

Trudian
TD-R39 Digital
Intelligent
Building Video
Intercom System



Trudian TD-R39 Digital Intelligent Building Video Intercom System User Manual

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Trudian TD-R39 Digital Intelligent Building Video Intercom System



Specifications

- **Product:** Digital Intelligent Building Video Intercom System
- **System:** Linux System
- **Usage:** Outdoor Station

Product Usage Instructions

Video Intercom

Visitors can enter the room number to call when on the main interface.

- For example, call Building 2, Unit 3, Room 0101 in Zone 1:
 - Enter 101 or 0101 on the unit outdoor station
 - Or enter 0102030101 or 102030101 on the community outdoor station

Calling the Mobile App (Optional)

If the indoor monitor doesn't answer within 25 seconds, the call is forwarded to the resident's mobile app. Other devices will be disconnected once one mobile device answers. Mobile app allows screenshots and door unlocking.

Calling the Management Center

Press # + 4 on the keyboard to enter the property management call interface. Use 2 and 8 to switch left and right,

select Call Management Center or Call Security Extension, and press # to confirm.

Unlock

- The resident can remotely unlock the door through the indoor unit when calling or speaking with the resident. The outdoor station will display “The door is opened” and provide a voice prompt.

Mobile App Unlock (Optional Feature)

- The resident can remotely unlock the door through the mobile app when calling or speaking with the resident. The outdoor station will display “The door is opened” and provide a voice prompt.

Management Center Unlock

- Remote unlocking can be performed when calling the management center or security extension. The outdoor station will display “The door is opened” and provide a voice prompt.

FAQ

Q: How do I change the settings of the system?

A: Refer to section 3 – System Settings in the user manual for detailed instructions on changing system settings.

- Welcome to choose Our Building Video Intercom Products!
- Our product is designed using the most advanced electronic communication technology available today and manufactured with superior SMT technology.
- It has undergone rigorous testing and inspection under a strict quality assurance system. It features high integration, high reliability, and high-cost performance, making it a trustworthy security intercom product.
- Requires 12V DC; do not exceed this voltage or reverse the polarity.
- The device contains sensitive electronic components and should be protected from moisture, water, and high temperatures.
- The device includes an LCD panel, which should not be pressed with sharp objects or subjected to excessive force.
- The appearance, functions, and interface of the product may differ from the actual device. The actual product should be used as the reference.

Video Intercom

Calling the Indoor Monitor

- When the device is on the main interface, visitors can enter the room number to call.
- For example, to call “Building 2, Unit 3, Room 0101 in Zone 1”, enter 101 or 0101 on the unit outdoor station, or 0102030101 or 102030101 on the community outdoor station.

Calling the Mobile App (Optional)

- When a call comes in from the outdoor station and the indoor monitor does not answer within 25 seconds, the system forwards the call to the resident's bound mobile app.
- If there is no indoor monitor, the call goes directly to the mobile app. Once one mobile device answers, other devices will be disconnected. The mobile app shows the current caller's image and allows screenshots and door unlocking.



Calling the Management Center

- Follow the on-screen prompts and press “#” + “4” on the keyboard to enter the property management call interface.
- Use “2” and “8” to switch left and right, select “Call Management Center” or “Call Security Extension”, and press “#” to confirm.



Unlock

Indoor Monitor Unlock

- When calling or speaking with the resident, the resident can remotely unlock the door through the indoor unit. The outdoor station will display "The door is opened" and provide a voice prompt.

Mobile App Unlock (Optional Feature)

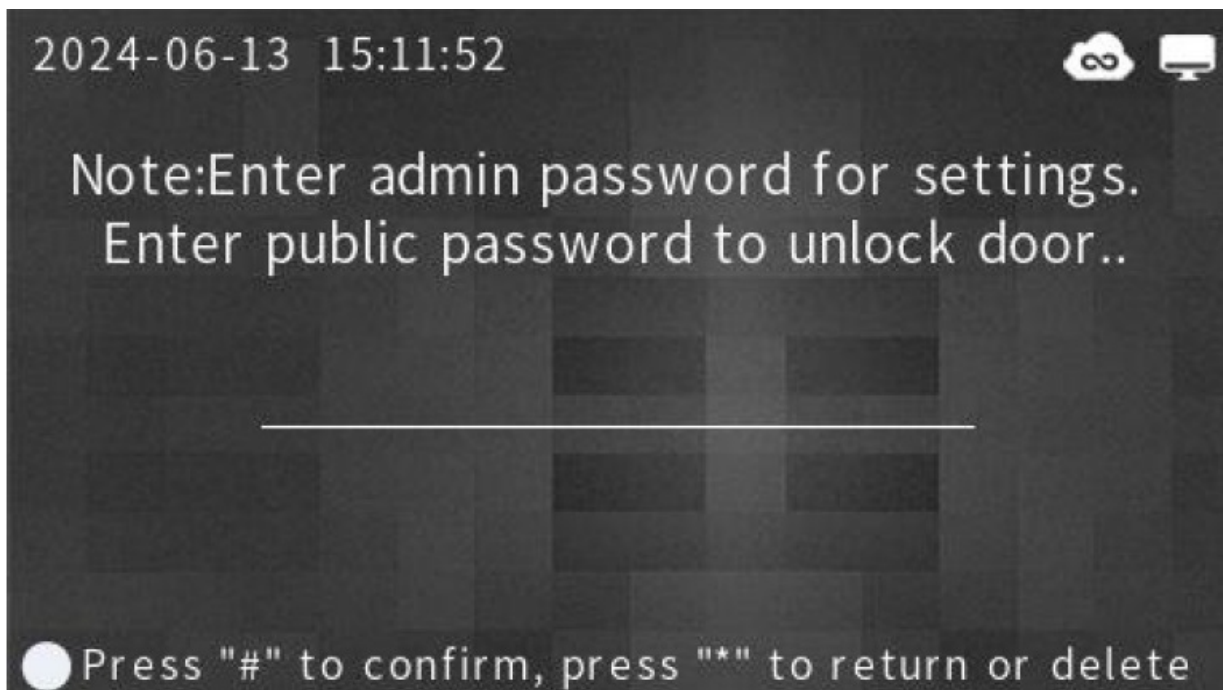
- When calling or speaking with the resident, the resident can remotely unlock the door through the mobile app. The outdoor station will display "The door is opened" and provide a voice prompt.

Management Center Unlock

- When calling the management center or security extension, remote unlocking can be performed. The outdoor station will display "The door is opened" and provide a voice prompt.

Password Unlock

- Password unlocking includes public and user passwords. Public User hijack password and public user unlock password are auto-generated in reverse order and do not require setting.



Public (User) Password Unlock

- The default is disabled and needs to be enabled by property personnel via engineering settings. If setting a user password, the resident must also configure it on the indoor monitor for it to be used.
- **Usage:** Follow on-screen instructions, press “#” + “2” to enter the “Password Unlocking” screen, navigate with “2” and “8” to select public password unlocking, press “#” to confirm, and enter the public password (user password unlocking, press “#” to confirm, enter room number, and enter user password). If correct, the door unlocks a snapshot is taken and uploaded to the management center. If incorrect, an error message is displayed and a snapshot is taken.

Public (User) Hijack Password Unlock

- The public (User) hijacking password is the reverse of the public (User) unlock password. It is auto-generated when the public unlock password is set (the user sets their unlock password).
- **Note:** The public (User) hijacking password must be different from the public (user) unlock password and is only active when the public (user) unlock password is enabled.
- For example, if the public (user) unlock password is 123456, the public (user) hijacking password will be 654321. Using the public (user) hijacking password triggers an alarm to the management center and security.

Face Recognition Unlock (Optional)

Face Registration

- **On Device:** Property personnel need to enable “Face Recognition Management” -> “Face Recognition Registration” in engineering settings.
- Follow the prompts to enter the room number and bind a phone number.
- **Mobile App:** Open the Trudian Cloud app, navigate to “More Services” -> “Face Management” -> “Register Face” and follow the prompts.
- **Management Center** – Photo Upload: Access “Face Management”, select the room number, enter face details,

and upload three photos.

- **Management Center** – Camera Capture: Access “Face Management”, select the room number, enter face details and capture three photos.

Face Unlock

- When face recognition is enabled, the door station uses infrared or microwave sensors to wake up and recognize the face in sleep mode, or manually enter the unlock screen and press “#” + “1” to start face recognition.

QR Code Unlock (Optional)

Obtaining QR Code

- Open the app, click “Authorize Code to Open”, and generate a QR code.

QR Code Authorization

- Click “Authorize to Visitor” under the QR code, set visitor identity, code validity, and rules, and then share via WeChat, QQ, or SMS.

QR Code Unlock

- Press “#” + “3” to enter the QR code recognition screen and present a valid QR code to the door station.

IC Card Unlock

- Place a valid access card near the reader area to unlock.
- Fingerprint Unlock (Optional)
- Fingerprint Registration
- Property personnel need to enable “Fingerprint Management” -> Fingerprint Registration” in engineering settings. Follow the prompts to enter the room number and complete registration.

Fingerprint Unlock

- Press a registered finger on the fingerprint sensor. If recognized, the door station displays “The door is opened” with a voice prompt.

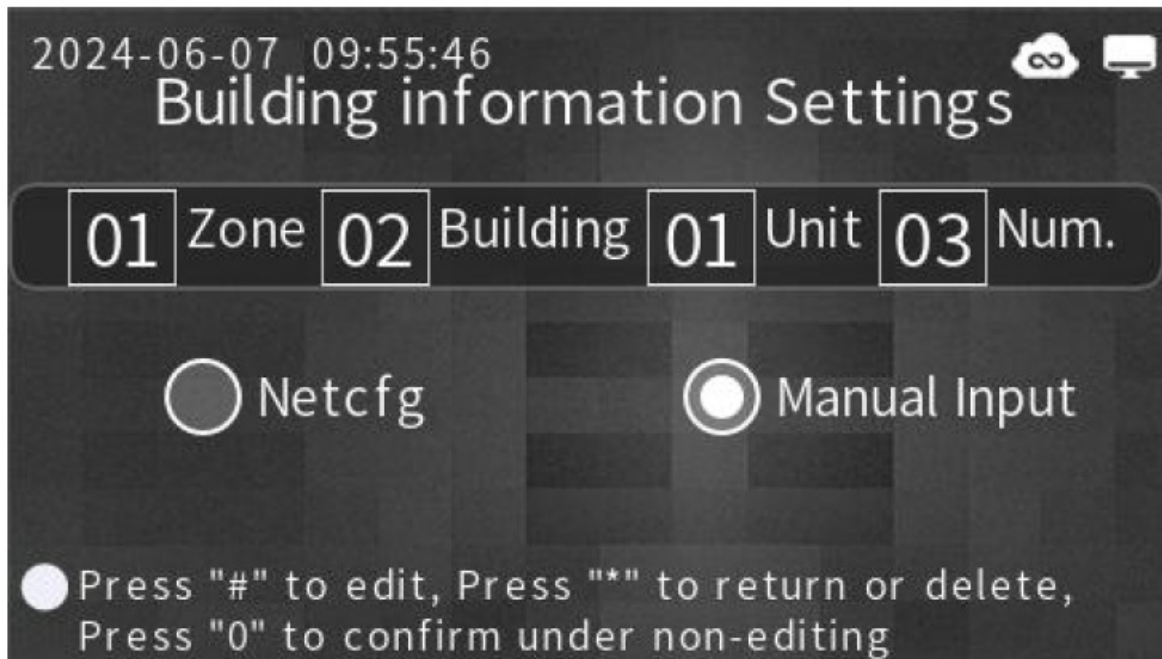
System Settings

- System settings include address setting, admin password setting, unlock password setting, password permissions, volume setting, unlock setting, door sensor setting, language setting, date and time setting, system information, card management, restore setting, access control setting, device serial number, and 24 other settings.
- **Note:** These settings must be operated by professional engineering personnel. Users should not change these

settings lightly.

- To enter system settings: On the main screen, press “#” + “2”. Then enter the six-digit admin password (default is 666666) to access the system settings menu.

Address Settings



1. Click “Address Settings” to set the building information.
2. For example, to set the address for Building 2, Unit 1, Door Station 3 in Zone 1.
3. After setting the address, you can either assign an IP address to the door station based on the room number configuration table or manually enter the IP address. The device will automatically restart upon successful configuration.

User Password

- Press the “#” to toggle the switch. When enabled by the administrator, users can set the unlock password via the indoor monitor for unlocking.

Serial Number Settings

- The device serial number is a unique identifier set at the factory and should not be modified.

Admin Password Settings

- Administrators can change the admin password by entering the current password (6 digits) and the new password twice (6 digits each). This allows for easier management.

Password Unlock

- Press the “#” key to toggle the switch. Enter the correct old public unlock password to set a new one. If successful, the interface and voice prompt will indicate success; otherwise, it will indicate failure.

- **Note:** The default public unlocking password is 012345, and the default hijacking password is 543210. If the public unlocking password is set to 666666 or 121121, it will match the hijacking password, violating the rules and causing the setting to fail.

Volume Settings

- Set the advertisement volume and ring volume. Press “4” to decrease the volume and “6” to increase the volume.

Door Lock Settings

- Set the unlock delay for the electric lock. The default unlock method is power-on unlock with a 10-second delay. Users can customize this setting as needed.

Access Control Permission Settings

- Each unit has a unique access control number matching the “Access Control Permission Settings” in the management center.
- **Access Control Permission Value:** This must match the settings in the property management terminal.

Access Control Sector and Password Settings

- **Sector:** Matches the sector number (01-16) set by property when issuing the access card.
- **Password:** Matches the 12-digit password set by property.
- **Note:** For easier management, use a unified sector and password for the entire community. Settings can be done manually, with a management card, or via management center software. Refer to the PC terminal user manual for details.

Access Control Server Settings

- Factory set; do not modify. Used for retrieving cloud intercom server address, port, and SIP account info. Each unit has a unique access control number matching the “Access Control Permission Settings” in the management center.

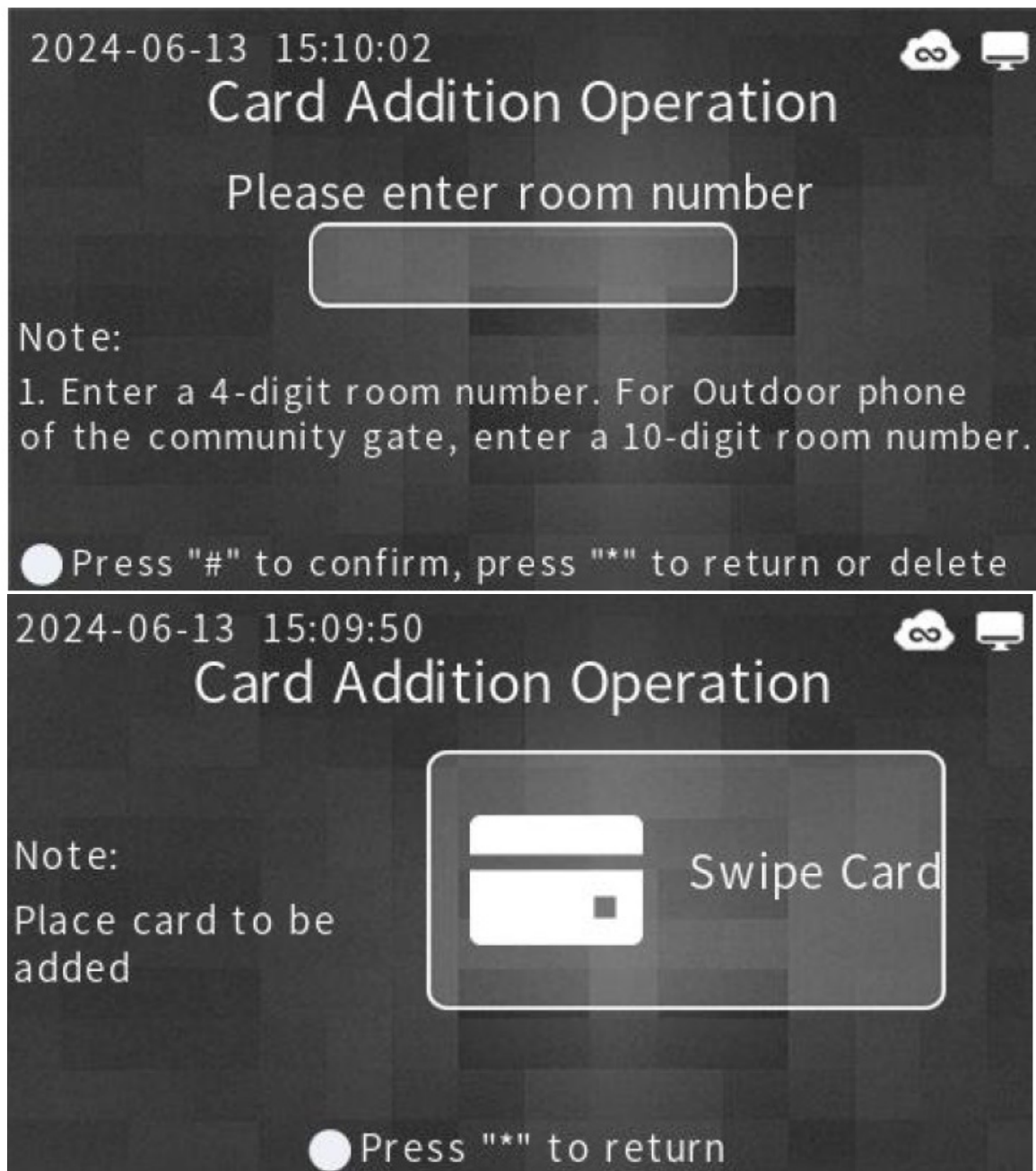
Door Sensor Settings

- Set the door sensor status & delay. The default is disabled. Customize as needed.

Tamper Settings

- Toggle tamper protection with “#”. When enabled, an alarm will notify the management center and security if the device is tampered with.

Card Management Add Card



To add a card, select "Add Card," enter the room number, and place the card on the reader. The screen will then indicate success.

Delete Card



- To delete a card, select “Delete Card” and place the card on the reader. The screen will then indicate success.
- **Note:** Multiple cards can be added or deleted. It’s recommended to manage cards via the management center PC terminal.

Facial Recognition Management Automatic Facial Recognition

- Toggle facial recognition activation via microwave sensor. Press “#” to toggle.

Liveness Detection

- Enable liveness detection to prevent unauthorized access using photos, face swaps, masks, obstructions, and screen captures. Toggle with “#”.

Liveness Detection Threshold

- Adjust the liveness threshold to determine pass rates. Real humans score close to 1, non-humans close to 0. Adjust with “4” to decrease, “6” to increase. RGB range: 0.6-0.99.

Recognition Model Threshold

- The recommended identification threshold is 80 points. Increasing it reduces false positives but may slow recognition. Adjust with “4” to decrease, “6” to increase. Model range: 80-90.

Facial Recognition Registration

- Enter the facial registration interface.

Facial Authorization

- Enter the facial recognition authorization code to enable the feature on the device.

Facial Recognition Information

- View information such as license number, authorization code, and authentication status.

Cloud Video Intercom (Optional)

Cloud Video Intercom

- The administrator enables this feature. If the indoor unit is not answered within 25 seconds, the call is forwarded to the resident's mobile app.
- The first phone to answer disconnects the others, displays the caller's image, and allows screenshots and door unlocking.

QR Code Unlock

- Admin enables this feature. Residents and visitors can unlock using a QR code.

Elevator Settings

- Requires elevator control module.

Call Elevator

- Calls the elevator to the current floor when the door station is accessed.

Elevator Server Setting

- Sets the IP address of the elevator controller server.

Elevator Controller Status

- Check the status of the elevator controller.

Elevator Controller Number Setting

- Matches the elevator controller number.

Elevator Floor Number Setting

- Set the floor number the elevator will arrive at. The first floor is 0, B1 is 1, B2 is 2, and so on, with a maximum value of 15.

Language Settings

- Set the system language (default is Chinese).

Advertisement Playback (Optional)

- Enable or disable advertisement playback.

Date and Time Settings

- Enable automatic date and time settings, or set them manually if needed.
- If the time setting is unreasonable, the system will prompt a failure. The door phone will automatically sync time with the property center when turned on or running. The format is YYYY-MM-DD HH, e.g., 2019-01-01 08:00.

Theme Switching

- Select the application theme based on user preference.

Operation Settings

- Enable or disable call hang-up after unlocking.

System Information

- View system information such as device number, IP address, gateway, subnet mask, program version, release date, network configuration version, and system version.

Factory Reset

- Select “Factory Reset,” select “confirm” or “#” to reset the system, and “cancel” or “*” to return.

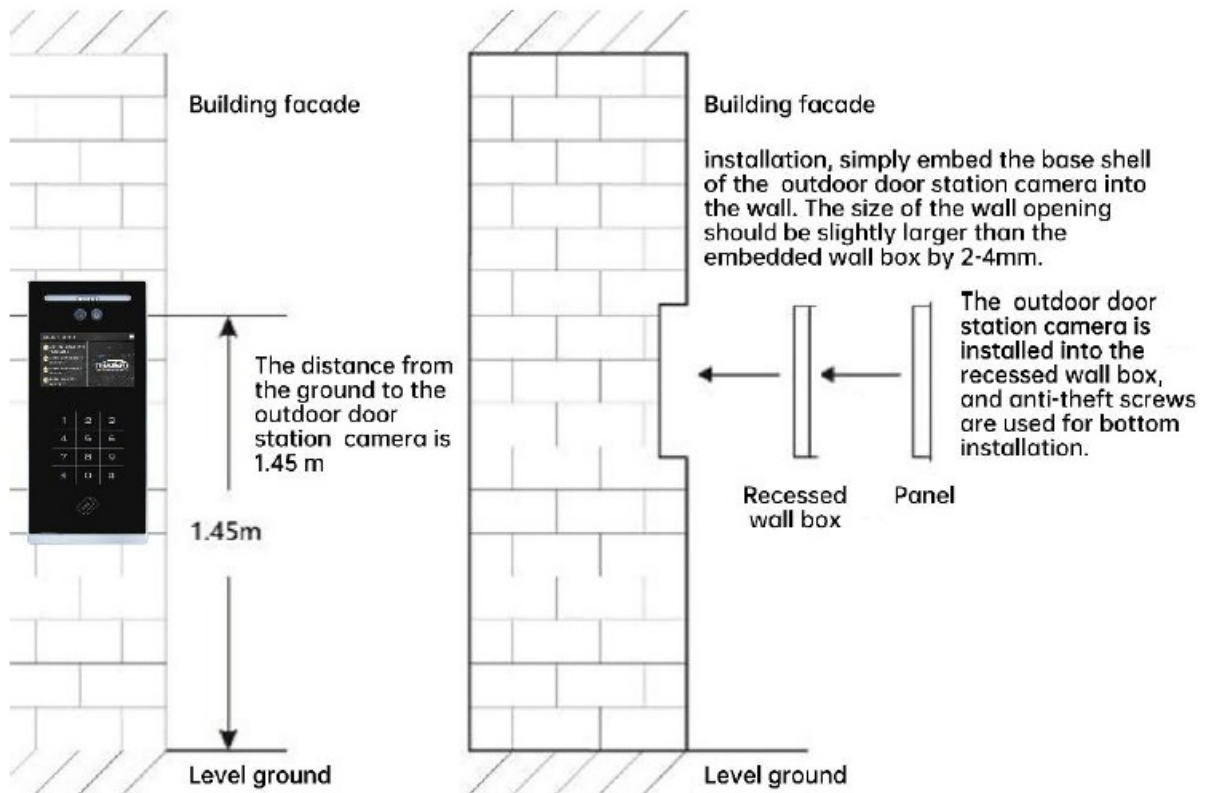
Test Mode

- Click “Test Mode” to restart the system and enter test mode. This mode includes tests for continuous flow, loop, camera, microphone, speaker, LCD, touchscreen, system card reading, wired network, SD card, human presence, tamper detection, pressure test images, pressure test videos, door sensor, unlocking, and door open button.
- Click the “Hardware” button in the top right corner to test the camera, microphone, speaker, LCD, touchscreen, GPIO port, serial port, system card reading, system buttons, wired network, and SD card. Click “Back” to exit test mode.

One-Key Restart

- Click “One-Key Restart” to reboot the device.

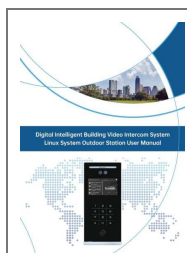
Installation method



The Notice

1. Do not expose the device to wind and rain. If unavoidable, please install a rain cover.
2. Do not aim the camera at direct sunlight or strong light.
3. Ensure the camera has even lighting as much as possible.
4. Do not install the device near strong magnetic fields.
5. Do not install the device in locations where the background noise exceeds 70dB.
6. Only qualified professionals should perform repairs. For technical issues, please call our national service hotline at 400-6116-328.

Documents / Resources



[Trudian TD-R39 Digital Intelligent Building Video Intercom System](#) [pdf] User Manual
 TD-R39 Digital Intelligent Building Video Intercom System, TD-R39, Digital Intelligent Building V
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 em, Video Intercom System, Intercom System

References

- [User Manual](#)

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