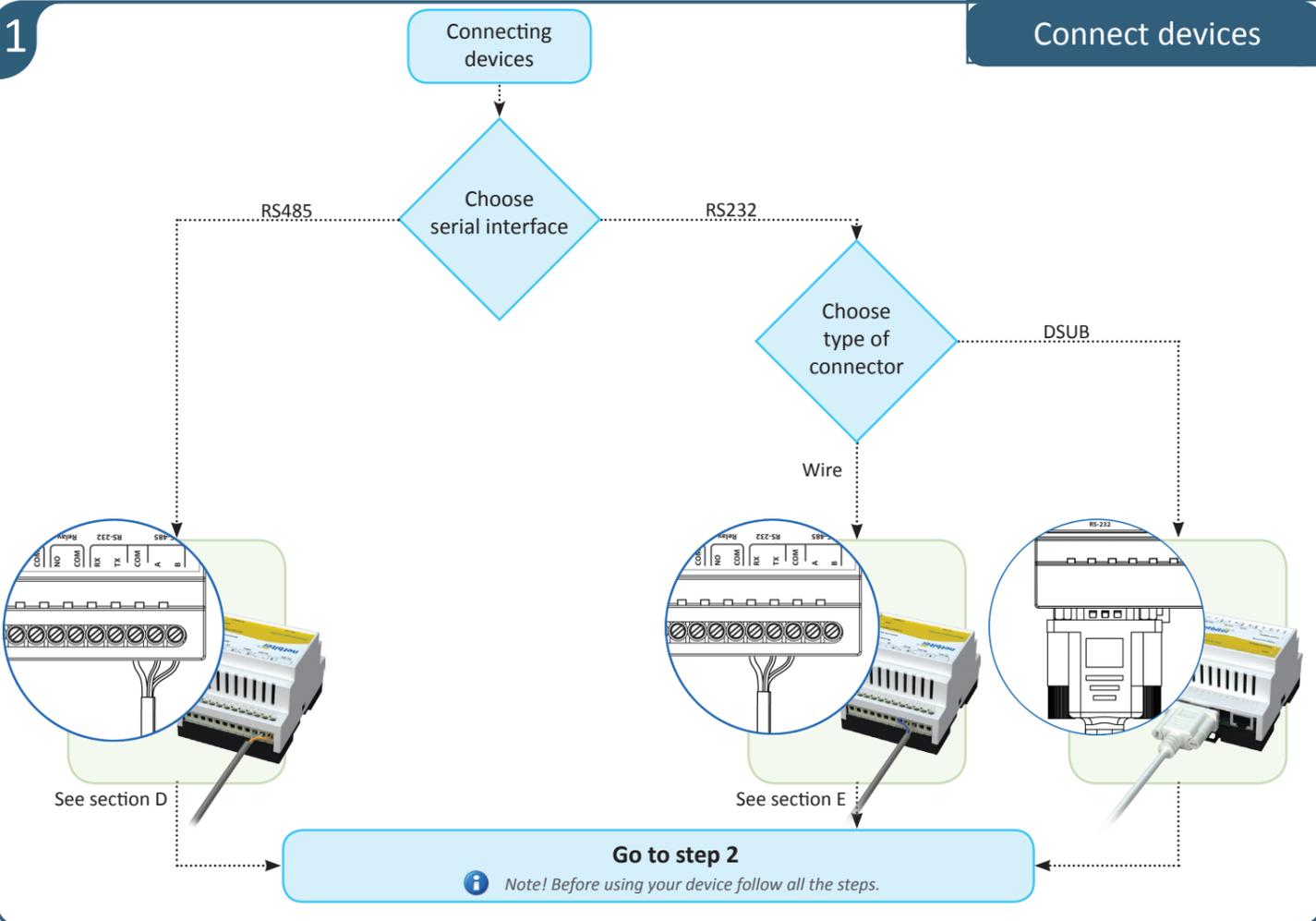


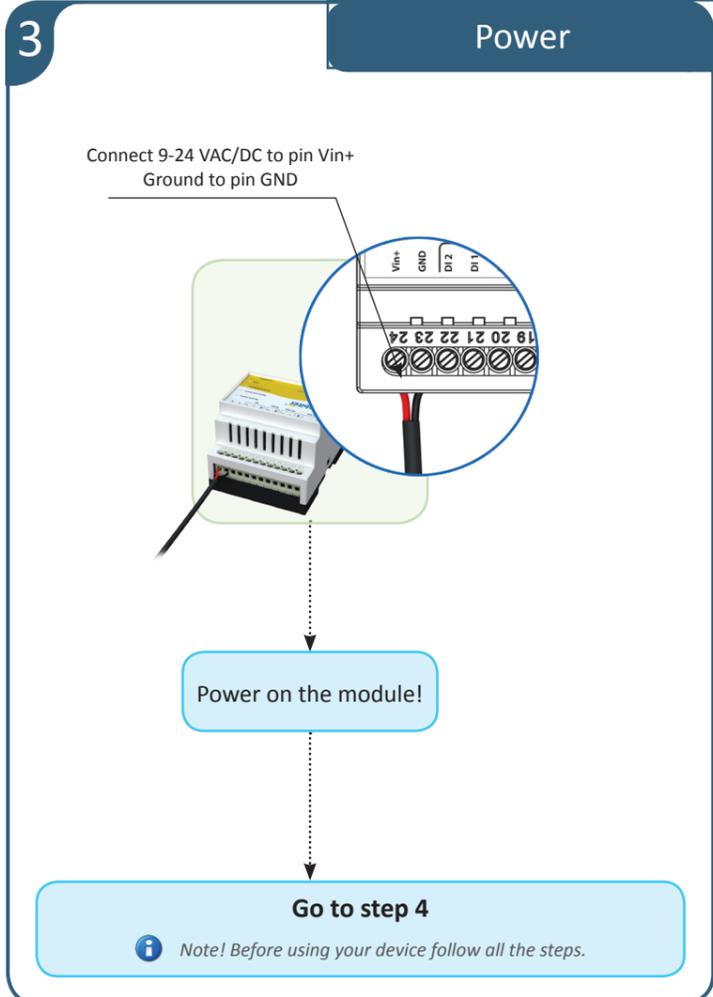
1

Connect devices



3

Power



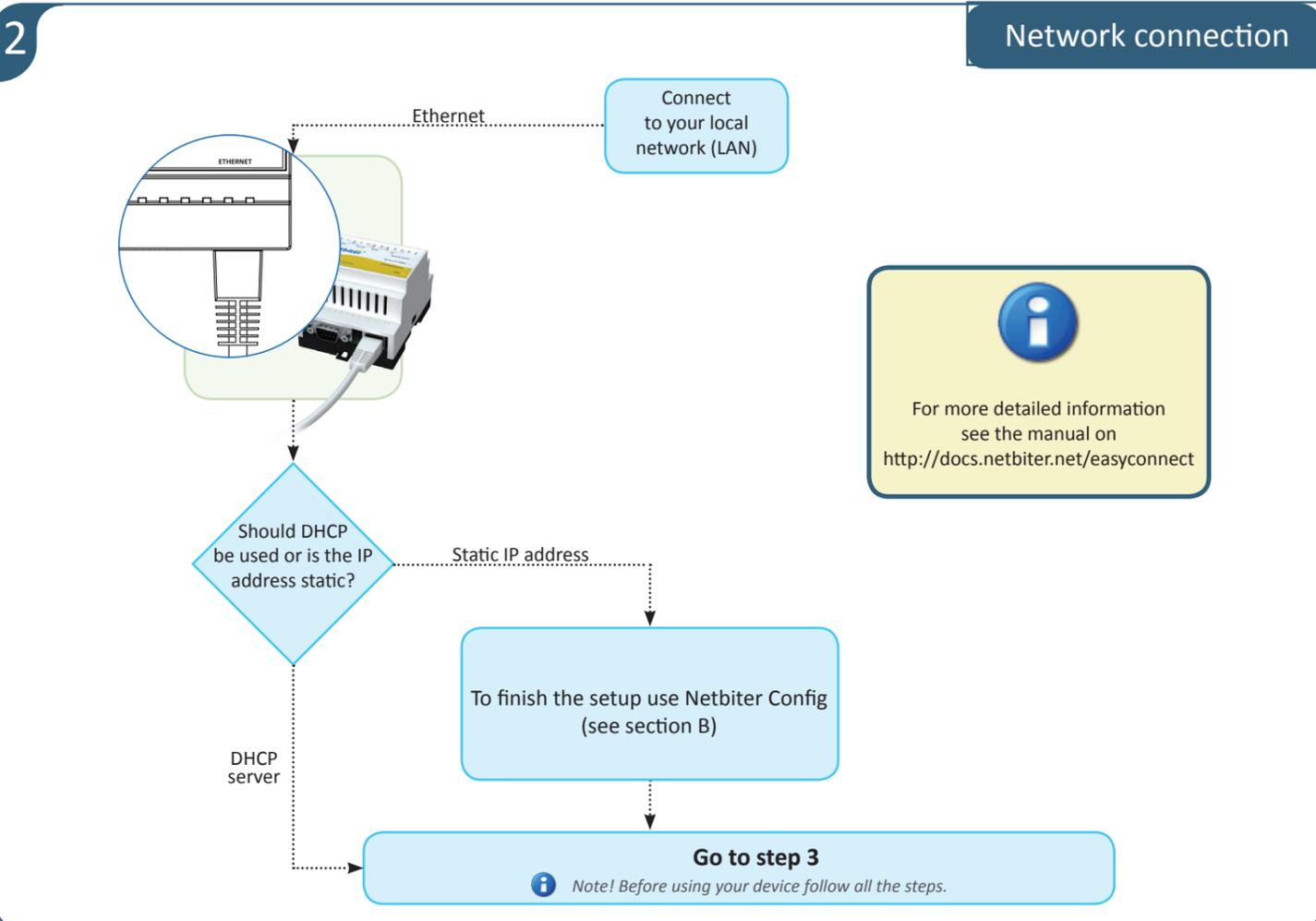
5

LED descriptions

Name	Color	Function
Module Status	OFF	No power
	Red/Green	See step 4
Serial Link Status	Green	Flashing – Serial Packet receive
	Red	Flashing – Serial Packet transmit
Activity / Collision	Green	Flashing – Packet receive
	Red	Flashing – Ethernet Collision
Link	Green	Turned On – Ethernet network detected, 10Mbps
	Orange	Turned On – Ethernet network detected, 100Mbps

2

Network connection

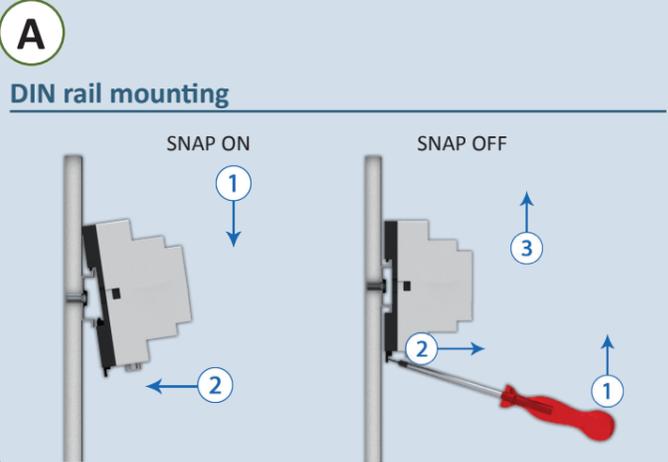


4

Module status LED

Module Status LED indication	Description and actions
No power	Check that the power supply is correct.
Problem with Network settings	Ethernet Make sure that the network settings are correct: <ul style="list-style-type: none"> If set to DHCP make sure there is a DHCP server on the network. If set to static IP address make sure that the IP-address, gateway and DNS is correct. See section B for further instructions.
No connection to Netbiter Argos	Ethernet Make sure that port 443 or 80 or 5222 is open in the firewall.
Boot-up	During boot-up the module status LED is constantly lit.
Running	This indicates an optimal setup.

- Power on module.
- Check that the status LED indicates green (see table below).
- Go to section C to finish the configuration on www.netbiter.net.



B Configuration

About the Netbiter Config utility
The Netbiter Config utility is a PC-based configuration utility to set TCP/IP network settings in the Netbiter. This utility has the ability to scan the Ethernet network for connected Netbiter devices and let the user set IP-address, net mask, gateway, DNS and hostname for each unit.

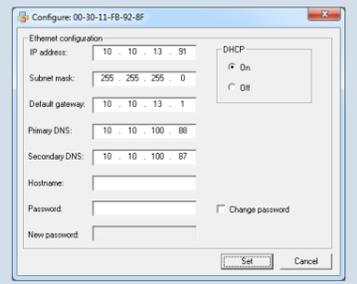
Installation Procedure
Download the self-extracting installation package **Netbiter Config** utility from <http://support.netbiter.com> and run it.

Scanning for connected devices
First ensure that you have connected the Netbiter units you want to install on the same Ethernet network as the PC is connected to. Use standard Ethernet cables, straight-through (for connecting to a switch/router) or cross-over cable (for connecting directly to a PC).

When the Netbiter Config utility is started, it will scan the Ethernet network for Netbiter devices. All detected devices will be presented in a list in the main window. If you want to force a new scan for devices, you can press the "Scan" button.

Changing IP settings
To change the IP settings on a detected device, double-click on the device you want to configure in the list of devices. This will open up a dialog where you can enter the desired IP configuration.

NOTE! Do not select the DHCP option if you don't have a DHCP server available on the network.



The default password for authentication of the new settings is "admin". Pressing "Set" will cause the Netbiter device to reboot and after that the new settings will be enabled.

To protect your device the default password must be changed.

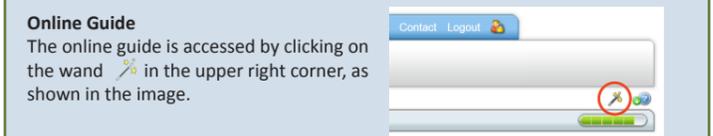
You can test the new settings by opening a web-browser and enter the IP you just selected. If you selected DHCP and want to know what IP your device have been assigned, you can do a new scan with the Netbiter Config utility to view the new network configuration information.

C Activate EC150 for Netbiter Argos

The Netbiter gateway has to be activated before it can start to communicate with Netbiter Argos. In order to complete this procedure you need to have the **System ID** and **Activation Code** at hand. The System ID and the Activation Code are provided on the Netbiter Argos information note supplied with the Netbiter gateway.

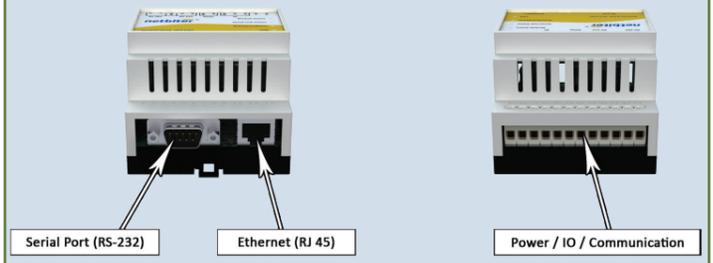
- If you don't have an account on Netbiter Argos:**
1. Go to Netbiter Argos (www.netbiter.net) and click on the **Create an account** link.
 2. When the new account is created, follow the instructions and login to the new account.
 3. Click on the Online guide icon and follow the instructions on how to **Add and activate a system**.

- If you want to use an existing Netbiter Argos account:**
1. Go to Netbiter Argos (www.netbiter.net) and login to your account.
 2. Click on the Online guide icon and follow the instructions on how to **Add and activate a system**.



Online Guide
The online guide is accessed by clicking on the wand icon in the upper right corner, as shown in the image.

D Connectors and I/O



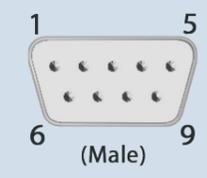
Power, I/O, communication

Pin	Description
B	RS-485 Line B
A	RS-485 Line A
COM	Common
TX	RS-232 Transmit
RX	RS-232 Receive
COM	Relay
NO	Relay
COM	Digital Input Common
DI 1	Digital Input 1+ (10-24VDC)
DI 2	Digital Input 2+ (10-24VDC)
GND	0V / GND
Vin+	9-24 VAC/DC

Field wiring terminals shall be connected with minimum wire size 24AWG

E Serial port (RS232)

Pin	Description
1	CD (Carrier Detect)
2	Rx (Receive)
3	Tx (Transmit)
4	DTR (Data Terminal Ready)
5	GND
6	DSR
7	RTS (Request To Send)
8	CTS (Clear To Send)
9	RI (Ring Indicator)



F Technical details

Power Supply
9-24 VAC/DC (2 W)

Temperature range
Operating: -40 °C - +65 °C
Storage: -40 °C - +85 °C

Humidity range
5-95% RH, non-condensing

Mounting option
DIN rail (EN 50022)

Dimensions
H57,7mm x W70,0mm x D86,0mm



EasyConnect Series Accessories



Netbiter® I/O Extender series is a collection of analog and discrete I/O modules with Modbus-RTU protocol communication.

Order Code	Description
IOX-DAIO	4DI, 2DO, 2AI, 1AO, 2RTD
IOX-8DIO	8 Digital inputs, 8 Digital outputs
IOX-4RO	4 Relay outputs
IOX-6RTD	6 RTD (Pt100/1000, Ni120/1000, Resistance)
IOX-8AIV	8 Analog inputs (voltage)
IOX-8AIIS	8 Isolated Analog inputs (current)

Other accessories

Order Code	Description
E-029	Power supply 24VDC (DIN rail mount)

Please check www.netbiter.com for the most updated accessories and other Netbiter products.

EasyConnect EC150 Installation Guide



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