

## **A233**

### **SIP Horn Speaker Quick Installation Guide**



## ① Package Contents



A233 horn speaker



Screw and tool

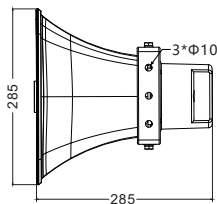
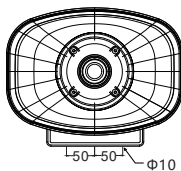
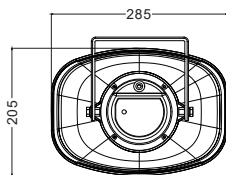


Quick Installation  
Guide

## ② Physical Specification

|                  |                      |
|------------------|----------------------|
| Size Description | <b>285*205*285mm</b> |
|------------------|----------------------|

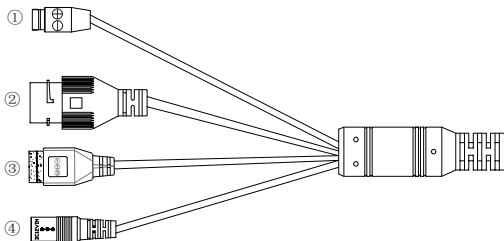
### 1) Three-view drawings



U-shaped bracket

Wiring harness

## 2) Wiring harness



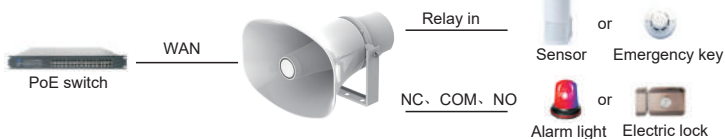
| Serial number | Description                                                                                                                                                             | Interface                                                                                            |
|---------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| ①             | <b>The short circuit input interface:</b> input devices for connecting switches, infrared sensor, door sensor, vibration sensors etc.                                   |  ⊕S1<br>○GND        |
| ②             | <b>Ethernet interface:</b> standard RJ45 interface, 10/100M adaptive, support PoE powered, it is recommended to use CAT5 or CAT5E network cable.                        |                     |
| ③             | <b>The short circuit output interface:</b> corresponding to the short-circuit input interface, login device web page settings, can be connected to electric locks, etc. |  ①NO<br>②COM<br>③NC |
| ④             | <b>Power interface:</b> DC 24V/2A input.                                                                                                                                |                     |

## 3) External device connection diagram

### Model 1: DC Power



### Model 2: PoE





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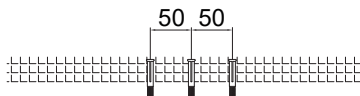
Tel: +86-755-2640-2199    Fax: +86-755-2640-2618

Add: 10/F Block A, Dualshine Global Science Innovation Center, Honglang North 2nd Road, Bao'an District, Shenzhen, China

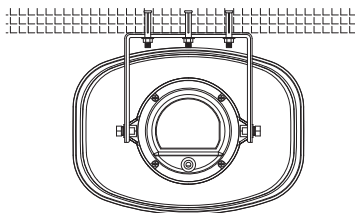
### 3 Installation Diagram

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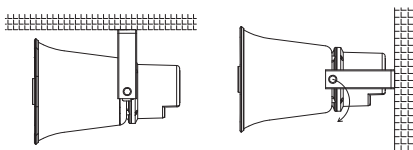
A. Drill three mounting holes suitable for M10 expansion bolts on the wall first, and the distance between the holes is 50mm. Then install the M10 expansion bolts.



B. Align the holes on the product bracket with the pre-drilled bolts on the wall, screw on the M10 nuts, and fix the product to the wall.



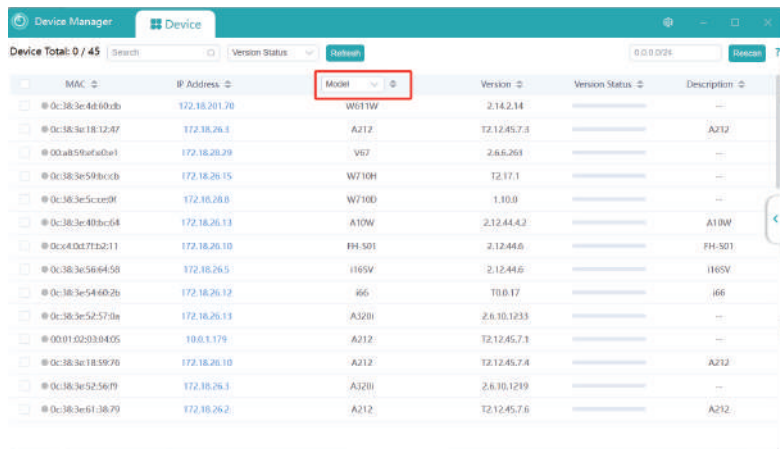
C. Then adjust the required angle of the loudspeaker.



D. 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 Device Manager:



Device Manager

Device Total: 0 / 45

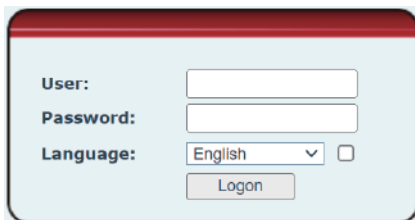
Search: [ ] Version Status: [ ] Refresh [ ] 0.0.0.0/24 [ ] Reset [ ? ]

| MAC               | IP Address    | Model  | Version      | Version Status | Description |
|-------------------|---------------|--------|--------------|----------------|-------------|
| 0c:38:3e:4d:6d:db | 172.18.201.70 | W611W  | 2.14.2.14    |                |             |
| 0c:38:3e:18:12:A7 | 172.18.26.1   | A212   | T2.12.45.7.3 |                | A212        |
| 00a859afa0a1      | 172.18.20.29  | V67    | 2.6.6.261    |                |             |
| 0c:38:3e:59:b0:cb | 172.18.26.15  | W710H  | T2.17.1      |                |             |
| 0c:38:3e:5c:e9:9f | 172.18.28.8   | W710D  | 1.10.0       |                |             |
| 0c:38:3e:40:bc:64 | 172.18.26.13  | A10W   | 2.12.44.4.2  |                | A10W        |
| 0cx40d71b2:11     | 172.18.26.10  | FH-501 | 2.12.44.6    |                | FH-501      |
| 0c:38:3e:58:64:58 | 172.18.26.5   | i16SV  | 2.12.44.6    |                | i16SV       |
| 0c:38:3e:54:60:2b | 172.18.26.12  | i66    | T0.0.17      |                | i66         |
| 0c:38:3e:52:57:3e | 172.18.26.11  | A320i  | 2.6.10.1233  |                |             |
| 0001:0203:04:05   | 10.0.1.179    | A212   | T2.12.45.7.1 |                |             |
| 0c:38:3e:18:59:76 | 172.18.26.10  | A212   | T2.12.45.7.4 |                | A212        |
| 0c:38:3e:52:56:f9 | 172.18.26.1   | A320i  | 2.6.10.1219  |                |             |
| 0c:38:3e:61:38:79 | 172.18.26.2   | A212   | T2.12.45.7.6 |                | A212        |

## 5 Horn Speaker Settings

Step 1: Log in the web setting page of horn speaker  
Input IP address of indoor station (e.g. [http:// 172.18.26.3](http://172.18.26.3)) into the address bar of PC's web browser.

The default user name and password are both admin.



User: [ ]

Password: [ ]

Language: English [v] [ ]

Logon [ ]

## 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 with the 'SIP' tab selected. The left sidebar contains a navigation menu with options: System, Network, Line, Device settings, Call List, Function Key, Security, Device Log, Security Settings, and Platform Access. The 'Line' section is expanded, showing 'Line: SIP'. The main content area is titled 'Registrar Settings >>' and contains the following fields:

- Line Status:** Dropdown menu set to 'Inactive'.
- Username:** Text input field.
- Display name:** Text input field.
- Realm:** Text input field.
- SIP Server 1:**
  - Server Address: Text input field.
  - Server Port: Text input field set to '5060'.
  - Transport Protocol: Dropdown menu set to 'UDP'.
  - Registration Expiration: Text input field set to '3600' seconds.
- SIP Server 2:**
  - Server Address: Text input field.
  - Server Port: Text input field set to '5060'.
  - Transport Protocol: Dropdown menu set to 'UDP'.
  - Registration Expiration: Text input field set to '3600' seconds.
- Proxy Server Address:** Text input field.
- Proxy Server Port:** Text input field set to '5060'.
- Proxy User:** Text input field.
- Proxy Password:** Text input field.
- Backup Proxy Server Address:** Text input field.
- Backup Proxy Server Port:** Text input field set to '5060'.

Below the Registrar Settings are sections for 'Basic Settings >>' and 'Codecs Settings >>'. A 'NOTE' box on the right states: 'Description: It shows phone registration account settings and sip account enhanced settings.'

## Step 3: Device Settings

The screenshot shows the Fanvil web interface with the 'Device settings' tab selected. The left sidebar contains a navigation menu with options: System, Network, Line, Device settings, Call List, Function Key, Security, Device Log, Security Settings, and Platform Access. The 'Device settings' section is expanded, showing 'Basic Settings >>'. The main content area contains the following fields:

- Enable Call Waiting:** Checkmark.
- Enable Auto on Hook:** Checkmark.
- Auto HangUp Time:** Text input field set to '10-30 (seconds/s)'. Below it is a field for 'Auto HangUp Delay' set to '1'.
- Enable Silent Mode:** Checkmark.
- Bar Outgoing:** Checkmark.
- Default Area Mode:** Dropdown menu set to 'Voice'.
- Enable Call Log:** Checkmark.
- Enable Handset Incoming List:** Checkmark.
- Enable Handset Outgoing List:** Checkmark.
- Country Code:** Text input field.
- Default Dial Mode:** Dropdown menu set to 'Voice'.
- Enable Country Code:** Checkmark.
- Area Code:** Text input field.
- Allow IP Call:** Checkmark.
- Caller Name Priority:** Dropdown menu set to 'Local/Contact Name/Contact SIP Display Name'.
- Search path:** Text input field set to 'SIP'.
- Maximum Active URI Source IP:** Text input field set to '255.255.255.255'.
- Line Display Format:** Text input field set to '255.255.255.255'.
- Block XPN, When Call:** Checkmark.
- PGP IP Prefix:** Text input field.
- LDAP Search:** Text input field.
- Push XPN Server:** Text input field.
- SIP Notify:** Checkmark.

A 'NOTE' box on the right states: 'Description: Function settings, set the phone functions including the basic settings, some basic SIP settings, main settings, model set the corresponding settings, password settings, power log settings.'

## 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:

The screenshot shows the 'Security Settings' page for a Fanvil A233 device. The 'Basic Settings' tab is active. The interface includes a sidebar with navigation options: System, Network, Line, Device Settings, Call List, Function Key, Security, Device Log, Security Settings (selected), and Platform Access. The main content area has a top bar with the text 'Default password is in use. Please change' and a 'Logout' button. Below this, the 'Basic Settings' section contains fields for 'Ringtone Duration' (set to 30s), 'Input & Transfer Server Address' (set to 192.168.1.100), and 'Messages' (set to Alarm\_rpts, Oneshot, Knock SIP User, Active, user, Mac, Sma, SIP, Sip, port, Ring). There are two 'Apply' buttons. The 'Input Settings >>' section has two input settings. Each has a 'Triggered By' dropdown (set to Low Level Trigger/Click Trigger), a 'Triggered Action' dropdown (set to Send SMS), a 'Dtmf Key' dropdown (set to None), an 'Input Duration' field (set to 0:00-09:00-3600s), and a 'Triggered Ringtone' dropdown (set to None). The 'Output Settings >>' and 'New Alarm Settings >>' sections are also visible but empty.

The screenshot shows the 'Security Settings' page for a Fanvil A233 device, with the 'Output Settings >>' tab selected. The sidebar is the same as the previous screenshot. The main content area has a top bar with the text 'Default password is in use. Please change' and a 'Logout' button. Below this, the 'Output Settings >>' section contains fields for 'Triggered By DTMF Ringtone' (set to None), 'Triggered By URI Ringtone' (set to None), 'Triggered By SMS Ringtone' (set to None), and 'Triggered By Display Ringtone' (set to None). There are two 'Apply' buttons. The 'Output Settings >>' section has two output settings. Each has a 'Standard Status' dropdown (set to NC, Alarm), an 'Output Trigger Mode' dropdown (set to Trigger by DTMF), a 'Trigger by Active URI' checkbox (checked), a 'Trigger by SMS' checkbox (checked), a 'Trigger by Event' checkbox (checked), and a 'Trigger by Call State' checkbox (unchecked). The 'Enabled State' dropdown is set to Calling. The 'Trigger by Display' dropdown is set to None. The 'Output Settings >>' section also has a 'Ringtone Duration' field (set to 30s), a 'DTMF Trigger Code' field (set to 1234), a 'DTMF Reset Code' field (set to 4321), a 'Reset By' dropdown (set to My Device), a 'Trigger Message' field (set to OUT1\_RING), a 'Reset Message' field (set to OUT1\_RING), a 'Reset Message' field (set to ALERT+OUT1\_RING), and a 'Reset Message' field (set to ALERT+OUT1\_RING).

This device complies with Part 15 of FCC Rules.

Operation is subject to the following two conditions:

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