

User Manual

ESPC-8IP

8 Ports Power Controller w/ Sensors



All Rights Reserved

Version: ESPC-8IP_2025V1.0

Preface

Read this user manual carefully before using the product. Pictures shown in this manual are for reference only. Different models and specifications are subject to real product. This manual is only for operation instruction, please contact the local distributor for maintenance assistance. The functions described in this version were updated till July, 2025. In the constant effort to improve the product, we reserve the right to make functions or parameters changes without notice or obligation. Please refer to the dealers for the latest details.

FCC Statement

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. It has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation.

Operation of this equipment in a residential area is likely to cause interference, in which case the user at their own expense will be required to take whatever measures may be necessary to correct the interference.

Any changes or modifications not expressly approved by the manufacture would void the user's authority to operate the equipment.



SAFETY PRECAUTIONS

- To ensure the best from the product, please read all instructions carefully before using the device. Save this manual for further reference.
- Unpack the equipment carefully and save the original box and packing material for possible future shipment.
- Follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- Do not dismantle the housing or modify the module. It may result in electrical shock or burn.
- Using supplies or parts not meeting the products' specifications may cause damage, deterioration or malfunction.
- Refer all servicing to qualified service personnel.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Do not put any heavy items on the extension cable in case of extrusion.
- Do not remove the housing of the device as opening or removing housing may expose you to dangerous voltage or other hazards.
- Install the device in a place with fine ventilation to avoid damage caused by overheating.
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.
- Unplug the power cord when left unused for a long period of time.
- Information on disposal for scrapped devices: do not burn or mix with general household waste, please treat them as normal electrical wastes.

Table of Contents

1. Product Introduction	1
1.1 Features	1
1.2 Package List	1
2. Specification	2
3. Panel Description	3
3.1 Front Panel	3
3.2 Rear Panel	3
4. Panel Drawing	4
5. System Connection	5
5.1 Usage Precaution	5
5.2 System Diagram	5
6. Web-GUI Control	6
6.1 Dashboard	6
6.2 Network	7
6.3 Schedule	7
6.4 Protocols	8
6.5 Email	8
6.6 Clock	9
6.7 System	9
6.8 Security	10
6.9 Sensor	10
6.10 Maintenance	11
7. RS-232 Control	13
7.1 RS-232 Control Software	13
7.2 RS-232 Command	14
7.2.1 Get the Device Information	14
7.2.2 Setting the Device	17
7.2.3 Restore the Device	25
8. Customer Service	26

1. Product Introduction

Thank you for choosing the product ESPC-8IP. The ESPC-8IP is designed for power control and monitoring data. It supports up to AC 110V~250V 16A power input and up to 10A power output per port. Here are various control methods to control the device. The PDU also supports monitoring data via TCP/IP, which provide multiple network protocols and IoT protocols. In addition, there are several protection mechanisms to protect the safety of device and user.

1.1 Features

- Switch control, voltage, current and power consumption monitoring.
- 2x TCP/IP network ports to provide continuous network services.
- Overload protection, wiring error protection, remote login verification.
- Supports multiple network protocols and IoT protocols.
- Controllable via buttons, RS-232 and Web-GUI.
- Supports connecting sensors to monitor the external environment.

1.2 Package List

1x ESPC-8IP

1x RS-232 Cable

1x Power Cable (AU/ EU/ UK/ US)

2x Mounting Ears and 6x Screws

4x Rubber Feet

1x User Manual

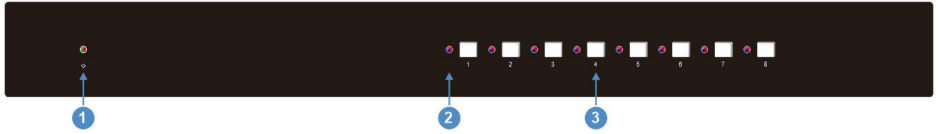
Note: Please contact your distributor immediately if any damage or defect in the components is found.

2. Specification

Input	
Voltage	AC 110-250V
Frequency	50/ 60Hz
Current	Max. 16A
Connector	1x IEC C20
Output	
Voltage	AC 110-250V
Frequency	50/ 60Hz
Current	Max. 10A per port
Connector	8x IEC C13
Control	
Mode	Buttons, TCP/IP, RS-232
Connector	8x white buttons, 2x RJ45, 1x 3-pin phoenix terminal
General	
Voltage Range	110-250V
Current Range	0-16A
Frequency Range	45-65Hz
Power Factor	0-1
Operation Temperature	-5°C ~ +55°C
Storage Temperature	-20°C ~ +70°C
Relative Humidity	0% ~ 80%
Standby Power Consumption	1.73W
Dimension (W*H*D)	436.4mm x 44mm x 225mm
Net Weight	2.75kg

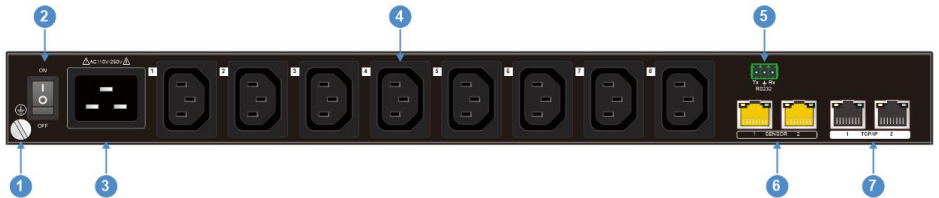
3. Panel Description

3.1 Front Panel



No.	Name	Description
①	POWER INDICATOR	1x green/ red LED, power input indicator. ● LED off: without power input. ● Green on: power input. ● Red on: standby.
②	OUTPUT INDICATOR	8x blue/ red LEDs, power output indicator. ● LED off: Stop power output ● Blue on: Power output ● Blue flash: Delayed state before power output ● Red on: Overload ● Red flash: Detect the third-party device. If the third-party device is detected, the LED will turn blue. If the third-party device is not detected, the LED will flash for 10 seconds and then turns blue.
③	OUTPUT BUTTON	8x white buttons, control power output. Press once for power output, press again stop power output.

3.2 Rear Panel

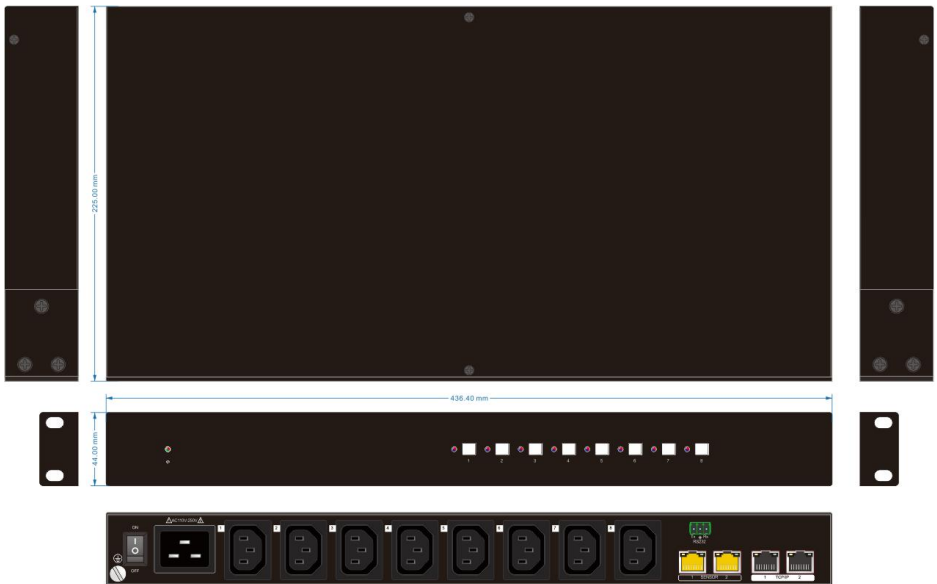


No.	Name	Description
①	GND	1x screw ground terminal.
②	POWER SWITCH	1x rocker switch, control power input.
③	INLET	1x IEC C20, for power input. AC 110-250V 16A.
④	OUTLET	8x IEC C13, for power output. Up to 10A per port.

8 Ports Power Controller w/ Sensors

⑤	RS232	1x 3-pin phoenix terminal, for RS-232 control.
⑥	SENSOR	2x yellow RJ45, connect the sensor to monitor the external environment.
⑦	TCP/IP	2x RJ45, for network service and Web-GUI. ● Green and yellow on: Link status ● Green and yellow flash: Data transfer ● Green and yellow off: Disconnect

4. Panel Drawing

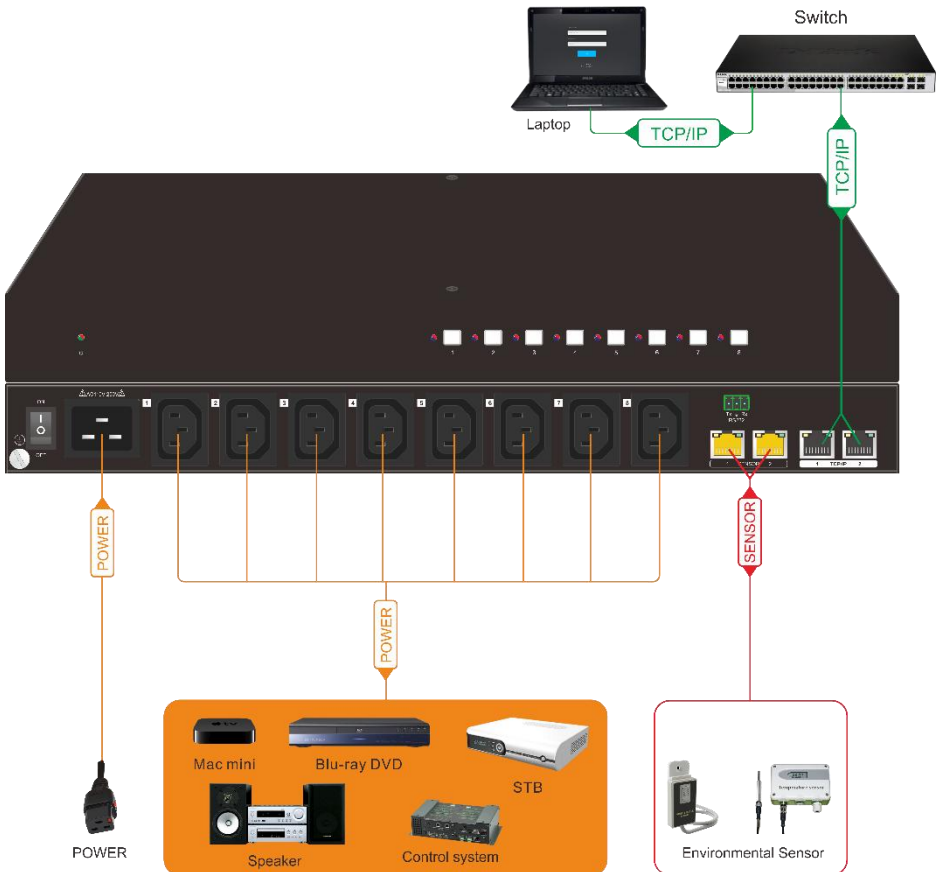


5. System Connection

5.1 Usage Precaution

1. Make sure all components and accessories included before installation.
2. System should be installed in a clean environment with proper temperature and humidity.
3. All of the power switches, plugs, sockets, and power cords should be insulated and safe.
4. All devices should be connected before power on.

5.2 System Diagram

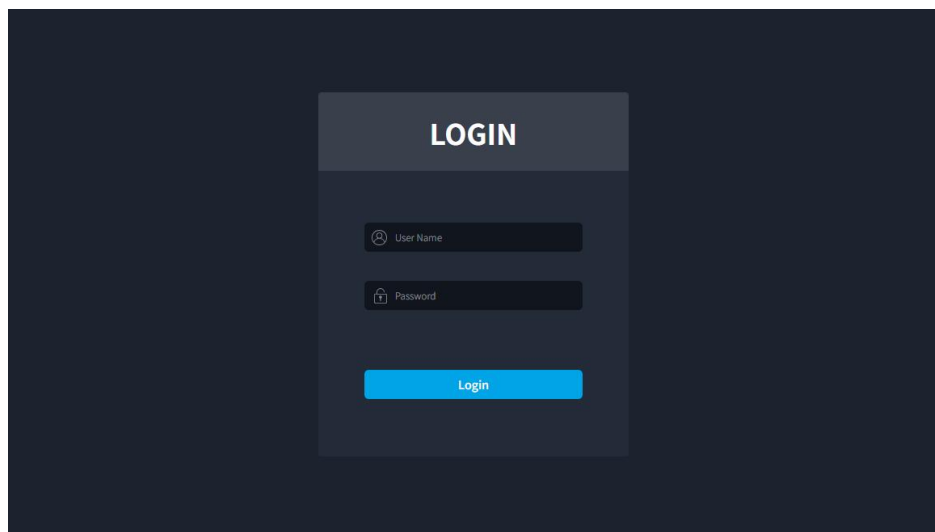


6. Web-GUI Control

Connect the TCP/IP port of the ESPC-8IP. TCP/IP supports DHCP by default. If it is DHCP, please use the assigned IP address. If connect the device directly to the PC or using the static IP, please enter the default TCP/IP information as follow:

- TCP/IP 1: 192.168.0.178
- TCP/IP 2: 169.254.2.225

Please type the IP address in the address bar of the browser to enter the Web-GUI login interface.



Then type the User Name and the Password. The default login information is as follows:

User Name: admin

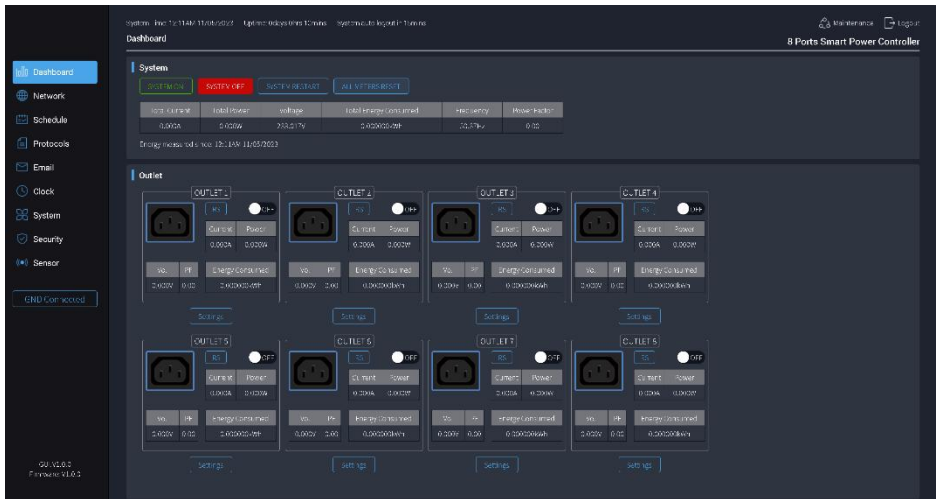
Password: Admin123@

Last, click Login to enter the main interface.

Note: To protect the safety of the device, please change the default password in time.

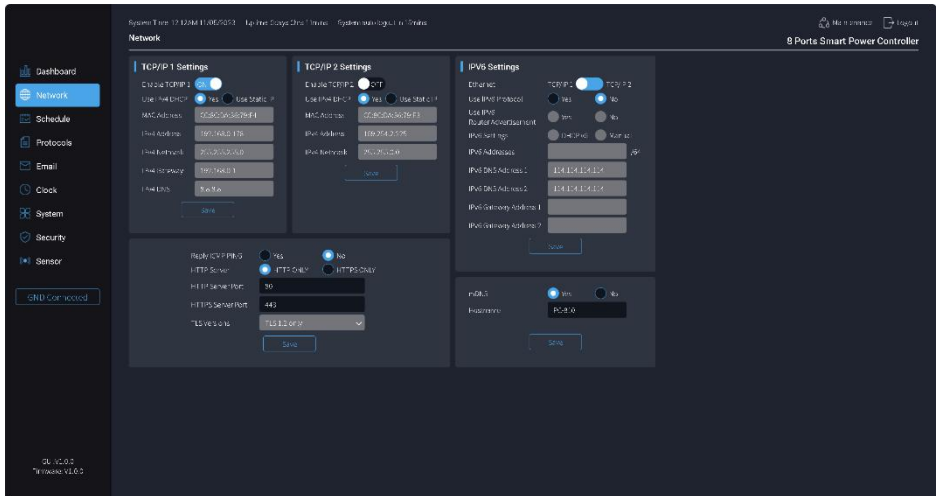
6.1 Dashboard

8 Ports Power Controller w/ Sensors



Here can set up the power supply and meter the data of power supply in real time.

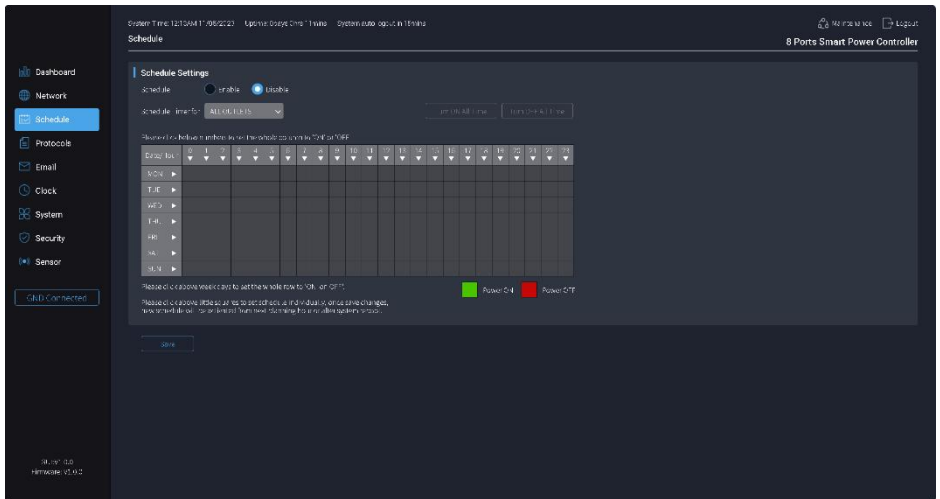
6.2 Network



Here can set up the TCP/IP, IPV6, HTTP and mDNS.

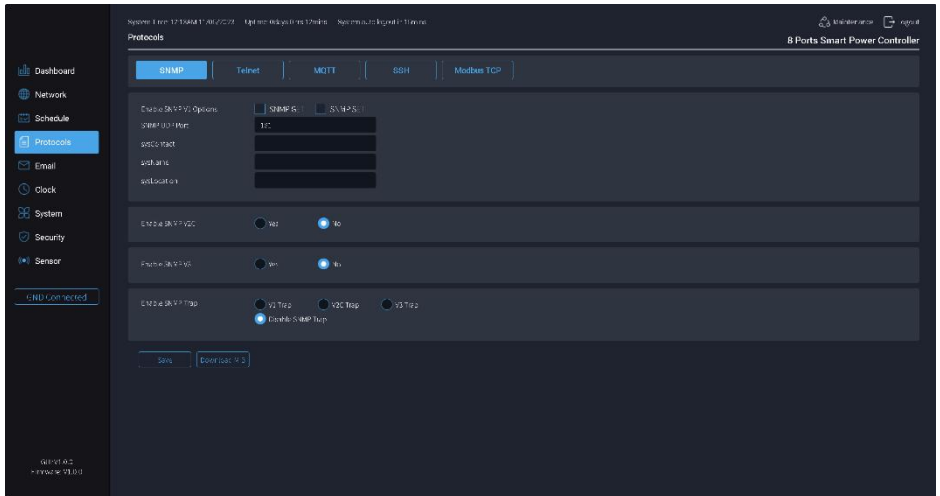
6.3 Schedule

8 Ports Power Controller w/ Sensors



Here can schedule the on/off state of each output by checking one or more boxes.

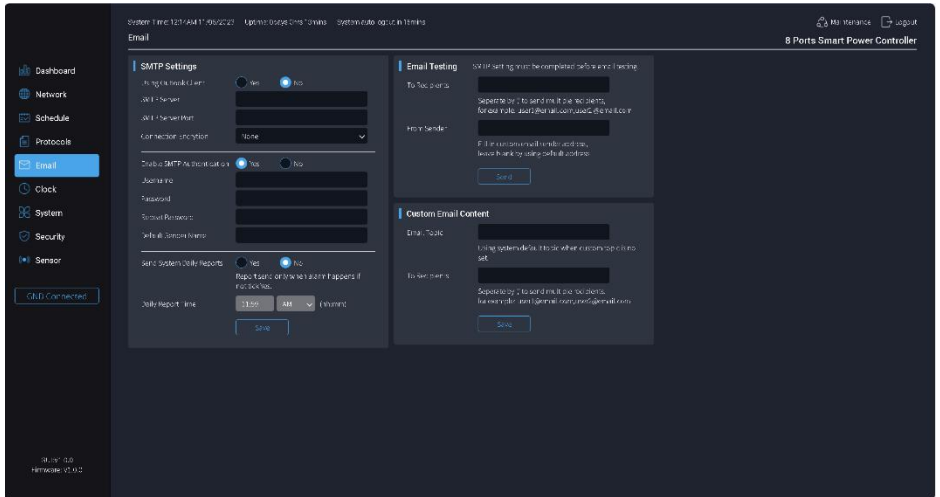
6.4 Protocols



Here are some available protocols for user: SNMP, Telnet, MQTT, SSH and Modbus TCP. They are used to establish connection between some software and the device.

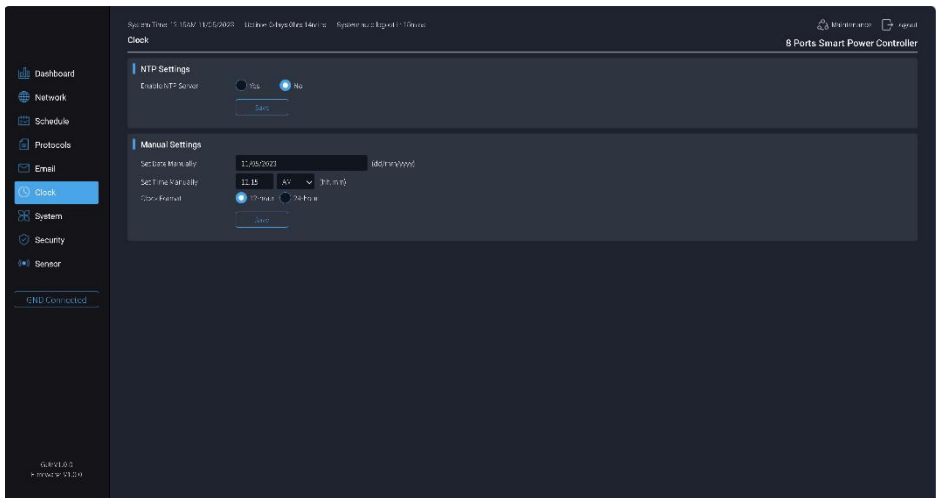
6.5 Email

8 Ports Power Controller w/ Sensors



Here can set up the e-mail servers and account to receive the alarming e-mails and the reports.

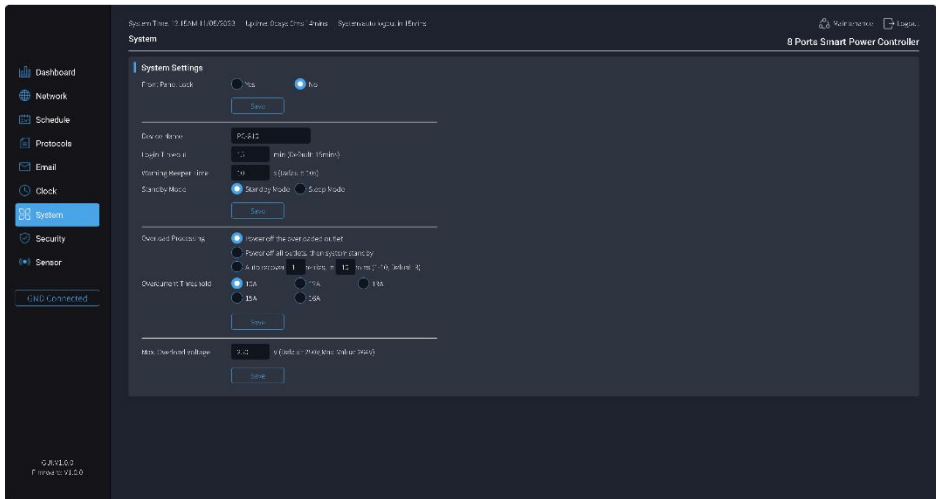
6.6 Clock



Here can configure the time. To get the real time from the internet by set up the NTP, or set the time manually.

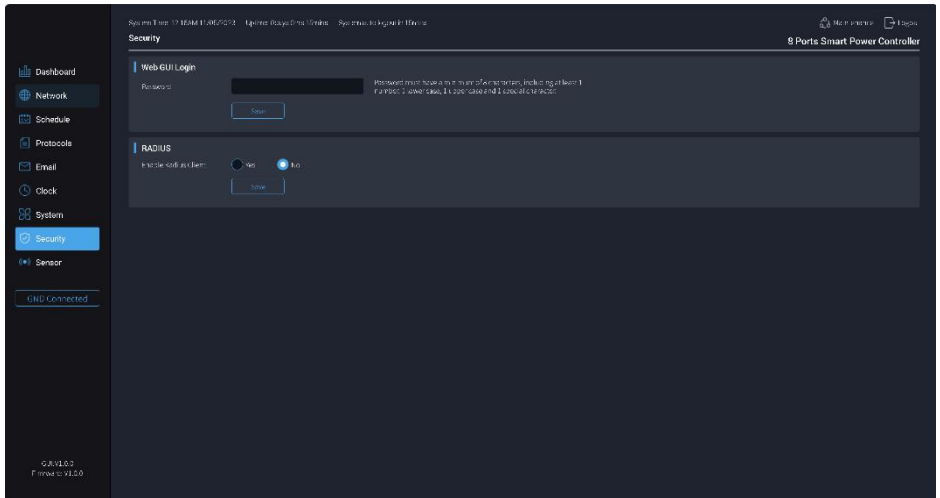
6.7 System

8 Ports Power Controller w/ Sensors



Here can set up the device function response time, overload current threshold and overload voltage threshold, etc.

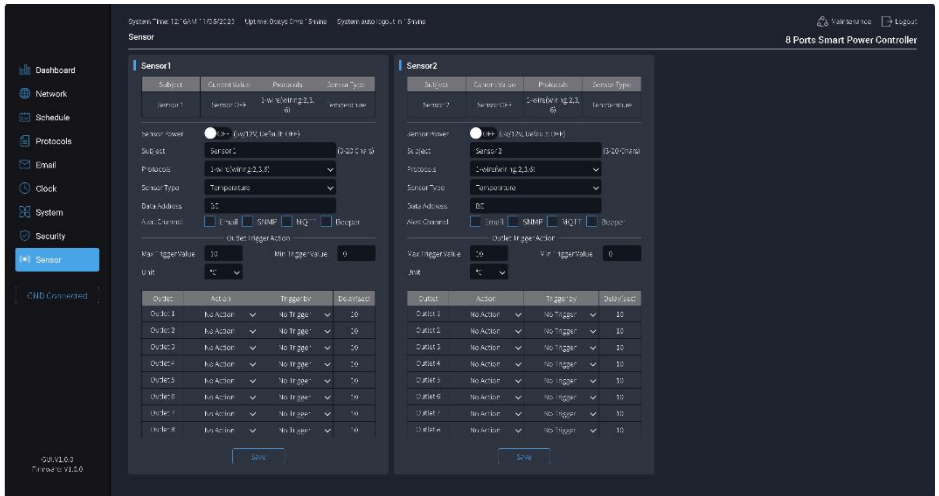
6.8 Security



Here can set up the Web-GUI login password and configure RADIUS.

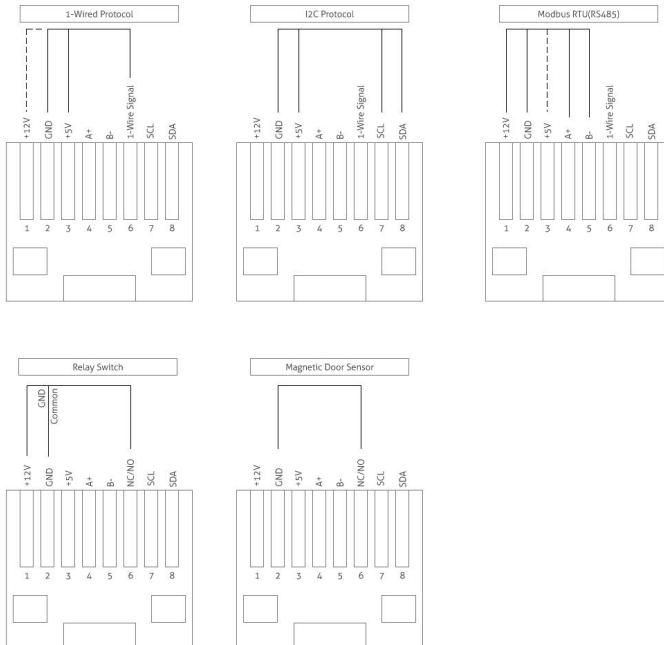
6.9 Sensor

8 Ports Power Controller w/ Sensors



Here can manage the electrical characteristics and properties of sensors, etc.

When connecting sensors, please note that different protocols correspond to different power supply voltages. Please refer to the figure below for the wiring methods of different protocols.



6.10 Maintenance

8 Ports Power Controller w/ Sensors

Dashboard

Network

Schedule

Protocols

Email

Clock

System

Security

Sensor

GND Connected

GUI: V1.0.0
Firmware: V1.0.0

System Time: 2024-12-11 11:59 Uptime: 90days 12 hrs 59 mins System auto logout in 15mins

Maintenance

8 Ports Smart Power Controller

System Logs

View Log File

Clear Log File

Export Log File

04-12-2023 23:59:59 Critical Outlet-3 Overvoltage
04-12-2023 23:59:59 Normal Outlet-1 Power On
04-12-2023 23:59:59 Critical Outlet-2 Overcurrent
04-12-2023 23:59:59 Normal Outlet-4 Power Off
04-12-2023 23:59:59 Normal Outlet-1 Power On
04-12-2023 23:59:59 Normal Outlet-2 Reset Meter
04-12-2023 23:59:59 Normal Outlet-3 Reset Meter
04-12-2023 23:59:59 Normal Outlet-4 Power Off
04-12-2023 23:59:59 Normal Outlet-1 Power On
04-12-2023 23:59:59 Normal Outlet-1 Power On

Firmware Update

C://

Upgrade

SSL Certificate Upload

C://

Upload

Config Import

C://

Browse

Import

Config Export

Export

Restart Device

Factory Reset

Flush DNS Cache

Here can view system logs, upgrade firmware, upload SSL certificate, import and export configurations, and restart devices, etc.

7. RS-232 Control

7.1 RS-232 Control Software

Installation: Copy the control software file to the control PC

Uninstallation: Delete all the control software files in corresponding file path.

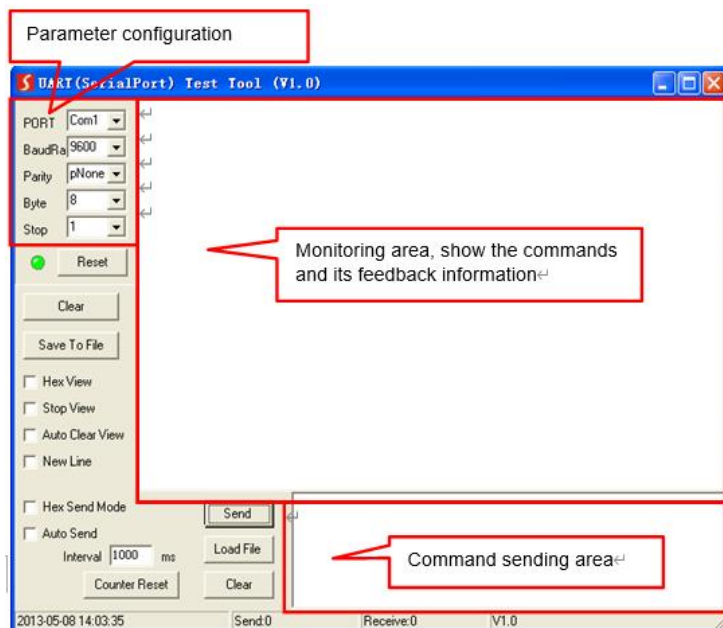
Basic Setting:

Connect the switcher kit with all input devices and output devices needed, then to connect it with a PC which is installed with RS-232 control software. Double-click the software icon to run this software.

Here takes the software CommWatch.exe as example:



The main view is shown as below:



Please set the parameters of COM number, bound rate, data bit, stop bit and the parity bit correctly, and then you are able to send command in command sending area. For related parameters, please refer to 7.2 RS-232 Command.

7.2 RS-232 Command

Baud rate: 57600 (default)

Data bit: 8

Stop bit: 1

Parity bit: NONE

Command terminator: <CR><LF>

Error command feedback code: <Command Error

<Out of Range

Note:

1. Commands are not case sensitive and can automatically identify mixed case commands;
2. The "0" in front of the valid value can be ignored, for example: 01 and 1 inputs are both normal variable values;
3. The space between the command and the variable can be ignored, for example: >SetVideo01 and >SetVideo 01 commands can be sent effectively.

7.2.1 Get the Device Information

Command	Function	Example & Feedback
>?/Help	Query device status	>? or >Help
		Some of the feedback is as follows: <ESPC-8IP <V1.0.0a <System Information Commands >?/Help Print Help Information >GetStatus Print System Status And Port Status >GetOutletStatus xx Print Outlet xx On/Off xx = 0 All, 1 Outlet1, 2 Outlet2, 3 Outlet3, 4 Outlet4, 5 Outlet5, 6 Outlet6, 7 Outlet7, 8 Outlet8 >GetSensorCfg Print Sensor Configuration Information >GetElesta Print All Outputs Electricity Level Information >GetFwVersion Print FW Version And GUI Version <System Control Commands >SetDeviceName:xx Device Name: xx >SetPower On/Off System Power On/Off >SetKeyLock On/Off System KeyLock Control On/Off >FactoryReset

8 Ports Power Controller w/ Sensors

		FactoryReset >Reboot System Reboot And Apply New Config!!! ...
>GetStatus	Query device status	>GetStatus Some of the feedback is as follows: <ESPC-8IP <V1.0.0a <GetPowerStatus On <GetKeyStatus On <GetTCP/IPEnable 1 <GetRS232Baud 57600 <GetSystemCurrentThreshold 12.0A <GetSystemVoltageThreshold 260V <Outlet 1 On <Outlet 2 Off <Outlet 3 Off <Outlet 4 Off <Outlet 5 Off <Outlet 6 Off <Outlet 7 Off <Outlet 8 Off <GetGroundStatus Properly Grounded <GetOutletMode 1 Idle <GetOutletMode 2 Idle <GetOutletMode 3 Idle <GetOutletMode 4 Idle <GetOutletMode 5 Idle <GetOutletMode 6 Idle <GetOutletMode 7 Idle <GetOutletMode 8 Idle <GetOutletPowerOnTime 1 1s <GetOutletPowerOnTime 2 1s <GetOutletPowerOnTime 3 3s <GetOutletPowerOnTime 4 4s <GetOutletPowerOnTime 5 5s <GetOutletPowerOnTime 6 6s <GetOutletPowerOnTime 7 7s <GetOutletPowerOnTime 8 8s <GetOutletPowerOffTime 1 1s <GetOutletPowerOffTime 2 1s <GetOutletPowerOffTime 3 3s <GetOutletPowerOffTime 4 4s <GetOutletPowerOffTime 5 5s <GetOutletPowerOffTime 6 6s <GetOutletPowerOffTime 7 7s <GetOutletPowerOffTime 8 8s ...
>GetOutletStatus	Query single-channel power information >GetOutletStatus [Param1] Param1 = 0-8 0: All Outlets 1: Outlet1	> GetOutletStatus 1

8 Ports Power Controller w/ Sensors

	2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8	<Outlet 1 Off
>GetSensorCfg	Query sensor configuration data	>GetSensorCfg Some of the feedback is as follows: <GetSensor1Response 8 NoAction <GetSensor1Trigger 1 NoTrigger <GetSensor1Trigger 2 NoTrigger <GetSensor1Trigger 3 NoTrigger <GetSensor1Trigger 4 NoTrigger <GetSensor1Trigger 5 NoTrigger <GetSensor1Trigger 6 NoTrigger <GetSensor1Trigger 7 NoTrigger <GetSensor1Trigger 8 NoTrigger <GetSensor1Delay 1 10s <GetSensor1Delay 2 10s <GetSensor1Delay 3 10s <GetSensor1Delay 4 10s <GetSensor1Delay 5 10s <GetSensor1Delay 6 10s <GetSensor1Delay 7 10s <GetSensor1Delay 8 10s <GetSensor2PowerStatus Off <GetSensor2Protocols 1-wire <GetSensor2Type Tem <GetSensor2Address BE <GetSensor2Beeper Off <GetSensor2ValueMax 10 <GetSensor2ValueMin 0 <GetSensor2Unit 1 ...
>GetElesta	Query the device power level	>GetElesta <Total Current 10.121A <Total Power 2255.729W <Total Energy Consumed 0.025465kWh <Voltage 222.880V <Frequency 50.00Hz <Power Factor 0.99 <GetOutletVoltage 1 222.880V <GetOutletVoltage 2 222.880V <GetOutletVoltage 3 0.000V <GetOutletVoltage 4 0.000V <GetOutletVoltage 5 0.000V <GetOutletVoltage 6 0.000V <GetOutletVoltage 7 0.000V <GetOutletVoltage 8 0.000V <GetOutletCurrent 1 4.202A <GetOutletCurrent 2 5.918A <GetOutletCurrent 3 0.000A <GetOutletCurrent 4 0.000A <GetOutletCurrent 5 0.000A

8 Ports Power Controller w/ Sensors

		<GetOutletCurrent 6 0.000A <GetOutletCurrent 7 0.000A <GetOutletCurrent 8 0.000A <GetOutletPower 1 936.620W <GetOutletPower 2 1319.129W <GetOutletPower 3 0.000W <GetOutletPower 4 0.000W <GetOutletPower 5 0.000W <GetOutletPower 6 0.000W <GetOutletPower 7 0.000W <GetOutletPower 8 0.000W <GetOutletConsumed 1 0.011539kWh <GetOutletConsumed 2 0.014438kWh <GetOutletConsumed 3 0.000000kWh <GetOutletConsumed 4 0.000000kWh <GetOutletConsumed 5 0.000000kWh <GetOutletConsumed 6 0.000000kWh <GetOutletConsumed 7 0.000000kWh <GetOutletConsumed 8 0.000000kWh <GetOutletPowerFactor 1 0.99 <GetOutletPowerFactor 2 0.99 <GetOutletPowerFactor 3 0.00 <GetOutletPowerFactor 4 0.00 <GetOutletPowerFactor 5 0.00 <GetOutletPowerFactor 6 0.00 <GetOutletPowerFactor 7 0.00 <GetOutletPowerFactor 8 0.00
>GetFwVersion	Query version information	>GetFwVersion <GetFW Version: V1.0.0a <GetGUI Version: V1.0.0a
>GetSysTime	Query system time	>GetSysTime <GetSystemTime: 2025-06-20 12:47:16 Thu
>GetNetTcp/Ip List	Query the current network IP	>GetNetTcp/Ip List <List Current TCP/IP Address

7.2.2 Setting the Device

Command	Function	Example & Feedback
>SetDeviceName	Set device name >SetDeviceName:[Param1] XX = the device name to be sent (up to 14 characters)	>SetDeviceName:ESPC-8IP
		<Device Name: ESPC-8IP
>SetPower	Enter/Exit Standby Mode >SetPower [Param1] Param1 = On,Off On - Power on Off - Power off	>SetPower On >SetPower Off
		<System Power Off <System Power On, Please Wait A Moment... Done
>SetVoltageThreshold	Set the system voltage threshold >SetVoltageThreshold [Param1] Param1 =198-264	>SetVoltageThreshold 264
		<System Voltage Threshold 264V

8 Ports Power Controller w/ Sensors

>SetSafeMode	Set the system safety mode when overloaded >SetSafeMode [Param1] Param1 = 0-2 0: Outlet_Shutdown 1: System_Shutdown 2:Auto_Retry	>SetSafeMode 0 >SetSafeMode 1 >SetSafeMode 2
		<System Safe Mode : Outlet_Shutdown <System Safe Mode : System_Shutdown <System Safe Mode : Auto_Retry
>SetOverloadRetryCnt	Set the number of restarts when overloaded >SetOverloadRetryCnt [Param1] Param1 = 1-3 1(Default)	>SetOverloadRetryCnt 1 >SetOverloadRetryCnt 2 >SetOverloadRetryCnt 3
		<System Retry Number 1 <System Retry Number 2 <System Retry Number 3
>SetOverloadRetryTime	Set the restart time when overload occurs, in minutes >SetOverloadRetryTime [Param1] Param1 = 1-10 3 (Default)	>SetOverloadRetryTime 1
		<System Retry Delay Time 1mins
>SetStandbyMode	Set system standby mode >StandbyMode [Param1] Param1 = 0-1 0: All_Standby_Mode 1: Sleep_Mode	>SetStandbyMode 0 >SetStandbyMode 1
		<System Standby Mode : All_Standby_Mode <System Standby Mode : Sleep_Mode
>SetRs232Baud	Set RS232 baud rate >SetRs232Baud [Param1] Param1 = 1-7 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600 (Default) 7: 115200	>SetRs232Baud 6
		<RS232Baud 57600
>SetRs232Out	RS232 transparent transmission >SetRs232Out [Param1][Param2][Param3][Param4] Param1 = a,h a: ASCII h: HEX Param2 = 1-7 1: 2400 2: 4800 3: 9600 4: 19200 5: 38400 6: 57600(Default), 7: 115200	>SETRS232OUT a:6:1:RS232
		RS232

8 Ports Power Controller w/ Sensors

	Param1 = 1-3 1: None 2: Even 3: Odd Param4 = string	
>SetBeeperTime	Set the buzzer response time when alarm occurs, in seconds >SetBeeperTime [Param1] Param1 = 0: 9999 10 (Default)	>SetBeeperTime 10
		<Buzzer Sound Time 10s
>SetOutletRestTime xx:yy	Set the channel power reset delay time, in seconds >SetOutletRestTime [Param1][Param2] Param1 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param2 = 2-9999	>SetOutletRestTime 1:2
		<Outlet 1 Power_Resta Delay 2s
>SetOutletTime	Set the delay time of the channel opening action, in seconds >SetOutletOnTime [Param1][Param2] Param1 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param2 = 2-9999	>SetOutletOnTime 1:2
		<Outlet 1 Power_On Delay 2s
	Set the delay time of the channel closing action, in seconds >SetOutletOffTime [Param1][Param2] Param1 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7	>SetOutletOffTime 1:1
		<Outlet 1 Power_Off Delay 1s

8 Ports Power Controller w/ Sensors

	8: Outlet8 Param2 = 0-9999	
>SetOutletEleResetTime	Set the channel power reset delay time, in seconds >SetOutletEleResetTime [Param1][Param2] Param1 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param2 = 0-9999 10(Default)	>SetOutletEleResetTime 1:10
		<Outlet 1 Electrical Work Reset Duration 10s
>SetAllOut	Set the switch status of all channels >SetAllOut [Param1] Param1 = On,Off	>SetAllOut On >SetAllOut Off
		<All Outlets On <All Outlets Off
>SetOutlet	Set the single channel switch status >SetOutlet [Param1][Param2] Param1 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param2 = On,Off,Resta	>SetOutlet 1 On
		<Outlet 1 On
>SetSysTime	Set system time >SetSysTime [Param1] param1 = year-month-day;hour-minute-seconds	>SetSysTime 2025-03-18;11-26-59
		<SetSystemTime: 2025-03-18 11:26:59
>SetNetTcp/IpEnable	Set TCP/IP enable >SetNetTcp/IpEnable [Param1] Param1 = 1-2 1: TCP/IP1 2: TCP/IP2	>SetNetTcp/IpEnable 1 >SetNetTcp/IpEnable 2
		<TCP/IP1 Enable <TCP/IP2 Enable
>SetNetTcp/Ip1Dhcp	Set TCP/IP1 DHCP status >SetNetTcp/Ip1Dhcp [Param1] Param1 = On,Off	>SetNetTcp/Ip1Dhcp On >SetNetTcp/Ip1Dhcp Off
		<TCP/IP1 DHCP On <TCP/IP1 DHCP Off

8 Ports Power Controller w/ Sensors

>SetNetTcp/Ip1Ip	Set TCP/IP1 IPAddress >SetNetTcp/Ip1Ip [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetTcp/Ip1Ip 192.168.000.001
		<TCP/IP1 IP Address 192.168.000.001
>SetNetTcp/Ip1Gw	Set TCP/IP1 Gateway address >SetNetTcp/Ip1Gw [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetTcp/Ip1Gw 192.168.000.254
		<TCP/IP1 Gateway Address 192.168.000.254
>SetNetTcp/Ip1Sm	Set TCP/IP1 Subnet Mask address >SetNetTcp/Ip1Sm [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetTcp/Ip1Sm 192.168.000.254
		<TCP/IP1 Subnet Mask 192.168.000.254
>SetNetTcp/Ip2Dhcp	Set TCP/IP2 DHCP status >SetNetTcp/Ip2Dhcp [Param1] Param1 = On,Off	>SetNetTcp/Ip2Dhcp On >SetNetTcp/Ip2Dhcp Off
		<TCP/IP2 DHCP On <TCP/IP2 DHCP Off
>SetNetTcp/Ip2Ip	Set TCP/IP2 IP address >SetNetTcp/Ip2Ip [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetTcp/Ip2Ip 192.168.000.001
		<TCP/IP2 IP Address 192.168.000.001
>SetNetTcp/Ip2Gw	Set TCP/IP2 Gateway address >SetNetTcp/Ip2Gw [Param1] Param1 = XXX.XXX.XXX.XXX	>SetNetTcp/Ip2Gw 192.168.000.254
		<TCP/IP2 Gateway Address 192.168.000.254
>SetNetTcp/Ip2Sm	Set TCP/IP2 Subnet Mask address >SetNetTcp/Ip2Sm [Param1] [Param1]	>SetNetTcp/Ip2Sm 192.168.000.254
		<TCP/IP2 Subnet Mask 192.168.000.254
>SetNetMdns	Set mDNS status >SetNetMdns [Param1] Param1 = On,Off	>SetNetMdns On >SetNetMdns Off
		<mDNS On <mDNS Off
>SetNetRb	Restart IP service	>SetNetRb
		<Network Reboot And Apply New Config
>SetNetTcp/Ipv61P rotocol	Set TCP/IPv61 Protocol status >SetNetTcp/Ipv61Protoc ol [Param1] Param1 = On,Off	>SetNetTcp/Ipv61Protocol On >SetNetTcp/Ipv61Protocol Off
		<TCP/IPv6 1 Protocol On <TCP/IPv6 1 Protocol Off
>SetNetTcp/Ipv61D hcp	Set TCP/IPv61 DHCP status >SetNetTcp/Ipv61Dhcp [Param1] Param1 = On,Off	>SetNetTcp/Ipv61Dhcp On >SetNetTcp/Ipv61Dhcp Off
		<TCP/IPv6 1 DHCP On <TCP/IPv6 1 DHCP Off

8 Ports Power Controller w/ Sensors

>SetNetTcp/Ipv61Ip	Set TCP/IPv61 IP address >SetNetTcp/Ipv61Ip [Param1] Param1 = XXXX:XXXX:XXXX:XXX X:XXXX:XXXX:XXXX:X XXX	>SetNetTcp/Ipv61Ip fe80:0000:0000:0000:0440:44ff:1233:5678
		<TCP/IPv61 IP Address fe80:0000:0000:0000:0440:44ff:1233:5678
>SetNetTcp/Ipv61Gw	Set TCP/IPv61 Gateway address >SetNetTcp/Ipv61Gw [Param1][Param2] Param1 = 1-2 Param2 = XXXX:XXXX:XXXX:XXX X:XXXX:XXXX:XXXX:X XXX	>SetNetTcp/Ipv61Gw 1 fe80:0000:0000:0000:0440:44ff:1233:0001 >SetNetTcp/Ipv61Gw 2 fe80:0000:0000:0000:0440:44ff:1233:0001
		<TCP/IPv61 Gateway Address1 fe80:0000:0000:0000:0440:44ff:1233:0001 <TCP/IPv61 Gateway Address2 fe80:0000:0000:0000:0440:44ff:1233:0002
>SetNetTcp/Ipv62Protocol	Set TCP/IPv62 Protocol status >SetNetTcp/Ipv62Protocol [Param1] Param1 = On,Off	>SetNetTcp/Ipv62Protocol On >SetNetTcp/Ipv62Protocol Off
		<TCP/IPv6 2 Protocol On <TCP/IPv6 2 Protocol Off
>SetNetTcp/Ipv62Dhcp	Set TCP/IPv62 DHCP status >SetNetTcp/Ipv62Dhcp [Param1] Param1 = On,Off	>SetNetTcp/Ipv62Dhcp On >SetNetTcp/Ipv62Dhcp Off
		<TCP/IPv6 2 DHCP On <TCP/IPv6 2 DHCP Off
>SetNetTcp/Ipv62Ip	Set TCP/IPv62 IP address >SetNetTcp/Ipv62Ip [Param1] Param1 = XXXX:XXXX:XXXX:XXX X:XXXX:XXXX:XXXX:X XXX	>SetNetTcp/Ipv62Ip fe80:0000:0000:0000:0440:44ff:1233:5679
		<TCP/IPv62 IP Address fe80:0000:0000:0000:0440:44ff:1233:5679
>SetNetTcp/Ipv62Gw	Set TCP/IPv62 Gateway address >SetNetTcp/Ipv62Gw [Param1][Param2] Param1 = 1-2 Param2 = XXXX:XXXX:XXXX:XXX X:XXXX:XXXX:XXXX:X XXX	>SetNetTcp/Ipv62Gw 1 fe80:0000:0000:0000:0440:44ff:1233:0001 >SetNetTcp/Ipv62Gw 2 fe80:0000:0000:0000:0440:44ff:1233:0002
		<TCP/IPv62 Gateway Address1 fe80:0000:0000:0000:0440:44ff:1233:0001 <TCP/IPv62 Gateway Address2 fe80:0000:0000:0000:0440:44ff:1233:0002
>SetSensor1/Sensor2Power	Set the switch status of Sensor1/Sensor2 >Set [Param1] Power [Param2] Param1 = Sensor1, Sensor2 Param2 = 0-1 0: Off 1: On	>SetSensor1Power 1 >SetSensor2Power 1
		<Sensor1 Power On <Sensor2 Power On

8 Ports Power Controller w/ Sensors

>SetSensor1/Sensor2Protocols	Set the Sensor1/Sensor2 protocol >Set [Param1] Protocols [Param2] Param1 = Sensor1, Sensor2 Param2 = 1-5 1: 1-wire(wiring2,3,6) 2: I2C(wiring2,3,7,8) 3: Modbus-RTU-RS485(wiring1,2,4,5) 4: Door(wiring2,6) 5: Relay Switch(wiring1,2,6)	>SetSensor1Protocols 1 >SetSensor2Protocols 1
		<Sensor1 Protocols 1-wire(wiring2,3,6) <Sensor2 Protocols 1-wire(wiring2,3,6)
>SetSensor1/Sensor2Type	Set Sensor1/Sensor2 type >Set [Param1] Type [Param2] Param1 = Sensor1, Sensor2 Param2 = 1-7 1: Temperature 2: Humidity 3: Temperature And Humidity 4: Air Pressure 5: Other Data 6: Normally Open 7: Normally Close	>SetSensor1Type 1 >SetSensor2Type 1
		<Sensor1 Type Temperature <Sensor2 Type Temperature
>SetSensor1/Sensor2Address	Set Sensor1/Sensor2 data address >Set [Param1] Address [Param2] Param1 = Sensor1, Sensor2 Param2 = [00-FF] or [0000:FFFF]	>SetSensor1Address 0E >SetSensor2Address 0E
		<Sensor1 Data Address 0E <Sensor1 Data Address 0E
>SetSensor1/Sensor2MSAddress	Set the slave address of Sensor1/Sensor2 >Set [Param1] Msaddress [Param2] Param1 = Sensor1, Sensor2 Param2 = 00-FF	>SetSensor1MSAddress 02 >SetSensor2MSAddress 02
		<Sensor1 Slave Station Address 02 <Sensor2 Slave Station Address 02
>SetSensor1/Sensor2MFuncCode	Set Sensor1/Sensor2 function code >Set [Param1] MfuncCode [Param2] Param1 = Sensor1, Sensor2 Param2 = 03 or 04	>SetSensor1MFuncCode 03 >SetSensor2MFuncCode 03
		<Sensor1 Function Code 03 <Sensor2 Function Code 03

8 Ports Power Controller w/ Sensors

>SetSensor1/Sensor2ValueMax	Set the maximum value of Sensor1/Sensor2 >Set [Param1] ValueMax [Param2] Param1 = Sensor1, Sensor2 Param2 = [-9998, 9999]	>SetSensor1ValueMax 30 >SetSensor2ValueMax 30
		<Sensor1 Max Value 30 <Sensor2 Max Value 30
>SetSensor1/Sensor2Valuemin	Set the minimum value of Sensor1/Sensor2 >SetSensor1Valuemin [Param2] Param1 = Sensor1, Sensor2 Param2 = [-9999, 9998]	>SetSensor1Valuemin 20 >SetSensor2Valuemin 20
		<Sensor1 Min Value 20 <Sensor2 Min Value 20
>SetSensor1/Sensor2unit	Set Sensor1/Sensor2 units >Set [Param1] unit [Param2] Param1 = Sensor1, Sensor2 Param2 = 1-3 1: °C 2: %RH 3: hPa	>SetSensor1unit 1 >SetSensor2unit 1
		<Sensor1 Unit 1 <Sensor2 Unit 1
>SetSensor1/Sensor2Beeper	Set Sensor1/Sensor2 buzzer switch >Set [Param1] Beeper [Param2] Param1 = Sensor1, Sensor2 Param2 = On,Off	>SetSensor1Beeper On >SetSensor2Beeper On
		<Sensor1 Beeper On <Sensor2 Beeper On
>SetSensor1/Sensor2OutletMode	Set the channel to respond to the action of Sensor1/Sensor2 >Set [Param1] OutletMode [Param2]:[Param3] Param1 = Sensor1, Sensor2 Param2 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param3 = 1-4 1: NoAction 2: Power On 3: Power Off 4: Restart	>SetSensor1OutletMode 1:2 >SetSensor2OutletMode 1:2
		<Outlet 1 Response Sensor1 Mode Power On <Outlet 1 Response Sensor2 Mode Power On

8 Ports Power Controller w/ Sensors

>SetSensor1/Sensor2OutletTrigger	Set the trigger condition of the channel response sensor >Set [Param1] OutletTrigger [Param2]:[Param3] Param1 = Sensor1, Sensor2 Param2 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param3 = 1-6 1: No Trigger 2: Max Trigger 3: Min Trigger 4: Min-Max 5: On 6: Off	>SetSensor1OutletTrigger 1:2 >SetSensor2OutletTrigger 1:2
		<Outlet 1 Response Sensor1 Trigger Max <Outlet 1 Response Sensor2 Trigger Max
>SetSensor1/Sensor2OutletDelay	Set the delay time for the channel to respond to the action performed by Sensor1/Sensor2 >Set [Param1] OutletDelay [Param2]:[Param3] Param1 = Sensor1, Sensor2 Param2 = 1-8 1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8 Param3 = 0-9999	>SetSensor1OutletDelay 1:10
		<Outlet 1 Response Sensor1 Delay 10s

7.2.3 Restore the Device

Command	Function	Example & Feedback
>RsAllOutEle	Reset all channel power values	>RsAllOutEle
		<Clean Up Electrical Work: All Outlets
>RsOutEle	Reset single channel power value >RsOutEle [Param1] Param1 = 1-8	>RsOutEle 1

8 Ports Power Controller w/ Sensors

	1: Outlet1 2: Outlet2 3: Outlet3 4: Outlet4 5: Outlet5 6: Outlet6 7: Outlet7 8: Outlet8	<Clean Up Electrical Work: Outlet 1
>FactoryReset	Restore factory settings	>FactoryReset <FactoryReset
>Reboot	MCU restart	>Reboot <Reboot
>Resta	MCU Restart	>Resta <System Restart

8. Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. These terms and conditions may be changed without prior notice.

1) Warranty

The limited warranty period of the product is fixed three years.

2) Scope

These terms and conditions of Customer Service apply to the customer service provided for the products or any other items sold by authorized distributor only.

3) Warranty Exclusions:

Warranty expiration.

Factory applied serial number has been altered or removed from the product.

Damage, deterioration or malfunction caused by:

- ✧ Normal wear and tear.
- ✧ Use of supplies or parts not meeting our specifications.
- ✧ No certificate or invoice as the proof of warranty.
- ✧ The product model showed on the warranty card does not match with the model of the product for repairing or had been altered.
- ✧ Damage caused by force majeure.
- ✧ Servicing not authorized by distributor.
- ✧ Any other causes which do not relate to a product defect.

4) Documentation:

Customer Service will accept defective product(s) in the scope of warranty coverage at the sole condition that the defeat has been clearly defined, and upon reception of the documents or copy of invoice, indicating the date of purchase, the type of product, the serial number, and the name of distributor.

Note: For further assistance or solutions, please contact your local distributor.