



# J-TECH DIGITAL<sup>®</sup>

## USER MANUAL



6 BUTTON IP CONTROL PANEL WALL-PLATE

JTD ID: 2984 | MODEL: JTECH-P6



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## 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 overheat.
- 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.

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# 1. Introduction

## 1.1 Introduction to JTECH-P6

The Wallplate Control Panel has (2) built-in programmable RS232 connectors and (2) Infrared (IR) connectors.

The Programmable Control Panel can fully control the compatible switches, as well as third-party devices such as matrix switcher, compact scaler switcher, projectors, screens, etc. Use the device for presentations in showrooms, classrooms, and boardrooms.

## 1.2 Features

- Six customizable control buttons
- One volume control knob
- Support IR, RS232 and TCP/IP control
- Can be controlled and configured via GUI
- Can be powered by PoE

## 1.3 Package List

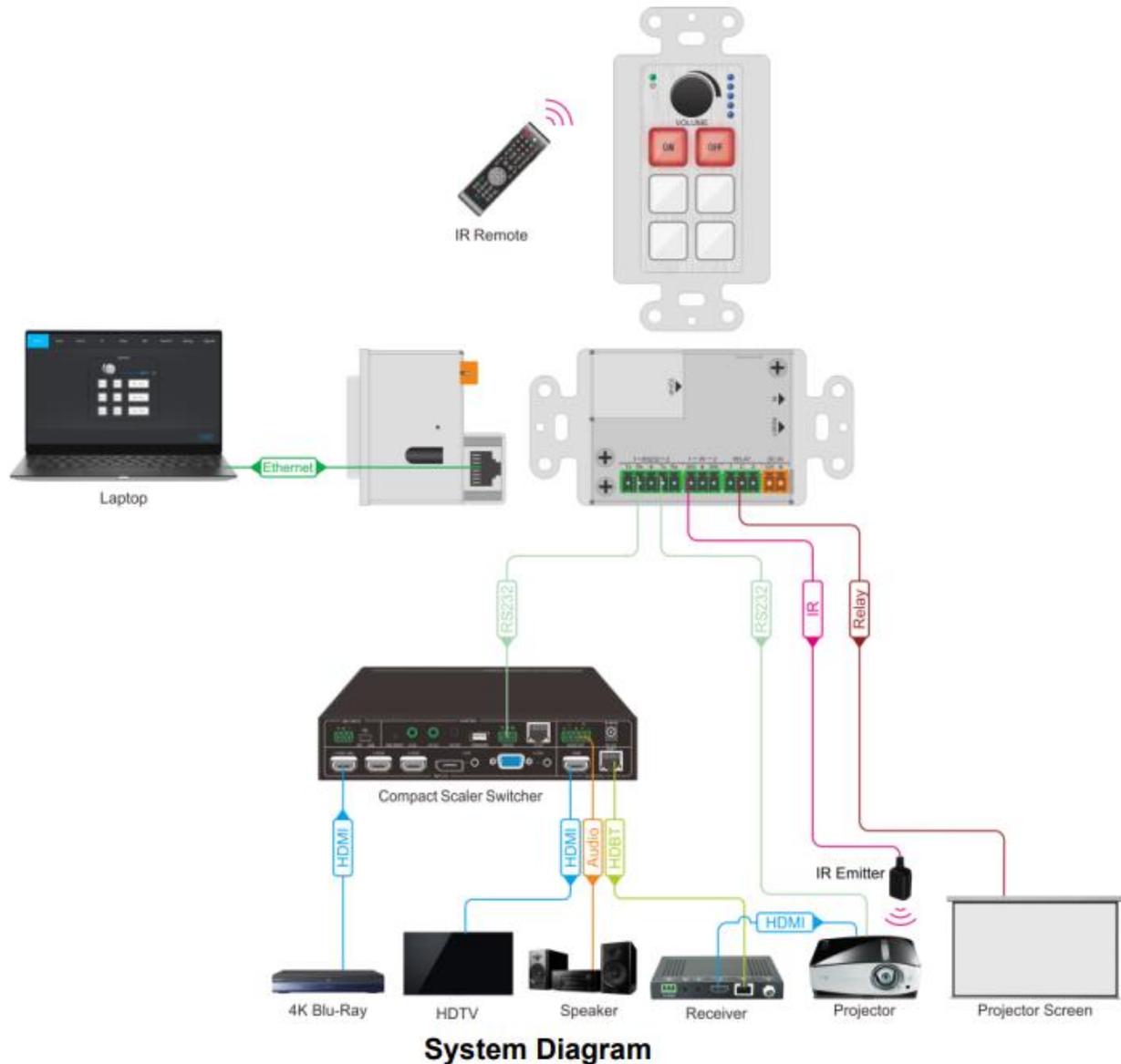
- 1 x JTECH-P6 Control Panel Wall Plate
- 6 x Button caps
- 2 x 3-Pin Pluggable terminal block
- 1 x 2-Pin Pluggable terminal blocks
- 1 x 5-Pin Pluggable terminal block
- 1 x Button label
- 1 x User Manual



4	Volume indicator	5x blue indicator lights, light up in percentage according to the volume knob (1-19%, 20-39%, 40-59%, 60-79%, 80-100%)
5	TCP/IP	RJ45 connector. Connects with PC to run the GUI to customize button control.
6	RESET	Long-press this button 3 seconds until the power LED goes out to start to the restore factory defaults, and then the LED will light up while the resetting is successful.
7	IR Sensor	Receives and learns the IR code to build the IR database.
8	PWR(12V)	Connects with 12V DC power adaptor.
9	RELAY	Two groups of Relay Control, share a common switch interface, default ON
10	IR	Two sets of IR OUT, share a ground port, 5V standard, connect to the infrared emitting rod
11	RS232	2 RS232 ports. Connect the third-party devices which are need to be controlled via the WP6P.

### 3. System Connection

The JTECH-P6 can active different ports at one time. It means every button can send the RS232 commands, IR code at the same time. The demo system diagram as below:



**System Diagram**

1. Connect the JTECH-P6 to the LAN port of Wireless Route, or control device (such as PC) to TCP/IP port.
2. Connect the third-party devices (such as Matrix Switcher, Compact Scaler Switch or Projector) that need to be controlled to RS232 (1) ~RS232 (3) ports.
3. Connect the IR Emitters to IR (1) ~ IR (2) ports.
4. Connect to the third-party devices that need to be controlled by relay.

## 4. GUI Control

### 4.1 Log In

The JTECH-P6 is controlled by TCP/IP. The default settings are:

IP Address: 192.168.0.178

Subnet Mask: 255.255.255.0

Type 192.168.0.178 in the internet browser, it will enter the below log-in webpage:



User Name  
Please Enter

Password  
Please Enter

Login

GUI: V1.0.0  
Firmware: V1.0.0

**Username: admin**

**Password: admin**

Type the username and password, and then click the login to enter the GUI setting.

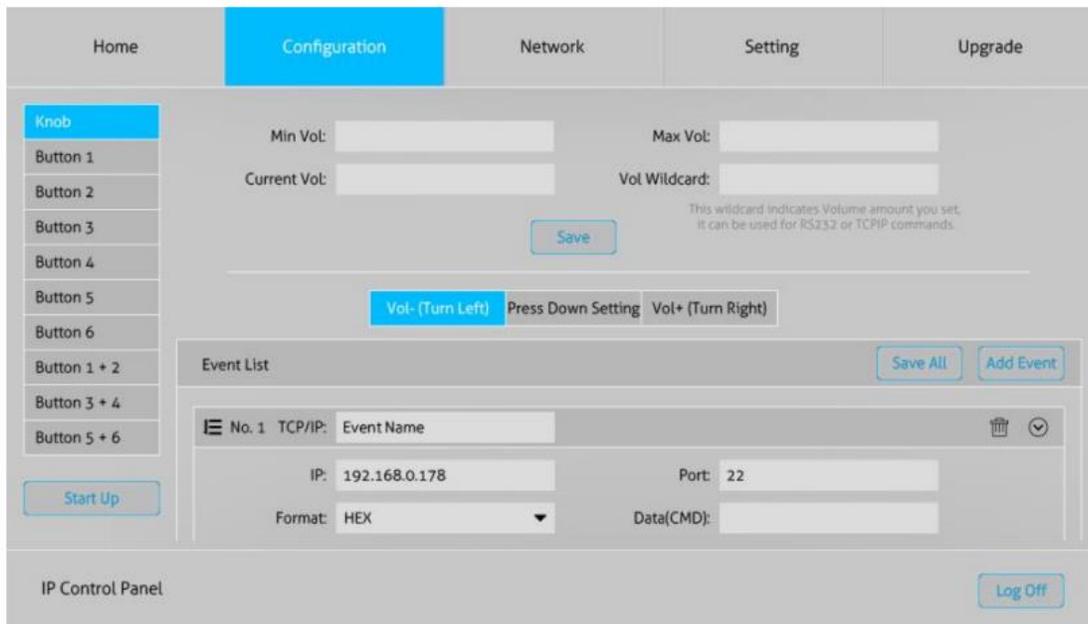
## 4.2 Home



- Click the volume icon to adjust the volume; or click the knob icon to implement the corresponding event;
- Mouse operation click the corresponding button

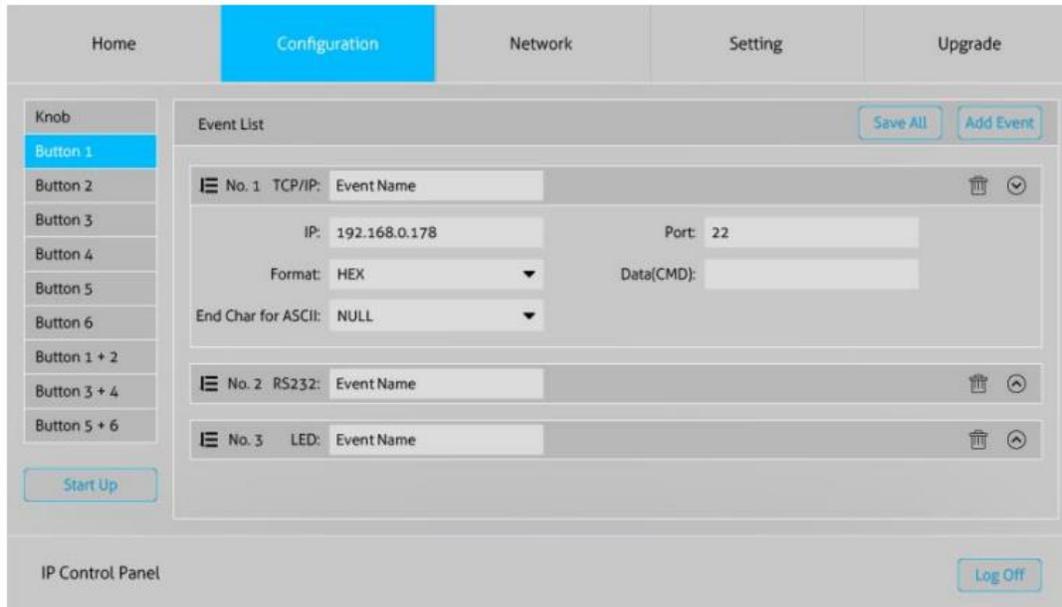
## 4.3 Configuration

### 4.3.1 Knob



- Knob/Button: Choose the knob or button to enter the event setting page
- Start up: Click to enter the starts up event setting page
- Set the Knob events: Turn Left, Press Down Setting or Turn Right

### 4.3.2 Button



- Click the Button 1 to set the button 1 event, click Add Event and then set the Event and the corresponding settings
- One button can set multiple command events, such as TCP/IP, RS232, IR, RELAY, Delay and LED status

### 4.3.3 TCP/IP

The screenshot shows the 'IP Control Panel' interface with the 'Configuration' tab selected. On the left, there is a 'Knob' menu with options: Button 1 (selected), Button 2, Button 3, Button 4, Button 5, Button 6, Button 1 + 2, Button 3 + 4, and Button 5 + 6. Below the menu is a 'Start Up' button. The main area is titled 'Add Event' and contains the following fields:

- Event: TCP/IP (dropdown)
- Event Name: Event Name (text input)
- IP: 192.168.0.178 (text input)
- Port: 22 (text input)
- Format: ASCII (dropdown)
- End Char for ASCII: NULL (dropdown)
- Data(CMD): (text input)

At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page includes 'IP Control Panel' and a 'Log Off' button.

- Set the TCP/IP event, such as IP, Port, Format, End Char for ASCII and Data

### 4.3.4 RS232

The screenshot shows the 'IP Control Panel' interface with the 'Configuration' tab selected. On the left, there is a 'Knob' menu with options: Button 1 (selected), Button 2, Button 3, Button 4, Button 5, Button 6, Button 1 + 2, Button 3 + 4, and Button 5 + 6. Below the menu is a 'Start Up' button. The main area is titled 'Add Event' and contains the following fields:

- Event: RS232 (dropdown)
- Event Name: Event Name (text input)
- RS232 Port: RS232 1 (dropdown)
- Baud Rate: 9600 (dropdown)
- Data Bit: 8 (dropdown)
- Stop Bit: 1 (dropdown)
- Parity: NONE (dropdown)
- Format: ASCII (dropdown)
- End Char for ASCII: NULL (dropdown)
- Data(CMD): (text input)

At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page includes 'IP Control Panel' and a 'Log Off' button.

- Set the RS232 event, and then click save button to finish setting.

### 4.3.5 IR

The screenshot shows the 'Configuration' tab in the IP Control Panel. On the left, a 'Knob' menu lists various button combinations from 'Button 1' to 'Button 5 + 6'. The main area is titled 'Add Event' and contains the following fields and controls:

- Event:** A dropdown menu set to 'IR' with an 'IR Learning' button next to it.
- Event Name:** A text input field containing 'Event Name'.
- Port:** A dropdown menu set to 'IR Out 1'.
- Code or Custom:** A dropdown menu set to 'IR Code'.
- IR Code:** A large text input area for entering the IR code.
- Table:** A table with columns 'Sel', 'Label', 'Value', and 'Del' for managing IR commands. Below the table are 'Import' and 'Export' buttons.
- Buttons:** 'Start Up', 'Save', and 'Cancel' buttons are located at the bottom of the form.

The footer of the page includes 'IP Control Panel' on the left and a 'Log Off' button on the right.

- In IR event, user can import or export the IR command
- Set the Event Name, Port, Code or Custom and IR Code for the event
- Click Save button to finish setting

### 4.3.6 Relay

The screenshot shows the 'Configuration' tab in the IP Control Panel. On the left, a 'Knob' menu lists various button combinations from 'Button 1' to 'Button 5 + 6'. The main area is titled 'Add Event' and contains the following fields and controls:

- Event:** A dropdown menu set to 'Relay'.
- Event Name:** A text input field containing 'Event Name'.
- Port:** A dropdown menu set to 'Relay 1'.
- Action Mode:** A dropdown menu set to 'ON'.
- Buttons:** 'Start Up', 'Save', and 'Cancel' buttons are located at the bottom of the form.

The footer of the page includes 'IP Control Panel' on the left and a 'Log Off' button on the right.

- Set the Event Name, Port and the Action Mode
- Click Save button to finish setting

### 4.3.7 LED

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 6', with 'Button 1' selected. The main area is titled 'Add Event' and contains the following fields:

- Event:** A dropdown menu set to 'LED'.
- Event Name:** A text input field containing 'Event Name'.
- Button Select:** A dropdown menu set to 'Button 1'.
- Status:** A dropdown menu set to 'Always OFF'.

At the bottom of the form are three buttons: 'Start Up', 'Save', and 'Cancel'. The footer of the page includes 'IP Control Panel' and a 'Log Off' button.

- Set the Event Name, Button Select, Status and LED Color
- Click the Save button to finish setting

### 4.3.8 Delay

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 6', with 'Button 1' selected. The main area is titled 'Add Event' and contains the following fields:

- Event:** A dropdown menu set to 'Delay'.
- Event Name:** A text input field containing 'Event Name'.
- Hour:** A numeric input field set to '0' with a range of '(0-23)'.
- Minute:** A numeric input field set to '0' with a range of '(0-59)'.
- Second:** A numeric input field set to '0' with a range of '(0-59)'.
- Millisecond:** A numeric input field set to '0' with a range of '(0-999)'.

At the bottom of the form are three buttons: 'Start Up', 'Save', and 'Cancel'. The footer of the page includes 'IP Control Panel' and a 'Log Off' button.

- Set the delay event to trigger the event after how long to press
- Click Save button to finish setting

## 4.4 Network

Home Configuration **Network** Setting Upgrade

MAC Address: 44-33-4C-C9-35-12

DHCP  Static IP

IP Address:

Subnet Mask:

Gateway:

IP Control Panel

- Select dynamic or static IP mode. Under static mode, then IP Address, Subnet Mask and Gateway can be reset.

## 4.5 Setting

Home Configuration Network **Setting** Upgrade

Credentials

User Name:

New Password:

Update Profile

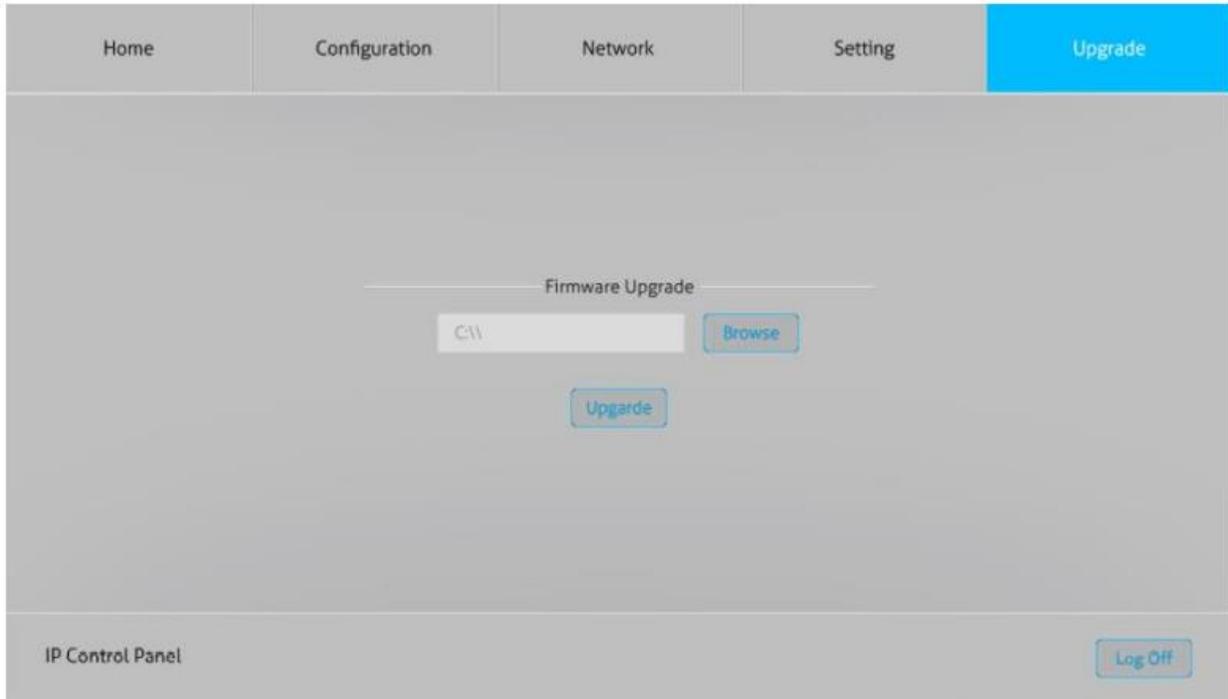
Setting:

Factory Default

IP Control Panel

- Credentials: setting the username and new password and then click confirm button to perform the modification.
- Update Profile: Import or export the setting file to implement the system configuration.
- Factory Default: Click Factory reset

## 4.6 Upgrade



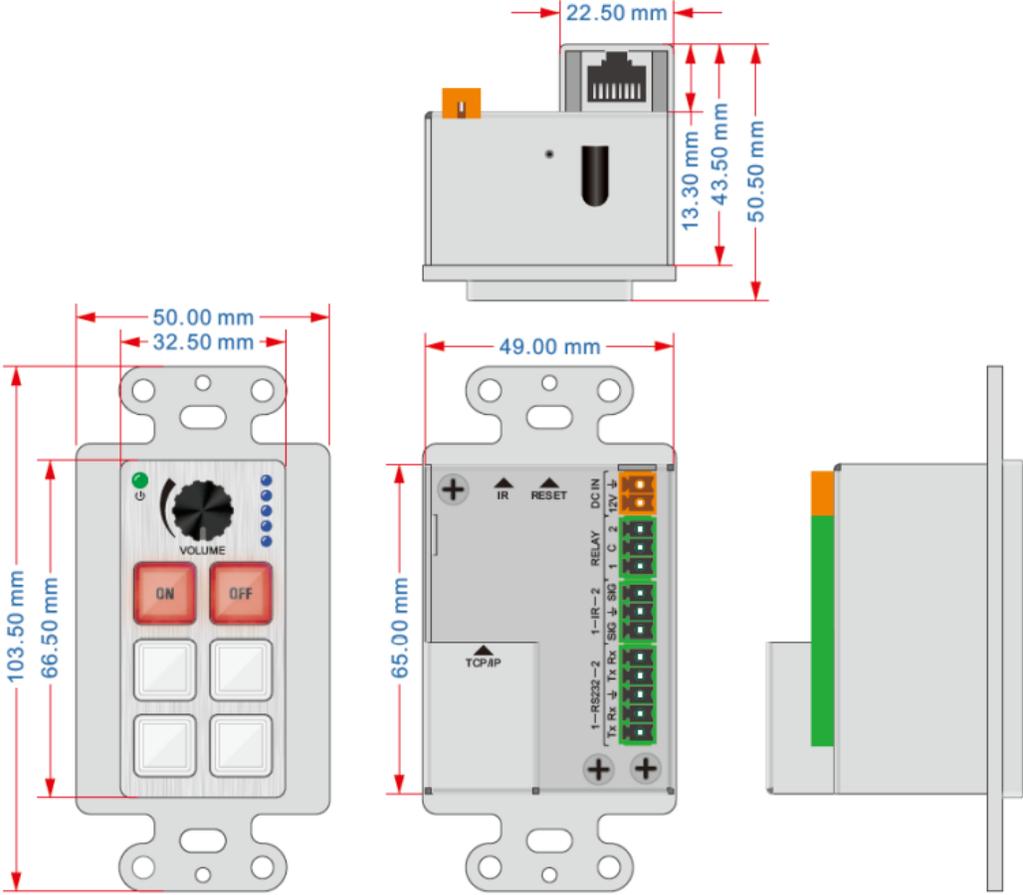
- Firmware Upgrade: click the browse to choose the upgrade file (the file needs to be renamed as “WP6P.app”) and then click upgrade to execute upgrade.

## 5. Specifications

Program Port	TCP/IP
Output Port	2 x RS232, 2 x IR, 2 x Relay
Output Connector	2 x 3-pin pluggable terminal blocks 2 x 2-pin pluggable terminal blocks

Baud Rate	9600 baud, supports 9600, 19200, 38400, 57600, 115200
Power Consumption	2.5W (Max)
Operation Temperature	0 ~ +40°C
Storage Temperature	-10 ~ +55°C
Relative Humidity	10% ~ 90%
Power Supply	Input: 12V DC, PoE
Net Weight	155g
Case Dimensions (W x H x D)	50mm x 103.5mm x 50.5mm

### 6. Panel Drawing



## 7. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzene to clean.

## 8. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (18) Months”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

## 9. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

## 10. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER “LIMITED WARRANTY COVERAGE”. THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE

USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive, but are for illustration only.) PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY.



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