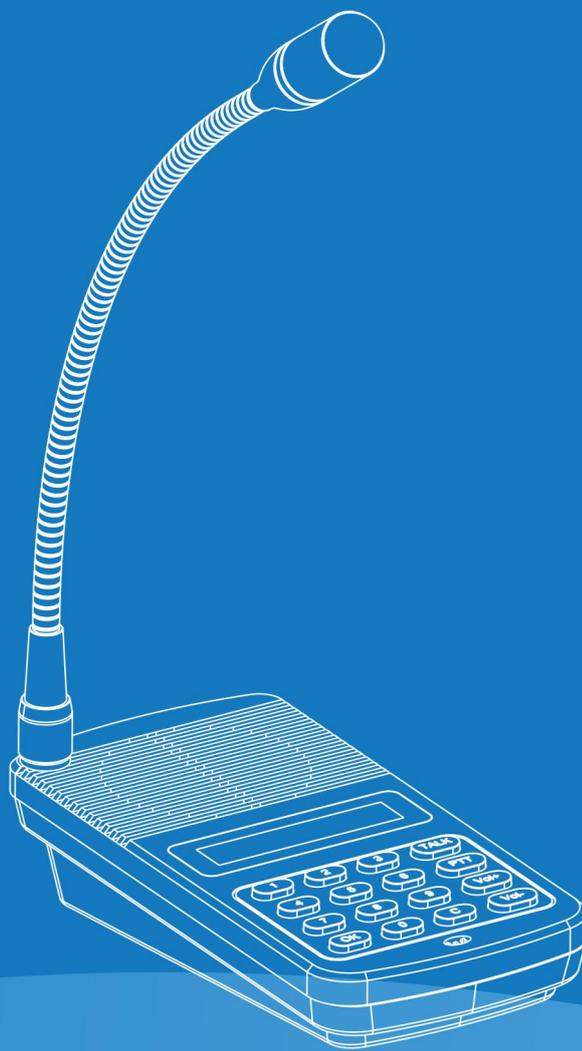


SPON

IP NETWORK INTERCOM TERMINAL
User Manual



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Summarize

Safety precaution

Please abide by the warning and the relevant safety tips.

Please take this manual in convenient place after you reading the guide for future reference.

Warning



The sign means there is potential safety hazard, when operate wrong may result in death or serious injury.



The sign is used to remind the user that attached is the important operation and maintenance data.

Setting and Installation

(1) Avoid being wet with the water.

Don't make the machine or exposed to rain water or other liquid contamination of the environment, or lead to fire or get an electric shock.

(2) Don't use unspecified voltage.

Using the marked voltage on the machine.

Using more than the logo of voltage could lead to fire or shock.

(3) Don't scratch the power cord.

Don't scratch the power cord or cut it.

Simultaneous, keep the power line far way from heated objects, put heavy things on it will lead to fires or electric shock.

Using machine

(1) In case of the anomalies

Please turn off the power supply immediately when finding the abnormal phenomena, please connect with the agency. if you continue to use, it will likely fires or shock.

- The smoke or odor of the machine.
- The inside of the machine is flooded by water or foreign bodies intrusion.
- Machine falling or machine shell damage.
- The power cord damage(wire core is exposed of broken, etc).
- Fault(eg:it can't network, no sound ...ect).

(2) Don't open the machine internal or modify the machine.

Do not let foreign matters invade the machines internal.

Don't let the metal items or inflammable objects inserting machine such as foreign inserting machines or throw into the vents machines internal, otherwise will likely cause fires or electric shock.

(3) Please do not touch it when thundering.

To avoid electric shock, please do not touch the machine and the plug when lightning, etc.

(4) Please do not place containers with liquid or small metal objects on machine above.

If gets upset containers, and let the fluid inflow to the machine that will likely fires or cause shock.

(5) Do not open the machine internal or modify the machine.

The machine internal contains high voltage parts, once open the cover or modify the machine, it will likely fires or cause shock. All the maintenance and other machine modification should be operated by professional personnel.

(6) Maintenance and the precautions for not using in a long time.

While maintenance, if the machine is not using for 10 days or more , please shut off power supply switch for safety. If do not comply with this provision, it will likely cause electric shock or fires.

Product Presentation

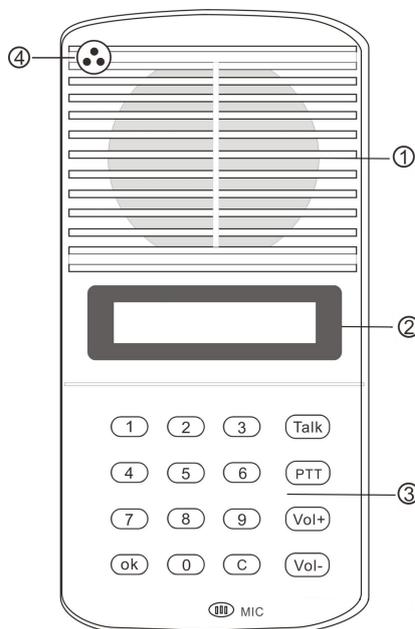
IP Network Intercom Terminal is embedded with the independent intellectual property rights IP Audio digital network audio technology. The terminal equipped with power input interface、short circuit input and output、audio power output、audio line etc ports.



- With a LCD display and a mini size, available to be table topped or wall-mounted.
- Numeric button calling, it can call any one terminal to realize full-duplex talking.
- With a built –in speaker and a microphone, available to make a hands-free call and receive the broadcast.
- With the audio output and the microphone input to connect the earphone
- Works everywhere as long as Ethernet available

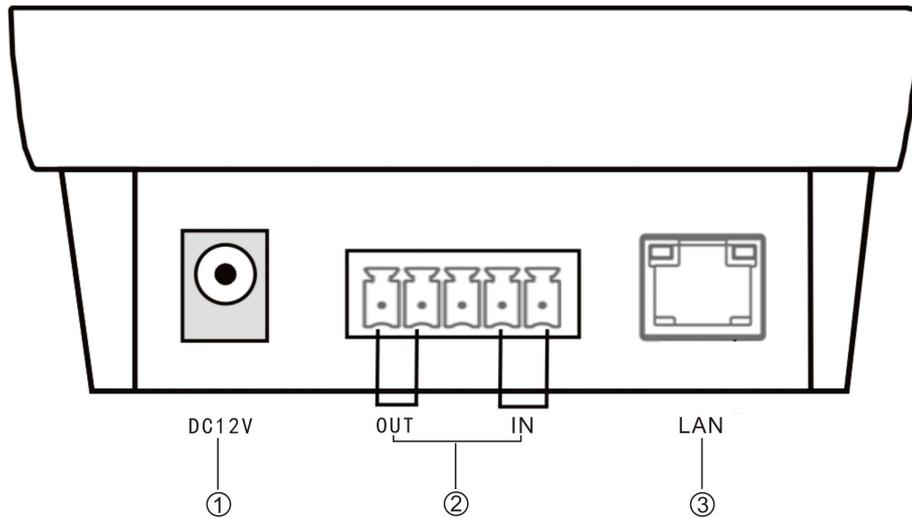
Hardware Interface Introduction

Front



- ①Speaker: Restore the remote live voice
- ②LCD Screen: Show terminal status
- ③Button: Human-computer interaction input channel and input as per the command
- ④Pickup microphone: Pick up the live voice

Back



①Power input: Connect to DC 12V/2A power supply

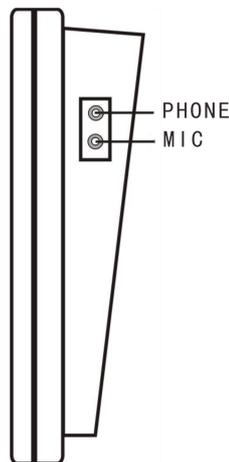
②Alarm input/ output:

Alarm input port has two pins, the two pins` state won`t affect the audio terminal working state in normal use, only when the two pins are short sub, then the audio terminal will make some special operations automatically (eg: generate an alarm signal and sent to the server or give an alarm from the local terminal etc.) Alarm button, signal generator all these devices can access to this port;

Alarm output port with 2 pins, this two pins usually in open circuit state, when the terminal receives a short circuit output signal from the server, then two short pin will automatically short-circuited together to play the alarm function(eg: open the electronic door lock). The alarm output maximum load current is 1A, and the highest voltage is AC100V (or DC24V);

③Network input port: Use the cable to connect server and terminal;

Side

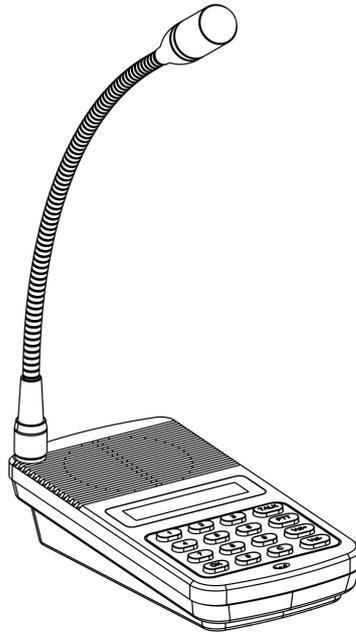


Introduction

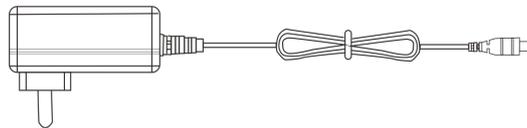
Packing Lists

IP Network Intercom Terminal contains the following accessories. Please check the accessories before installation, if you find any missing, please contact your supplier.

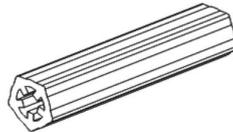
- (1) IP Network Intercom Terminal 1 pcs



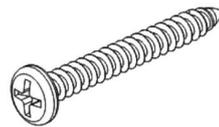
(2) AC Adapter (DC12V/2A) 1pcs



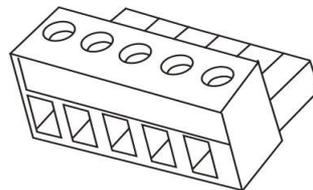
(3) Plastic expansion suit (F7) 3pcs



(4) Semi-circle self-drilling screw (M4*25) 3pcs



(5) Removable terminal (3.96-5P) 1pcs



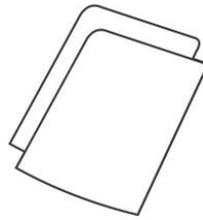
(6) Microphone pole (DC-300A) 1pcs



(7) Sponge cover 1pcs



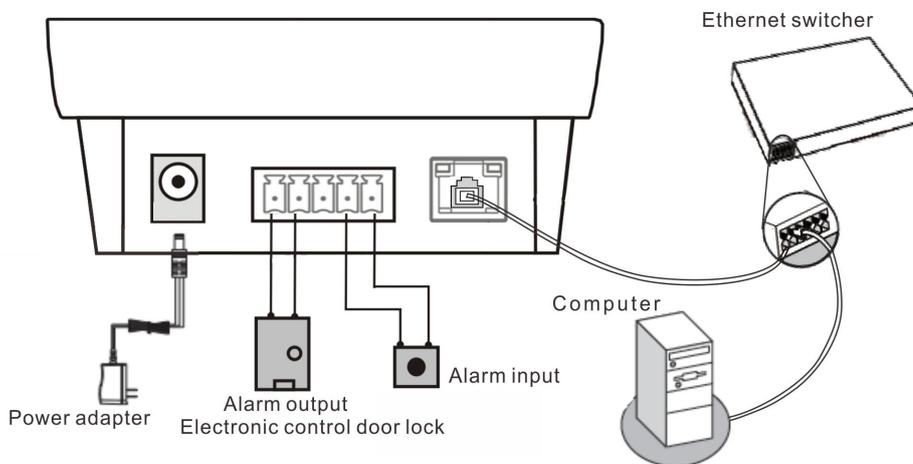
(8) Quick Install Manual 1pcs



(9) Certification 1 pcs



Connection Diagram



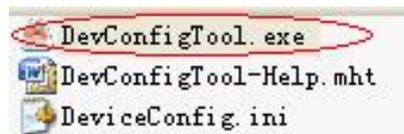
- (1) Using power adapter connect the IP network intercom terminal's power interface and the plug.
- (2) Alarm output interface can be connected to the electric lock.
- (3) Alarm input interface can be connected to the alarm button or other correlation signals.
- (4) Terminal LAN interface connect to the switcher.

Basic Network Setting

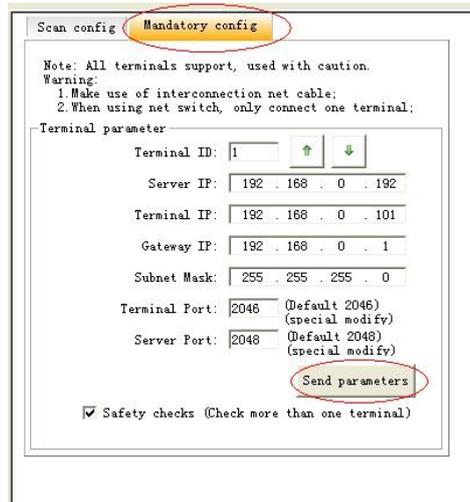
Connected the cable as per the quick installation manual and powered on, then revise the terminal network parameters according to the live environment.

Terminal Equipment Scanning Tools

- (1) In [CD: \ tools \] directory, find and run "IP configuration tool" audio terminal, start it , enter the default password "123456".



- (2) From the right menu choose **【Mandatory method configuration】** , then fill in the correct parameters in the **【terminal parameters】** , click "send parameters" button to complete the IP parameters Settings.



Note:

- 1、 When using the Windows 7 operating system, please use the administrator mode, and then shut down the firewa ll and the related software;
- 2、 Terminal equipment scanning tools can only configure one terminal. When using this method, please make sure t hat a computer is only corresponding to one target terminal;

Web page Mode

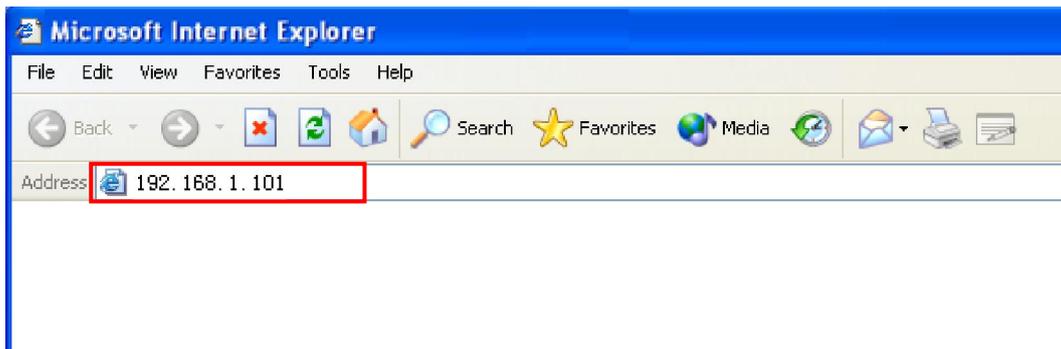
Enter the IP network intercom terminal web interface,revise the network parameters according to the environment, after Settings, click the "save".

Please refer to User-defined terminal parameters for detailed information.

User-Define Terminal Parameters

Login Web Interface

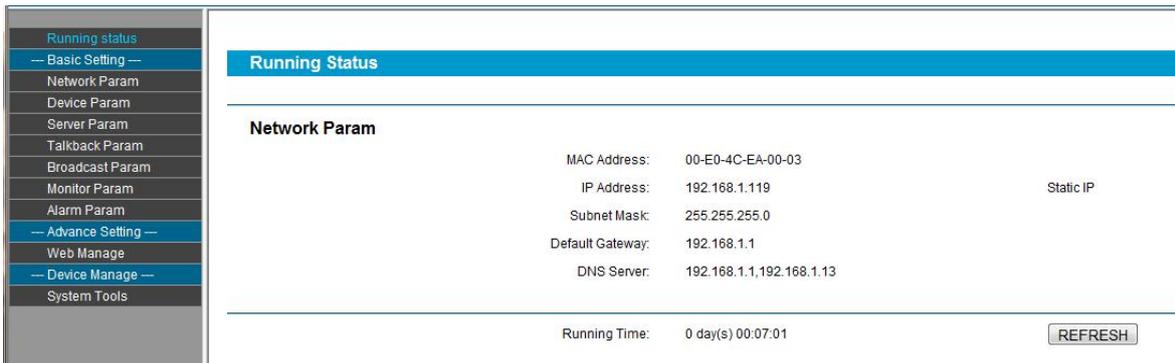
- (1) Enter the IP network intercom terminal IP address in the browser address bar(the default IP is 192.168.1.11, under the condition of no plug cable, it will broadcast IP information).



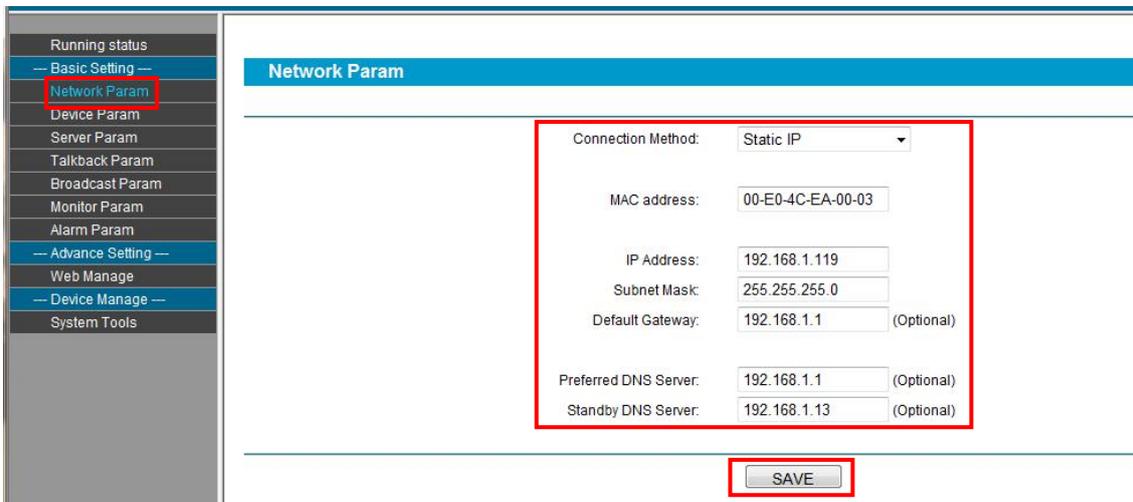
- (2) In the login window enter the user name and password (the default is admin).



(3) After Press OK, it can enter IP network terminal's Web page.



Network Parameters



Parameter meaning as following:

Connection type	The default is static IP, user defined the IP parameters
MAC address	Terminal physical address
IP address	Terminal IP address , the factory default is 192.168.1.11
Subnet mask	Terminal networking Subnet mask
Default gateway	Terminal network gateway
Preferred DNS server	Terminal networking preferred DNS server IP
Secondary DNS server	Terminal networking secondary DNS server IP

Device Parameters

Parameter meaning as following:

Device number	Terminal ID, the only identity No., the range from 1 to 999.The default is 1
Accept port	Terminal communication port

Online Server Parameters

Parameter meaning as following:

Preferred DNS Server	Terminal login server address .The default is 192.168.1.13
Secondary DNS Server	If it can't connect to preferred DNS server, then it can login to secondary DNS server. The default is 192.168.1.14
	If it can connect to preferred DNS server,then restart and login preferred DNS server again
Login Interval	When the device is offline, it ask log server 's time interval . The default is 1 sec

Quick Call Parameters

Parameter meaning as following:

Shortcut keys setting	Numeric key 0—9 can set the mapping relation, call or broadcast to the specified zone or terminal.
Shortcut keys function definition	Shortcut keys function can be set as intercom or broadcast operation. The default is intercom.

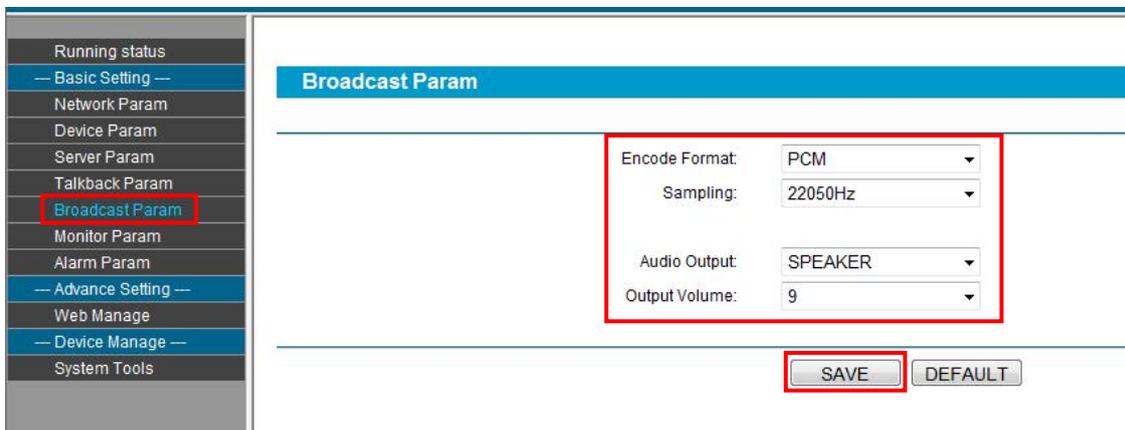
Intercom parameters

Parameter meaning as following:

Code format	Intercom coding, PCM means uncompressed data , ADPCM means compressed data
Sampling rate	The host intercom or monitor sampling frequency (8000 Hz or 22050 Hz),

	the default is 8000 Hz
Audio Input	The default audio input mode is Mic input(MIC,LINE INPUT,AUTO-ID)
Input volume	The host intercom total input volume, the range is 0 to 15.The default is 7
Audio output	The default Audio output is speaker output(SPEAKER,LINE OUTPUT,AUTO-ID)
Output volume	The host intercom total output volume, the range is 0 to 15.The default is 7
Ring output	The default Ring output is speaker output(SPEAKER,LINE OUTPUT,AUTO-ID)
Ring Volume	The ring output volume, the range is 0 to 15. The default is 3
Initiate Intercom	As intercom initiator, it can set to hang up the intercom or not
Accept Intercom	As intercom receiver, it can set auto-answer or manual answer and allowing hang up or baning hang up
Enable offset echo	After choose it, it will support offset echo

Broadcast Parameters



Parameter meaning as following:

Code format	Broadcasting coding, PCM means uncompressed data , ADPCM means compressed data
Sampling rate	The host broadcasting sampling frequency (8000 Hz or 22050 Hz), the default is 8000 Hz
Audio Input	The default audio input mode is Mic input(MIC,LINE INPUT,AUTO-ID)
Input volume	The host broadcasting total input volume, the range is 0 to 15.The default is 9
Audio output	The default Audio output is speaker output(SPEAKER,LINE OUTPUT,AUTO-ID)
Output volume	The host broadcasting total output volume, the range is 0 to 15.
Broadcasting prompt tone	After chosen it, it will play the prompt tone before broadcasting.

Monitor Parameters

Parameter meaning as following:

Audio input	When terminal is monitored, the default audio input is microphone input.
Input Volume	When terminal is monitored, the volume arrange is 0 to 15.The default is 11.

Alarm Input Parameters

Parameter meaning as following:

Input channel	According to the alarm parameters to obtain the corresponding channel number, the default is 1.
Alarm types	It have normally open and normally closed two types, the default is is normally open.
	Normally open: when closed, it send alarm input signal to server. Normally closed: when disconnected, it send alarm input signal to server.

Alarm Output Parameters

Parameter meaning as following:

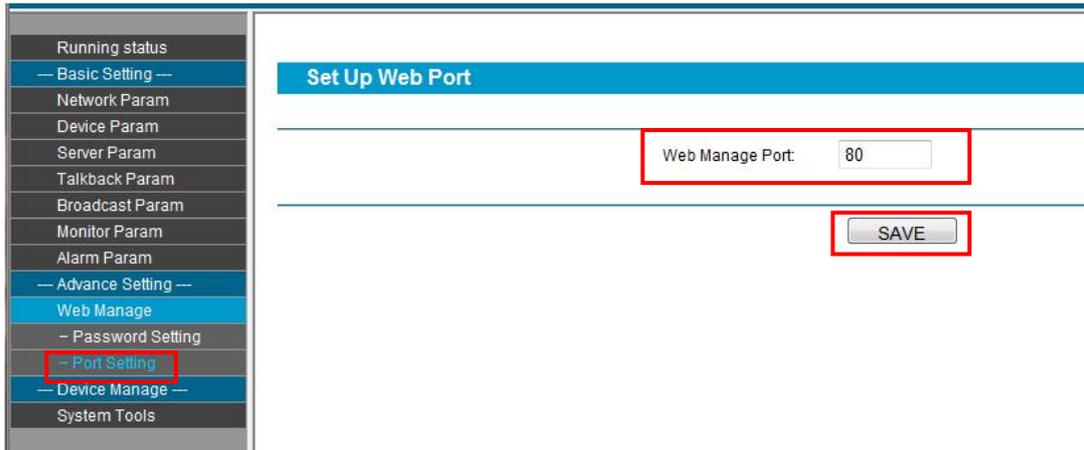
Output channel	According to the alarm parameters to obtain the corresponding channel number, the default is 1.
Alarm types	It have open alarm and CCTV alarm two modes, the default is CCTV alarm mode.
	Closed-circuit alarm: the default is normally open state, or it would be closed when triggered.
	Open circuit alarm: the default is normally closed state, it would disconnect when triggered.

Password modify

In the Web management parameters can modify the login Web page account and password, the original user name and password are "admin".

Port Setting

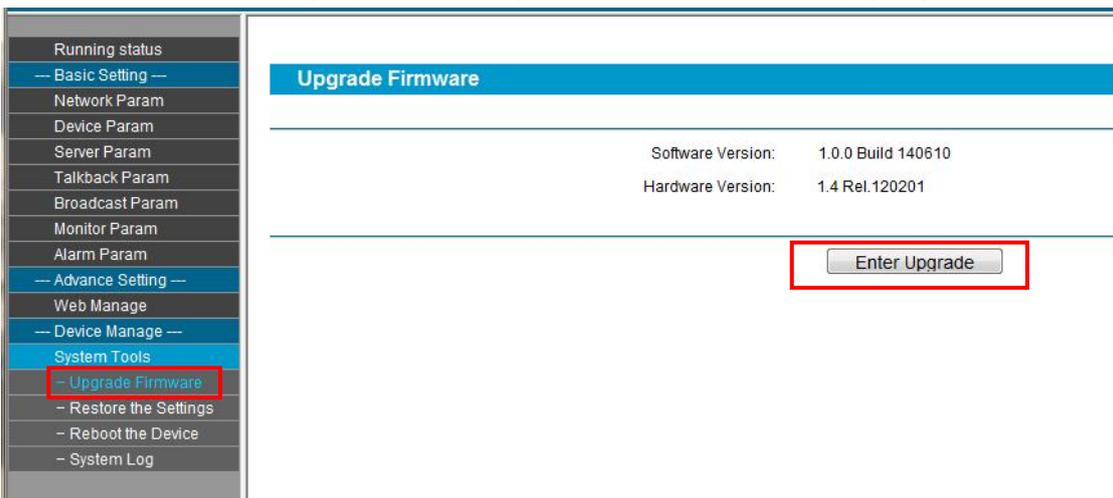
Web management port: access to the Web page's port. If it's not port 80, please add a corresponding port number (example: set the Web port 8888, then access the address should be: http://xxx.xxxx.xxx.xxx:8888).



Firmware Upgrade

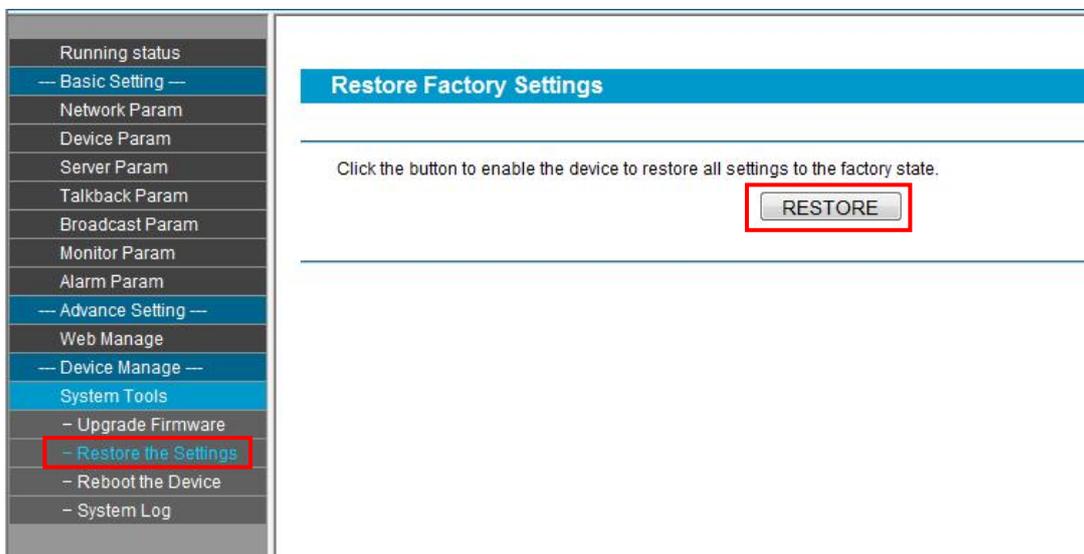
Click on the "maintenance" -> "system tools" -> "firmware upgrade", click "into the firmware upgrade mode" button, enter the firmware update Web pages; Choose the firmware updated file, click "firmware upgrade" button.

If there is no refresh the Web page, please restart your browser, visit the Web page again.



Note: if you need to upgrade the firmware, please contact the supplier.

Restore factory setting



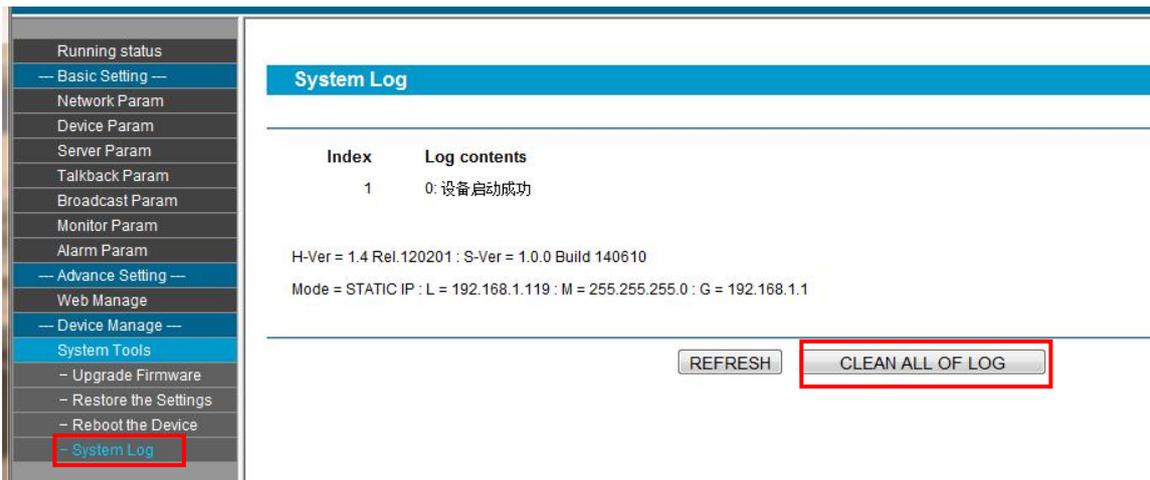
Reboot Device

After clicking the button, the device needs 3 to 10 seconds to restart.



System Log

Click "CLEAR ALL LOGS" button, it will remove all system logs.



Basic Function

Initiate Intercom

Click **【TALK】** button to enter the called terminal No. ,then click **【OK】** button to call.

If the called terminal is free, the terminal will play waiting sound waiting for the answer, the called terminal will play vibration ringtone, screen shows "To Call...".

If the called terminal no response, terminal will automatically hang up after play ten times ,screen shows "Called Busy...".

If the other side reject answer, the terminal will automatically hang up after play eight times busy tone. screen shows "Called Hang Up..."

If be called terminal offline, screen shows "Called Offline".

Receive Intercom

When other terminal incoming call , the terminal will play vibration ringtone and auto-answer, The screen shows "Some Incoming...".

Press **【OK】** or **【Talk】** receive it, press **【C】** cancel it.

Note: It can set the answer and hang up mode in web page.

One-way Intercom

Press **【PTT】** can realize one-way intercom.

Real-time Broadcast

When terminal on free status, double press **【PTT】** can initiate all zones broadcast.

Press **【PTT】**, then press **【0】**, finally press **【OK】**, can initiate all zones broadcast.

Press **【PTT】**, then press **【1】 – 【0】**, finally press **【OK】**, can initiate partial zones broadcast.

Press **【PTT】** or **【C】** can cancel the broadcast.

Off-line Broadcast

IP network intercom terminal can receive other terminal's offline broadcast.

Receive Terminal broadcasting and Server mission

Under the condition of server authorization:

Terminal can accept format of timing broadcast, real-time broadcast, timing ringing and fire alarm. it also can receive the other terminal initiate broadcast.

When broadcasting, if calls, broadcast will suspended; After end the intercom, broadcast continue.

Note: The web page broadcasting parameters can set the broadcasting output channel.

Receive Monitor

Accept other terminal's initiating monitor.

Malfunction Test

Why it appear "terminal network services (UDP) start fail" warning in the process of start services software?

Appearing this warning information, it's usually the local server network connection has been disconnected, please connect the local network cable well and exit the software, then restart it.

Why the terminal always shows "offline"?

- 1).Check the software server and the main controller is normal opened or not. It's required to close all firewall before open the software server (including system built-in firewall and other antivirus software firewall)
- 2).Check the network connection is normal or not. after the terminal powered on, the network port green light is norm on, meantime the orange light will be short and fast flash, it means the network cable connect normal. If the network port green light is not on, it means the network hardware connection problem, please check the network cable and switcher of terminal whether they work normal, damaged and disconnect or not etc.
- 3).Check the terminal's IP setting. Please check the terminal ID, sever IP, local IP, gateway IP etc parameters

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