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PIX-ACE022
User Manual

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Introduction

This user manual is designed to guide you through installation, management and maintenance of product.

1. Terms of Use

The “equipment”, “device” and “product” refer to the bridge if there is no other special instructions. The configuration information, such as IP address, mentioned in the user manual is just for reference, please configure the value according to practical application. Please note that the product pictures showed in the manual are for reference, we would update both hardware and software from time to time.

Overview

The bridge is integrated with both bridge mode and gateway mode, which is suitable for different environment, such as elevator, power high voltage line, wharf, highway etc.

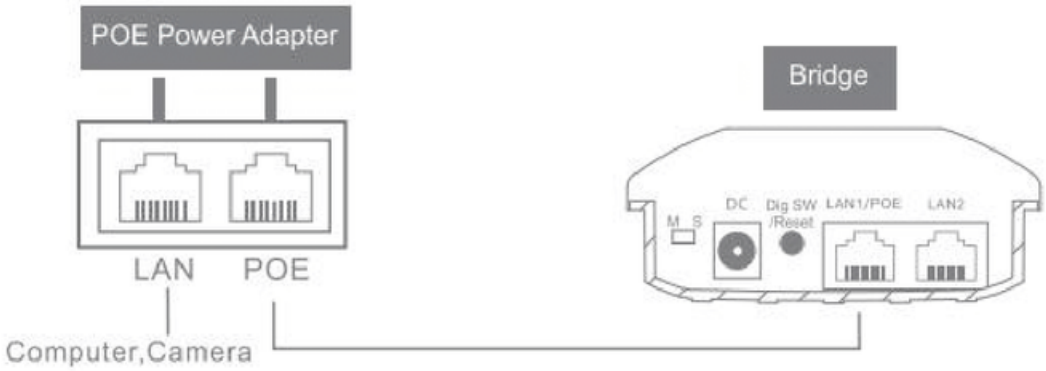
Feature:

Provide 2*10/100Mbps RJ45 ports.

Support launching function of radio signal.

Device Management

The user manual is for use with several models, the configuration steps are same.



1. Interface Instruction

DIP Switch（M S）: Bridge Access Point, Bridge Client

DC: Power input port, DC12V/1A.

Digital Switch / Reset: Channel 1 would be added by short pressing (the matching

configuration time is about 5s), reset to factory defaults by pressing in 15s.

LAN1/POE Port: PoE port for handling all user traffic and powering the device. The port is used as the LAN port under bridge mode, and as WAN port under gateway mode.

LAN2 Port: For handling all user traffic, could connect with PC, cameras and switches.

2. LED Indicator Instruction

SIG1, SIG2, SIG3, SIG4	Signal Indicator: Bridge AP: Output Power Indicator < 25% (SIG1 ON) 25%~50% (SIG1-SIG2 ON), 50%~75% (SIG1-SIG3 ON), 75%~100% (SIG1-SIG4 ON). Bridge Client: Signal Strength Indicator Failure Connection: Flowing Successful Connection: 0~-65dBm (SIG1-SIG4 ON), -66~-75dBm (SIG1-SIG3 ON), -76~-85dBm (SIG1-SIG2 ON), ≤ -86dBm (SIG1 ON).
LAN1	Connected and data is under transmission (Flicker) Disconnection (OFF)
LAN2	Connected and data is under transmission (Flicker) Disconnection (OFF)
	The device is under normal operation (Flicker)
	Power ON (ON) Power OFF (OFF)
	Digital Switch / Reset: Channel 1 would be added by short pressing (Value Circulation: 0-9-A-C)

3. Pairing Configuration

(1) Point-to-point Pairing

①Configure one to bridge access point, and the other one to bridge client.

②Short pressing the “Digital Switch / Reset”, Channel 1 would be added by short pressing (Value Circulation: 0-9-A-C).

③Set the same channel value for both two devices, then finished the pairing.

(2) Radio Channel Comparison Table

Value	0	1	2	3	4	5	6	7	8	9	A	b	C
Channel No.	1	2	3	4	5	6	7	8	9	10	11	12	13

Note: Please connect the device with the standard power cable in the package. The device is support powered by PoE, which is convenient for wring deployment.

WEB Management

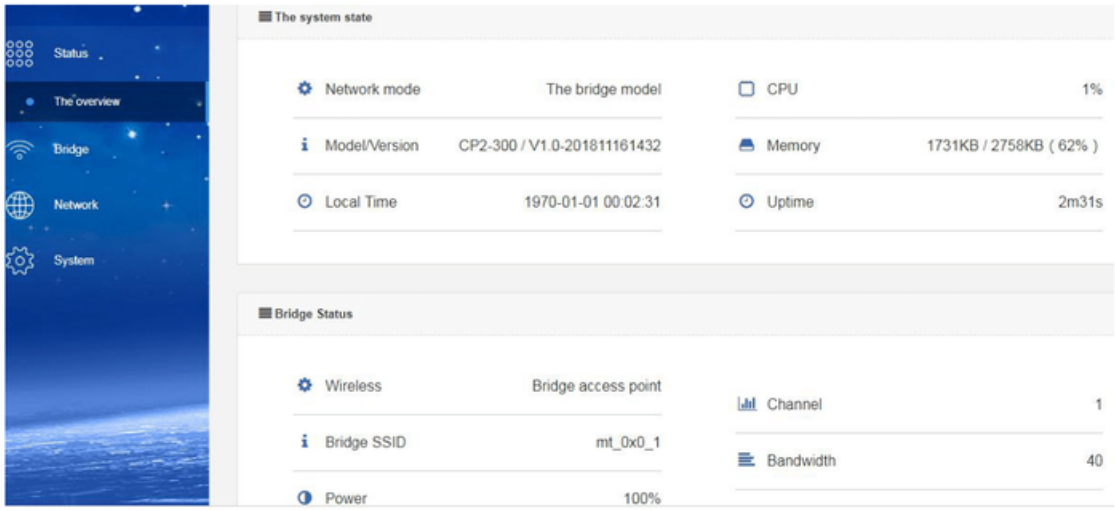
Login Steps for WEB Management:

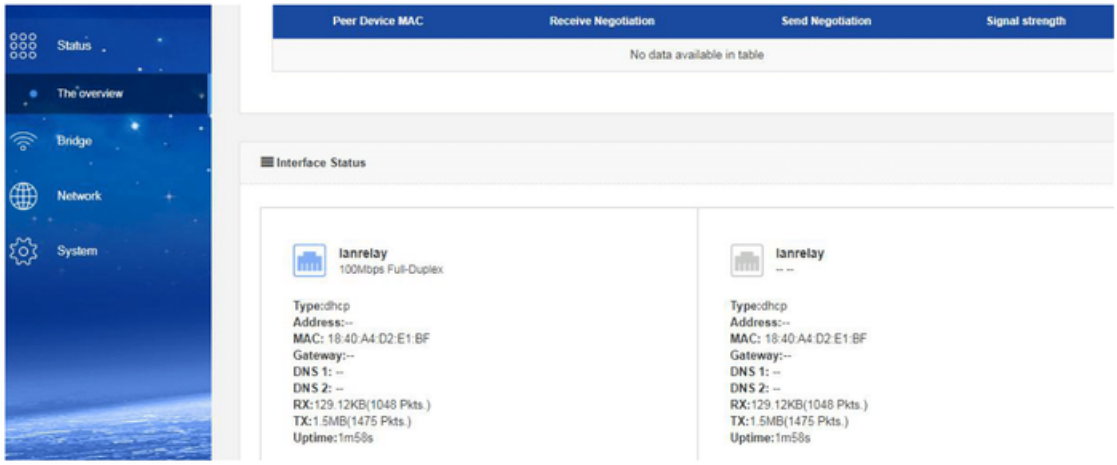
1. Please connect the PC to the LAN port of the device.
2. Set static IP address as 169.254.254.253/16 to the PC
3. Open the browser and input the IP address 169.254.254.254 to enter the login UI.
4. Input the user name and password to login (Default user name/ password: utepo/ utepo)

Status

1. Overview

The page is including the status of system, bridge and interface, shown as below.





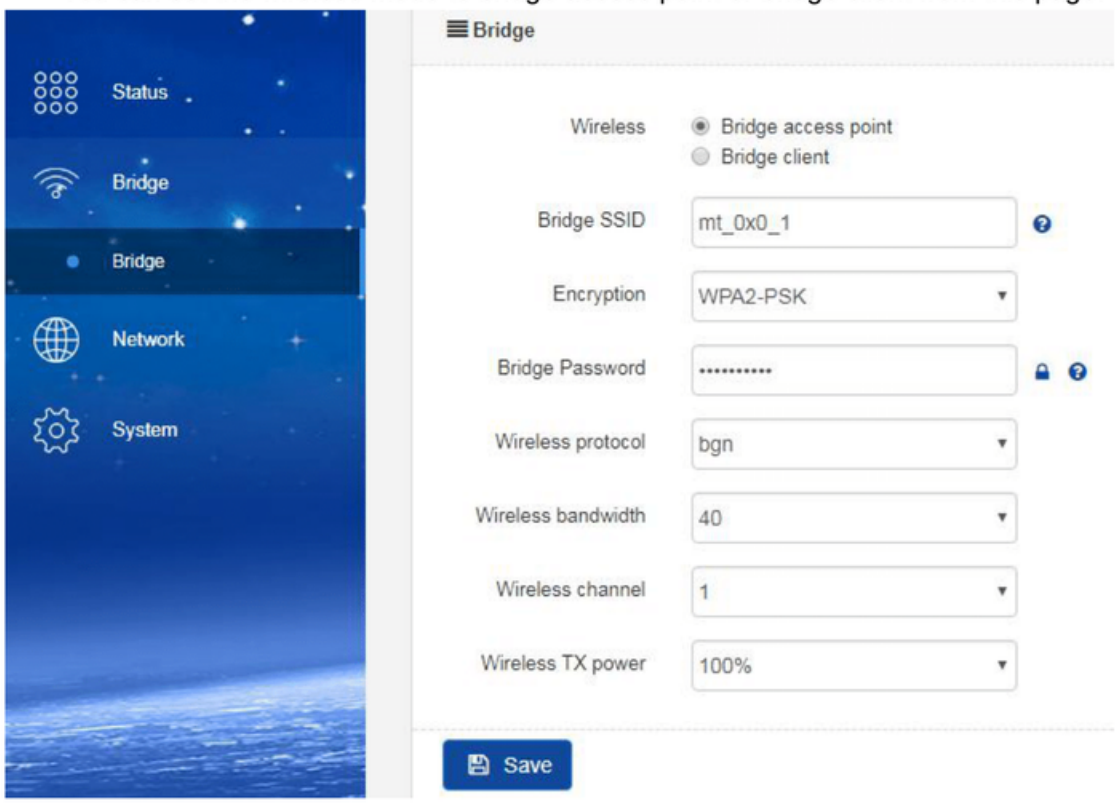
Note: the information of system status and interface traffic status would be updated in every 5 seconds.

① CPU: Showing the current occupied CPU
② Memory: Showing the current occupied memory.

Bridge

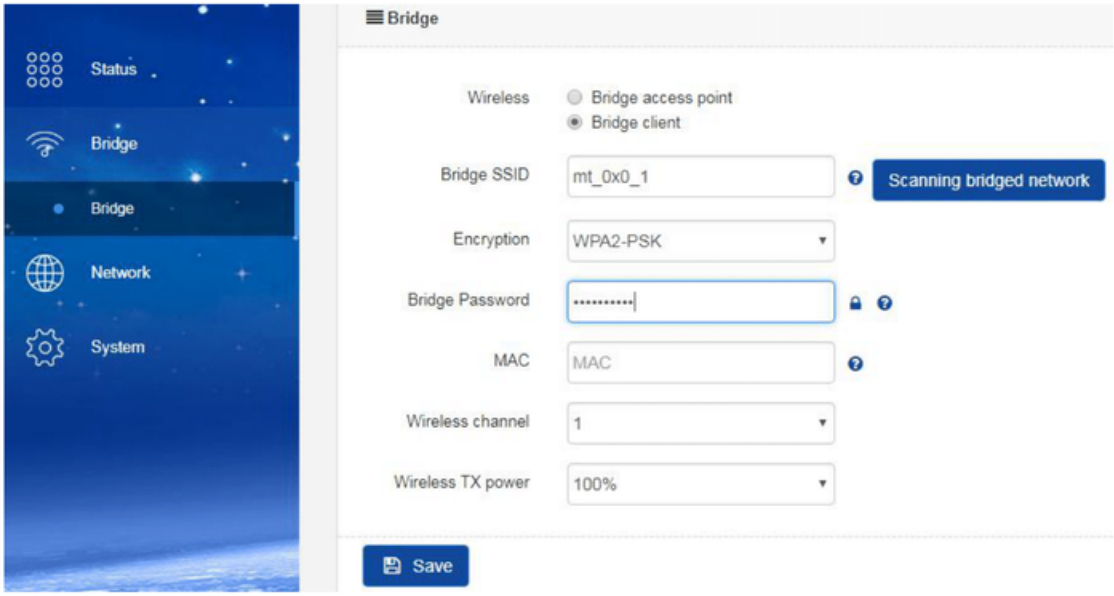
1.Bridge Configuration

You can set the wireless mode to bridge access point or bridge client from this page.



(1) Bridge Access Point

① Bridge SSID: name of bridge SSID.
② Encryption: Encryption type of SSID (N/A, WPA2-PSK, WPA-PSK)
③ Bridge Password: Need to enter the same password to ensure the pairing.
④ Wireless Protocol
⑤ Wireless Bandwidth: 20MHz, 40MHz
⑥ Wireless Channel
⑦ Wireless TX Power: 100%, 75%, 50%, 25%, 10%, 5%



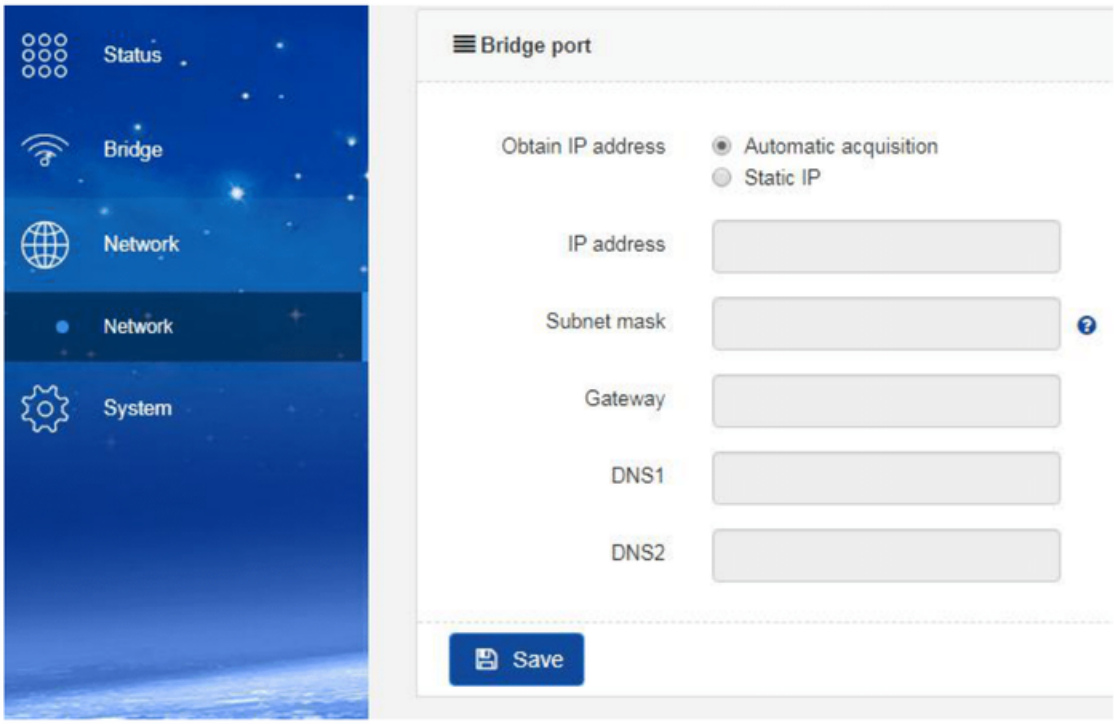
(2) Bridge Client

① Bridge SSID: Name of Bridged SSID, support manual filling or click “scanning bridged network” to choose the SSID.
② Encryption: Encryption type of Bridged SSID (N/A, WPA2-PSK, WPA-PSK)
③ Bridge Password: Password of bridged device.
④ MAC: Used to bridge locked MAC address devices when the same bridge SSID configuration exists
⑤ Wireless Channel: Same with bridged channel
⑥ Wireless TX Power: 100%, 75%, 50%, 25%, 10%, 5%

Network

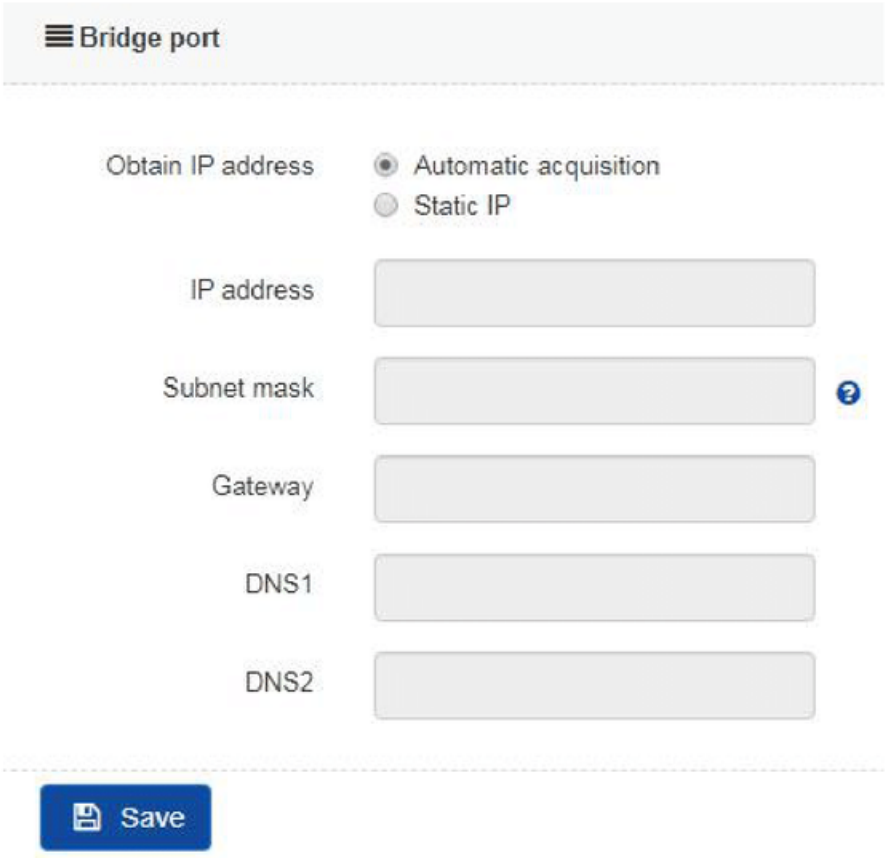
1. Network Configuration

You can configure the access type of network in this page.



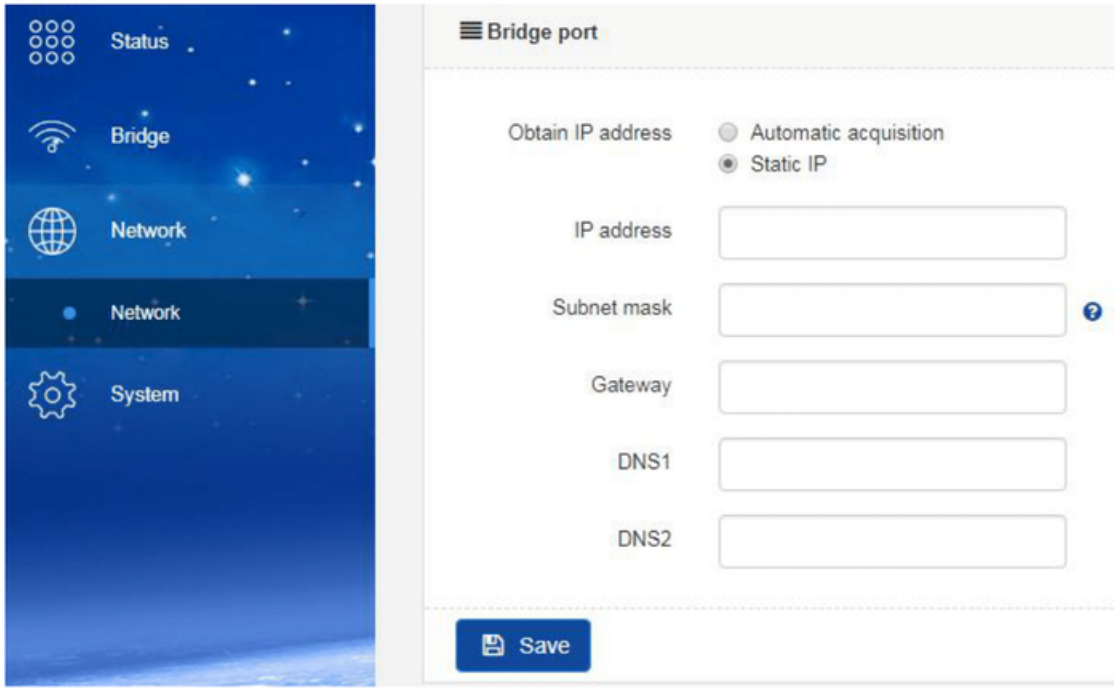
(1) Automatic acquisition

It can automatically obtain the IP address assigned by the superior gateway under the mode.



(1) Static IP

It needs the manual configuration for the IP address, Subnet mask, Gateway, DNS.

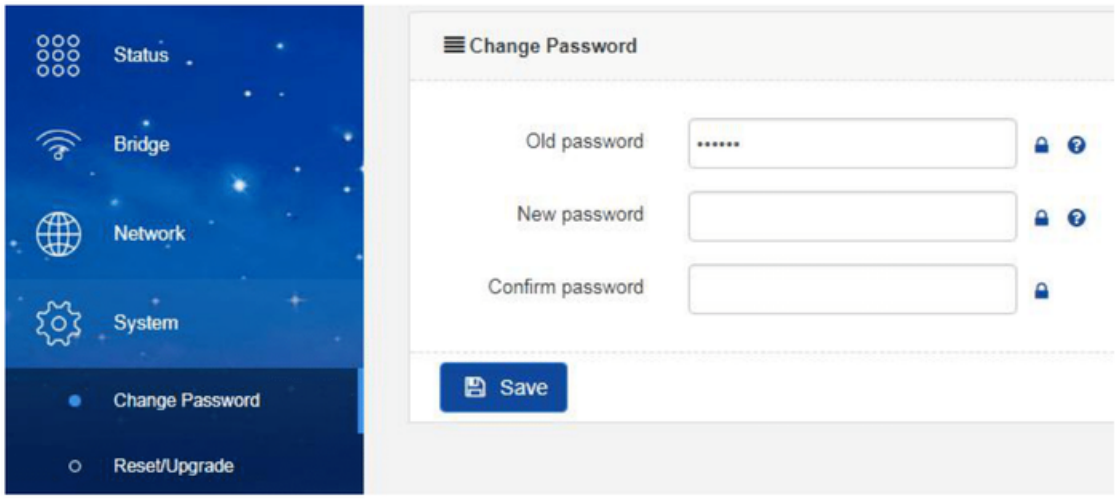


System

It mainly includes two parts of change password, Reset/Upgrade.

1. Change Password

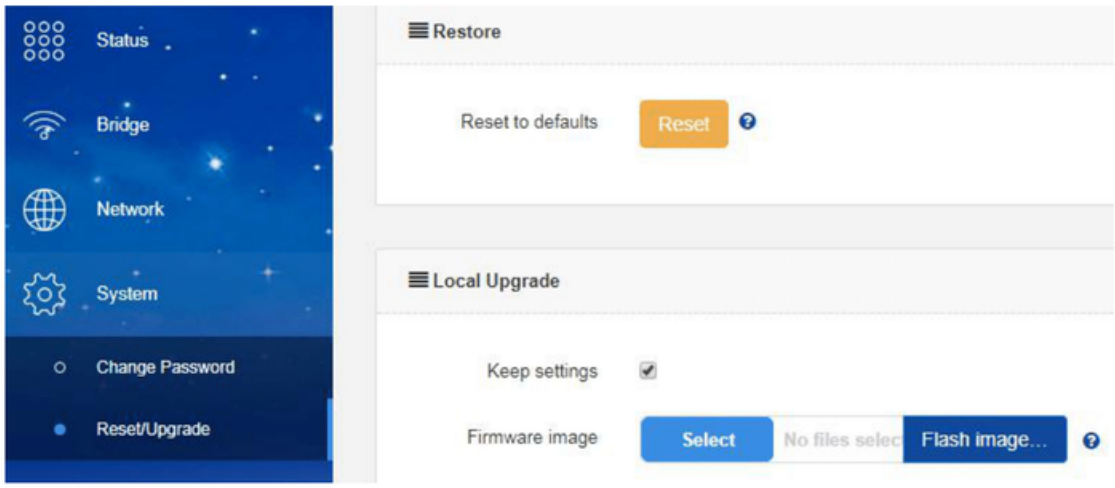
Change the password according to the prompt.



Note: it is recommended to change the router login password for network security.

2. Reset / Update

You can reset the device to defaults or upgrade through firmware in this page.



① Reset: Reset the device to factory default.

② Flash image: Click “Select” to upload the firmware to upgrade. When Click “Keep settings”, the system would keep the all current settings, otherwise it will reset to factory default.