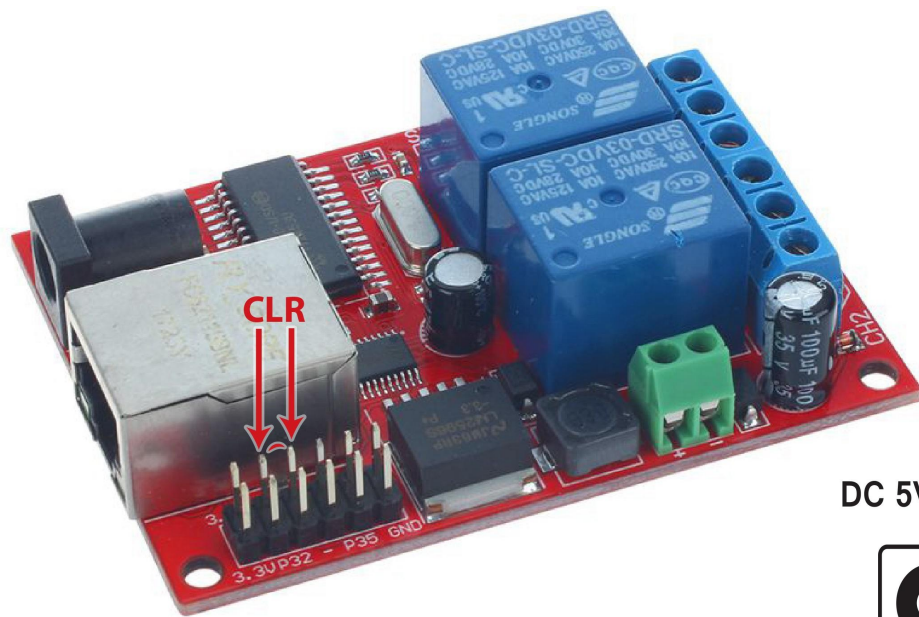


Ethernet Relay Controller : Two Channel

The software accompanying this relay is provided free of charge as-is and without warranty for use with this relay only as determined by its MAC address.



DC 5V - 24V



Factory Default Settings

IP Address	Subnet Mask	Gateway
192.168.1.100	255.255.255.0	192.168.1.1

This device requires 5v-24v DC power.

Restoring Factory Defaults

To restore factory defaults :

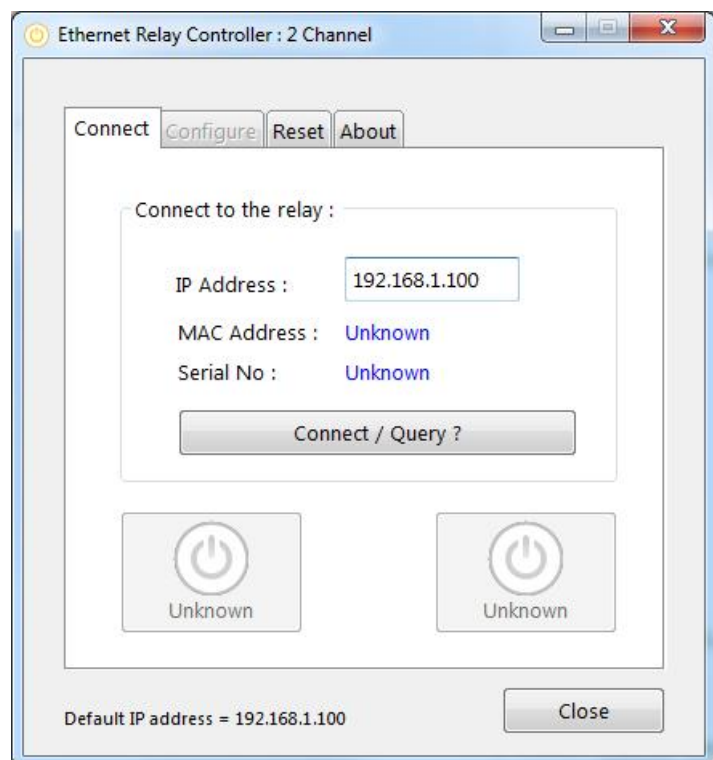
1. Remove the power supply
2. Apply a jumper block to short the CLR pins
3. Re-apply the power for 10 seconds
4. Remove the power
5. Remove the jumper block from CLR
6. Re-apply the power

Connecting to and Configuring the Device

Connect / Query ?

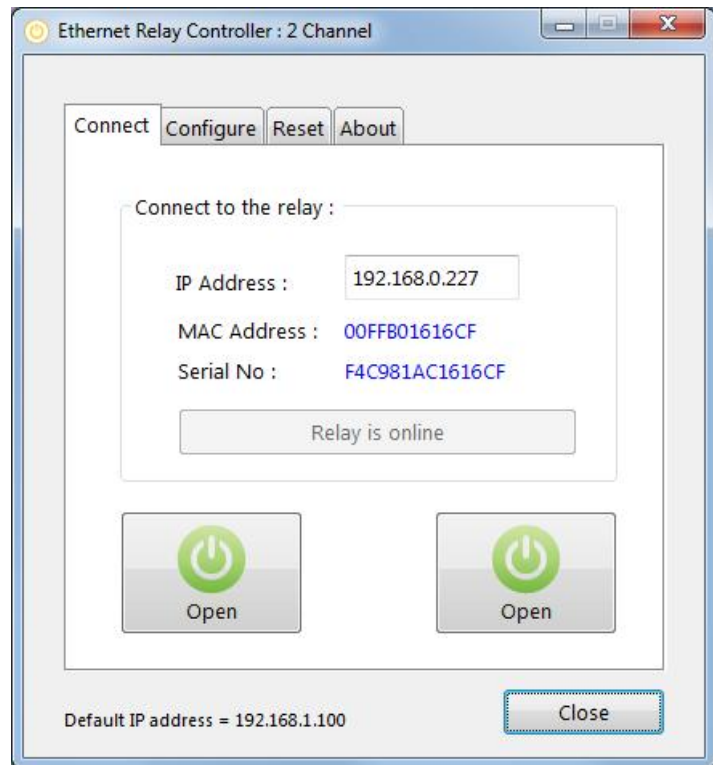
Enter the relay's IP address and try to connect to it on the local network

This will validate the device's MAC address and enable the relay control buttons and *Configure* tab



Operate the relays

Once connected, the two control buttons can be used to operate either relay, the buttons indicate their corresponding status.

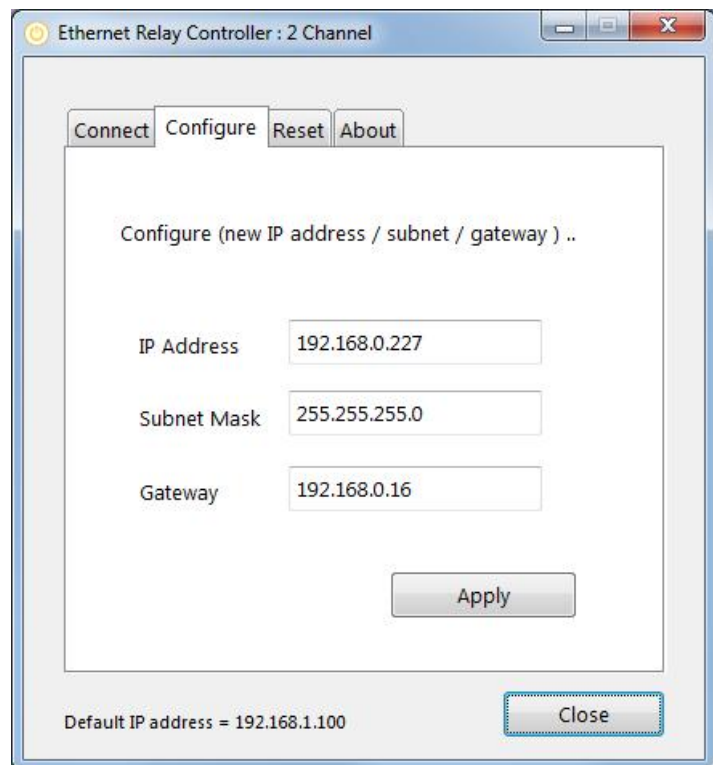


Configure

Once connected to the device you may specify a new IP address, subnet mask and gateway appropriate for your network.

After applying new settings a restart request will be sent to the device.

A restart only takes a few seconds, you should then confirm you can connect/query the device on the new address.



Relay Commands

The device behaves as a TCP server allowing third party software to connect to it as a client via TCP port 6722 or UDP port 6723. The connection will be closed after approximately 15 seconds of no activity.

The TCP & UDP ports are fixed and cannot be changed.

Commands should be sent to the device in ASCII format to control the relays as follows :

Relay 1		Relay 2	
Close	Open	Close	Open
11	21	12	22

Timed Commands

A timer value may be appended to the open/close command as follows

:s

where s = the number of seconds in the range 1 .. 65535

Example: Close relay 1 for 5 seconds = 11:5