

ZKTECO

**VK04-A50L
Affordable Analog
Video Intercom
System**



ZKTECO VK04-A50L Affordable Analog Video Intercom System User Guide

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ZKTECO VK04-A50L Affordable Analog Video Intercom System



Specifications:

- Screen: 4.3 TFT-LCD
- Camera: 1.0MP
- Resolution: 480*272
- Night Vision: Infrared night vision LED
- Power Supply: DC15V 1.2A
- Connection Wire: RVV4 wire
- Waterproof/Rainproof: Support
- Ringtones: 52
- View Angle: 90 degrees
- Monitoring Time: 90s
- Night Vision Sensitivity: 0.01 Lux
- Talking Time: 90s
- Night Vision Distance: 0.2 to 1.5M IR night vision
- Use Distance: 100M
- Operating Temperature: -30 to 60 degrees Celsius
- Installation: Wall mount (Indoor Monitor), Surface mount (Outdoor Station)
- Material: ABS plastic (Indoor Monitor), Aluminum alloy (Outdoor Station)

Product Usage Instructions

Product Structure

A. Indoor Monitor:

- Microphone
- Color LCD
- Mute button

- Volume adjustment for music & ringtone
- Monitor button
- Unlock button

B. Outdoor Station:

- Talk button
- Speaker
- Connection to outdoor station or next indoor monitor
- Color adjustment
- Brightness adjustment
- DC 15V power interface

Functions of Indoor Monitor:

A. Indoor Monitor Ringtone Setting:

- **Mute Setting:** Press the designated button to turn off the bell without affecting the image display. Press the button again to turn the bell back on.
- **Change Ringtone:** Access the ringtone settings by pressing specific buttons and cycle through available ringtones to select your desired ringtone.
- **Ringtone Volume Adjustment:** Adjust the volume of the ringtone by pressing specific buttons for two seconds at a time to increase or decrease the volume levels.

Wiring Diagram:

A. Connecting Indoor Monitors:

Indoor monitors should be connected in series, with a maximum of 4 screens. The CALL line (green line) is used for intercom communication. If only one indoor monitor is connected or intercom communication between screens is not needed, the CALL line is not required.

B. Outdoor Station Connection:

In combination with access control power supply wiring, ensure proper connection as per the provided diagram.

FAQ

- **Q: How many indoor monitors can be connected in series?**
 - A: A maximum of 4 indoor monitors can be connected in series.
- **Q: What is the function of the green CALL line?**
 - A: The green CALL line is used for intercom communication between indoor monitors.

Product Parameters

Project	Parameter	Project	Parameter
Screen	4.3 TFT-LCD	Camera	1.0MP
Resolution	480*272	Night Vision	Infrared night vision LED
Power Supply	DC15V 1.2A	Power Supply	From monitor supply
Power	Standby: ≤1W Operating: ≤10 W	Power	Standby: ≤2W Operating: ≤5 W
Connection Wire	RVV4 wire	Waterproof/Rainproof	Support
Ringtones	52	View Angle	80°
Monitoring Time	90s	Night Vision Sensitivity	0.01 Lux
Talking Time	90s	Night Vision Distance	0.2 to 1.5M IR night vision
Use Distance	≤100M	Operating Temperature	-30℃ to 60℃
Installation	Wall mount	Installation	Surface mount
Material	ABS plastic	Material	Aluminum alloy

Product Structure

A. Indoor Monitor

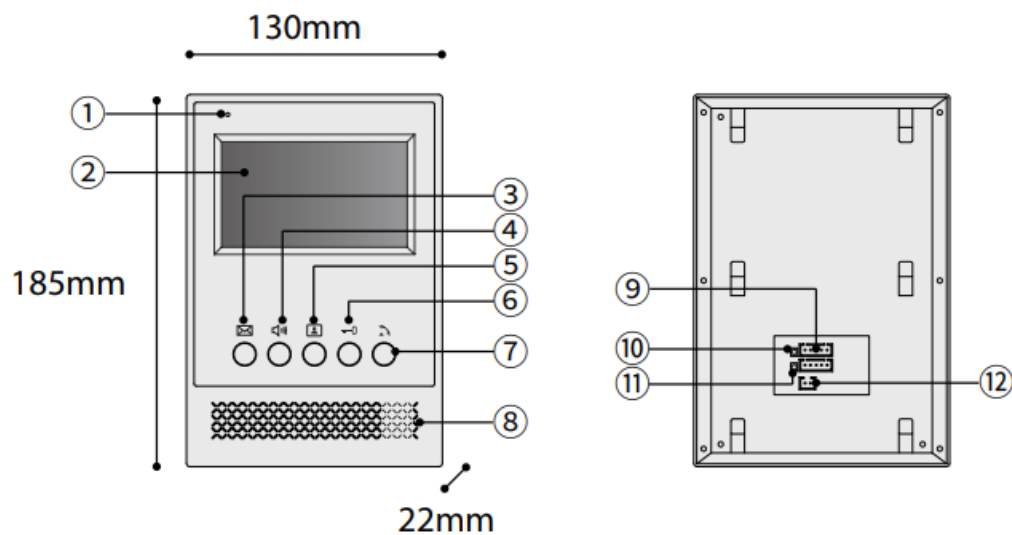


Figure 1

1. Microphone
2. Color LCD
3. Mute
4. Adjust the volume of music & replace the ring tone
5. Monitor
6. Unlock
7. Talk
8. Speaker

9. Connect to outdoor station or next indoor monitor
10. Adjust color
11. Adjust light brightness
12. DC 15V power interface

B. Outdoor Station

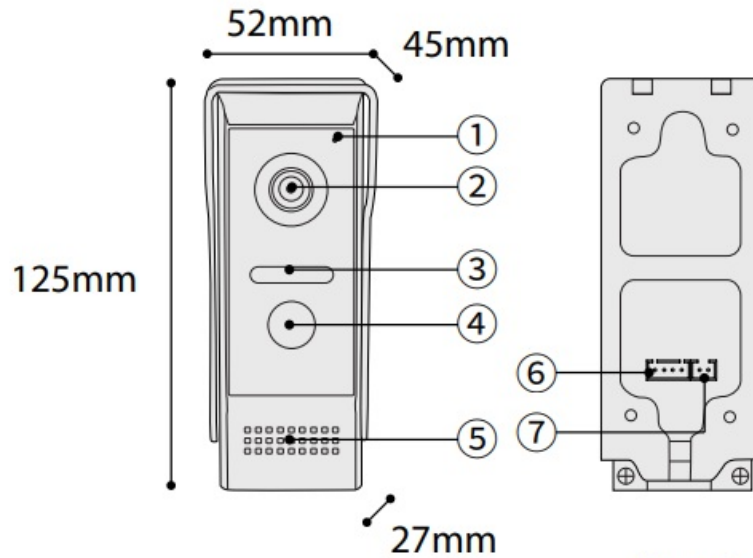






Figure 2

1. Microphone
2. Camera
3. Infrared night vision LED
4. Call button
5. Speaker
6. 4P indoor monitor connector socket
7. 2P port (Output 12V voltage signal)




Functions of Indoor Monitor

A. Indoor Monitor Ringtone Setting

a). Mute Setting




In standby mode, press the button “” to turn on the screen. Then press the button “” to turn off the bell without affecting the image display. If you need to turn the bell back on, press the button “” again while in monitor “” mode.

b). Change Ringtone

In standby mode, press the button “” to turn on the screen. Next, press the button “” to access the ringtone settings and enter the “Change Ringtone” menu. Press the button “” to cycle through the available ringtones. Once you’ve selected your desired ringtone, stop pressing the button. The ringtone selected last will be

used for system calls.


c). Ringtone Volume Adjustment

In standby mode, press the button “” to turn on the screen. Then press the button “” to set the ringtone settings and enter the “Ringtone Volume” menu. Press the button “” for two seconds at a time to progressively increase or decrease the volume. The volume has three levels: high, medium, and low.


Note:









Disturbance-free mode will be activated once the mute function is enabled. After the device is powered off, all ringtone settings will be restored to factory settings.

B. Instructions for Doorbell Operation

- a). When any visitor presses the call button on the outdoor station, the indoor monitor screen will display the outdoor image in real time and the bell will ring.
- b). The indoor user can press the button “” to talk with the visitor.

Note:

Talking will be enabled by pressing the button “” for the first time, and it will be disabled if the button is pressed again. The screen will be off automatically in 30 seconds if the calling is not answered.

- c). In the intercom mode, the indoor user can press the button “” to open the door.
- d). In the intercom mode, the indoor user can press the button “ ” to end the conversation, or the talking will automatically end after 90 seconds.
- e). If you need to resume talking after hanging up, first press the button “” and then press the button “” to continue the conversation with the visitor.
- f). Intercom between indoor and indoor monitor: When 1 outdoor station connects 2 or more indoor monitors (indoor monitors require RVV5 wire connection), press the button “” to call another indoor monitor. The bell will ring. To initiate the intercom, press the button “”. To suspend the call, press the button “”.
- g). When the indoor monitor displays no color, you can use a Phillips screwdriver to adjust the knob on the back of the indoor monitor (such as ).
- h). When the image on the indoor monitor appears dim, you can use a Phillips screwdriver to adjust the knob on the back of the indoor monitor (such as ).

Wiring Requirements

A . Extension Cable Parameter Requirements

- 1to30 Meter / RVV4*0.30
- 31to50 Meter / RVV4*0.50

- 51to100 Meter / RVV4*1.0

Colors and functions of wiring terminals

- Yellow — Video Blue — Audio
- Black — Ground wire Red — VCC
- Green— Intercom between the screens

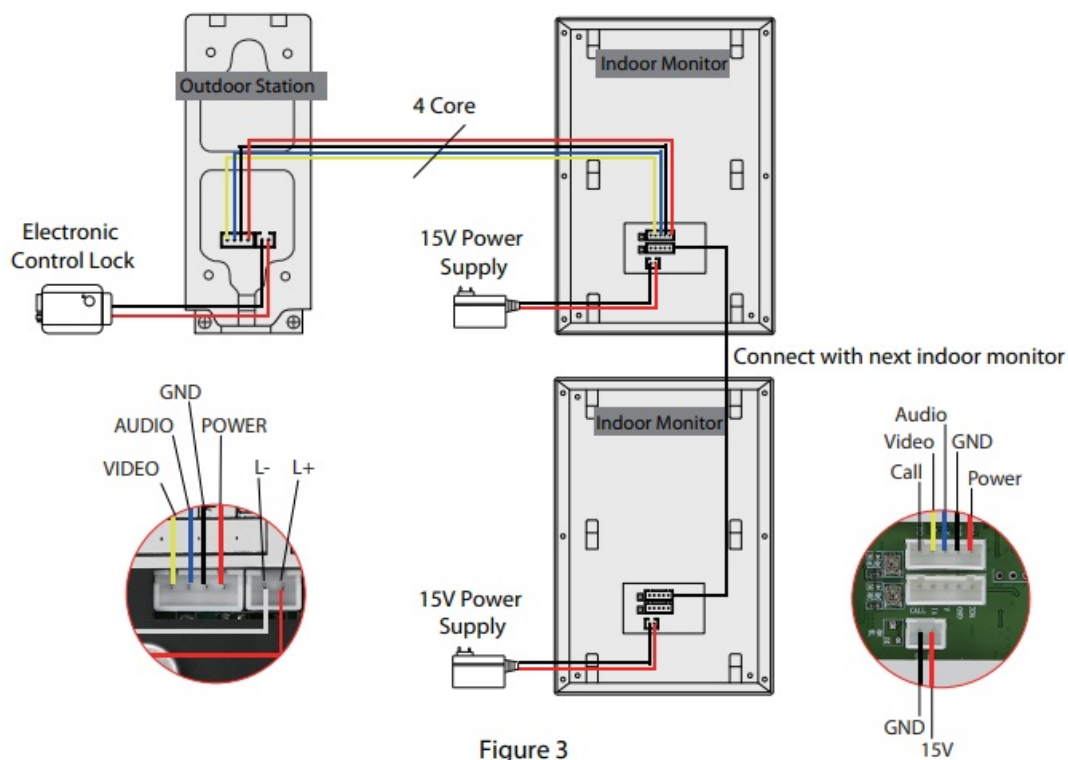
Note: If intercom functionality between the screens is not required, do not connect the call wiring.

Wiring Diagram

Note:

- A). Indoor monitors should be connected in series, with a maximum of 4 screens;
- B). The CALL line (green line) is used for intercom communication. If only one indoor monitor is connected or intercom communication between screens is not needed, the CALL line is not required.

A. 1 outdoor station connects with 2 indoor monitors



B. In combination with access control power supply wiring

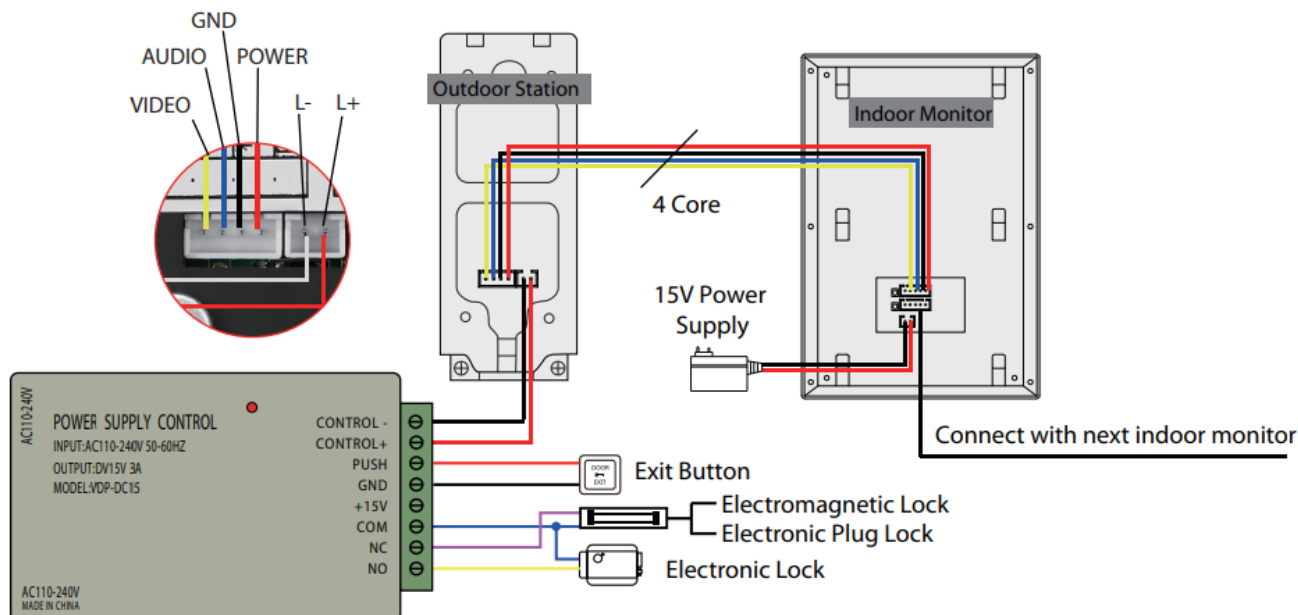
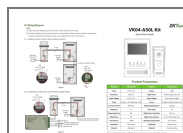


Figure 4

Documents / Resources



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VK04-A50L Affordable Analog Video Intercom System, VK04-A50L, Affordable Analog Video Intercom System, Analog Video Intercom System, Intercom System, System

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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