Quick Start Guide









What's Included

- iPIO-xx Unit
- Network Cable
- Quick Start Guide
- A/C Power Supply

Available Online at dataprobe.com/support-ipio

- Complete Product Manual
- Device Management Utility
- Software Developer Tools

Connections

- 1. **Connect Network.** iPIO supports 10/100 Ethernet using the cable supplied, or other suitable unshielded twisted pair (Cat 5) cabling. When power is connected to the iPIO, the orange LED for link, and green Activity LED on the network connector indicate when the network connection is properly established.
- 2. Connect Inputs. (2 Connections per Channel) Connect the inputs to the iPIO using the screw terminals. Inputs can be either dry relay or switch contacts, or a +VDC voltage (3 to 30 V), referenced to a common ground. Screw terminals are removable for easy installation. Terminals for each circuit are marked + and G. When connecting dry relay contacts, the polarity is not significant.
- 3. Connect Relays. (3 Connections per Channel) Relays are Form C. Connect to the Common (C), Normally Closed (NC) and Normally Open (NO) as marked. When the iPIO-8 relay is in the Open Condition, the Common is connected to the Normally Open. In the Closed state, the Common and Normally Closed are connected.
- **4. Connect Power.** Each unit is supplied with an A/C Power supply. Connect to suitable A/C source, then power up the iPIO device.



The iPIO is Factory set for Dry Contact Input Only. Prior to Connecting +VDC, Jumpers must be configured. See full manual or contact Dataprobe Technical Support.

Relay Specifications

Rating (resistive)	0.5 A 120 VAC or 1 A 24 VDC
Max Carrying Current	2 A
Max Switching Power	60 AV, 24 W
Max Switching Voltage	120 VAC/60 VDC
Max Switching Current	1A
Life Expectancy	5 Million Operations Mech. 100K Oper. at rated load

Web Browser Access

Factory Default IP Address: 192.168.1.254 Factory Default Security Credentials:

Role	Username	Password
Administrator	admin	admin

To access the iPIO from the default IP Address, requires the PC to be on the same local network (IP Address 192.168.1.nnn). If it is not, change the iPIO IP Address using one of the methods described below.

After pointing the browser to the IP Address of the iPIO, enter the Administrator Username and Password to access the complete setup features. Enter the User credentials to access only the power control. Once the user is validated, the Control and Status is displayed.

Input and Output status is updated automatically. To control any Output Relay, click on the Change link adjacent to the Relay Status.

Changing the IP Address

 Device Management Utility Obtain the Device Management Utility (DMU) from Dataprobe's website at <u>dataprobe.com/support-ipio</u>. The DMU provides the easiest means to find and configure your iPIO for use. It can discover all the iPIOs on your network, display the current IP address of each, and allow setting of any valid IP address.

Note: The IP address can only be set within the first two minutes of powering up the iPIO. The Setup Utility will only work with iPIOs on the same physical subnets as the PC.

The iPIO Setup Utility can also be used to return an iPIO to its Factory Default condition. This can be used to recover an iPIO with a lost password. Highlight an iPIO from the display and click Factory Defaults. This must also be done within the first two minutes of powering up the iPIO.

Complete instructions for the DMU are provided with the download, and in the full iPIO Manual.

- 2. Web Page Setup From the home page, click on Setup, then Network. Enter the new IP Address, Subnet Mask and Gateway, then click Save. Click the Reboot button (or press the reset button next to the power outlet LED) to restart the iPIO with the new settings.
- **3. DHCP** From the Home page, click on Setup, then Network. Change the IP Mode from Static to DHCP. Click Save, then Reboot. The iPIO will obtain its network settings from the server. Check the server, or use the Device Management Utility to obtain the new settings.



dataprobe	Location Istration	ID: iPIO-16 New		iP	10-16
Status Setup Admin Remote Sites S Guard Shack OK Front Gate Kat	istration				
Remote Sites S Guard Shack OK	Status				
Guard Shack OK Front Gate FAIL	bialus				
Front Gate FAIL	Port Input Name	Status	Output Name	Status	Chane
And a state of the	1 Input 1	Open 1	Relay 1	Closed 1	Chang
	2 Input 2	Closed 2	Relay 2	Open 2	Chang
System	3 Input 3	Open 3	Relay 3	Open 3	Chang
Refresh	4 Input 4	Open 4	Relay 4	Closed 4	Chang
Lopout	5 Input 5	Closed 5	Relay 5	Open 5	Chang
	6 Input 6	Open 6	Relay 6	Open 6	Chang
	7 Input 7	Open 7	Relay 7	Closed 7	Chang
	8 Input 8	Open 8	Relay 8	Open 8	Chang
	9 Input 9	Open 9	Relay 9	Open 9	Chang
	10 Input 10	Closed 10	Relay 10	Open 10	Chang
	11 Input 11	Open 11	Relay 11	Closed 11	Chang
	12 Input 12	Open 12	Relay 12	Open 12	Chang
	13 Input 13	Open 13	Relay 13	Closed 13	Chang
	14 Input 14	Open 14	Relay 14	Open 14	Chang
	15 Input 15	Open 15	Relay 15	Open 15	Chang
	16 Input 16	Open 16	Relay 16	Open 16	Chang

Name	Product ID	IP Address	Mac Address
iPIO-8 v3.5	iPIO-8 v3.5.00	192.168.2.254:80	00:0D:AD:00:00:02

() iPIO-16 New (192.168.1.254) × +

Calle DI De Location ID: iPIO-16 New			iPiO-10
Status Setup Getup Device	Administration	up	
Network	MAC Address	00:0D:AD:04:6E:80	
Emal	IP Address Mode	Static ¥	
e-mai	IP Address	192.168.1.254	
SNMP	Subnet	255.255.255.0	
Inputs	Gateway	192.168.1.1	
Relays	HTTP (Web) Port	80 Default 80	
Pamotas	S SL		
romona.	HTTPS (SSL) Port	443 Default 443	
	Telnet		
system	Telnet Port	23 Default 23	
Refresh	DxP Port	9100 Default 9100	
Logout	AES		
	AES Passphrase	Passphrase	
	DxP Uses Credentials		
	Connection Timeout	2	
	Save Settings	Cancel	

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