



Mini SIP Intercom Quick Installation Guide



H501W-B

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	H501W-B

1) Panel

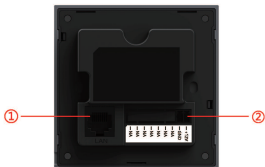


Speaker

Call Button

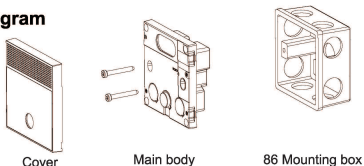
2) Interface Description

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;

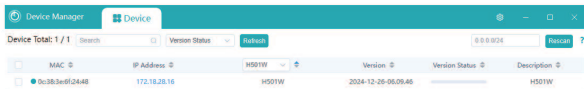
4) Searching Mini SIP Intercom

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)

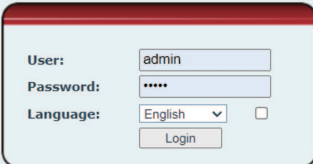
When DHCP gets to IP, then do not switch and report the IP directly.

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.

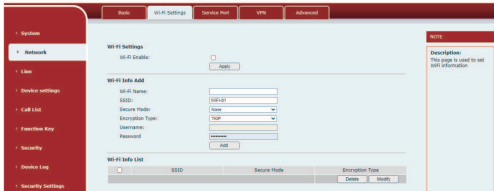


A login form with a light blue background and a red header bar. It contains three input fields: 'User:' with 'admin' entered, 'Password:' with '*****' entered, and 'Language:' with 'English' selected from a dropdown menu. There is an unchecked checkbox to the right of the language dropdown and a 'Login' button at the bottom.

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 interface has a red sidebar on the left with a menu: 'System', 'Network' (selected), 'Line', 'Device settings', 'Call List', 'Function Key', 'Security', 'Device Log', and 'Security Settings'. The main content area has a red header with tabs: 'Basic', 'Wi-Fi Settings' (selected), 'Service Port', 'VPN', and 'Advanced'. The 'Wi-Fi Settings' section includes a 'Wi-Fi Enable' checkbox (checked) with an 'Apply' button below it. Below that is the 'Wi-Fi Info Add' section with fields for 'Wi-Fi Name' (containing 'WIFI-01'), 'SSID' (containing 'WIFI-01'), 'Secure Mode' (dropdown set to 'WPA2'), 'Encryption Type' (dropdown set to 'TKIP'), 'Username' (containing 'admin'), and 'Password' (containing 'admin'). An 'Add' button is at the bottom of this section. At the bottom of the page is the 'Wi-Fi Info List' table.

	SSID	Secure Mode	Encryption Type	
☐	WIFI-01	WPA2	TKIP	Delete Modify

On the right side, there is a 'NOTE' box with the text: 'Description: This page is used to set wifi 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. The top navigation bar includes tabs for 'SIP', 'SIP History', 'Action Plan', 'Basic Settings', and 'Paging Server'. The left sidebar contains a tree view with categories: 'System', 'Network', 'Line', 'Device Settings', 'Call List', 'Function Key', 'Security', 'Device Log', and 'Security Settings'. The 'Line' category is selected, showing a list of lines with '1234567890' highlighted. The main content area is titled 'Register Settings >>' and contains two columns of settings for 'SIP Server 1' and 'SIP Server 2'. The 'SIP Server 1' settings include: Line Status (Registered), Username (1234567890), Display name (1234567890), Realm (empty), Server Address (172.16.1.171), Server Port (5060), Transport Protocol (UDP), Registration Expiration (3600 second(s)), Proxy Server Address (empty), Proxy Server Port (5060), Proxy User (empty), and Proxy Password (empty). The 'SIP Server 2' settings include: Activate (checked), Authentication User (1234567890), Authentication Password (empty), Server Name (empty), Server Address (empty), Server Port (5060), Transport Protocol (UDP), Registration Expiration (3600 second(s)), Backup Proxy Server Address (empty), and Backup Proxy Server Port (5060). Below these settings are links for 'Basic Settings >>', 'Codec Settings >>', 'Advanced Settings >>', and 'SIP Global Settings >>'. An 'Apply' button is at the bottom right. A 'NOTE' box on the right states: 'Description: It shows phone registration account basic settings and sip account function advanced settings.'

SIP Server 1	SIP Server 2
Line Status: Registered	Activate: ☒
Username: 1234567890	Authentication User: 1234567890
Display name: 1234567890	Authentication Password: empty
Realm: empty	Server Name: empty
SIP Server 1: Server Address: 172.16.1.171	SIP Server 2: Server Address: empty
Server Port: 5060	Server Port: 5060
Transport Protocol: UDP	Transport Protocol: UDP
Registration Expiration: 3600 second(s)	Registration Expiration: 3600 second(s)
Proxy Server Address: empty	Backup Proxy Server Address: empty
Proxy Server Port: 5060	Backup Proxy Server Port: 5060
Proxy User: empty	
Proxy Password: empty	

Basic Settings >>
Codec Settings >>
Advanced Settings >>
SIP Global Settings >>

Apply

NOTE
Description:
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

User

Device settings

Call Log

Function Key

Security

Device Log

Platform Access

Function Key

Function Key Settings >>

Key	Type	Name	Value	Subtype	Line	Media
QSS Key 1	Line			Line	Line	Default
QSS Key 2	Call Transfer	112 18.28.7		Speed Dial	Speed	Default
QSS Key 3	Line			Line	Line	Default

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

User

Device settings

Call Log

Function Key

Security

Device Log

Security Settings

Features

Media Settings

Camera Settings

PCACT

Action

Time/Date

Time Plan

Time

Log

Basic Settings >>

Enable Call Waiting:

Enable 3-way Conference:

Enable Auto on Hook:

Auto Hangup Time:

Enable Silent Mode:

Run Outgoing:

Default Area Mode:

Enable Callup:

Enable Restricted Incoming Call:

Enable Restricted Outgoing List:

Country Code:

Allow IP Call:

Disable AEC:

Caller Name Priority:

Search path:

Restrict Active URI Source IP:

Line Display Format:

Block XRL When Call:

Call Number Filter:

Limit Talking Duration:

Enable Http Api Auth:

Description:

Ring Priority:

Auto Hangup Delay:

Disable Mute for Ring:

Default Dial Mode:

Enable Country Code:

Area Code:

P2P IP Prefix:

Emergency Call Number:

LDAP Search:

Rush XRL Server:

SIP Notify:

Auto Resume Current:

Talking Duration:

Note

Descriptions:

Function settings, you can set the phone features, including the basic settings, time settings, call settings, intercom settings, redial settings, the corresponding code settings, password 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.

This equipment shall be installed and operated with minimum distance 20cm between the radiator & body.