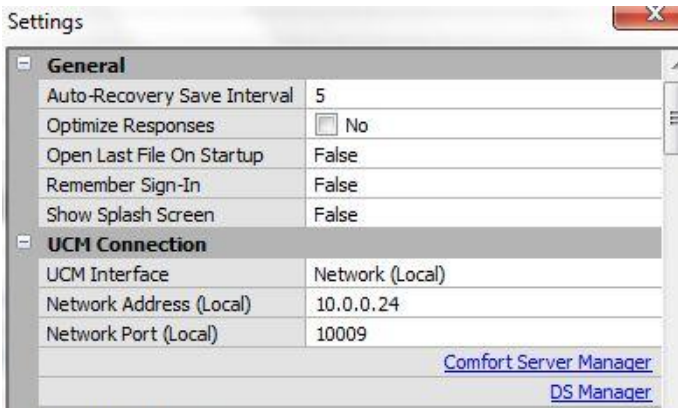
Buttons

SW1 - RESET: pres to restart firmware

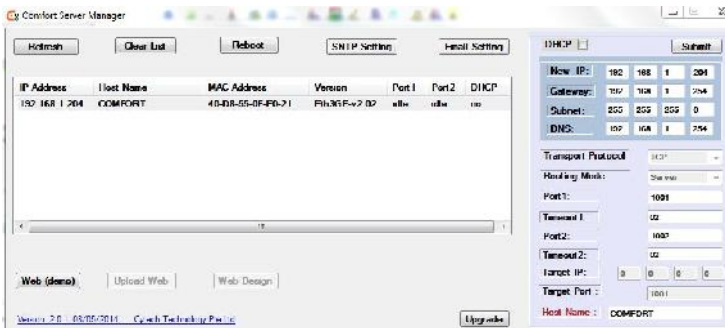
SW2 -INIT : use with RESET to re-initialise firmware to default as described below

Comfort Server Manager

UCM/ETH03 requires the Comfort Server Manager software described below. To set up the IP address and port number for ETH03, use Comfigurator 3.9.x or above . Comfort Server Manager is included in Comfigurator, which can be downloaded from <http://www.cytech.biz/comfigurator.html>. Select Options > Settings > UCM Interface = Network Local



Click on the Comfort Server Manager link



Any UCM with ETH03 that is connected to the same network will be automatically discovered. It is in **blue** colour if it is on the same network, otherwise it will be shown in **red**. The current firmware version for the ETH03 is shown (2.02 in the above example).

Please upgrade to the latest firmware as shown below

The Status of the ETH03 will normally be shown as “idle”; if there is a connection, the Status field will show “busy”.

The IP address of the ETH03 is automatically discovered. The default IP address setting has DHCP so the IP address will be auto-configured by a Router having DHCP enabled. It is suggested to assign a fixed IP address for ETH03, (ensure

there is no conflict with other IP addresses) to allow Port Forwarding for remote access. Uncheck the DHCP checkbox under the NewIP Setting and enter the New IP and Gateway address of the ETH03.

- Port 1: the 1st network port. By default the port is set to 1001.
- Timeout1: the time in minutes for which the port will remain open if there is no data in either direction. A value of 0 means the connection will never time-out.
- Port 2: the 2nd network port. By default the port is set to 1001.
- Timeout2: the time in minutes for which the port will remain open if there is no data in either direction. A value of 0 means the connection will never time-out.

📞 2 minute connection time-out is recommended as there may be more than 1 application trying to use the connection at the same time, e.g. for iPhone. Time-out applies for UCM/ETH03, not heatmiser or Universal

Click “Assign” button to effect the new changes. Press the “Discover Devices” button once to rediscover the ETH03.

“Clear List” button clears the fields on the Comfort Server Manager.

Reboot button reboots ETH03 submodule

Web (demo) and Upload Web buttons are for future use.

Upgrading Firmware on ETH03 Submodule

The ETH03 firmware is NOT the same as the UCM firmware of the baseboard. The ETH03 firmware runs on the ETH03 submodule module and not the UCM. The 'Upgrade' button is used to upgrade the ETH03 firmware on the submodule over the network. Firmware upgrades are available from

http://www.cytech.biz/eth03_firmware.html

ETH03-general.hex is for UCM/ETH03. ETH03-client.hex is for

UCM/Universal. ETH03-heatmiser is for UCM/Heatmiser (wifi)

After downloading the zipped file select the ETH03-Server (hex file).

The full UCM Manual can be downloaded from

http://www.cytech.biz/ucm_manual.html

To Re-initilialise ETH03 to default settings

This should be done when the firmware is corrupted or ETH03 does not work for any reason.

1. Press and hold SW2 switch.
2. Press SW1 RESET once.
3. The Green D2 LED on the ETH03 will turn off for about 5 seconds and then turn back on.
4. Maintain the press-and-hold of the SW2 switch until another cycle of turning off and turning on of the D2 LED on the ETH03 module. This will take around 10 more seconds.
5. Run the CS Manager software to discover the ETH03 module.

Size A6

14 March 2016 - Initial

20 June 2017 - Added LED and Button descriptions