

Manuals.plus /

› [Alba Urmet](#) /

› [Alba Urmet M16-4C 4 Floor Entry Panel Door Lock Phone System User Manual](#)

Alba Urmet M16-4CN

Alba Urmet M16-4C 4 Floor Entry Panel Door Lock Phone System User Manual

Model: M16-4CN

Brand: Alba Urmet

1. PRODUCT OVERVIEW

The Alba Urmet M16-4C is a flush-mount, outdoor entry panel designed for multi-floor buildings, specifically for 4-floor applications. It features a brushed aluminum finish, a color video phone system with a wide-angle camera lens, and IR LEDs for enhanced night vision. The system provides clear two-way audio communication and includes four backlit name tag call buttons. Integrated RFID access control supports 8 user cards and 1 master card. The unit incorporates a built-in junction box and supports lock release output for electronic door locks.



Figure 1: Front view of the Alba Urmet M16-4C 4 Floor Entry Panel. This image displays the brushed aluminum finish, the camera lens at the top, four backlit call buttons, and the RFID reader area.

2. PACKAGE CONTENTS

Verify that all items listed below are present in the package before proceeding with installation.

- Alba Urmet M16-4C Entry Panel
- 12V Power Supply
- 8 Access Control Cards (User Cards)
- 1 Master Access Control Card
- Wall Bracket
- Mounting Screws and Anchors (typically included, though not explicitly listed)
- User Manual (this document)

3. SETUP AND INSTALLATION

Installation should be performed by a qualified technician. Ensure power is disconnected before beginning any wiring procedures.

3.1 Mounting the Entry Panel

1. **Select Location:** Choose a suitable outdoor location for flush mounting, ensuring it is protected from direct heavy rain and accessible for users. The recommended height for the camera is approximately 1.5 to 1.6 meters from the ground.
2. **Prepare Opening:** Create an opening in the wall according to the dimensions of the built-in junction box (refer to the product's detailed installation guide for precise measurements). The panel dimensions are approximately 265mm (H) x 128mm (W) x 55mm (D).
3. **Install Junction Box:** Securely install the built-in junction box into the prepared wall opening.

4. **Attach Wall Bracket:** Mount the provided wall bracket to the junction box or wall, ensuring it is level and secure.
5. **Connect Wiring:** Route all necessary wiring (power, video, audio, lock release, indoor monitor connections) through the junction box. Connect wires to the appropriate terminals on the back of the entry panel. Pay close attention to polarity and connection diagrams provided in the full wiring manual.
6. **Secure Panel:** Carefully insert the entry panel into the wall bracket and secure it using the provided screws. Ensure a flush fit.

3.2 Power Supply Connection

Connect the provided 12V power supply to the designated power input terminals on the entry panel. Ensure the power supply is connected to a stable power source.

3.3 Lock Release Output

The entry panel supports an electronic lock release output. Connect your electronic door lock to the designated lock release terminals on the panel. Consult the lock's manual for specific wiring requirements. The system provides a momentary contact closure to activate the lock.

3.4 RFID Access Control Setup

The system comes with built-in RFID access control. The master card is used to program and manage user cards.

1. Adding User Cards:

- Present the Master Card to the RFID reader on the panel. The panel will emit a confirmation tone.
- Within 5 seconds, present a new User Card to the RFID reader. The panel will emit another confirmation tone, indicating the card has been successfully added.
- Repeat for all 8 user cards.
- To exit programming mode, present the Master Card again or wait 5 seconds for it to time out.

2. Deleting User Cards:

- Present the Master Card to the RFID reader.
- Within 5 seconds, present the User Card you wish to delete. The panel will emit a different tone, confirming deletion.
- To delete all user cards, present the Master Card, then wait for 5 seconds, then present the Master Card again. This will clear all programmed user cards.

4. OPERATING INSTRUCTIONS

4.1 Making a Call

To call an apartment, press the corresponding backlit name tag call button on the entry panel. The indoor monitor will ring, and the resident can answer the call.

4.2 Two-Way Audio Communication

Once a call is answered from an indoor monitor, two-way audio communication is established. Speak clearly towards the panel's microphone, and listen for the resident's response through the panel's speaker.

4.3 Video Monitoring

The wide-angle camera lens provides a broad view of the entry area. During a call, the video feed will be

displayed on the indoor monitor. The IR LEDs automatically activate in low-light conditions, enabling night vision for clear visibility even in darkness.

4.4 Door Release

During an active call, the resident can press the door release button on their indoor monitor to activate the electronic lock, allowing entry.

4.5 RFID Access

To gain entry using an RFID card, present a programmed User Card to the RFID reader area on the panel. A confirmation tone will sound, and the electronic lock will momentarily release, allowing the door to be opened.

5. MAINTENANCE

- **Cleaning:** Regularly clean the brushed aluminum finish and camera lens with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surface or lens.
- **Inspection:** Periodically inspect the panel for any signs of damage, loose connections, or obstruction to the camera or speaker/microphone.
- **Environmental Protection:** While designed for outdoor use, ensure the panel is not exposed to extreme conditions beyond its operating specifications.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video on indoor monitor	Loose video cable connection; Camera malfunction; Insufficient power.	Check all video cable connections. Ensure the 12V power supply is functioning correctly. Contact support if the issue persists.
No audio (two-way communication)	Loose audio cable connection; Microphone/speaker malfunction; Volume settings on indoor monitor.	Verify audio cable connections. Check volume settings on the indoor monitor. Ensure nothing is obstructing the panel's microphone or speaker.
Door lock not releasing	Incorrect wiring of lock release; Faulty electronic lock; Insufficient power to lock.	Check lock release wiring according to the diagram. Test the electronic lock independently. Ensure adequate power supply to both the panel and the lock.
RFID card not working	Card not programmed; Card damaged; RFID reader malfunction.	Ensure the card has been correctly programmed using the Master Card (refer to Section 3.4). Try another programmed card. Contact support if multiple cards fail.
Call button not responding	Loose connection to indoor monitor; Button malfunction.	Check wiring from the call button to the indoor monitor. Contact support if the button remains unresponsive.

7. SPECIFICATIONS

Feature	Detail
Model	M16-4CN
Brand	Alba Urmet
Mounting Type	Flush Mount
Finish	Brushed Aluminium
Camera	Colour 800 HTV Lines, 1/3" CCD, 3.6mm Wide Angle View
Night Vision	6 IR LEDs for Day & Night Function
Audio	Crystal Clear Two-Way Audio Communication
Call Buttons	4 Backlit Name Tag Call Buttons
Access Control	Built-in RFID (8 User Cards, 1 Master Card included)
Lock Type Supported	Electronic Lock (Lock Release Output)
Power Supply	12V (Adapter included)
Material	Metal
Dimensions (H x W x D)	265mm x 128mm x 55mm (on surface)
Item Weight	1 kg
Recommended Use	Security

8. WARRANTY INFORMATION

Alba Urmet products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Alba Urmet website. Keep your purchase receipt as proof of purchase for any warranty claims.

9. CUSTOMER SUPPORT

Should you encounter any issues or require technical assistance not covered in this manual, please contact Alba Urmet customer support. Contact details can typically be found on the product packaging, the official website, or your purchase documentation.

Online Resources: For additional information, FAQs, and updated documentation, please visit the Alba Urmet Store on Amazon or the official Alba Urmet website.