



# iCON-10W

# **10 Button Controller**

# With built in web UI programming interface

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### Overview

The iCON-10W 10 button controller provides extremely easy programming via the built-in web UI programming interface. Control up to 10 devices through LAN and RS232. Macros allow up to six commands per button. The iCON-10W can be powered over PoE 802.3af, or with the included power adapter.



#### Features

- Easy programming with built in web UI programming interface.
- Controls up to 10 devices.
- Macro provides up to six commands (to any combination of devices) per button.
- PoE 802.3af power, or optional power adapter.
- Optional preprogramming services available when used with PureLink devices.
- Optional button labels, pre-configured, or custom.

# Specifications

Technical	
Front panel	10 x Buttons(silicone soft buttons)
Back panel	1 x LAN (RJ45, PoE), 1 x RS232; 1 x DC 12V Power In
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model, ±8kV (Air-gap discharge)/±4kV (Contact discharge)
Power Supply	DC 12V 0.5A (Power adapter optional)
Consumption (Max)	1.3W
Device Dimension	45mm x 105.6mm x 36mm/
(W x H x D)	1.77" x 4.16" x 1.42"
Product Weight	0.18kg/0.40lb

# Front and Rear View





## Installation

The iCON-10W can be powered from a network switch or PoE injector that satisfies the 802.3af PoE standard. Alternately, the iCON-10W also accepts 12 VDC power at the rear panel Phoenix connector with the supplied AC adapter.

The iCON-10W occupies a one gang box and is compatible with decora wallplates.

With a power draw of 1.3 watts, thermal performance is negligible at  $\sim$  4.4 btu.

# Programming

#### The default address of the iCON-10W is 192.168.1.254.

The keypad provides a built-in web UI to setup devices and configure commands, as well as configure network settings of the keypad and acquire system information. The web UI is accessible through browsers such as Chrome, Firefox, Safari, Opera, IE10+, etc.

Once the keypad is powered via Poe or local power adapter, connected to the network, and your programming laptop/tablet is in the same subnet and connected to the same network.



Using your device's browser, access the built-in web page of the iCON-10W.

S IP Keypad Controller × +		– 0 ×
← → C ▲ Not secure   192.168.1.254		🕶 ९ 🖈 🔶 🕲 🥯 🖇 🤌 :
	▲ admin	
	·····	

Login

Username 'admin' Password 'admin'

Reset to factory default.

Press the two lowest buttons on the keypad until all of the button backlights blink 3 times.

# **Programming interface**

#### **Key Settings**

Prerequisite: Device settings and Command settings

#### Displays graphical interface of front panel. Here you can:

• View commands assigned to each button when hovering over key:



#### Assigning commands to a button

- Assign commands to the button, and change button name in web UI
  - Hover over the edit symbol and click



• A popup window will open for changing the button name in web UI and assigning commands that you have previously defined.

						M	CU Version : V1.
						W	eb Version : V1.
		1	<u> </u>				
ey alias edit:							
n1 O2	Save						
ommand:							
.ommand.							
Device Name	Command Name	Interface	param 1	param2	Delay(ms)	Edit	Remove
VIP-300	Channel 01	Telnet	169.254.1.101	24	0	Edit	Remove
SX-8800	1to1	Telnet	192.168.1.8	24	100	Edit	Remove
Collabora 8 4K	gbcontrolvideo-source VGA3	Telnet	192.168.1.8	24	199	Edit	Remove
VIP-300	Channel 04	Telnet	169.254.1.101	24	150	Edit	Remove
						Edit	Remove
						Edit	Remove
							Save
							× Cancel

• To assign a command, you must first select the device you want to send the command to. Click the Edit button; this will open the Device List popup window.

					M	CU Version : VI
					W	eb Version : VI
ey Edit 1						
ev alias edit:						
11 02	Save					
ommand:	Device List			×		
	Collat	ora 8 4K	SX-	8800		
Device Name	VI	P-300	VIP-NET	-4804-1G		Kemove
VIP-300	VIP-C	AM-100	VID STREAM 100.2		τ	Remove
SX-8800	Mad	lia Avic	Pure	Modia	t	Remove
ollabora 8 4K g	bc		rure	meura	τ	Remove
VIP-300					t	Remove
				* Cancel		Remove
				- cancer		Remove
				0	uit	Remove
						Save
						× Cancel
		-	-			

 Select a device; this will open a popup window to select commands available for that device.



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Key alias edit:							
In1 O2		Save					
Command:	Command F					1	
Device Name	Delay(ms)	0		delay from button p	ress: 0-200 ms	Remove	
VIP-300	Interface	Telnet	-	format: predetermin	ed from Devid	Remove e Settings	tab
SX-8800						Remove	
Collabora 8 4K	Command:	Channel 01	•	command list: prede	etermined from	n <mark>Com</mark> man	d Setting
VIP-300		Channel 01				Remove	
		Channel 02 Channel 03		✓ Save	* Cancel	Remove	
		Channel 04			Euit	Remove	
		Channel 05			Luit	Kemove Savo	

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### Command Settings

#### Prerequisite: Device Settings

This section allows you to enter up to 10 commands for a device. Keep in mind you can create a device more than once if you need more than 10 commands for that device.

y Settings	Command Settings	Device Settings	Group Settings	Network Settings	System Setti
					MCU Version : Web Version :
	-			Edi	it Remove
	1to1		*999ci01o01!	Edi	t Remove
	2to2		*999ci02o02!	Edi	t Remove
	3to3		*999ci03o03!	Edi	t Remove
	4to4		*999ci04o04!	Edi	t Remove
				Edi	t Remove
58-8800	ż			Edi	t Remove
				Edi	t Remove
				Edi	t Remove
				Edi	t Remove
	ž			Edi	t Remove
	Channel 01	e	e_reconnect::0001	Edi	t Remove
	Channel 02	e	e_reconnect::0002	Edi	t Remove
	Channel 03	e	e_reconnect::0003	Edi	t Remove
	Channel 04	e	e_reconnect::0004	Edi	t Remove
VIII 200	Channel 05	e	e_reconnect::0005	Edi	t Remove
VIP-300	-			Edi	t Remove
				Edi	t Remove

To add a command for a device, select the 'Edit' button where the fields are empty. A popup window will appear allowing you to enter the command syntax, and identify whether it is an ASCII or HEX style string.

	Command Settings	Device Settings	Group Settings	Network Settings	System Settin
					MCU Version : Web Version :
	-			Ed	it Remove
	1to1		*999ci01001!	Ed	it Remove
	2to2		*999ci02o02!	Ed	it Remove
	3to3		*999ci03o03!	Ed	it Remove
	4to4		*999ci04o04!	Ed	it Remove
				Ed	it Remove
5X-8800	Command Edit 15	1			Remove
	-				Remove
	Command Name:				Remove Remove
	Command Name:	String HEX			Remove Remove Remove
	Command Name: HEX String Enable: Command:	String HEX			Remove Remove Remove Remove
	Command Name: HEX String Enable: Command: End Flag:	String HEX	\n None		Remove Remove Remove Remove Remove
	Command Name: HEX String Enable: Command: End Flag:	String HEX	\n None	- Saus	Remove Remove Remove Remove Remove Remove
	Command Name: HEX String Enable: Command: End Flag: Command:	String HEX	\n None	✓ Save × Cance	Remove Remove Remove Remove Remove Remove Remove
	Command Name: HEX String Enable: Command: End Flag: Channel 04	String HEX	\n None e_reconnect::0004	✓ Save × Cance	Remove Remove Remove Remove Remove Remove Remove Remove it Remove
	Command Name: HEX String Enable: End Flag: Command: Channel 04 Channel 05	String HEX	\n None e_reconnect::0004 e_reconnect::0005	✓ Save × Cance Ed Ed	Remove Remove Remove Remove Remove Remove Remove Remove Remove It Remove
VIP-300	Command Name: HEX String Enable: Command: End Flag: Channel 04 Channel 05	String HEX	\n None e_reconnect::0004 e_reconnect::0005	Save Cance	Remove Remove Remove Remove Remove Remove Remove Remove Remove It Remove It Remove

You may also provide a name for the command, and what set of delimiters if any are needed. Press Save to complete the process.

## **Device Settings**

Allows you to enter up to ten controllable devices and set up their communication parameters.

ey Settings	Command Settings	Device Settings	Group Settings	Network Settings	Sy	stem Setting
					MC We	U Version : V b Version : V
Freehle	-		IP Cont	rol	dit	Remove .
Enable	5X-88	00		1	dit	Remove
Provide la construcción de la const		~~	IP Cont	rol	dit	Remove
Enable	VIP-3			1	dit	Remove
-			IP Cont	rol	dit	Remove
Enable	VIP-NET-4	VIP-NET-4804-1G		introl	dit	Remove
	VIP-CAM-100		IP Control		dit	Remove
Enable					dit	Remove
	IP Control		rol	dit	Remove	
Enable	VIP-STREAT	VIP-STREAM-TOU 2		1	dit	Remove
			IP Cont	rol	dit	Remove
Enable	Media	Media Axis		1	dit	Remove
-	-		IP Cont	rol	dit	Remove
Enable	PureMe	edia		1	dit	Remove
et 11			-		dit	Remove
Disabl	e -		-	1	dit	Remove
				1	dit	Remove
Disabl	e			1	dit	Remove

To Add a device, select the 'Edit' button. A popup window will appear allowing you to enter the name of the device, and the communication parameters.

ey Settings	Command Settings	Device Settings	Group Settings	Network Settings	System Set	ting
					MCU Version Web Version	1 : V 1 : V
r-shi-			IP Cont	rol	Edit Remove	
Enable	5X-88		-		Edit Remove	
Tarabila.			IP Cont	rol	Edit Remove	
Enable	VIP-5		-		Edit Remove	2
Fachte	VID NET 4	004.10	IP Cont	rol	Edit Remove	
Enable	Davice Edit	804-16			Remove	2
Feeble	Device Eur				Remove	
	Device Name:				Remove	:
Constation (	IP Address:				Remove	
Enable	Port:				Remove	
Epable					Remove	2
	Username:				Remove	
Cooble	Password:				Remove	2
					Remove	2
Die				✓ Save × Canc	el Remove	2
DIS					Remove	
Dice	blo		-		Edit Remove	
DISa	ible .		-		Edit Remove	,

Once you have completed the settings for the device, press 'Save'.

To remove a device, use the 'Remove' button.

### **Group Settings**

This function allows you to set the behavior of button LEDs in groups and individually

There are the LED behaviors:

- Independent/Reserve: default behavior. Works for individual buttons.
  - LED flashes twice with any button press
  - Note: as this is the default behavior, you do not have to assign buttons this functionality unless you want it clearly defined in the web UI.
- Independent/Toggle. Works for individual buttons.
  - LED flashes, then remains lit. Next button press, LED flashes then remains off. Cycle repeats.
- Mutual Exclusion. Works for groups of buttons.
  - Last button pressed within a group of buttons becomes the only one illuminated.

ey Settings	Command Settings	Device Settings	Group Settings	Network Settings	System Setti	ngs
					MCU Version Web Version	: V1 : V1
Group Number	LED Method		Key	E	dit Remove	1 ^
Group 1	independent and toggl	e	KEY1	E	dit Remove	
Group 2	mutual exclusion	KEY	6,KEY7,KEY8,KEY9,K	EY10 E	dit Remove	
Group 3	independent and reserv	/e	KEY3	E	dit Remove	
					Add	
						÷

# Network Settings

Allows settings of the network parameters for the iCON-10W.

Key Settings	Command Settings	Device Settings	Group Settings	Network Settings	System Settings
					MCU Version : V1.0. Web Version : V1.14
Networ	rk Setting				
IP Mode	Static 🗸				
IP Addres	is 169.254.1.7				
Netmask	255.255.0.0				
Gateway	169.254.1.1				
Save					
_					

Reset to factory default.

Press the two lowest buttons on the keypad until all of the button backlights blink 3 times.

Factory default network settings:

- IP Mode Static
- IP Address 192.168.1.254
- Netmask 255.255.255.0
- Gateway 192.168.1.1

### System Settings

Allows settings of the following system parameters:

- Username and Password
- Language Setting
  - English or Chinese
- UI timeout
  - Between 5 to 60 minutes, in ten-minute increments.
- Configuration Download
  - o Downloads as 'config.ini' file
- Configurations restore from file.
  - From 'config.ini' file type
- Reset to Factory Default
- Reboot device
- Upgrade web UI
- Upgrade MCU firmware

Key Settings	Command Settings	Device Settings	Group Settings	Network Settings	System Settings
					MCU Version : V1.0.3 Web Version : V1.14
System S	etting				
Username	Username				
Old Passwo	rd Old Passwo	ord			
New Passwo	ord New Passw	ord			
Confirm Pas	ssword Confirm Pa	ssword			
Salve					
Languag	e Setting				
English					
Weblog	in Timeout(Mi	nutes)			
60 min		114(00)			I
Downloa	d Current Cor	figuration			
Download					
Restore (	Configuration				
Select a Fil	e Restore				
Reset to	Default				
Reset					
Reboot t	he Unit				
Reboot					
Web Upg	Irade				
Select a Fil	e Upgrade				
MCU Upg	grade				
Select a Fil	le Upgrade				

## **Preconfiguration Services**

PureLink provides preconfiguration services for the iCON-10W when used with a PureLink product, such as Media Axis, PureMedia, PureStream, HDTools products, and more. Please contact sales@purelinkav.com or 201-488-3232, or try our Live Chat at www.purelinkav.com

For additional support, please contact <a href="mailto:support@purelinkav.com">support@purelinkav.com</a> or 201-488-3232 or try our Live Chat at <a href="mailto:www.purelinkav.com">www.purelinkav.com</a>

