

EC-COM/IP

Eclipse Network Communication Module with X10

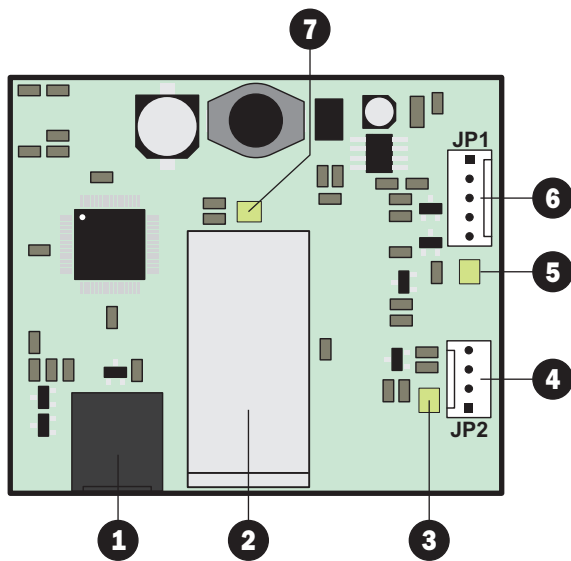
Installation Instructions

1. Introduction

The *EC-COM/IP* can be connected to Eclipse and supported third party control panels to provide LAN/WAN network connectivity and X10 home automation.

2. PCB Layout & Connections

The figure below shows the PCB layout for the *EC-COM/IP*:



1. X10 Port

This RJ11 port is for connecting to a XM10 home automation controller.

2. Ethernet Port

This RJ45 Ethernet port is for connecting to a network hub or router.

3. JP2 Status Indicator

This LED indicates the status of the communication on JP2. When lit red it indicates an error, green indicates it is healthy. The indicator will also flash orange when communicating.

4. JP2 Eclipse Port

This 4-way port should be connected to the Eclipse control panel via the supplied 4-way harness.

5. JP1 Status Indicator

This LED indicates the status of the communication on JP1. When lit red it indicates an error, green indicates it is healthy. The indicator will also flash orange when communicating.

6. JP1 Third Party Port

This 5-way port should be connected to a supported third party control panel via the supplied 5-way harness.

7. LAN Status Indicator

This LED indicates the status of the LAN module. When lit red it indicates an error, green indicates it is healthy. The indicator will also flash orange when communicating.

3. Installation

The *EC-COM/IP* can be installed in either Eclipse control panels or supported third party manufacturers control panels:

Eclipse Control Panel Installation

To install the *EC-COM/IP* in an Eclipse control panel, proceed as follows:

1. Remove the power (mains and battery).
2. Carefully remove the main PCB and clip the *EC-COM/IP* into base of the control panel.
3. Route the LAN cable in to the housing and connect it to the Ethernet port (2).
4. Connect one end of the 4-way harness to JP2 (4) and the other end to a COM port on the control panel.
5. If the X10 feature is being used connect the XM10 patch lead to the X10 port (1) and refer to the instructions supplied with the XM10 controller.
6. Carefully clip the main PCB back into position and apply power (mains and battery).
7. Program the IP Address, Subnet Mask, Gateway Address and Port Number. These are at locations 6401 to 6404.
8. Program the COM port for "Communication Module" location 6201 for COM1 or 6202 for COM2.
9. Once the control panel is programmed with the correct settings the JP2 status indicator (3) and LAN status indicator (7) should be lit green. JP1 status indicator will remain lit red as this port is not in use.

Third Party Control Panel Installation

To install the *EC-COM/IP* in a supported third party control panel, proceed as follows:

1. Remove the power (mains and battery).
2. Locate the *EC-COM/IP* into base of the control panel using the four mounting holes and adequate fixings.
3. Route the LAN cable in to the housing and connect it to the Ethernet port (2).
4. Connect one end of the 5-way harness to JP1 (5) and the other end to a COM port on the control panel.
5. If the X10 feature is being used connect the XM10 patch lead to the X10 port (1) and refer to the instructions supplied with the XM10 controller.
6. Apply power (mains and battery).
7. Program the control panel IP Address, Subnet Mask, Gateway Address and Port Number.
8. Program the control panel COM port for "UDL" operation.
9. Once the control panel is programmed with the correct settings the JP1 status indicator (5) and LAN status indicator (7) should be lit green. JP2 status indicator will remain lit red as this port is not in use.

4. X10 Support and Information

X10 is a simple home automation protocol which is easy to use and install. There are plenty of resources on the internet for distributors of X10 devices, listed below are some popular sites:

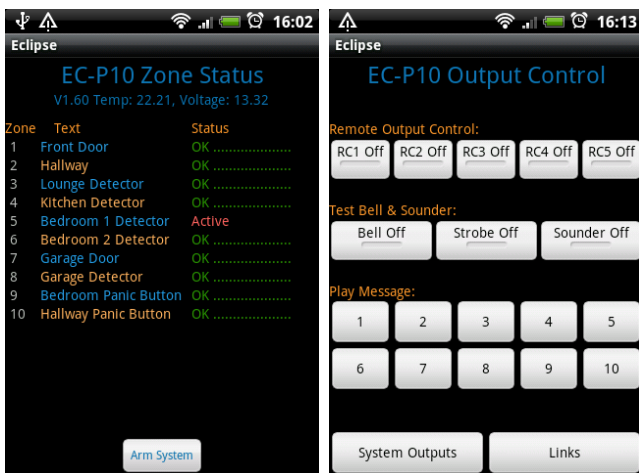
- ▶ www.x10.com
- ▶ www.letsautomate.co.uk
- ▶ www.uk-automation.co.uk

5. Smart Phone Apps

Once the alarm system is fitted with an *EC-COM/IP* module it allows the end user to remotely interact with the system over the internet using a compatible smart phone running the Eclipse or Net2X10 apps. The apps are only supported on Android smart phones at present.

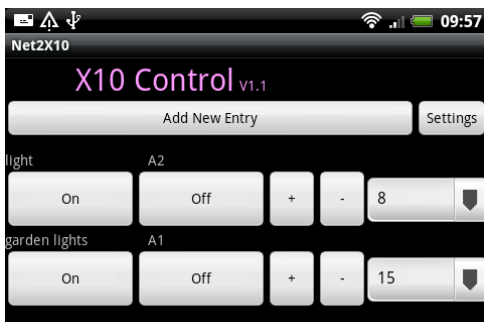
Eclipse App

The Eclipse app allows the end user to remotely control any Eclipse control panel and view zone status, arm and disarm, bypass zones, switch on or off outputs, view the event log and run a virtual remote keypad. Some of the screens are shown below:



Net2X10 App Screen

The Net2X10 app allows the end user to remotely control the X10 devices connected to the protect property. X10 devices can be simple light switches with lighting level control or wall outlet sockets for connecting mains powered equipment. The Net2X10 screen is shown below:



6. Specifications

Electrical

Voltage: 9 - 16Vdc.
Current: 70mA

Environmental

Operating Temp.: -25°C to +55°C (-13°F to +131°F).
Storage Temp.: -25°C to +60°C (-13°F to +140°F).
Max. Humidity: 95% non-condensing.
EMC: Residential, commercial and light industrial.



Do not throw away the product with the normal household waste at the end of its life, but hand it in at an official collection point for recycling.

Physical

Dimensions: 65.0mm x 55.0mm x 15.0mm.
Packed Weight: 100g.

7. Standards

Safety

Conforms to European Union (EU) Low Voltage Directive (LVD) 2006/95/EC.

EMC

Conforms to European Union (EU) Electro-Magnetic Compatibility (EMC) Directive 2004/108/EC.

Security

Conforms to EN 50131-1 and EN 50131-3 Grade 3, Environmental Class IV.



The CE mark indicates that the *EC-COM/IP* complies with the European requirements for safety, health, environment and customer protection.

8. Warranty

Zeta Alarm Systems by GLT Exports Ltd products are carefully designed to provide reliable problem-free operation. Product quality is carefully controlled during all manufacturing processes. The *EC-COM/IP* is covered against defects in material or faulty workmanship for a period of 2 years from the date of purchase. Due to our policy of continuous product improvement, Zeta Alarm Systems by GLT Exports Ltd reserves the right to change specification without prior notice.

As the *EC-COM/IP* is not a complete intruder alarm systems, but only part of it, Zeta Alarm Systems by GLT Exports Ltd does not accept responsibility or liability for any damages whatsoever based on any claim that the unit failed to function correctly.



Technical Support

Email: support@zetaalarmsystems.com