



STOLTZEN TP1 Poseidon Touch Processor Instruction Manual

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Product Using Instruction

Preface

Read this user manual carefully before using the product. Pictures are shown in this manual 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 January, 2023. 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 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.

Introduction

Introduction to TP1

The Processor 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 control in showrooms, classrooms, and boardrooms.

Features

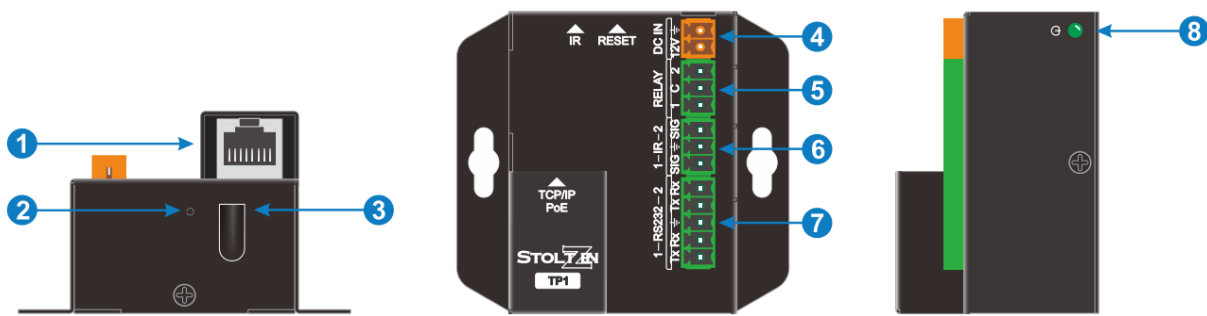
- Support Relay, IR, RS232 and TCP/IP control
- Can be controlled and configured via GUI
- Can be powered by PoE.

Package List

- 1 x TP1
- 2 x 3-Pin Pluggable terminal block
- 1 x User Manual
- 1 x User Manual
- 1 x 2-Pin Pluggable terminal blocks
- 1 x 5-Pin Pluggable terminal block

Note : Please confirm if the product and the accessories are all included, if not, please contact with the dealers.

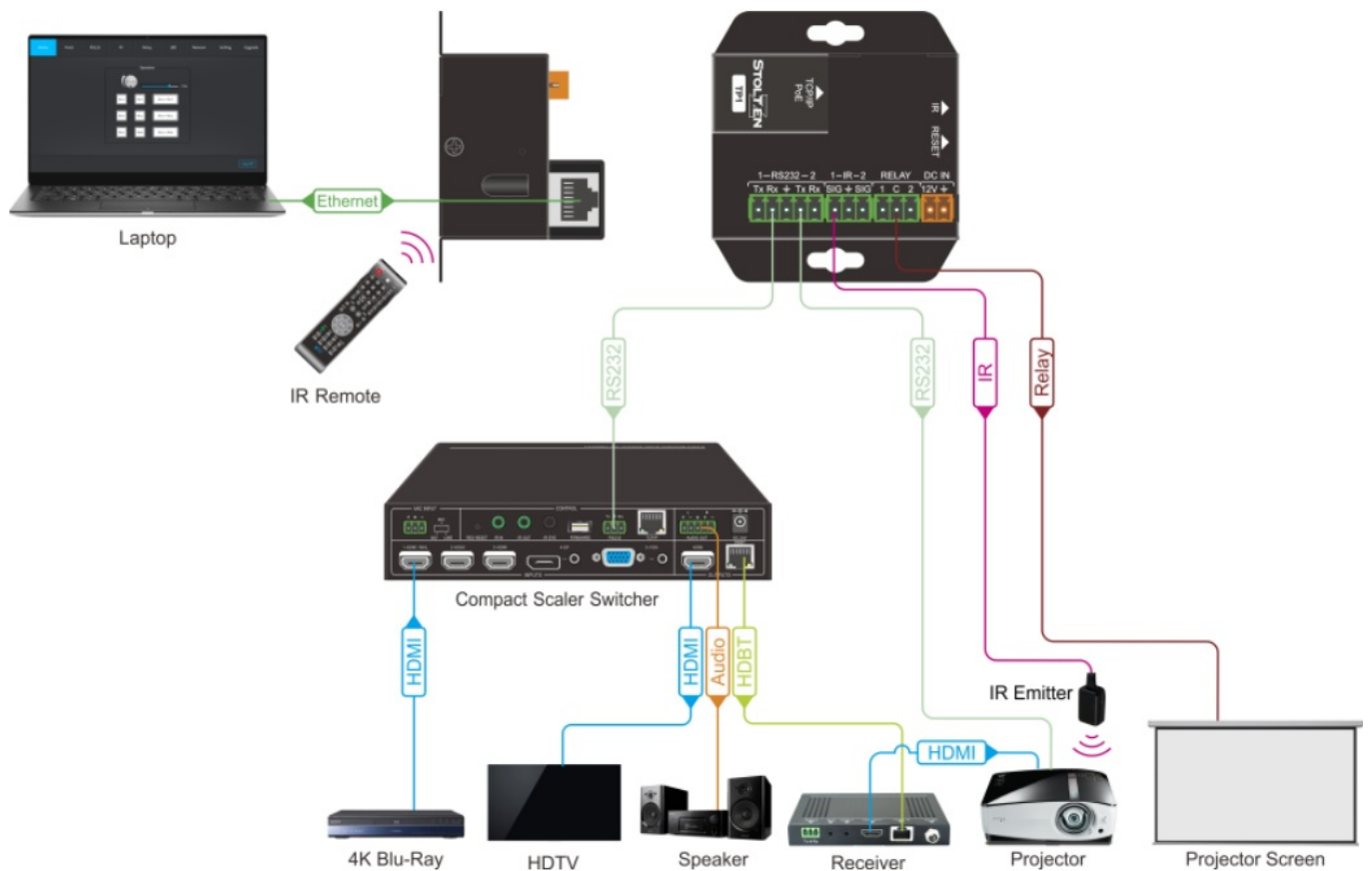
Panel Description



No.	Name	Description
1	TCP/IP	RJ45 connector. Connects with PC to run the GUI to control the TP1.
2	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.
3	IR Sensor	Receives and learns the IR code to build the IR database.
4	PWR(12V)	Connects with 12V DC power adaptor.
5	RELAY	Two groups of Relay Control, share a common switch interface, default ON
6	IR	Two sets of IR OUT, share a ground port, 5V standard, connect to the infrared emitting rod
7	RS232	2 RS232 ports. Connect the third-party devices which need to be controlled via the TP1.
8	Power LED	Illuminates green when unit is powered on.

System Connection

The TP1 can activate different ports at one click. It means that every button can send the RS232 commands, IR code at the same time. The demo system diagram as below:



GUI Control

1. Log in

The TP1 is controlled by TCP/IP. The default settings are:

IP Address: 192.168.0.178

Subnet Mask: 255.255.250.0

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

User Name

Password

GUI: V1.0.0
 Firmware: V1.0.0

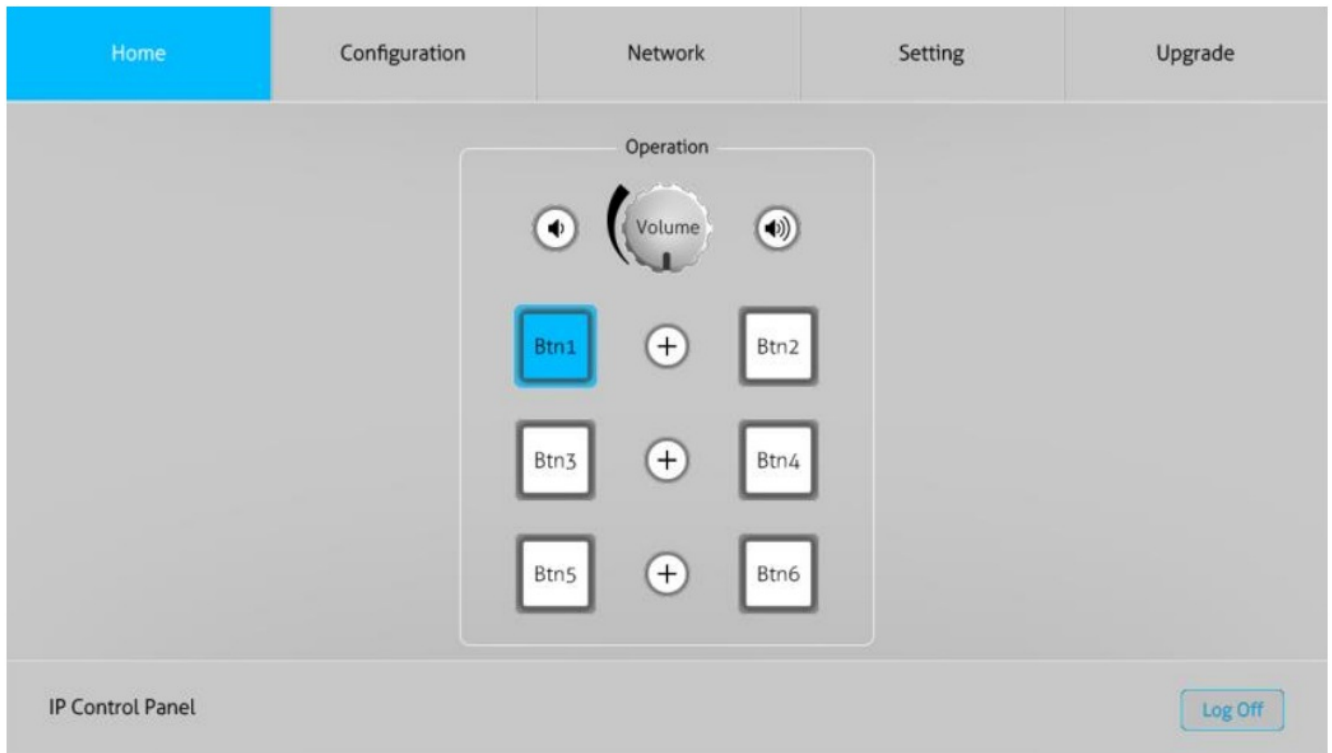
IP Control Panel

Username : admin

Password : admin

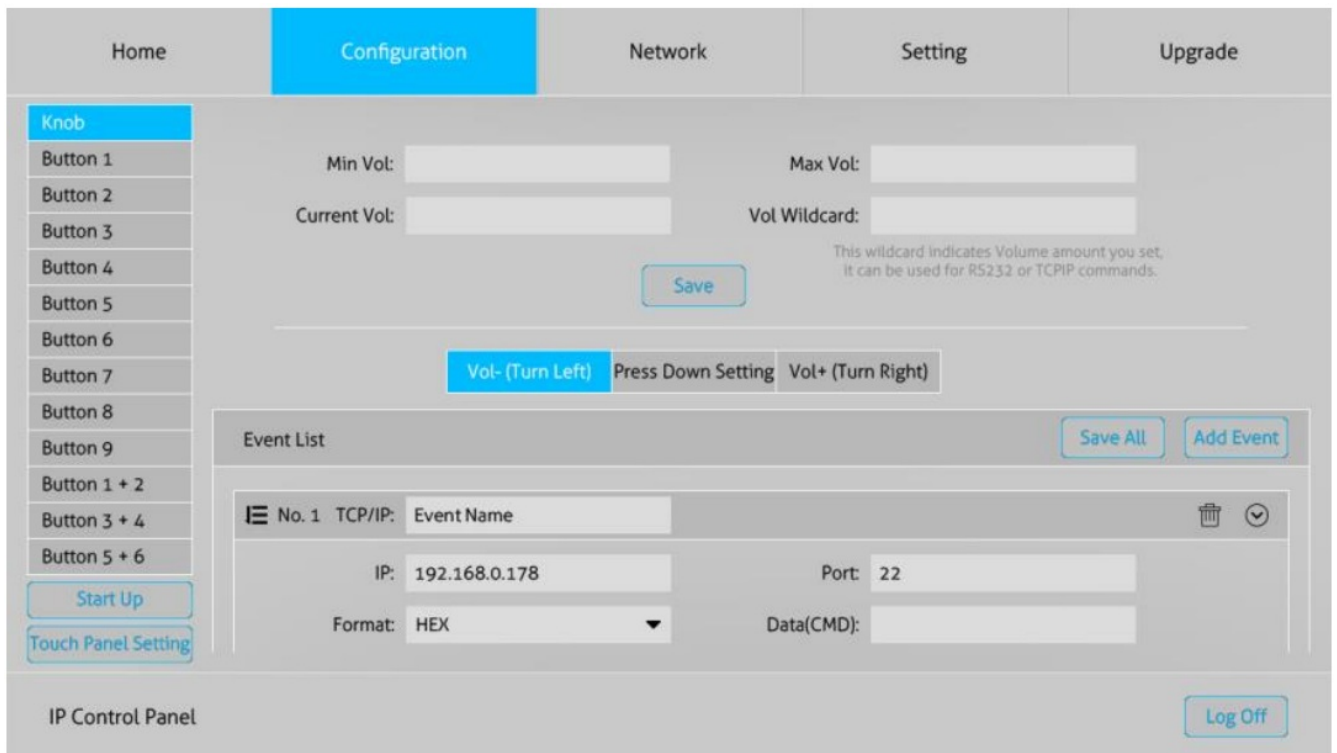
Type the username and password, and then click the login to enter the GUI setting.

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

3. Configuration



1. Knob

Home Configuration Network Setting Upgrade

Knob
Button 1
Button 2
Button 3
Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button 1 + 2
Button 3 + 4
Button 5 + 6

Start Up
Touch Panel Setting

Event List

Save All Add Event

No. 1 TCP/IP: Event Name

IP: 192.168.0.178 Port: 22

Format: HEX Data(CMD):

End Char for ASCII: NULL

No. 2 RS232: Event Name

No. 3 LED: Event Name

IP Control Panel Log Off

- **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

2. Button

Home Configuration Network Setting Upgrade

Knob
Button 1
Button 2
Button 3
Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button 1 + 2
Button 3 + 4
Button 5 + 6

Start Up
Touch Panel Setting

Add Event

Event: TCP/IP

Event Name: Event Name

IP: 192.168.0.178 Port: 22

Format: ASCII End Char for ASCII: NULL

Data(CMD):

Save Cancel

IP Control Panel Log Off

- 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

3. TCP/IP

Home Configuration Network Setting Upgrade

Knob
Button 1
 Button 2
 Button 3
 Button 4
 Button 5
 Button 6
 Button 7
 Button 8
 Button 9
 Button 1 + 2
 Button 3 + 4
 Button 5 + 6

Start Up
 Touch Panel Setting

Add Event

Event: RS232

Event Name: Event Name

RS232 Port: RS232 1 Baud Rate: 9600

Data Bit: 8 Stop Bit: 1

Parity: NONE Format: ASCII

End Char for ASCII: NULL Data(CMD):

Save Cancel

IP Control Panel Log Off

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

4. IR

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

Home Configuration Network Setting Upgrade

Knob
Button 1
 Button 2
 Button 3
 Button 4
 Button 5
 Button 6
 Button 7
 Button 8
 Button 9
 Button 1 + 2
 Button 3 + 4
 Button 5 + 6

Start Up
 Touch Panel Setting

Add Event

Event: IR IR Learning

Event Name: Event Name

Port: IR Out 1

Code or Custom: IR Code

IR Code:

Sel	Label	Value	Del
<div>Import Export</div>			

Save Cancel

IP Control Panel Log Off

- 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

5. Relay

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left, a sidebar lists 'Knob' and 'Button 1' through 'Button 5 + 6', with 'Button 1' selected. Below the sidebar are 'Start Up' and 'Touch Panel Setting' buttons. The main area is titled 'Add Event' and contains the following fields:

- 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'.

At the bottom of the form are 'Save' and 'Cancel' buttons. The footer of the page shows '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

6. LED

This screenshot shows the 'Add Event' form with the 'Event' dropdown set to 'LED'. The fields are configured as follows:

- Event:** LED
- Event Name:** Event Name
- Button Select:** Button 1
- Status:** Always OFF

The 'Save' and 'Cancel' buttons are at the bottom of the form. The sidebar and footer are identical to the previous screenshot.

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

7. Delay

The screenshot shows the 'Configuration' tab of the IP Control Panel. On the left sidebar, 'Button 1' is selected. The main area is titled 'Add Event'. The 'Event' dropdown is set to 'Delay'. Below it, the 'Event Name' field is empty. The time settings are: Hour: 0 (0-23), Minute: 0 (0-59), Second: 0 (0-59), and Millisecond: 0 (0-999). At the bottom of the form are 'Save' and 'Cancel' buttons. The footer shows '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

8. Volume

This screenshot shows the 'Add Event' form with 'Volume' selected in the 'Event' dropdown. The 'Event Name' field is empty. The 'Action' dropdown is set to 'Set Volume'. Below it is a 'Volume' input field with a note: 'The value must be limited between Min Vol and Max Vol.' The 'Save' and 'Cancel' buttons are at the bottom of the form. The sidebar and footer are identical to the previous screenshot.

- Set the volume of the third-party devices connected with the TP 1

Touch panel setting

Home
Configuration
Network
Setting
Upgrade

Knob
Button 1
Button 2
Button 3
Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button 1 + 2
Button 3 + 4
Button 5 + 6

Start Up

Touch Panel Setting

Custom Title: (20 Characters)
Page Layout: Standard

Custom Title Text Size: 100 % (Default: 100%)
Page Style: Dark

Custom Logo URL:

Button Total Amount: 9
Button BackGround Color: (HEX Code)

1st Line Button Amount: (5 or less)
Button Broder Color: (HEX Code)

2st Line Button Amount: (5 or less)
Button Text Color: (HEX Code)

Screen Resolution: (Screen Width)
(Screen Height)

Button Font Family: Aller
Button Font Weight: Normal

Screen Rotation: 0 degrees
Button Font Size: Normal

Save

Cancel

IP Control Panel

Log Off

Home
Configuration
Network
Setting
Upgrade

Knob
Button 1
Button 2
Button 3
Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button 1 + 2
Button 3 + 4
Button 5 + 6

Start Up

Touch Panel Setting

Screen Rotation: 0°
Button Font Size: Normal

1
2
3
4
5

6
7
8
9
10

Button Label(<= 10 Characters):

Button 1
Button 2
Button 3
Button 4
Button 5

Button 6
Button 7
Button 8
Button 9
Button 10

Enable Volume Button: ☒ Enable ☐ Disable

Volume Button 1 Text: Left Position (10 Characters)

Volume Button 2 Text: Center Position (10 Characters)

Volume Button 3 Text: Right Position (10 Characters)

Save

Cancel

IP Control Panel

Log Off

- Selecting the touch panel setting.

4. Network

Home	Configuration	Network	Setting	Upgrade
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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.

1. Setting

Home	Configuration	Network	Setting	Upgrade
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Credentials

User Name:

New Password:

Update Profile

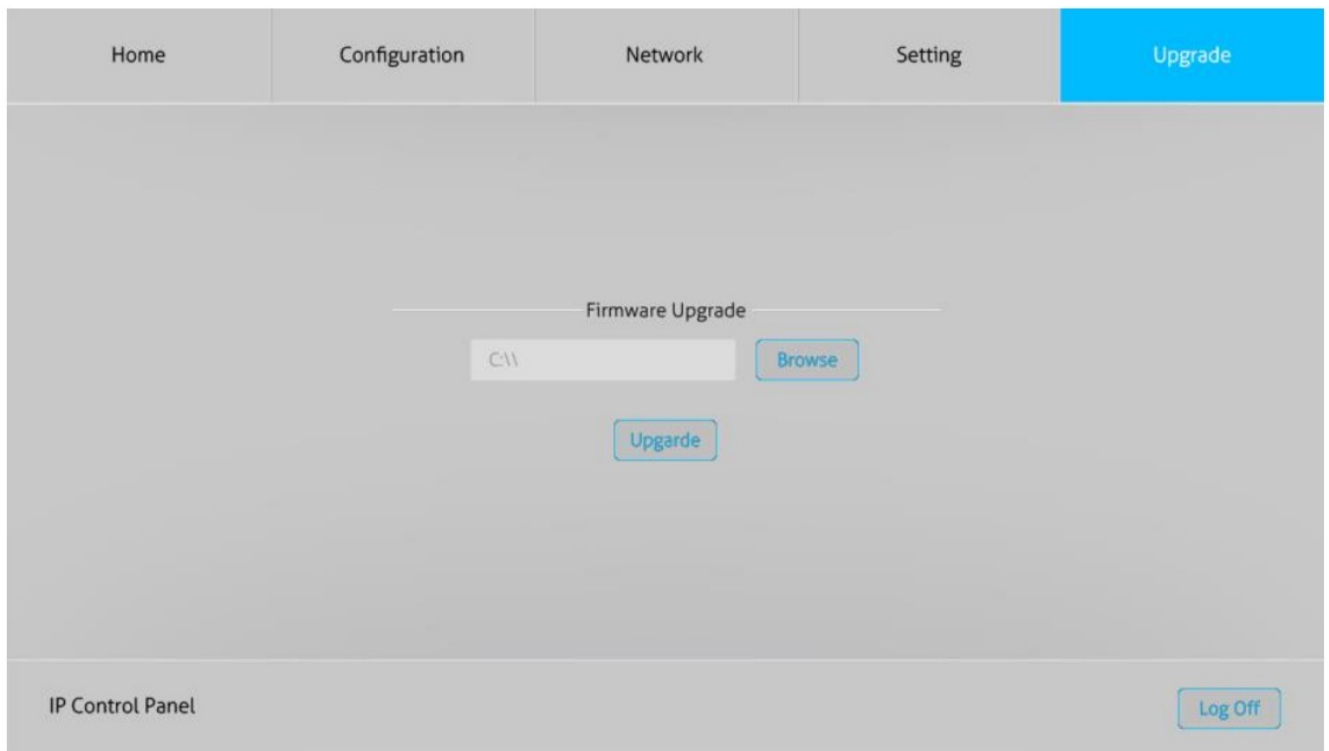
Setting:

Factory Default

IP Control Panel

- **Credentials:** setting the user name 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 t:** Click Factory reset

5. Upgrade

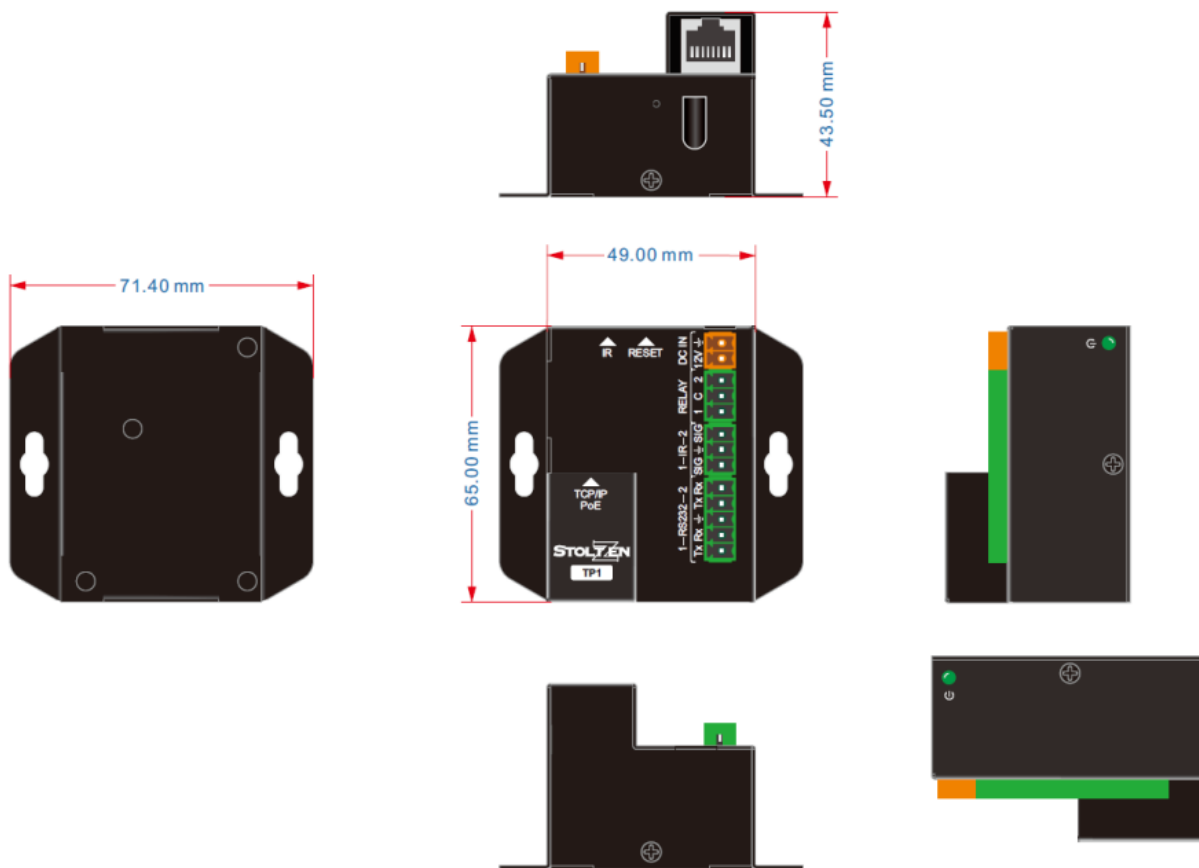


- **Firmware Upgrade:** click the browse to choose the upgrade file (the file needs to be renamed as “TP1.app”) and then click upgrade to execute upgrade.

Specification

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: 12VDC, PoE
Net Weight		150g
Case Dimensions (W*H*D)		49mm x 65mm x 43.5mm

Panel Drawing



Buttons IP Control Panel

Customer Service

The return of a product to our Customer Service implies the full agreement of the terms and conditions hereinafter. There 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 does not relate to a product defect.
- Shipping fees, installation or labor charges for installation or setup of the product.

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.

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



Documents / Resources

 <p>STOLTZEN Poseidon TP1 Touch Processor LAN, IR, RS232, Touch GUI All Rights Reserved © 2014 STOLTZEN</p>	<p>STOLTZEN TP1 Poseidon Touch Processor [pdf] Instruction Manual TP1, TP1 Poseidon Touch Processor, Poseidon Touch Processor, Touch Processor, Processor</p>
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References

- [User Manual](#)

Manuals+, Privacy Policy

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