



Mini SIP Intercom Quick Installation Guide



H501/H501W

www.fanvil.com

① Package Contents



Mini SIP Intercom



Connector*1



Quick Installation Guide



Screw*2

② Physical Specification

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

1) Panel

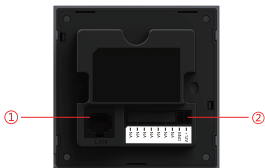


Speaker

Call Button

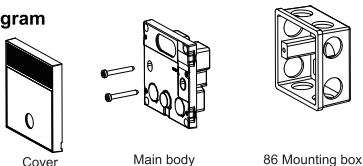
2) Interface Description

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;

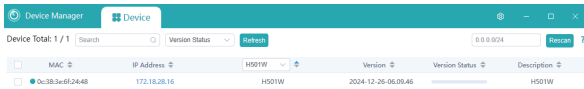
4) Searching Mini SIP Intercom

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/ipscanner>)



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)

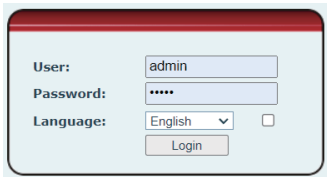
When DHCP gets to IP, then do not switch and report the IP directly.

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.

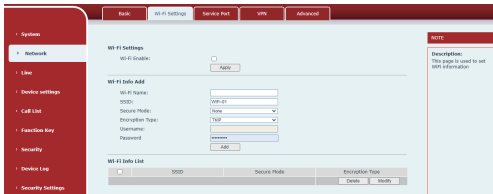


A login form with a light blue background and a red header bar. It contains three input fields: 'User:' with the text 'admin', 'Password:' with six dots, and 'Language:' with a dropdown menu showing 'English' and a small square checkbox to its right. Below these fields is a 'Login' button.

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".



A screenshot of the 'Wi-Fi Settings' page in a web browser. The page has a red header bar with tabs: 'Basic', 'Wi-Fi Settings', 'Service Port', 'VPM', and 'Advanced'. The 'Wi-Fi Settings' tab is selected. On the left is a red sidebar with a menu: 'System', 'Network', 'Line', 'Device settings', 'Call List', 'Function Key', 'Security', 'Device Log', and 'Security Settings'. The 'Network' menu item is highlighted. The main content area is light blue and contains the following sections:

- Wi-Fi Settings**
 - Wi-Fi Enable: ☐
- Wi-Fi Info Add**
 - Wi-Fi Name:
 - SSID:
 - Secure Mode:
 - Encryption Type:
 - Username:
 - Password:
 -
- Wi-Fi Info List**

<input type="checkbox"/>	SSID	Secure Mode	Encryption Type
<input type="checkbox"/>			<input type="button" value="Delete"/> <input type="button" value="Modify"/>

On the right side of the page, there is a red 'NOTE' box with the text: 'Description: This page is used to set 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".

The screenshot shows a web-based configuration interface for SIP settings. On the left is a red sidebar with a menu: System, Network, Line, Device settings, Call List, Function Key, Security, Device Log, and Security Settings. The 'Line' menu item is selected. The main area has tabs for SIP, SIP Logout, Action Plan, Basic Settings, and Paging Server. The 'SIP' tab is active, showing 'Line 1' selected from a dropdown. Below this, the 'Register Settings >>' section contains fields for Line Status (Registered), Username (1234), Display name (1234), Realm, Activate (checked), Authentication User (1234), Authentication Password (***), Server Name, SIP Server 1 (Server Address: 192.168.1.171, Server Port: 5060, Transport Protocol: UDP, Registration Expiration: 3600 seconds), SIP Server 2 (Server Address, Server Port, Transport Protocol, Registration Expiration), Proxy Server Address, Proxy Server Port, Proxy User, Proxy Password, Backup Proxy Server Address, and Backup Proxy Server Port. Below these are sections for Basic Settings, Codec Settings, Advanced Settings, and SIP Global Settings. An 'Apply' button is at the bottom. On the right, a 'NOTE' box states: 'It shows phone registration 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.

- System
- Network
- Line
- Device settings
- Call List
- Function Key
- Security
- Device Log
- Platform Access

Function Key

Function Key Settings >>

Key	Type	Name	Value	Subtype	Line	Media
SOS Key 1	None			None	1 (MTC)	DEFAULT
SOS Key 2	Call button	174 10.20.7		Speed Dial	1 (MTC)	DEPNAT
SOS Key 3	None			None	1 (MTC)	DEPNAT

Apply

Programmable Key Settings >>

Advanced Settings >>

NOTE

Descriptions:
Soft function key, which can be defined by soft function key on different call interface.

Step 5: Set the SIP Intercom Parameters

- System
- Network
- Line
- Device settings
- Call List
- Function Key
- Security
- Device Log
- Security Settings

Features

Media Settings

Camera Settings

PC/ACT

Action

Time/Date

Time Plan

Time

LED

Basic Settings >>

Enable Call Waiting: ☒

Enable 3-way Conference: ☐

Enable Auto on Hold: ☐

Auto HangUp Time: ☒

Enable Silent Mode: ☐

Box Outgoing: ☐

Default Ans Mode:

Enable Callup: ☒

Enable Restricted Incoming Call: ☒

Enable Restricted Outgoing List: ☒

Country Code:

Allow IP Call: ☒

Disable AAC: ☐

Caller Name Priority:

Search path:

Restrict Active IP Source IP:

Line Display Format:

Block SIP, When Call: ☒

Call Number Filter:

Limit Talking Duration: ☐

Enable Http Api Auth: ☒

Description:

Ring Priority:

Auto HangUp Delay: (S~30)(seconds)

Disable Mute for Ring: ☐

Default Dial Mode:

Enable Country Code: ☐

Area Code:

IP2P IP Prefix:

Emergency Call Number:

LDAP Search:

Push SIP Server:

SIP Notify:

Auto Resume Current: ☒

Talking Duration:

200~300(s)(seconds)

NOTE

Descriptions:
Function settings, you can set the phone features, including the basic settings, time settings, DND settings, intercom settings, media settings, the corresponding code settings, password dial settings, screen 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.