

# HIGHCROSS Quick Setup

In example of the ECM-IO16D module

1. Connect the device to the Ethernet switch.  
If the switch has no POE option, connect the power 12-24V DC to the power terminals
2. Set the network settings of your computer:
  - Fixed IP address: **10.0.1.10**
  - Subnet mask: **255.255.255.0**
3. Enter the address **10.0.1.101** in the address bar of your browser.  
You will see the device homepage.
4. Enter **Login/Password** (by default: root/root)
5. Choose the "**Settings**" menu:

**HighCross IO16D**  
Digital Input/Output Module

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## Settings

### Connection settings

Parameter	Value
<b>Ethernet settings</b>	
▶ MAC-address (read only)	10:10:0A:00:01:65
▶ IP address	10.0.1.101
▶ Subnet mask	255.255.255.0
▶ Gateway	10.0.1.1
<b>Connection settings</b>	
▶ Protocol type	NetString
<b>NetString connection settings</b>	
▶ IP address of controller	10.0.1.11
▶ IP port	5001
▶ Socket live timeout	20
▶ Connection type	Server

### Input settings

Input type	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NO	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>
NC	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

### Output settings

Restore state	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Restore	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
None	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>

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6. Set the desired **IP address** in "Ethernet settings" section.
7. Set the desired **IP port** in "NetString connection settings" (default is 2001).
8. Choose the protocol:
  - **NetString** – Telnet-like plain text protocol (see NetString manual)
  - **Modbus** – to use the device with industrial PLC.
9. Choose the connection type "**Server**" to work with any client software (like Telnet, Demopad, iRidum mobile, etc.).
10. Save the current configuration.

The device will reboot and will be ready to be connected to your local network.  
(Remember to return your computer to the previous configuration of the network settings).

To reboot the device, press the "reset" button shortly.  
To reset all the settings, press the "reset" button for more than 5 seconds.

Please, refer our site [www.highcross.com](http://www.highcross.com) for further info.