

Full Automatic Smart Door Lock User Manual

Alto Series

AU-106-A5 Model

I. Factory Settings

To initialize the system, enter 888 and press the # key to access the factory settings menu:

1. Door Opening Direction
 - [Left]: Left-hinged door
 - [Right]: Right-hinged door
2. Motor Torque
 - [Low]: Low torque
 - [Medium]: Medium torque
 - [High]: High torque
3. Reverse Time
 - [400] (Range: 100 – 900 ms)

The factory settings must be configured to match the lock body and door structure. Incorrect settings may cause malfunction.

Note: After adding an administrator, the factory settings menu will no longer be accessible.

1. Door Opening Direction

Press 2 to toggle:

- First press: “Opening Direction: [Right]”
- Second press: “Opening Direction: [Left]”

After setting, press * to return to the main menu.

2. Motor Torque

Press 3 to toggle:

- First press: “Motor Torque: [High]”
- Second press: “Motor Torque: [Low]”
- Third press: “Motor Torque: [Medium]”

Default is medium. Set appropriate torque to ensure proper locking.

3. Reverse Time

Press 4 to cycle through values (e.g., 400 → 450 ms, etc.).

Range: 100 – 900 ms.

Set a value that allows the latch bolt to fully extend.

Press * to return.

II. Unlocking

- Authorized administrators or users can unlock the door.
- Voice prompt: “Verification successful, unlocked.”
- User info is displayed.
- You may also use the unlock button on the rear panel.
- After unlocking, the system waits 15 seconds before allowing another verification.

Default password: 123456

This can be used for unlocking or entering settings before an admin is added.

Once an admin is added, the default password becomes invalid.

III. Locking

- Press the “Lock” button (below key “0”) on the touch panel to lock.
- Voice prompt: “Locked.”
- Locking can also be done via the rear panel.

IV. Initialization

Method 1: Hardware Reset

Hold the rear panel’s left unlock button and right lock button for ~6 seconds.

You’ll hear: “Factory reset, press # to confirm, * to cancel.”

Press # to start initialization.

Voice prompt: “Initializing...”

Then: “Initialization successful.”

All user data is cleared.

Method 2: Menu Reset

- Press * + # and verify admin identity.
- From main menu, press 4 for System Query → 3 for Factory Reset.
- Voice prompt: “Factory reset, press # to confirm, * to cancel.”

Press # to reset.

Voice: “Initialization successful.”

After reset, system time remains unchanged.

Any face, fingerprint, card, or default password (123456) can unlock the door.

V. User Management

5.1 Add Users

- Up to 9 administrators (IDs: 001 – 009)
- Normal users: IDs 010 – 200
- Admins can be face, fingerprint, card, or password-based

Steps:

1. Press * + #, verify administrator.
2. Main menu:
 - 1: User Management
 - 2: System Settings
 - 3: System Query

To add admin user:

- Choose 1 → 1: Add Admin
- Then:
 - 1: Fingerprint / Password / Card
 - 2: Face Recognition

Password Input: 6 – 12 digits, entered twice identically.

Card Input: Place card within 0 – 10 mm; voice prompt confirms success.

If duplicate, system says “User already exists.”

Fingerprint Input: Follow voice prompts. Repeat until confirmed.

Face Input: Face the camera 0.3 – 1 m away.

Turn head slowly as prompted. Avoid occlusion or bystanders.

Add at least one admin before adding normal users.

To add normal users:

Choose 2 in the User Management menu.

Process is the same as adding admin.

5.2 Delete Users

- Choose 3 in User Management:
 1. Delete by ID
 2. Delete All users

By ID:

- Press 1, input user ID, press #.
- Voice: “Operation successful.”

Admin performing the deletion cannot delete their own account.

Delete All Users:

- Press 2, then # to confirm.
- All users will be deleted except the current admin.

VI. System Settings

Main Menu → Press 2 for System Settings:

1. **Set Time**
2. **Language & Volume**
3. **Unlock Settings**
4. **Human Detection**

6.1 Time Setting

- Choose 1, input date/time, press #.

Format: YYYYMMDD HH:MM (include leading zeroes)

6.2 Language & Volume

- Choose 2:
- 1: Language — toggles between Chinese/English
- 2: Volume — cycles through High → Medium → Low → Mute

6.3 Unlock Settings

- Choose 3:
- 1. Auto Relock Time (2 – 9s)
- 2. Delayed Lock (Off/5/10/15/20/25/30s)
- 3. Tamper Alarm (On/Off)
- 4. Dual Verification Unlock (On/Off)

Dual Unlock: Requires verification by 2 normal users if enabled (excludes admins).

6.4 Human Detection

- Choose 4:
- 1. Proximity Detection: Near / Far / Off
- 2. Stay Alarm: On / Off
- When On: 3 failed face attempts trigger alarm.
- 5 failed attempts lock system for 180s.

IR-based detection. Avoid obstacles.

If the user stays within detection range too long, IR shuts off to save power and restarts when they move away (0.3 – 1m range).

VII. System Query

Main Menu → Press 3 for System Query:

1. Record Management

2. Storage Info
3. Factory Reset

7.1 Record Management

(Fingerprint + Password + IC Card: Max 200 records)

- Choose 1:
 1. View by Sequence (2 / 8 to scroll)
 2. View by Date (Enter date → #)
 3. Clear Records

Smart lock supports time synchronization.

7.2 Storage Information

- Choose 2:
 1. Admin Info
 2. User Info

Displays:

- Fingerprints, Cards, Passwords
- Capacity and Remaining Slots

7.3 Factory Reset

- Choose 3, press # to confirm.

VIII. Low Voltage Alert

- If voltage $\leq 7.0V$ for 3 wake-ups, each action prompts:
“Low battery, please recharge.”
- Alert also sent to the mobile app.

Door can still be unlocked ~100 more times (depending on battery capacity).
Please recharge or replace batteries soon.

IX. Tamper Alarm

- When enabled, tamper switch triggers:
 - Voice: “System locked”
 - Red light flashes
 - 8s continuous alarm
 - 180s lockout

If alarm is ongoing, unlocking resets the alarm.
Only valid user authentication cancels the alert.

Default: Tamper switch is ON in factory state.