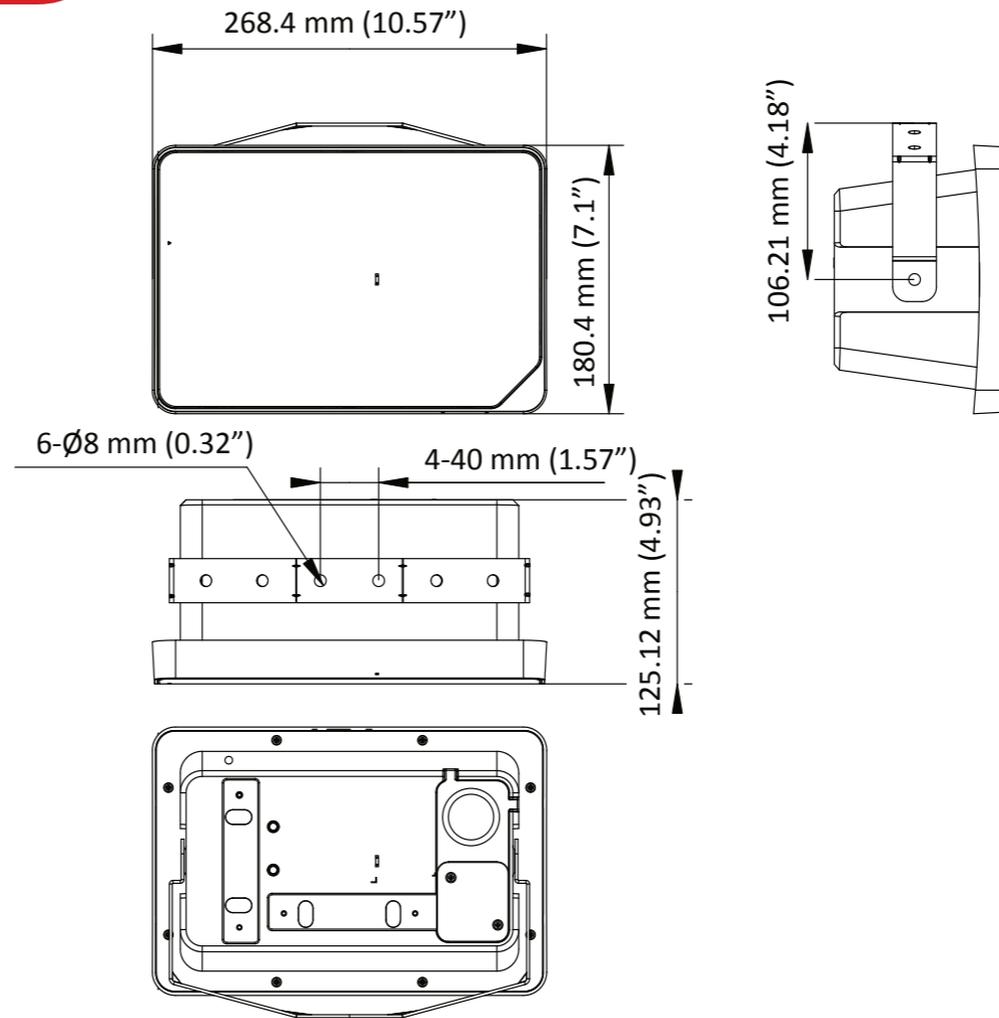


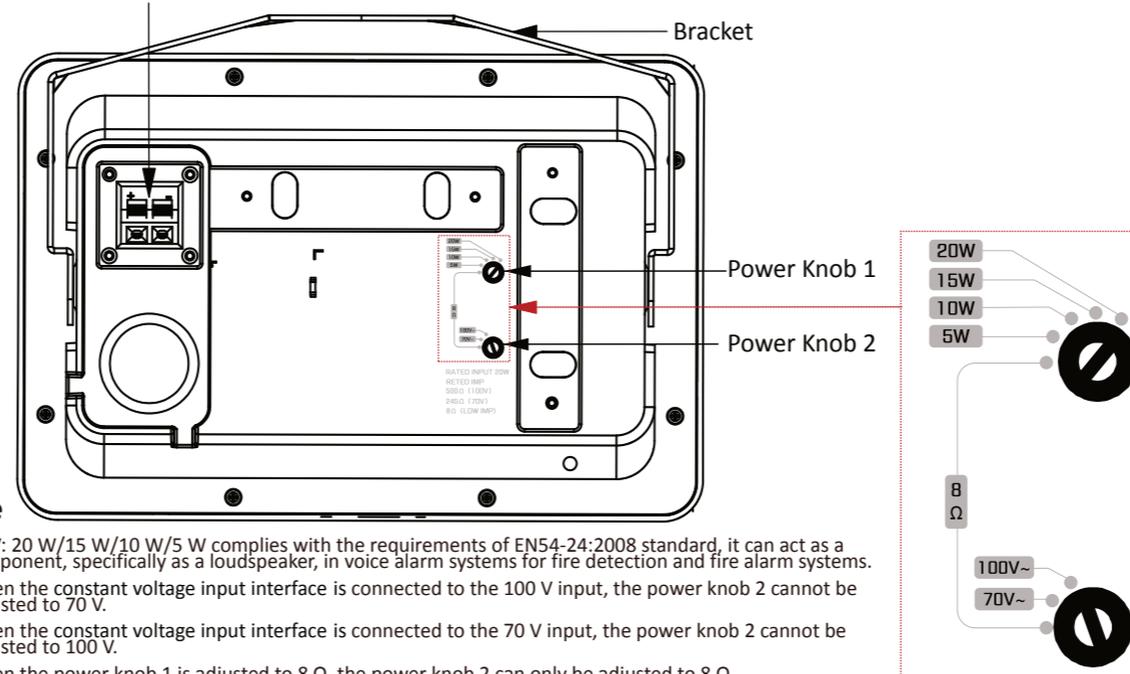
1 Appearance and Interface

Dimensions



Bottom Interfaces

Constant Voltage Input Interface



Rotate the power knob 1 and the power knob 2 to the corresponding silk-screened value.

Constant Impedance	Power Knob 1&2: 8 Ω
Constant Voltage	Power Knob 2: 100 V, Power Knob 1: 20 W
	Power Knob 2: 100 V, Power Knob 1: 15 W
	Power Knob 2: 100 V, Power Knob 1: 10 W
	Power Knob 2: 100 V, Power Knob 1: 5 W
	Power Knob 2: 70 V, Power Knob 1: 20 W
	Power Knob 2: 70 V, Power Knob 1: 15 W
	Power Knob 2: 70 V, Power Knob 1: 10 W
	Power Knob 2: 70 V, Power Knob 1: 5 W

Note

- 70 V: 20 W/15 W/10 W/5 W complies with the requirements of EN54-24:2008 standard, it can act as a component, specifically as a loudspeaker, in voice alarm systems for fire detection and fire alarm systems.
- When the constant voltage input interface is connected to the 100 V input, the power knob 2 cannot be adjusted to 70 V.
- When the constant voltage input interface is connected to the 70 V input, the power knob 2 cannot be adjusted to 100 V.
- When the power knob 1 is adjusted to 8 Ω, the power knob 2 can only be adjusted to 8 Ω.
- When the power knob 2 is adjusted to 8 Ω, the power knob 1 can only be adjusted to 8 Ω.



Analog Cabinet Speaker

Quick Start Guide

UD36270B-A

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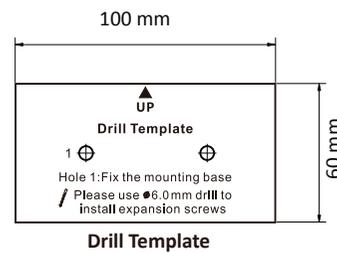
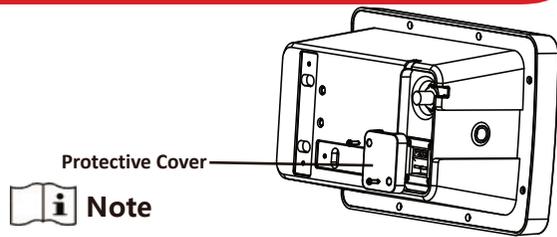
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2 Preparation Before Installation

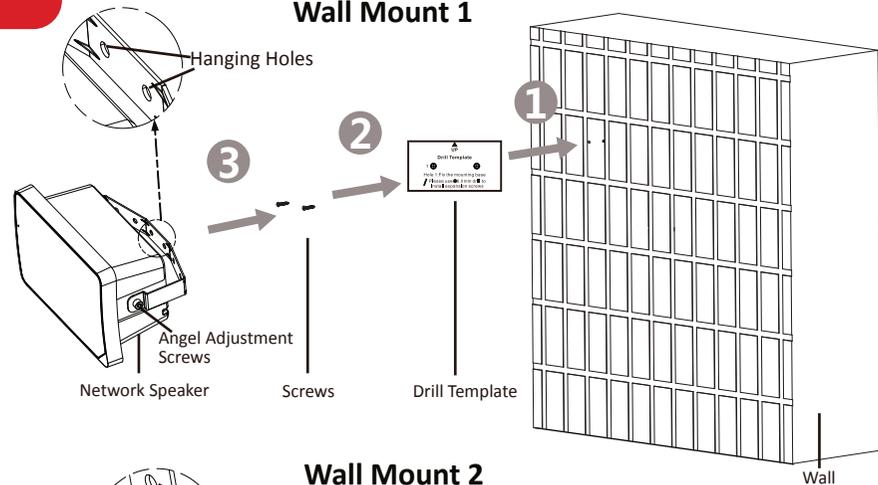


Note

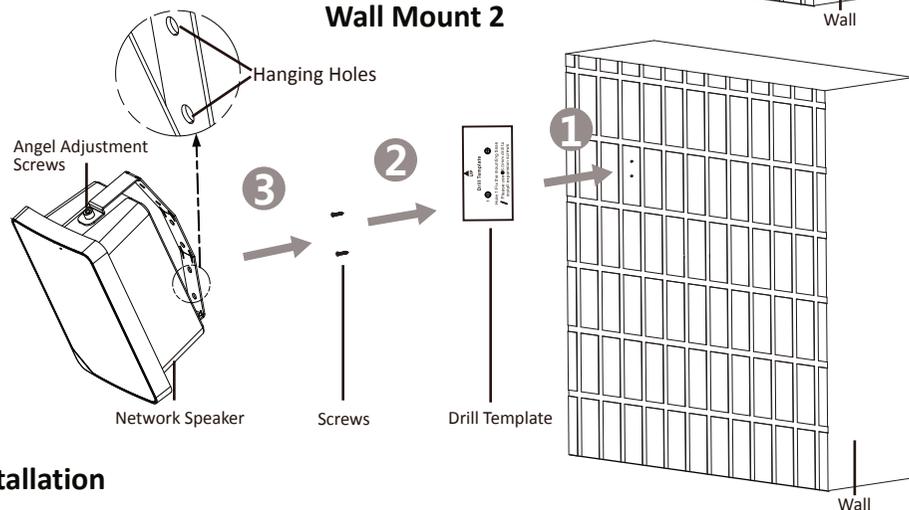
- Loosen 2 screws to remove the protective cover from the constant voltage input interface.
- A drill template is required for device installation. It is recommended to install the device at a distance of 3.24 m~6.24 m from the ground and ≥ 0.69 m from the ceiling.
- Connect the analog speaker to amplifier by constant voltage input interface. See Chapter 1 for detailed information.

3 Installation

Wall Mount 1



Wall Mount 2



Installation

- 1 Stick the drill template to the wall according to actual installation needs.
- 2 Drill holes according to the screw holes of the template, and insert the expansion screws into the holes.
- 3 Fix the two screws in the screw holes and leave a 7 mm gap between the screws and the wall.
- 4 Hang the device stably on the wall by aligning the hanging holes of the device with the screws to complete the installation.
- 5 Connect the speaker to an amplifier with a rated power of 20 W or more. When the amplifier is powered on and has an audio source input, the speaker will output sound.

Note

It is recommended to verify the device functions once every month: connect the speaker to an amplifier with a rated power of 20 W or more. Power on the amplifier and connect it to the audio source. If the speaker can output sound normally, it indicates that the function is working properly.

Angel Adjustment

- Loosen the angle adjustment screws on both sides of the device.
- Adjust the angle as needed.
- Retighten the angle adjustment screws.

4 Safety Instruction

Warning

- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region.
- If the device supports wall mounting, the mounting surface shall be able to withstand the additional force of three times the weight of the device but not less than 50 N. The device and its associated mounting means shall remain secure during the installation. After the installation, the device, including any associated mounting plate, shall not be damaged. Refer to datasheet for details.
- If the device is intended to be moved or used in a certain direction, keep the required direction when moving or using the device. Refer to datasheet for details.
- CAUTION: If the device needs to be installed with a specific bracket of our company, use the corresponding bracket only. Use others (such as carts, stands, and carriers) may result in instability and cause injury. Refer to the device datasheet for bracket model details. Refer to datasheet for details.
- For the device with sound playing function, to prevent possible hearing damage, do not listen at high volume levels for long periods. Refer to the datasheet for details.
- Refer to the device label for the standard power supply. Please make sure your power supply matches with your device.
- Make sure that the power has been disconnected before you wire, install, or disassemble the device.
- To avoid heat accumulation, good ventilation is required for a proper operating environment.
- If smoke, odor, or noise arises from the device, immediately turn off the power, unplug the power cable, and contact the service center.
- If the product does not work properly, please contact your dealer or the nearest service center. Never attempt to disassemble the product yourself. We shall not assume any responsibility for problems caused by unauthorized repair or maintenance.

Caution

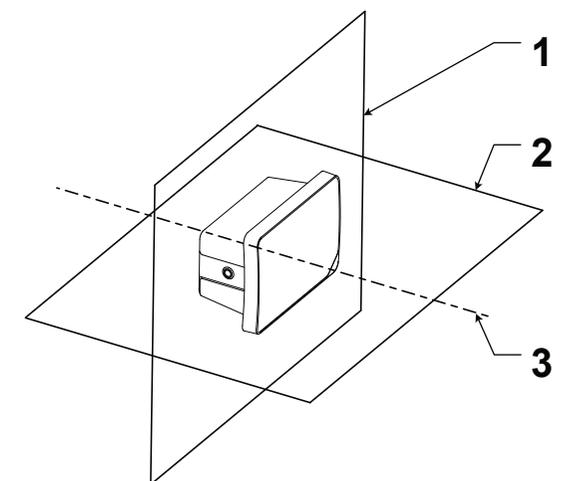
- For the battery with + and - signs, + identifies the positive terminals of the device which is used with or generates direct current, and - identifies the negative terminals of the device which is used with or generates direct current.
- No naked flame sources, such as lighted candles, should be placed on the equipment.
- If the serial port of the device is used for debugging only, it is reserved only for professionals or technical support for device maintenance. Refer to the document for details.
- Attach the device properly to the floor/wall in accordance with the installation instructions to prevent injury. Refer to the document for details.
- DO NOT drop the product or subject it to physical shock. Do not install the product on vibratory surface or places.
- DO NOT expose the device to high electromagnetic radiation.
- DO NOT expose the device to extremely hot, cold, dusty, corrosive, saline-alkali, or damp environments. For temperature and humidity requirements, refer to the datasheet for details.
- DO NOT install indoor product where it may get wet by water or other liquid.
- To avoid fire hazard or electric shock, DO NOT expose the device to rain or extremely damp environments.
- Accessing to the Internet may cause network security problems. Please strengthen the protection of your personal information and data security. When you find that the device may have network security risks, please contact us in time.
- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- Keep all wrappers after unpacking them for future use. In case of any failure occurred, you need to return the device to the factory with the original wrapper. Transportation without the original wrapper may result in damage on the device and the company shall not take any responsibilities.
- If a power adapter is provided in the device package, use the provided adapter only. If no power adapter is provided, ensure the power adapter or other power supply complies with Limited Power Source. Refer to the product label for the power supply output parameters.

Note

- This installation should be made by a qualified service person and should conform to all the local codes.

5 Reference Axis, Reference Plane and Horizontal Plane

1. reference plane
2. horizontal plane
3. reference axis

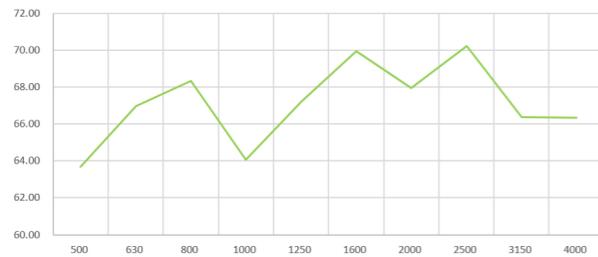


6 Frequency Response Curve

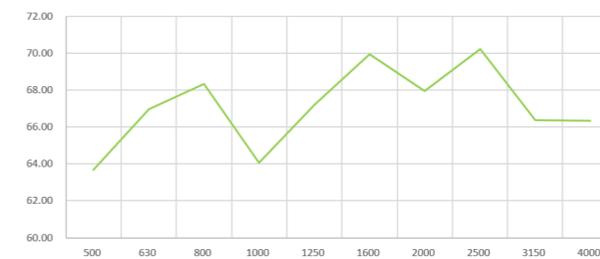
Note

All parameters are based on the reference axis and reference plane.

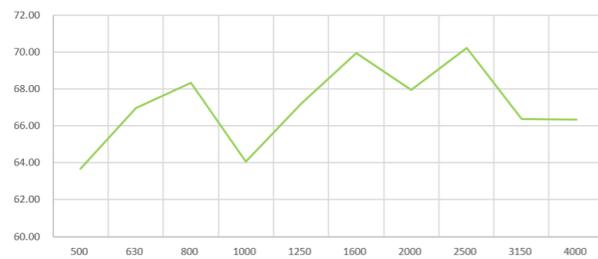
Constant Voltage (70 V, 20 W)



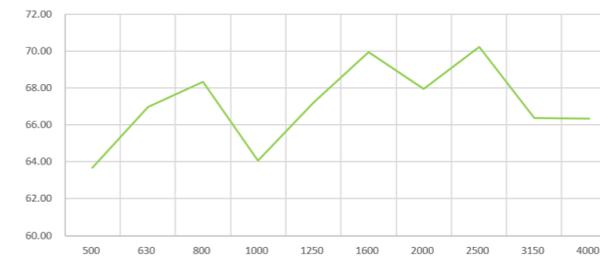
Constant Voltage (70 V, 15 W)



Constant Voltage (70 V, 10 W)



Constant Voltage (70 V, 5 W)



7 Specification

Note

All parameters are based on the reference axis and reference plane.

Test environment:		70 V 20 W	70 V 15 W	70 V 10 W	70 V 5 W
A free-field environment with a standard baffle.					
Sensitivity (dB SPL)	Pink Noise (100Hz to 10 kHz)	79.58	79.82	79.47	79.73
Max. Acoustic Pressure (dB SPL)	Pink Noise (100Hz to 10 kHz)	89.85	89.1	87.77	85.09
Rated Noise Voltage		70 V			
Rated Noise Power		20 W	15 W	10 W	5 W
Rated Impedance		244 Ω	325 Ω	487 Ω	770 Ω
Horizontal Coverage Angle (°)	500 Hz	70° (±3°): left: 31°, right: 39°			
	1 kHz	121° (±3°): left: 60°, right: 61°			
	2 kHz	106° (±3°): left: 51°, right: 55°			
	4 kHz	86° (±3°): left: 43°, right: 43°			
Vertical Coverage Angle (°)	500 Hz	75° (±3°): up: 36°, down: 39°			
	1 kHz	>180° (±3°): up: >90°, down: >90°			
	2 kHz	130° (±3°): up: 65°, down: 65°			
	4 kHz	103° (±3°): up: 47°, down: 56°			

General	
Material	Main body&Front cover : plastic, bracket: metal
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Operating Humidity	< 90% (No condensation)
Dimension	268.4 mm × 180.4 mm × 125.12 mm (10.57" × 7.1" × 4.93")
Package Dimension	340 mm × 306 mm × 180 mm (13.39" × 12.05" × 7.09")
Weight	Approx. 1.5 kg (3.3 lb.)
With Package Weight	Approx. 2 kg (4.4 lb.)
Color	White
Packing List	Device × 1 U-shaped bracket × 1 Screw pack × 1 Installation sticker × 1 Regulatory Compliance and Safety Information × 1

Note

70 V: 20 W/15 W/10 W/5 W complies with the requirements of EN54-24:2008 standard, it can act as a component, specifically as a loudspeaker, in voice alarm systems for fire detection and fire alarm systems.