



**FH-S01**

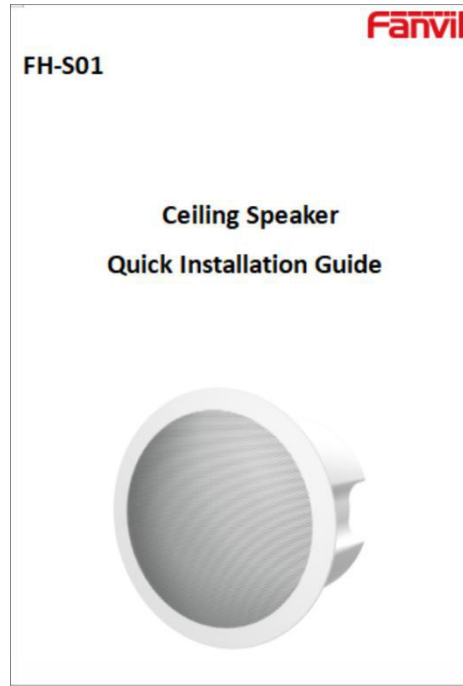
**Ceiling Speaker**  
**Quick Installation Guide**



## ① Package Contents



Ceiling speaker

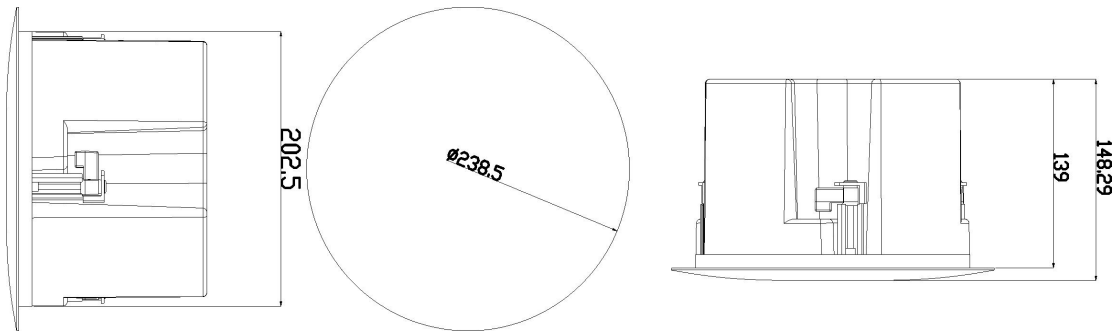


Quick Installation Guide

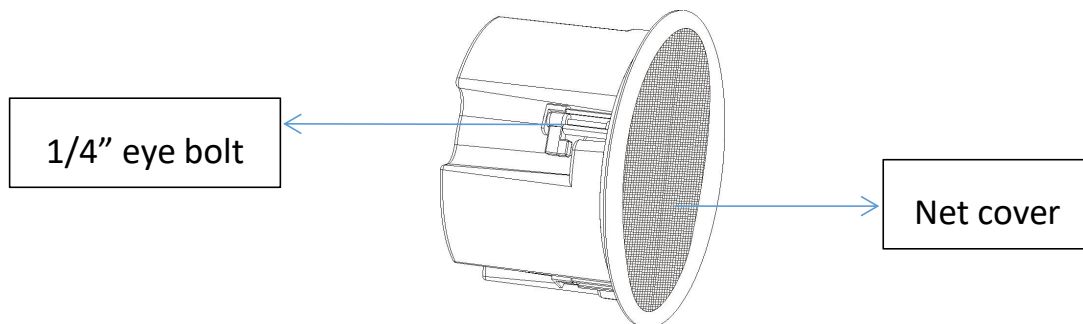
## ② Physical specification

### 1) Ceiling Speaker

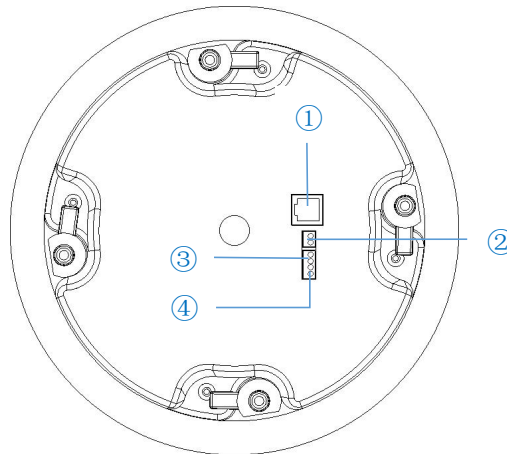
#### A、 Size specification



#### B、 Net cover and four eye bolts



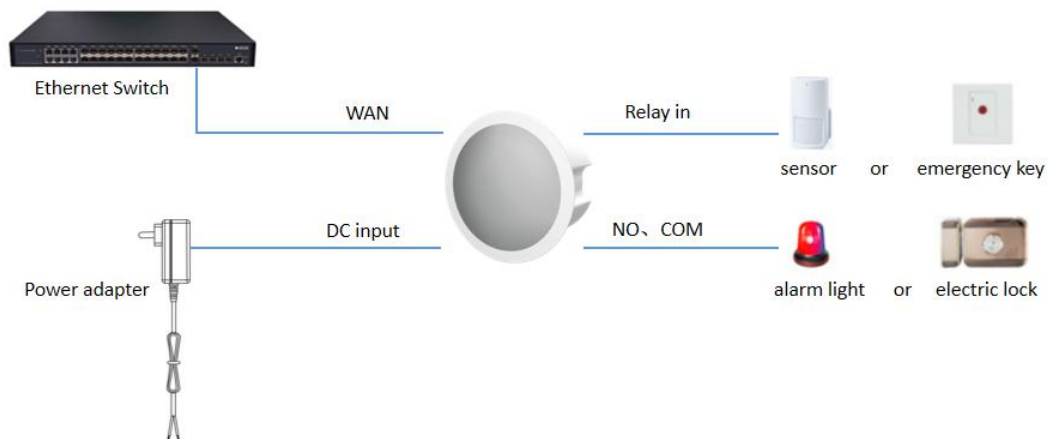
## 2)Interface description



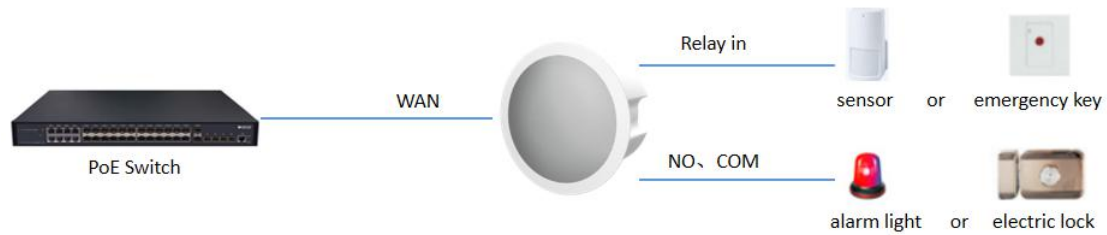
NO.	Description	Interface
1	Ethernet interface: standard RJ45 interface, 10/100M adaptive, support PoE powered, it is recommended to use CAT5 or CAT5E network cable.	
2	Power interface: 12V~24V/2A input	DC 
3	1 set of short-circuit input interface: input devices for connecting switches, infrared sensor, door sensor, vibration sensors etc.	Relay input 
4	1 set of short-circuit output interface: corresponding to the short-circuit input interface, login device web page settings, can be connected to electric locks, etc.	Logic 

## 3)External device connection diagram

Model 1: DC Power



## Model 2: PoE



### ③ Installation Diagram

#### Ceiling-mounted Installation

Step1: Install Speaker

A、 According to the installation position, punch a round hole in the ceiling to hold the back box dimension of the ceiling speaker.

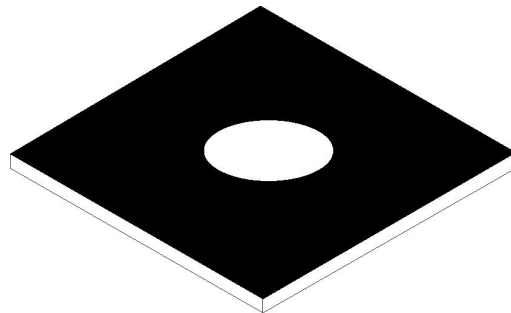
B、 Turn out the four bolts of the speaker, press down, and push out the net cover.

C、 Turn back bolts, insert the ceiling speaker through the round hole made before, then turn out the bolts.

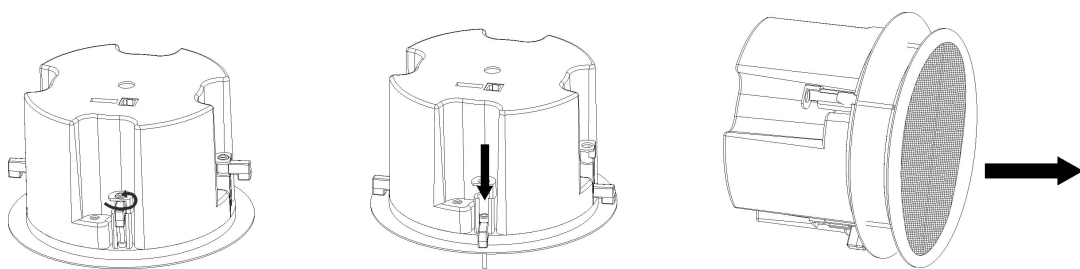
Press bolts down to close the speaker slot, and tighten the screw of the bolt.

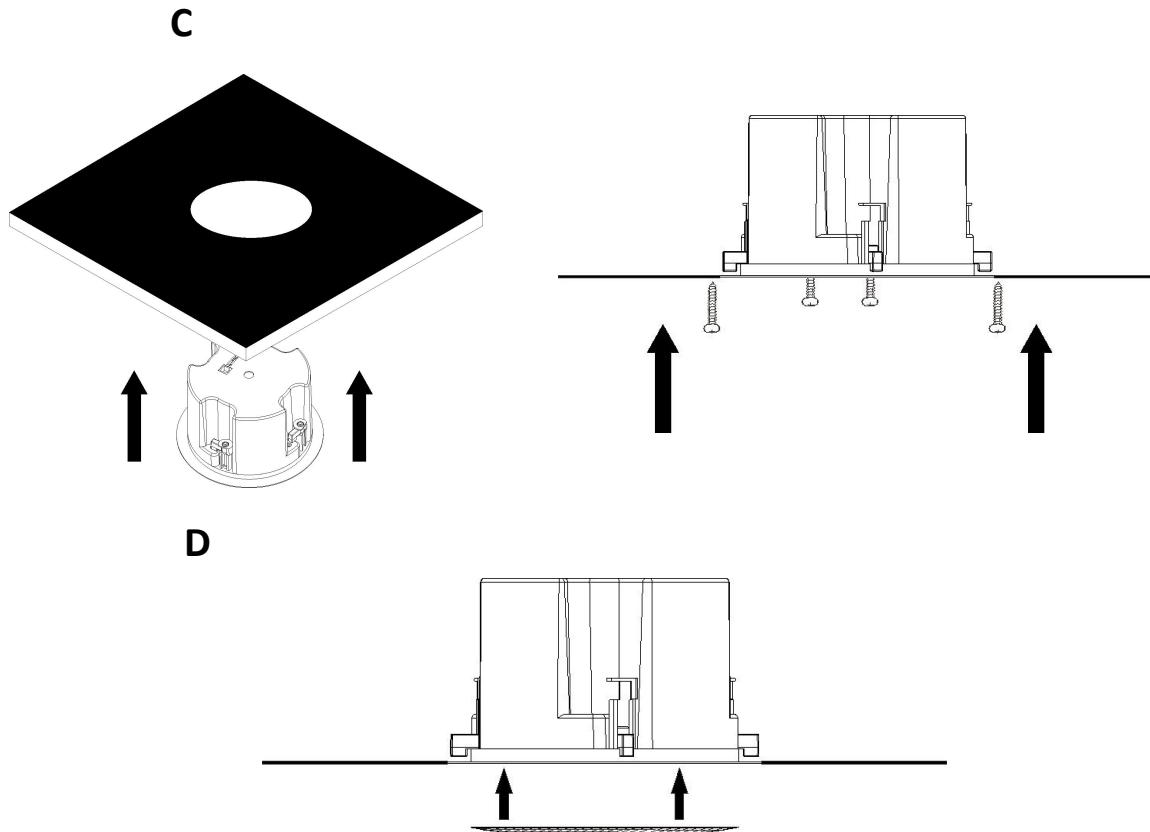
D、 Install the speaker net cover and the installation is complete.

**A**



**B**





Step 2. Connect peripherals

If you need to connect other input and output devices, please connect to the host through the cable.

Step 3. Power on the device, If it works normally, the installation is complete.

#### ④ Searching IP address

The default WAN mode is DHCP, Querying the IP address with the IP Scanner:

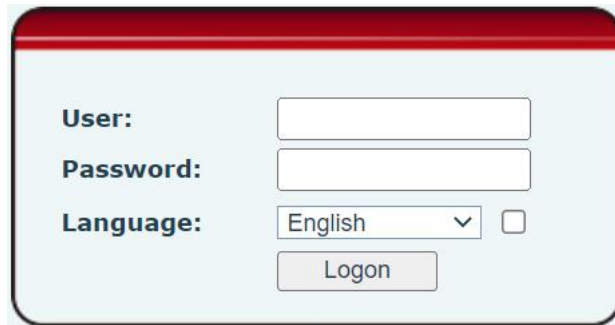


## ⑤ IP Ceiling Speaker setting

Step 1: Log in the web setting page of ceiling speaker

Input IP address of indoor station (e.g. http:// 172.18.35.7) into the address bar of PC' s web browser.

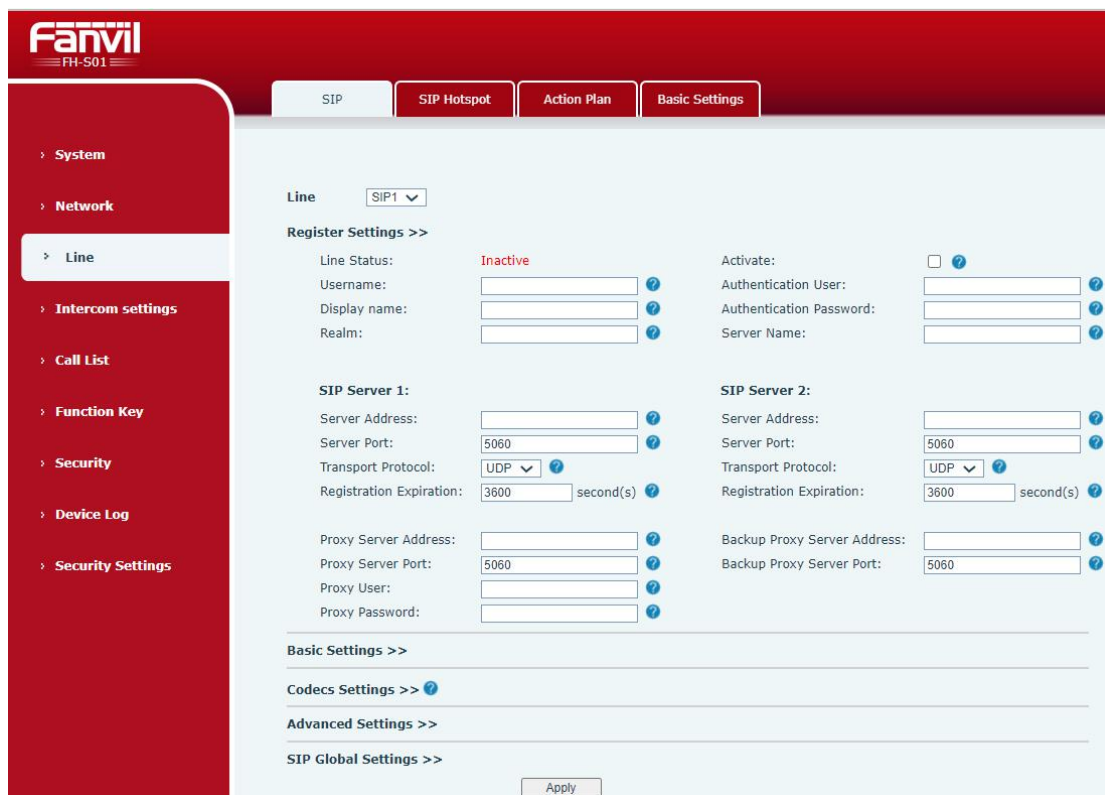
The default user name and password are both admin.



The login form is contained within a light blue rounded rectangle with a red header bar. It features three input fields: 'User:' and 'Password:' are text boxes, and 'Language:' is a dropdown menu currently set to 'English'. To the right of the language dropdown is a small square checkbox. Below these fields is a 'Logon' button.

Step 2: Add the SIP account

Set SIP server address, port, user name, password and SIP user with assigned SIP account parameters. Select “Activate” , and then click Apply to save this setting.



The screenshot shows the Fanvil web interface for an FH-501 device. The top navigation bar includes 'SIP', 'SIP Hotspot', 'Action Plan', and 'Basic Settings'. A left sidebar lists various settings categories: System, Network, Line (selected), Intercom settings, Call List, Function Key, Security, Device Log, and Security Settings. The main content area is titled 'Line' and shows 'SIP1' selected. Under 'Register Settings >>', the 'Line Status' is 'Inactive'. There are fields for 'Username', 'Display name', and 'Realm'. To the right, there is an 'Activate' checkbox (unchecked) and fields for 'Authentication User', 'Authentication Password', and 'Server Name'. Below this, there are two columns for 'SIP Server 1' and 'SIP Server 2', each with fields for 'Server Address', 'Server Port' (set to 5060), 'Transport Protocol' (set to UDP), and 'Registration Expiration' (set to 3600 seconds). At the bottom of these settings are fields for 'Proxy Server Address', 'Proxy Server Port' (5060), 'Proxy User', and 'Proxy Password', along with 'Backup Proxy Server Address' and 'Backup Proxy Server Port' (5060). Further down are sections for 'Basic Settings >>', 'Codecs Settings >>', 'Advanced Settings >>', and 'SIP Global Settings >>'. An 'Apply' button is located at the bottom center.

### Step 3: Feature Setting

**Media Settings**

**Basic Settings >>**

Enable Call Waiting:  ?

Enable Auto on Hook:  ?

Enable Silent Mode:  ?

Ban Outgoing:  ?

Default Ans Mode: Video ?

Enable Restricted Incoming List:  ?

Enable Restricted Outgoing List:  ?

Country Code:

Allow IP Call:  ?

Restrict Active URI Source IP:  ?

Line Display Format: xxx@SIPr ?

Call Number Filter:

Limit Talking Duration:  ?

No Answer Auto HangUp Timeout: 120 (1~3600)second(s) ?

Ring Timeout: 120 (1~3600)second(s) ?

Enable Tamper Alarm: Enable Tamper Alarm ?

Auto HangUp Delay: 3 (0~30)second(s) ?

Disable Mute for Ring:  ?

Default Dial Mode: Video ?

Enable Country Code:

Area Code:

P2P IP Prefix:

Push XML Server:  ?

Auto Resume Current:  ?

Talking Duration: 120 (20~600)second(s)

Enable Push XML Auth:  ?

Description: IP Paging Gateway

**Tone Settings >>**

**Intercom Settings >>**

**Response Code Settings >>**

Apply

### Step 4: Security Settings

If you need to connect other input and output devices, please set the Input and Output setting in the Security Settings:

**Security Settings**

**Basic Settings**

Ringtone Duration: 5 (1~600)s

Input & Tamper Server Address:  \*

Message: Alarm\_Info:Description=\$model;SIP User=\$active\_user;Mac=\$mac;IP=\$ip;port=\$trigge

Apply

**Input Settings >>**

Input:

Triggered By: Low Level Trigger(Close Trigger)

Input Duration: 0 (0~3600)s

Triggered Action:  Send SMS Dss Key: None

Triggered Ringtone: None

Apply

**Output Settings >>**

**Tamper Alarm Settings >>**

**Tamper Alarm Reset**

Reset Alarm Status

