

Wall-plate Control System - # 15384



Operation Manual

Introduction

The Wall-Plate Control System box is a fantastic and useful design for system installer and smart home user. With 15 direct macro command buttons and extra 15 macro commands in WebGUI control which allows up to 16 commands to be execute within one push and a total of 128 commands capacity inside this box that can bring out a set of scenes in a seconds. Soft and colorful LED design fitting all environment purpose and PoE (Power over Ethernet) function ease power supply issue without extra DC power burden. Further, relay outputs design and scheduling function control settings can trigger master switch or any main switch of the installation environment that brings the world of control to whole.

Applications

- Smart Home Installation
- Control Center
- Functional Room
- Show Room
- Ballroom

Features

- 30 macro buttons with up to 128 commands to implant for control system
- Supports Relays to control on/off of other devices
- Supports Scheduling control system and settings
- Supports Schedule memory over power black out up to 48 hrs
- Supports Key Pad, Telnet and WebGUI controls
- Supports PoE function or DC power supply selection
- Multiple uses for home, hotel room central control or conference room and etc.

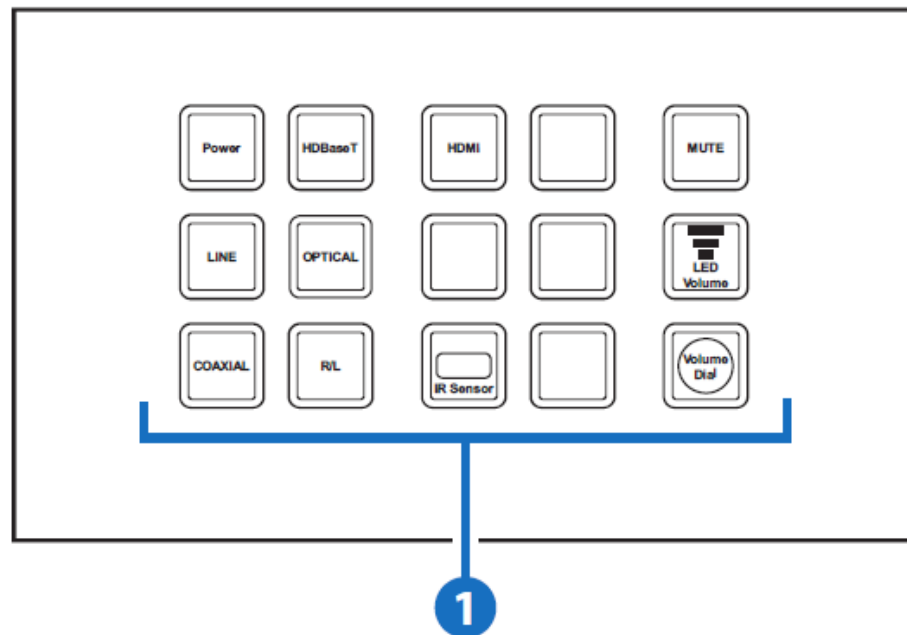
System

Requirements

Active internet connection from Hub or Router and output to DC controllable device.

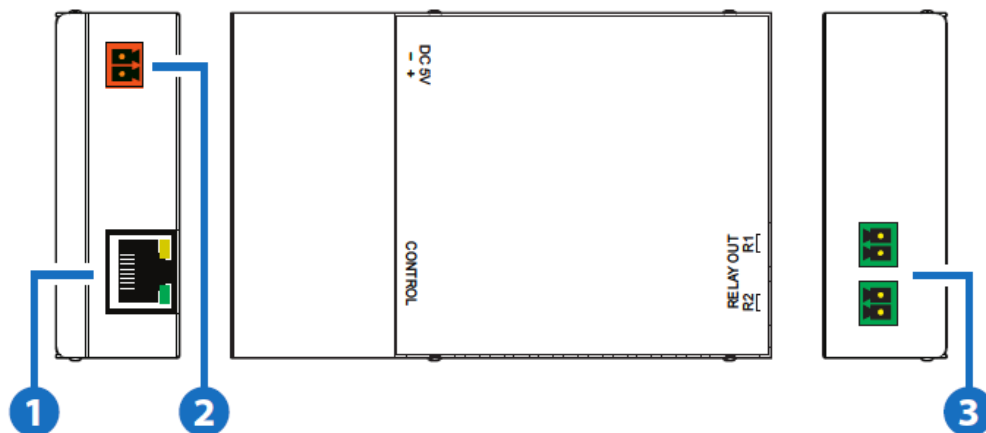
Operation Controls and Functions

Top Panel



1. Macro Buttons 1~15: Each buttons has 2 colors of LEDs adjustable from dim 0~100% and can be insert up to 16 commands. (Further detail settings please refers to section on WebGUI Control.)

Rear Panel



1. IP Control: Connect from PC/Laptop with active internet service or Telnet or WebGUI control with RJ-45 terminated cable. This slots supports PoE PD 48V function which means when the connected server/Hub support PSE 48v it can be powered without DC supply connection.

2. DC 5V: Plug the 5V DC power adaptor included in the package and connect to AC wall outlet for power supply.

3 RELAY OUT: Connect with device that supports DC 0~24V/8A power or signal that supports relay function.

Telnet Commands

COMMAND	DESCRIPTION	PARAMETER
IPCONFIG	<i>Display the current IP configure</i>	NONE
SIPADDR XXX.XXX.XXX.XXX	<i>Set ethernet IP address</i>	XXX=0~255
SNETMASK XXX.XXX.XXX.XXX	<i>Set Ethernet net mask</i>	XXX=0~255
SGATEWAY XXX.XXX.XXX.XXX	<i>Set Ethernet gateway</i>	XXX=0~255
VER	<i>Show unit firmware version</i>	NONE
FADEFAULT	<i>All configure set to factory default</i>	NONE
ETH_FADEFAULT	<i>All Ethernet configure set to factory*</i>	NONE
REBOOT	<i>System reboot</i>	NONE
HELP (?)	<i>Show command list</i>	NONE
HELP N	<i>Show descript of command</i>	N=COMMAND NAME
RELAY N N1	<i>Relay control</i>	N (PORT)=1or2 N1=OPEN/CLOSE/TOGGLE
LEDBLUE	<i>Led blue backlight control</i>	N (LEN NO.)=1~15 N1=% (0-100)
LEDRED	<i>Led red backlight control</i>	N (LEN NO.)=1~15 N1=% (0-100)
LEDBLUES	<i>All blue led backlight control</i>	N=% (0-100)
LEDREDS	<i>All red led backlight control</i>	N=% (0-100)
LEDSHOW	<i>Led dimming mode control</i>	LEDSHOW N N=ON/OFF/TOGGLE
BACKLIGHT	<i>All led backlight control</i>	N=% (0-100)
KEY_PRESS	<i>Key press trigger type</i>	KEY_PRESS N RELEASE (Default) N=PORT NUMBER KEY_PRESS N HOLD N=PORT NUMBER
MACRO	<i>Macro control</i>	MACRO RUN N N=MACRO ID (1~15) MACRO STOP

@MACRO_FA DEFAULT	ALL MACRO SET TO FACTORY DEFAULT**	NONE
----------------------	---------------------------------------	------

Note:

1. Any commands will not be executed unless followed by a carriage return. Commands are case-insensitive.
2. *Command reset IP address and login ID & password back to factory default only.
3. **Command reset macro 1~6 to factory default and clear out macro 7~30 only.

Software Application

Please download the software from **www.cypress.com.tw** with file name CDPS V2.000 and save it in a directory where you may use it later.

Note: The default setting of the IP address is *192.168.1.50* Connect the Control System with PC/Laptop through the Ethernet port through an active network system and open the CDPS V2.000 application. Click on Find Devices on Network and a list of the devices connected to the Control System will show up.

Find Devices on Network				
	Product Name	Description	IP Address	MAC Address
1	CDPW-K1	IP to Button Wall-Plate	192.168.1.50	F8:22:85:00:40:19

Then user may use the IP Address to find the control device through Telnet or WebGUI tools.

Product ID	2236
Product Name	CDPW-K1
MAC Address	F8:22:85:00:40:19
IP Address	<input type="text" value="192.168.1.50"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Gateway IP	<input type="text" value="192.168.1.254"/>
DNS	<input type="text" value="0.0.0.0"/>
IP Mode	<input type="text" value="Static"/>
Web GUI Port	<input type="text" value="80"/>
Telnet Port	<input type="text" value="23"/>
S / N	SN:2236
Firmware Version	v1.
Hardware Version	v1.00
Description	IP to Button Wall-Plate
Web GUI	Web GUI
<input type="button" value="Save"/> <input type="button" value="Reboot"/>	

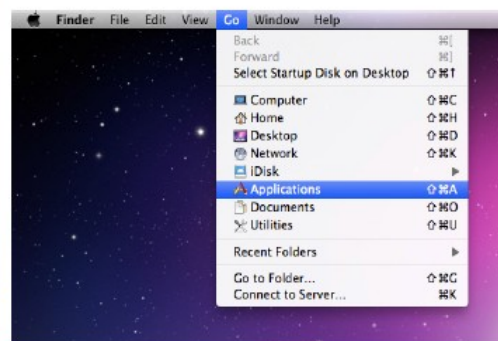
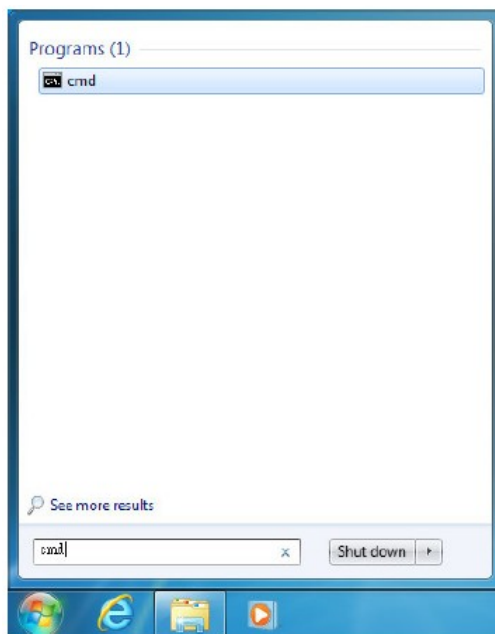
Telnet Control

Before attempting to use the Telnet control, please ensure that both the Matrix (via the 'LAN /CONTROL' port) and the PC/Laptop are connected to the same active networks.

To access the telnet control in Windows 7, click on 'Start' menu and type "cmd" in the Search field then press enter.

Under Windows XP go to the 'Start' menu and click on "Run", type "cmd" and press enter.

Under Mac OS X, go to Go→Application→Utilities→Terminal



Once in the command line interface (CLI) type "telnet", then the IP address of the unit and "23", then hit enter.

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Administrator>telnet 192.168.5.80 23
```

This will bring us into the unit which we wish to control. Type "help" to list the available commands.

```

Telnet 192.168.5.241
Welcome to TELNET.
>help
HELP      : SHOW DESCRIPT OF COMMAND
            USE <HELP N, N=COMMAND NAME> TO SHOW DESCRIPT OF COMMAND
?         : SHOW DESCRIPT OF COMMAND
            USE <? N, N=COMMAND NAME> TO SHOW DESCRIPT OF COMMAND
IPCONFIG  : DISPLAY THE CURRENT IPCONFIG
SIPADDR   : SET ETHERNET IP ADDRESS
SNETMASK  : SET ETHERNET NETMASK
SGATEWAY  : SET ETHERNET GATEWAY
SIPMODE   : SET ETHERNET IP MODE
UER       : SHOW UNIT FIRMWARE VERSION
PADEFAULT : ALL CONFIGURE SET TO FACTORY DEFAULT
ETH_PADEFAULT : ALL ETHERNET CONFIGURE SET TO FACTORY DEFAULT
REBOOT    : SYSTEM REBOOT
RELAY     : RELAY CONTROL
LEDBLUE   : LED BLUE BACKLIGHT CONTROL
LEDRED    : LED RED BACKLIGHT CONTROL
KEY_PRESS : KEY PRESS TRIGGER TYPE
MACRO     : MACRO SETTING
LEDBLUES  : ALL BLUE LED BACKLIGHT CONTROL
LEDREDS   : ALL RED LED BACKLIGHT CONTROL
BACKLIGHT : ALL LED BACKLIGHT CONTROL

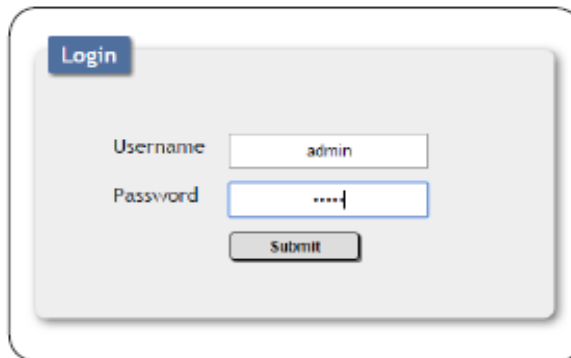
```

Note: Commands will be not executed unless followed by a carriage return. Commands are case-insensitive. If the IP is changed then the IP Address required for Telnet access will also change accordingly.

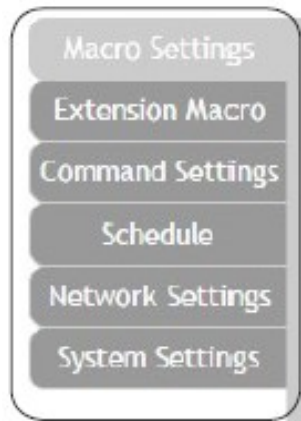
Web GUI Control

On a PC/Laptop that is connected to an active network system, open a web browser and type device's IP address on the web address entry bar. A security page will appear to ask for User and Password, please key in "Admin" for both and click Submit to enter.

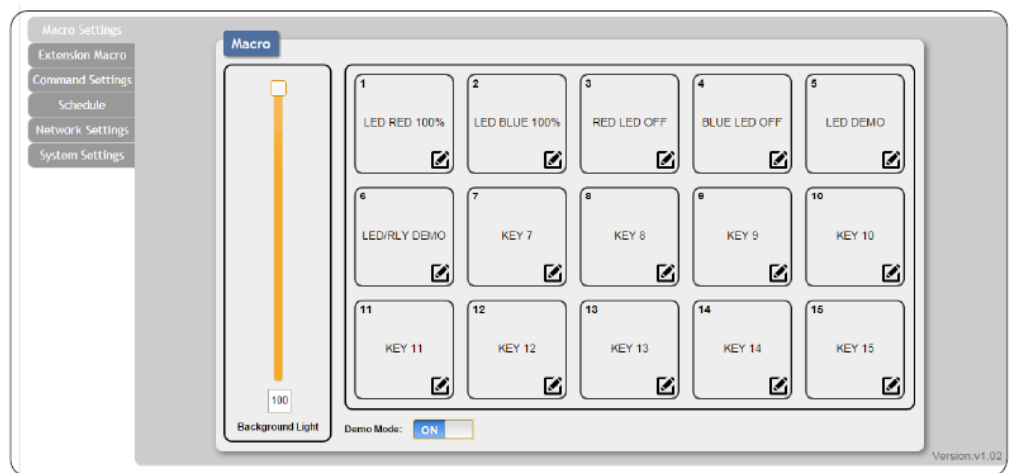
Note: The Default IP setting is on Static with address at 192.168.1.50

A screenshot of a web browser displaying a login page. The page has a light gray background with a rounded rectangle containing the login fields. At the top left of the rectangle is a blue button labeled "Login". Below it, there are two input fields: "Username" with the text "admin" and "Password" with masked characters "....". To the right of the password field is a "Submit" button.

The browser will display the device's Macro Settings, Extension Macro, Command Settings, Schedule, Network Settings and System Settings pages for users to control.





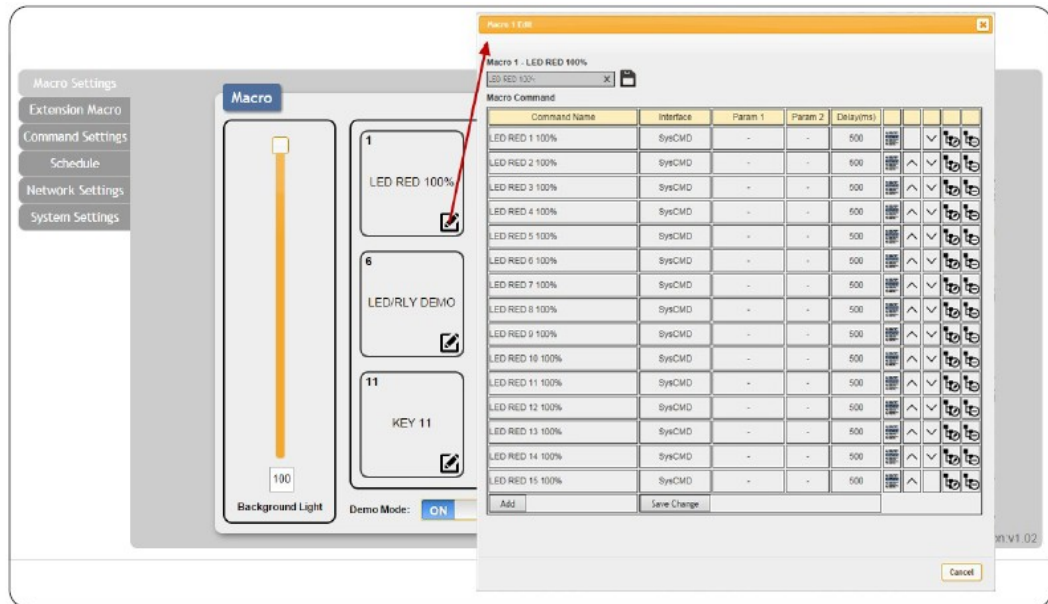
The Background Light bar allows user with instant change on the LEDs lighting percentage base on the original illuminate setting.



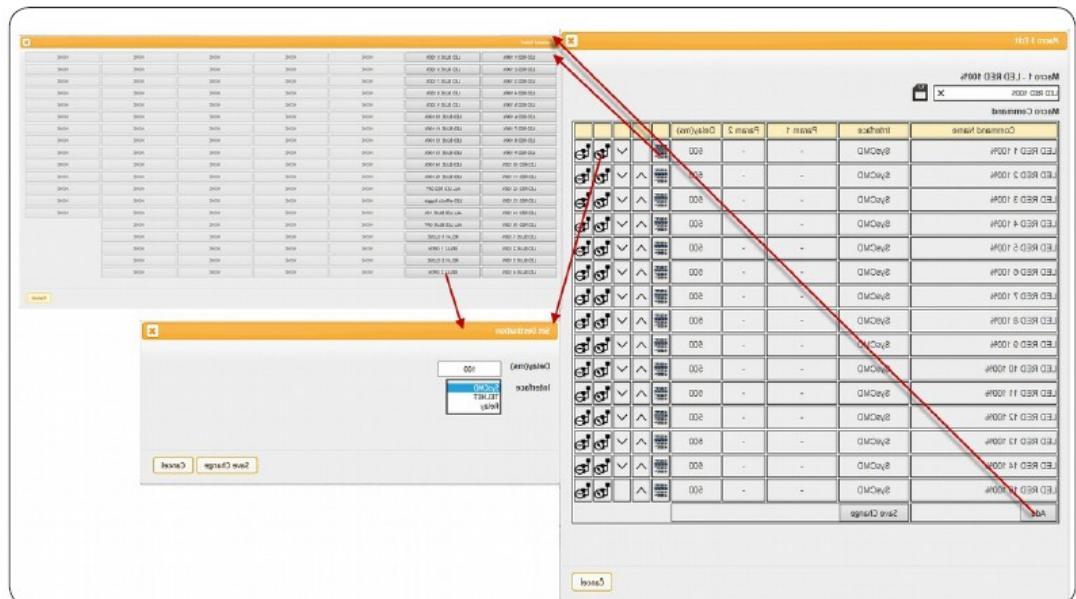
There are 6 Macro inserted as default setting for testing the Wall-Plate Control System's functionality. Click on Macro 1~6 to demonstrate the function of lighting LEDs.

- Macro 1: Light up the Red backlight LED with 100% brightness sequentially from 1~15 with every 500ms
- Macro 2: Light up the Blue backlight LED with 100% brightness sequentially from 1~15 with every 500ms
- Macro 3: Switch off all the red backlight LED with 0% brightness
- Macro 4: Switch off all the blue backlight LED with 0% brightness
- Macro 5: LED show mode toggle, switch off Demo Mode
- Macro 6: Light up the Blue backlight LED with 10% brightness, Switch off all the blue backlight LED with 0% brightness, switch Off & On Relay 1 and switch Off & On Relay 2 with delay of 1000ms

To disable default testing mode, click on Demo Mode/Macro 5 to switch it off. Click on the  mark to edit the command settings. Up/down ^/v arrows are to move the command up or down and  button is to delete the command.



Click on Insert button/Add to insert commands. Command can be set to control the Wall-Plate Control Box/SysCMD, other devices connected within the same Telnet system/Internet area and Relay devices connected through the Relay outputs of Wall-plate Control Box with delay time. It is suggested the delay time is >100ms once the setting is confirmed, double click on Save Change.



Command set to control the devices within the same telnet system or internet area require to set its IP and Port number and it is strongly recommend to set the delay time >500ms in order to secure a successful command sending. Once the setting is done click on Save Changes.

Sot Destination

Delay(ms)

Interface

Telnet IP

Port

Click on 'Extension Macro' to execute/edit more Macro action up to 15 more.

Extension Macro

KEY 16 KEY 17 KEY 18 KEY 19 KEY 20

KEY 21 KEY 22 KEY 23 KEY 24 KEY 25

KEY 26 KEY 27 KEY 28 KEY 29 KEY 30

Version v1.02

Click on 'Command Settings' to insert new commands or delete commands. Command under 128 characters including space can be build up to 128 commands, command over 128 characters and under 512 characters including space can be build up to 32 command in addition with 96 commands of 128 characters under. Click on Save Change to save the command inserted.

Command

Command Name	Command	Edit	Delete
LED RED 1 100%	LEDRED 1 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 2 100%	LEDRED 2 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 3 100%	LEDRED 3 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 4 100%	LEDRED 4 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 5 100%	LEDRED 5 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 6 100%	LEDRED 6 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 7 100%	LEDRED 7 100x0d0a	<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 8 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 9 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 10 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 11 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 12 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 13 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 14 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED RED 15 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>
LED BLUE 1 100%		<input type="button" value="Edit"/>	<input type="button" value="Remove"/>

Command 1 Edit

Command Label

Command Data

Version v1.02

Click on 'Schedule' to set the executing time schedule of the Macro(s).
Note: The scheduling system support up to 48hrs of memory under power black out after that the system will reset the time automatically back to 2015/01/01 00:00:00.

Macro Settings
Extension Macro
Command Settings
Schedule
Network Settings
System Settings

Schedule

Repeat

Active	Weekly	Hour	Minute	Second	Macro	Edit	Delete
		00	00	00		Edit	Remove
		00	00	00		Edit	Remove
		00	00	00		Edit	Remove
		00	00	00		Edit	Remove
		00	00	00		Edit	Remove

Once

Active	Month	Date	Hour	Minute	Second	Macro	Edit	Delete
	00	00	00	00	00		Edit	Remove
	00	00	00	00	00		Edit	Remove
	00	00	00	00	00		Edit	Remove
	00	00	00	00	00		Edit	Remove
	00	00	00	00	00		Edit	Remove
	00	00	00	00	00		Edit	Remove

Version v1.01

Click on Edit from Repeat column to set the macro command(s) to be activated repeatedly on a set time.

Schedule - Repeat 1 Edit

Active
ACTIVE

Weekly
☐ Mon ☐ Tue ☐ Wed ☐ Thu ☐ Fri ☐ Sat ☐ Sun

Time
00:00:00

Macro/Extension Macro
NONE

Choose Time
Time 00:00:00
Hour - +
Minute - +
Second - +
Now Done Cancel

Macro/Extension Macro Select

Macro

Macro 1 - LED RED 100%	Macro 2 - LED BLUE 100%	Macro 3 - RED LED OFF
Macro 4 - BLUE LED OFF	Macro 5 - LED/RLY DEMO	Macro 6 - KEY 6
Macro 7 - KEY 7	Macro 8 - KEY 8	Macro 9 - KEY 9
Macro 10 - KEY 10	Macro 11 - KEY 11	Macro 12 - KEY 12
Macro 13 - KEY 13	Macro 14 - KEY 14	Macro 15 - KEY 15

Extension Macro

Extension Macro 16 - KEY 16	Extension Macro 17 - KEY 17	Extension Macro 18 - KEY 18
Extension Macro 19 - KEY 19	Extension Macro 20 - KEY 20	Extension Macro 21 - KEY 21
Extension Macro 22 - KEY 22	Extension Macro 23 - KEY 23	Extension Macro 24 - KEY 24
Extension Macro 25 - KEY 25	Extension Macro 26 - KEY 26	Extension Macro 27 - KEY 27
Extension Macro 28 - KEY 28	Extension Macro 29 - KEY 29	Extension Macro 30 - KEY 30

Cancel

Click on Edit from Once column to set the macro command(s) to be activated on a set time only.

Schedule - Once 1 Edit

Active
ACTIVE

Date & Time
00-00 00:00:00

Macro/Extension Macro
NONE

Macro/Extension Macro Select

Macro

Macro 1 - LED RED 100%	Macro 2 - LED BLUE 100%	Macro 3 - RED LED OFF
Macro 4 - BLUE LED OFF	Macro 5 - LED/RLY DEMO	Macro 6 - KEY 6
Macro 7 - KEY 7	Macro 8 - KEY 8	Macro 9 - KEY 9
Macro 10 - KEY 10	Macro 11 - KEY 11	Macro 12 - KEY 12
Macro 13 - KEY 13	Macro 14 - KEY 14	Macro 15 - KEY 15

Extension Macro

Extension Macro 16 - KEY 16	Extension Macro 17 - KEY 17	Extension Macro 18 - KEY 18
Extension Macro 19 - KEY 19	Extension Macro 20 - KEY 20	Extension Macro 21 - KEY 21
Extension Macro 22 - KEY 22	Extension Macro 23 - KEY 23	Extension Macro 24 - KEY 24
Extension Macro 25 - KEY 25	Extension Macro 26 - KEY 26	Extension Macro 27 - KEY 27
Extension Macro 28 - KEY 28	Extension Macro 29 - KEY 29	Extension Macro 30 - KEY 30

Cancel

Click on 'Network Settings' to reset the IP, Netmask or Gateway address.

Network Settings

IP Mode: STATIC IP

IP: 192.168.1.50

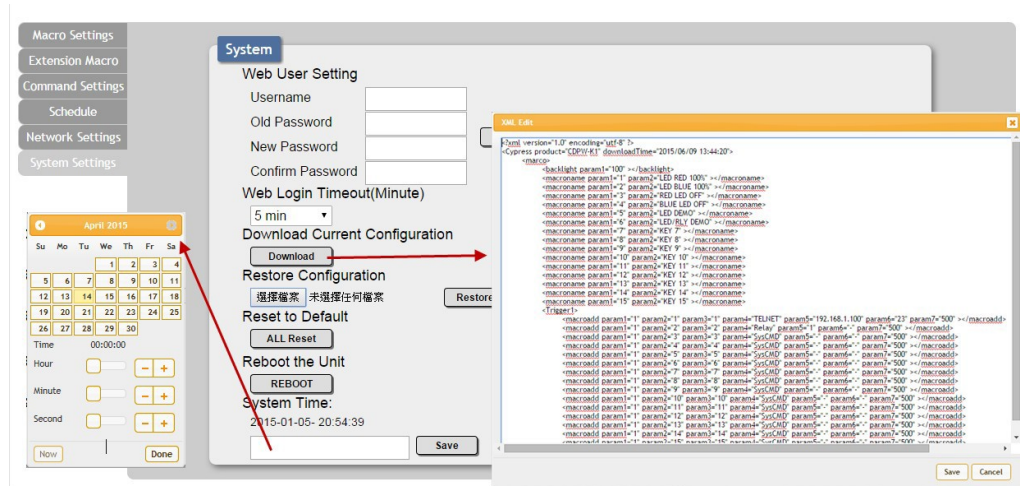
Netmask: 255.255.255.0

Gateway: 192.168.1.254

Save NoWork Reset

Version v1.02

Click on 'System Settings' to reset the WebGUI login password and timeout setting and save or download the Macro settings. Reset to Default allows IP and login ID & password to be reset back to factory default. System time setting is also done on this page. Simply click on the white column and a calendar will appear for your selection.



Specifications

Input Ports

Output Ports

Power Supply

ESD Protection

Dimensions

Weight

Chassis Material

Color

Operating Temperature

Storage Temperature

Relative Humidity

Power Consumption

15×Buttons, 1×IP Control (Terminal Block)

2×Relay (Terminal Block)

5 V/2.6 A DC (US/EU standards, CE/FCC/UL certified)

Human body model:

±8 kV (air-gap discharge)

±6 kV (contact discharge)

146 mm (W)×40 mm (D)×86 mm (H)

226 g

Metal

White

0°C~40°C/32°F~104°F

-20°C~60°C/-4°F~140°F

20~90% RH (non-condensing)

3.7 W

Connection Diagram

