

Mini SIP Intercom

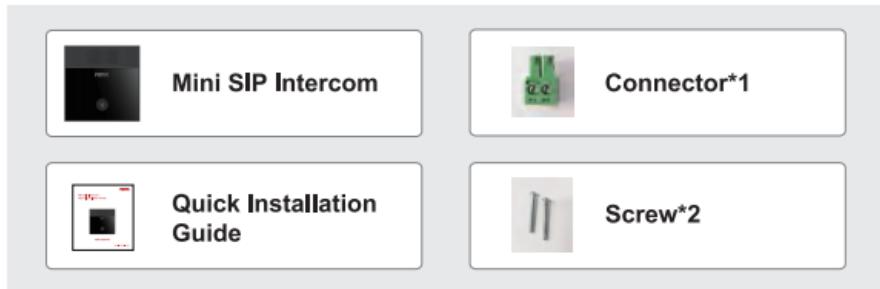
Quick Installation Guide



H501/H501W

www.fanvil.com

① Package Contents



② Physical Specification

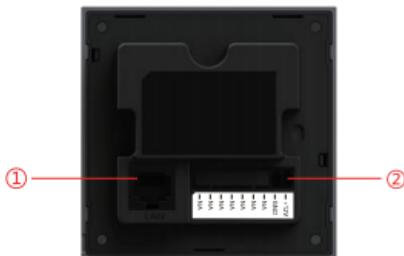
Device Size	86*86*30.9mm
Model	H501/H501W

1) Panel



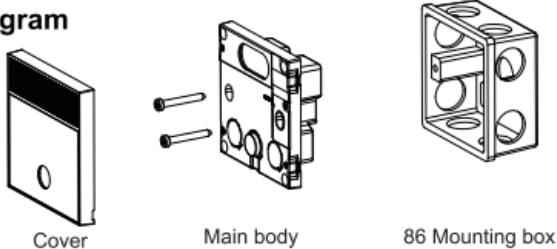
2) Interface Description

On the back of the device, there is a row of terminal blocks for connecting the power supply, network cable. The connection is as follows:



Number	Description
①	Ethernet interface: standard RJ45 interface, 10/100M adaptive, it is recommended to use Cat 5 or Cat 5e.
②	Power interface: 12V/1A input

3) Installation Diagram



3.1) First, remove the cover plate;

3.2) Connect the power cable and network cable, put the main body into the box 86, and use a screwdriver to screw in two PM4*30mm screws to fix the main body on the wall;

3.3) Check whether it works normally. The test method is as follows:

Press and hold the DSS key on the device for 3 seconds (30 seconds after the device is powered on). When the speaker makes a rapid beep sound, press DSS key again quickly and the device automatically announces the IP address by voice. If the IP address works properly, continue with the following steps;

3.4) Cover the cover removed in step 3.1;

4) Searching Mini SIP Intercom

There are two methods as shown below to search the device.

Method 1:

Open the IP scanning tool (Device Manager), click on the Refresh button to obtain the IP address of the device within the local network.

(Download address <https://www.fanvil.com/service/doc/soft/tools/tools/ipsscanner>)



MAC	IP Address	Version	Version Status	Description
0c:3B:3e:6f:24:48	172.18.28.16	H501W	2024-12-26-06:09:46	H501W

Method 2:

Press and hold the DSS key for 3 seconds (after power-on for 30 seconds), and when the speaker beeps rapidly, press DSS key again quickly, the beeps stop, the intercom will report the IP address by itself.

In addition, device provides the device surface DSS key operation to switch IP address acquisition mode:

In the standby mode, press and hold the DSS key for 3 seconds and the beep will last for 5 seconds. Within 5 seconds, press the DSS key three times quickly to switch to the network mode.

If there is no IP at present, switch to the default static IP (192.168.1.128).

Then switch to DHCP mode when it is the default static IP (192.168.1.128)

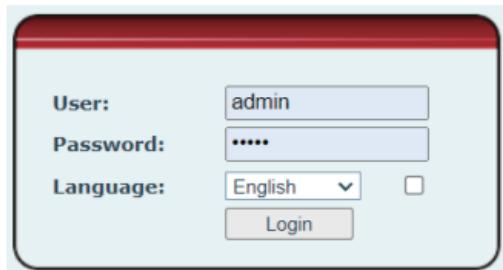
When DHCP gets to IP, then do not switch and report the IP directly.

Report the IP after the successful switch.

5) Mini SIP Intercom Configurations

Step 1: Log in the web of the device

Input IP address (e.g. <http://172.18.70.55>) into address bar of PC's web browser. The default user name and password are both admin.



Step 2: Wi-Fi Settings

Click "Network" → "Wi-Fi Settings", enable Wi-Fi, fill in the Wi-Fi name and password in the corresponding box.

Click "Add" to add the Wi-Fi information to the list. After entering the Wi-Fi information, click "Apply".

SSID	Secure Mode	Encryption Type	Action
WIFI-01	None	WPA2	Delete Modify

NOTE

Description:
This page is used to set up the Wi-Fi information.

Step 3: Add SIP Account

Set SIP server address, port, user name, password and SIP user with assigned SIP account parameters. Select enable "Activate", click "Apply".

Line: **REGISTER**

Register Settings >>

Line Status: **Registered**

Username: S208
Display name: S208
Realm:

Activate: Authentication User: S208
Authentication Password: Server Name:

SIP Server 1:

Server Address: 172.18.1.171
Server Port: 5060
Transport Protocol: UDP
Registration Expiration: 3600 second(s)

SIP Server 2:

Server Address:
Server Port: 5060
Transport Protocol: UDP
Registration Expiration: 3600 second(s)

Proxy Server Address:
Proxy Server Port: 5060
Proxy User:
Proxy Password:

Backup Proxy Server Address:
Backup Proxy Server Port: 5060

Basic Settings >>

Codec Settings >>

Advanced Settings >>

SIP Global Settings >>

NOTE

Description: It shows phone register account basic settings and sip account function advanced settings.

Step 4: Set DSS Key

Set DSS key speed dial parameters, as shown below, click "Apply" to save this setting.

Type: Memory key.

Name: Custom name.

Value: The DSS Key will dial to this number. Click the + at the back to increase the forwarding number, and when the first number does not work, go to call the next number, and each DSS key can add up to 8 transfer numbers.

Subtype: Speed Dial.

Line: Working line.

Media: Audio.

Function key

Function Key Settings >>

Key	Type	Name	Value	Subsite	Line	Media
1	None			None	1/4/0/0	0/0/0/0
2	Device Key	Call button	172.16.20.7	Speed Dial	1 SIP	0/0/0/0
3	None			None	2 SIP	0/0/0/0

Apply

Programmable Key Settings >>

Advanced settings >>

NOTE

Description: Soft function key, which can be programmed as function key on different call interface.

Step 5: Set the SIP Intercom Parameters

Features Media Settings Camera Settings MCAST Action Time/Date Time Plan Tone Led

Basic Settings >>

Enable Call Waiting:	<input checked="" type="checkbox"/>		
Enable 3-way Conference:	<input type="checkbox"/>		
Enable Auto on Hold:	<input checked="" type="checkbox"/>		
Auto Hangup Tone:	<input checked="" type="checkbox"/>		
Enable Silent Mode:	<input checked="" type="checkbox"/>		
Ring Outgoing:	<input type="checkbox"/>		
Default Ans Mode:	<input type="checkbox"/>		
Enable Call Log:	<input checked="" type="checkbox"/>		
Enable Restricted Incoming List:	<input checked="" type="checkbox"/>		
Enable Restricted Outgoing List:	<input checked="" type="checkbox"/>		
Country Code:	<input type="text"/>		
Allow IP Call:	<input checked="" type="checkbox"/>		
Disable AEC:	<input type="checkbox"/>		
Caller Name Priority:	<input type="radio"/> Local/Local/Ext/Contact SIP Display Name	<input type="radio"/> Emergency Call Number	<input type="radio"/> 110
Search path:	<input type="text"/>		
Restrict Active URI Source (IP):	<input type="text"/>		
Line Display Format:	<input type="text"/>		
Block XML when Call:	<input checked="" type="checkbox"/>		
Call Number Filter:	<input type="text"/>		
Limit Talking Duration:	<input type="checkbox"/>		
Enable Http API Auth:	<input checked="" type="checkbox"/>		
Description:	<input type="text"/>		
Ring Priority:	<input type="text"/>		
Auto Handle Delay:	<input type="text"/> (0~30)second(s)		
Disable Mute for Ring:	<input type="checkbox"/>		
Default Dial Mode:	<input type="checkbox"/>		
Enable Country Code:	<input type="checkbox"/>		
Area Code:	<input type="text"/>		
FTP IP Prefix:	<input type="text"/>		
Emergency Call Number:	<input type="text"/>		
LDAP Search:	<input type="text"/>		
Path XML Server:	<input type="text"/>		
Path XSL Server:	<input type="text"/>		
SEIP Notify:	<input checked="" type="checkbox"/>		
Auto Resume Current:	<input checked="" type="checkbox"/>		
Talking Duration:	<input type="text"/> (20~800)second(s)		

NOTE

Description: Function settings, you can set the phone features, including call waiting, conference settings, tone settings, DND settings, intercom settings, and so on. After setting, the corresponding code will be generated, and the corresponding dial settings, power light settings.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference,
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment 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 residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with FCC radiation exposure requirement set forth for an uncontrolled environment. The transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.