

**Akuvox Smart Intercom** Wall-mounting Installation Quick Guide **R25A**

**Before You Start**

**Tools needed**

• Call Adapter Cable  
• Crimped Screws  
• Screw Driver

**Voltage and Current Specifications**

It is suggested that use PoE or 12VDC 1A power adapter to power on device.

**AWG Sizes and Properties Table**

Please follow the property wire data to install device:

Power Supply	12VDC 1A		
AWG	20	22	24
Resistance (ohm/ft)	33.9	46.5	79.6
Cross-sectional Area (mm²)	0.5289	0.3287	0.2047
Wire Length (m)	≤30	≤40	≤20

**Requirements**

- Place the device away from sunlight and light sources to prevent potential damage.
- Do not place the device in the high-temperature and humid environments or surroundings generated by magnetic field.
- Install the device on the flat surface securely to avoid potential fire and property loss caused by device falling.
- Do not use or place the device near heating objects.
- After installing the device indoors, please keep device at least 2 meters away from light, and at least 3 meters away from window and door.

**Warning!**

- Ensure safety, avoid touching power cord, power adapter, and device with wet hands, bending or pulling the power cord, damaging any components, and use only qualified power adapter and power cord.
- Be careful that standing up on the area under the device in case of personal injuries caused by falling the device.

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**Caution**

- Do not touch device with hand directly.
- Do not press cover hard on the device screen.
- Do not expose device to chemical products, such as alcohol, acid liquid, disinfectants, and so on.
- To prevent the device installation from becoming loose, ensure accurate dimensions and depth of screw holes. If the screw holes are too large, use glue to secure the screws.
- Do not set fire, blow, tear the surface directly, and then wipe the surface with dry cloth for cleaning the device. If there is abnormal situation of the device, including uncommon sound and smell, please power off the device and contact Akuvox Technical Team immediately.

**Device Wiring**

**Warning!**

When you connect a device containing a coil, such as a relay or an electromagnetic lock, it is necessary to protect the intercom against voltage peak while switching off the induction load in the way of protection by connecting a diode 1A/1000V (included in the accessories) connected in parallel to the device.

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**Installation**

**Step 1: Wall-mounting Bracket Installation**

**1.1. With an electrical junction box in the wall**

**1.1.1. With an 86x86 mm junction box**

**1.2. Without an electrical junction box in the wall**

**Step 2: Main Unit Installation**

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**Unpacking**

Before using the device, check the device model and ensure that the shipped box includes the following items:

**Wall-mounting Accessories:**

**Product Overview**

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Make wires go through the wiring cover and connect them to the corresponding (for details, refer to "Wiring Box" for).

a. Fasten the wiring cover with four M2.5x6 crosshead screws.  
b. Fix four wall-mounting screws on the back of R25A.

a. Select a suitable rubber plug to set on the wires.  
b. Fix sealing pressing plate to the wiring cover with two M2.5x6 crosshead screws.

a. Insert the four wall-mounting screws on the device into the corresponding holes on the wall-mounting bracket.  
b. Press down to slide the wall-mounting screws into the groove.  
c. Use the Allen wrench to tighten the device with two M2x6 hex socket screws.

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**Application Network Topology**

**Device Test**

Please verify the device status after installation:

- Network:** Press and hold Call button to obtain IP address, network is working properly if the device announce IP address. If no IP address is obtained, LED will announce "IP:0.0.0.0".
- Intercom:** Press Call button to make a call. The call configuration is correct if the call is successful.
- Access Control:** Use pre-configured HF card to unlock door.

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**Device Test**

LED Status	Description	
Blue	Always on	Normal status
Red	Flashing	Calling
Green	Flashing	Offline
Green	Always on	Talking on a call
Green	Flashing	Receiving a call

**Note:** For more LED settings, please refer to R25A web: Intercom > LED Setting.

**Warranty**

Akuvox warranty does not cover intentional mechanical damage or destruction caused by improper installation. It is necessary to protect the intercom against voltage peak while switching off the induction load in the way of protection by connecting a diode 1A/1000V (included in the accessories) connected in parallel to the device.

**Get Help**

For help or more assistance, contact us at:

• <https://t.me/akuvox>

• [support@akuvox.com](mailto:support@akuvox.com)

Scan the QR code to get more videos, guides, and additional product information.

**Notice Information**

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**Unpacking**

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**Wall-mounting Accessories:**

**Product Overview**

旧底图单号	
底图总号	
日期	签名

**技术要求**

- 双面黑白印刷。
- 材质为120克双胶纸。
- 幅面尺寸520x180mm,4折,风琴折,折页后成品尺寸130x180mm。
- 产品要经设计确认方可量产。
- 物料需满足我司最新《GYL-3-6-Z-01有害物质识别及管理规范》中对有害物质减免(HSF)的管控要求。

更改标记	数量	更改单号	签名	日期
设计		仇佳慧		2024.08.28
审核		梁纪伟		2024.08.28
工艺				
标准化		刘晓菲		2024.08.28
批准		肖洪河		2024.08.28

**R25A akuvox快速安装指南(挂墙版)**

料号:YS20100001

TZ-SM-002827				版本
				V1.1
等级	标记	重量	比例	
/	/	/	/	
第 1 张		共 1 张		
睿云联(厦门)网络通讯技术有限公司				