eyevision®

Direct to Smartphone

Video Wi-Fi Intercom
Outdoor Keypad Station

EV-IP-KP22

Description

The EV-IV-KP22 is a standalone access control keypad with a swipe card reader as well as control by smartphone APP anywhere in the world. This device is compatible to function with both Fail Secure and Fail Safe locks in addition to being integrated with doorbell systems and exit buttons.

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Quick Setup Guide

This Guide will offer a quick, simple but limited option for the programming this device. It will allow for a single 4-6 digit passcode to be added and then changed at any time.

Add or Replace Passcode

i Default Admin Code is 999999

Enter the administrator operation mode `*` `Admin Code` `#`

If the input is correct, Beep x 2 will sound and the LED will flash red every second.

Add or replace the passcode while in admin mode

`933` `#` `001` `#` `New 4-6 Digit Code` `#` `New 4-6 Digit Code` `#` `*`

If successful, the device will sound Beep x 2 and the passcode will be set to

`New 4-6 Digit Code`

Unlock the Device

To use the current code to unlock the device

`4-6 Digit Code` `#`

The LED on the device will turn Green and the device will sound Beep x2 + "The door is open".

Features

HD 1080P 2.0MP Camera, 110° Wide Angle View	LED Lights For Night Vision
Live Video, Snapshot, Video Record	Touch Keypad, Max.200 PIN Codes Access
Halow WiFi Frequency: 800Mhz/900Mhz, With an External Antenna That Connects Directly to Your Wi-Fi (Max 15m)	High Security With Each Device Having a Unique ID Number For Connection & Communications
Compatible With CAT5 and CAT6 Cables For Up To 100m	Built-in Keypad for Door or Gate Release Function by PIN Code AND IC Card Access
Video Compression: H.264/HD.265	Power Consumption: Max. 150mA
Dimension (L*W*D): 146*70*43mm(With Rain Cover) Another innovative product from Eyevision®	See Your Visitors On Your Smartphones or Tablets, Along With Two-Way Communication & Door/Gate Release Function
IC Card Access, Max.200 Pcs. IC Cards	Unlocking Time: 01 – 150 Seconds
Waterproof Construction IP rating 54; Surface Mount With Rain Cove	Power Supply: DC 15V 1A
Material: Aluminium Alloy	Ultra-low Power Consumption

Specifications

Working Voltage: DC 12-15V	Standby Current: >=150mA <= 300 mA
Working Temperature: -20 °C ~ +50 °C	Door Relay time 0-150 S (Adjustable)
Working Humidity <= 95%	

1	White light LED
2	Camera
3	Photosensitive resistance
4	Keypad
5	Speaker
6	Call button
7	Card area
8	Microphone
9	12V~15V DC in
10	RJ45 interface with PoE
11	Lock control
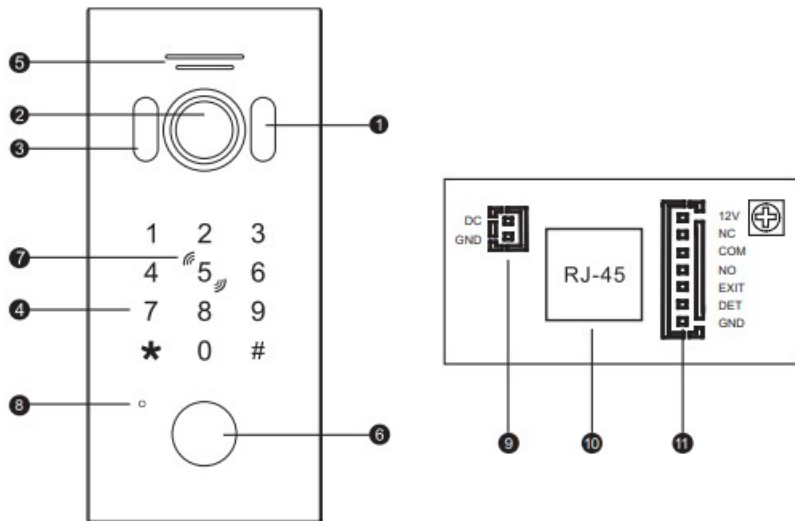
Wiring Output

| NO.	PIN	Definition	Function	Remark
J1	1	NO 12V DC (Brown)	E-lock power supply	Magnetic lock not supported
	2	NC(Orange)	Normal close	
	3	COM(Green)	Common	
	4	NO(Yellow)	Normal open	
	5	EXIT(Black)	Exit button	
	6	DET(White)	Door open status protection	
	7	GND(RED)	Ground	

Installation

Surface Mount

Flush Mount
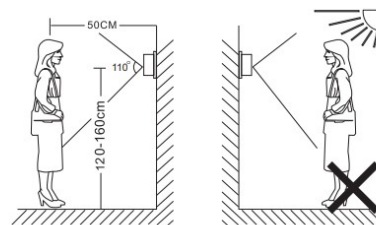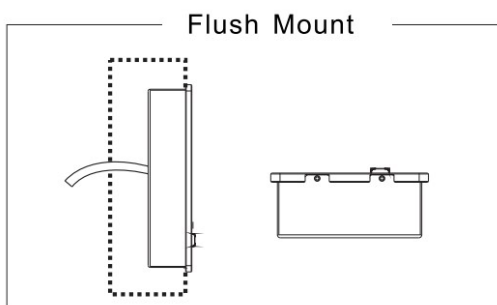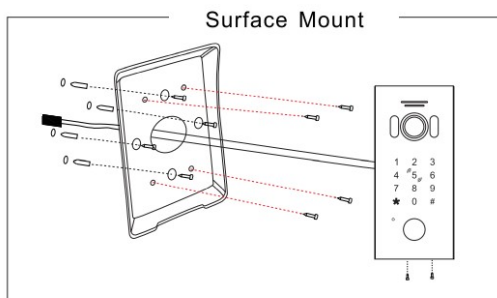
⚠ NOTE:

- Avoid installation of the device near strong radiation e.g. AC motor and lift.
- Maintenance should be complied with qualified technician.
- Avoid hard shake, beating and collision, otherwise the internal exact components maybe be damaged.
- Do not expose the outdoor camera under strong light or sunshine.
- Do not install the outdoor camera in the environment e.g. direct sunlight, contact rain, high temperature, high humidity, full of dust and chemistry corrosive.
- Select the most suitable position where the camera is located at user's eye level.
- Switch off power supply before installation.
- Keep more than 30cm away from AC power supply to avoid external interference.
- Keep it away from the water and magnetic field.

4

Accessories

Outdoor unit----- 1 PCS
Plastic Anchors-- 4 PCS
Screws------------- 6 PCS
7 pin line---------- 1 PCS
3 pin line---------- 1 PCS
2 pin line---------- 1 PCS
IC card------------- 2 PCS
User manual----- 1 PCS
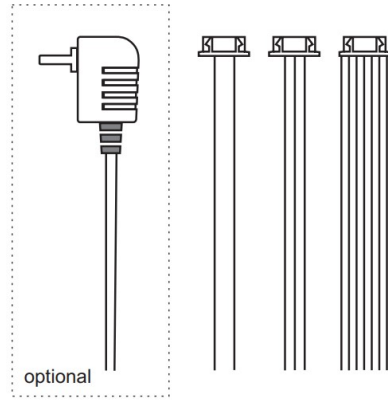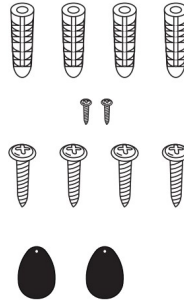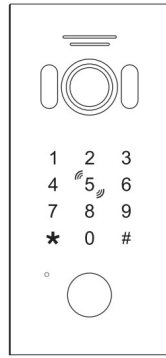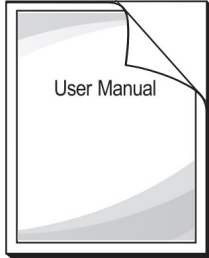
Indicators

Operate Status	LED light ring	Buzzer	Note
Standby	White		
Administrator	White, red flashing	Beep x2	
Keypad Touch		Beep	
Operation Fail		Beep x4	
Operation Success		Beep x2	
Auto Exit Administration Mode	White	Beep x3	
Device Unlocked	Green	Beep x2	"The door is open, please come in"

Parameters

1. View Angle: 110 degrees
2. Resolution: 20 MP
3. Night Vision: White light LED (120 degrees)
4. Voltage: 12~15V DC input; PoE,
   Standby Current: >=150 mA, Working <=300 mA
5. Working Environment:
   Working Temperature: -20 °C ~ + 50 °C
   Relative Humidity: <=95%

This product can directly access Tuya cloud through wireless or network cable. This allows for remote access to the lock as well as the audio and video intercoms through the Tuya smart app from anywhere in the world.

This product includes a keypad module and a RFID module. Both of these modules can be used to unlock the device if the code entered or card swiped is valid. The keypad module is used for the operation of the administrator mode while the RFID module is used to manage the user card operations.

The Fill lights and LED backlight have light-sensitive response functions. During the day, the white fill lights and button LED backlight will not light up. At night, the LED button light is always on; when calling at night; the fill light automatically turns on.

Tuya Smart APP

(1). **Hang off (Back):** During a call or monitoring process, click this key to exit the current interface.

(2). **Settings:** Button to access the settings of the device.

(3). **Resolution:** Toggle between HD and SD.

(4). **Loudspeaker:** This button will toggle between muting and unmuting the audio from the security device.

(5). **Fullscreen:** Display the image in full screen.

(6). **Screenshot:** Capture a screenshot of the video output and store it in the album.

(7). **Microphone:** This button will play the audio captured from the mobile device through the speakers of the security device.

(8). **Record:** Video recording from Intercom.

(9). **Unlock:** Unlock the security device.

(10). **Playback**: To watch recorded Footage.

(11). **Album:** During a call or monitoring, manually captured photos or manually recorded videos can be viewed here.
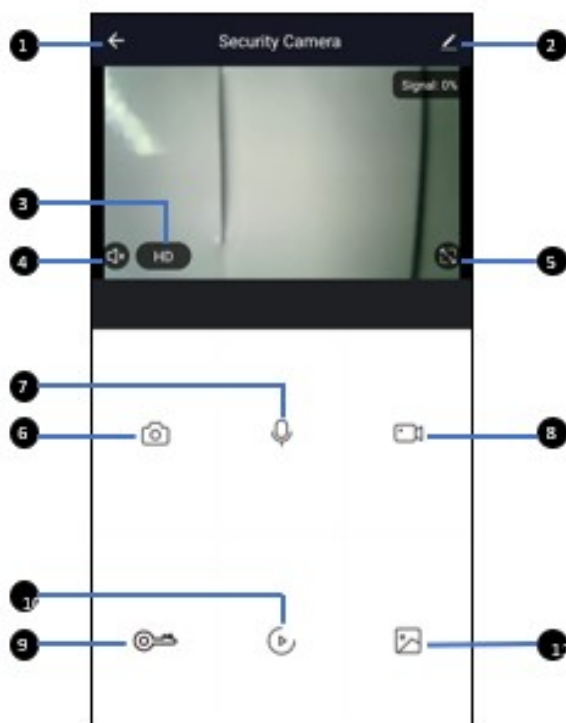
Connecting to the Tuya Smart APP (Wireless with QR Code)

1 Change the device to wireless mode

| * | Admin Code | # | 8 | 23 | # |

ⓘ Default Admin Code is 999999

2 Press the **+** button:
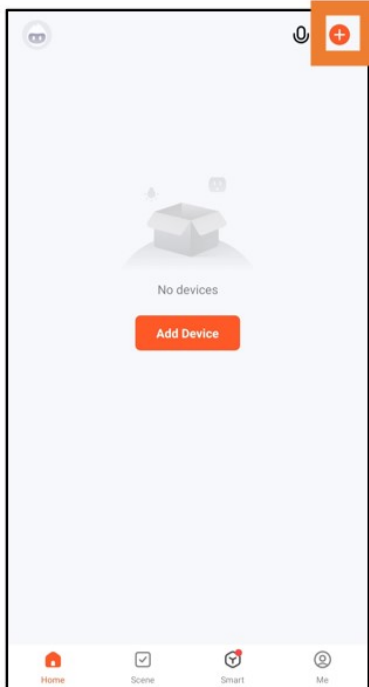
3 Press **Camera & Lock** and then select **Smart Doorbell**:

4 Select QR Code:

5 Enter the WI-FI network and password:
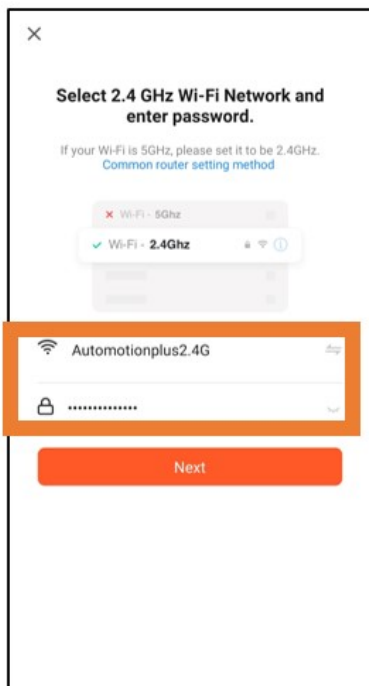
6 Scan the QR Code with the security device:

7 Wait as the device connects:

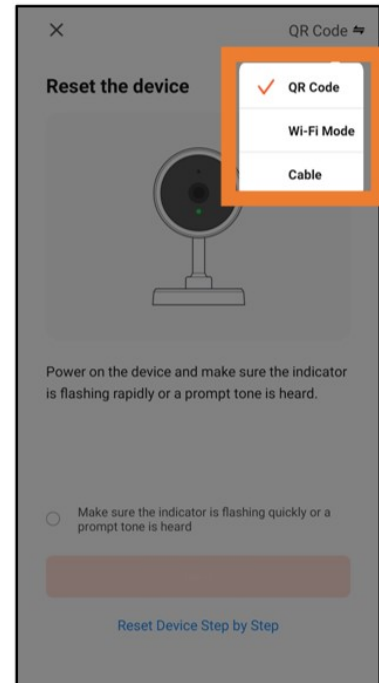A green tick will appear on the page to indicate a successful connection.

Connecting to the Tuya Smart APP (Wired Mode with Cable)

1 Change the device to wired mode

| * | Admin Code | # | 8 | 22 | # |

i Default Admin Code is 999999

2 Press the **+** button:

3 Press **Camera & Lock** and then select **Smart Doorbell**:
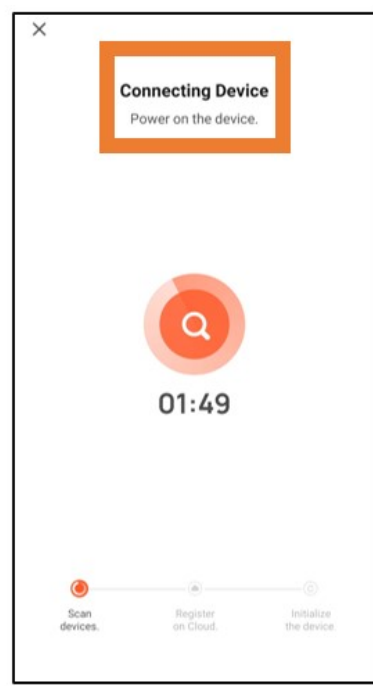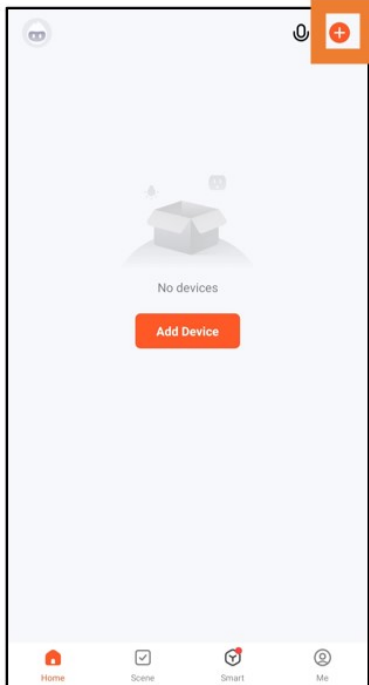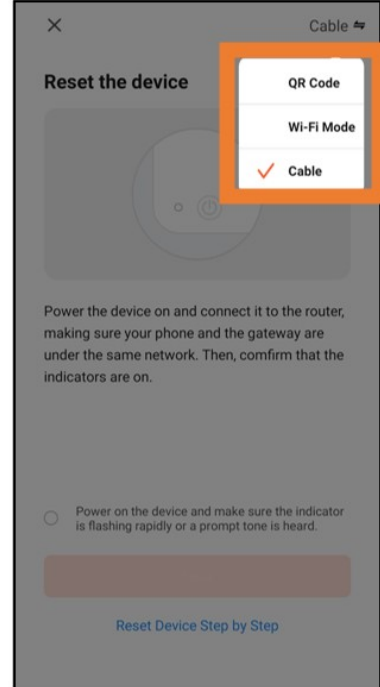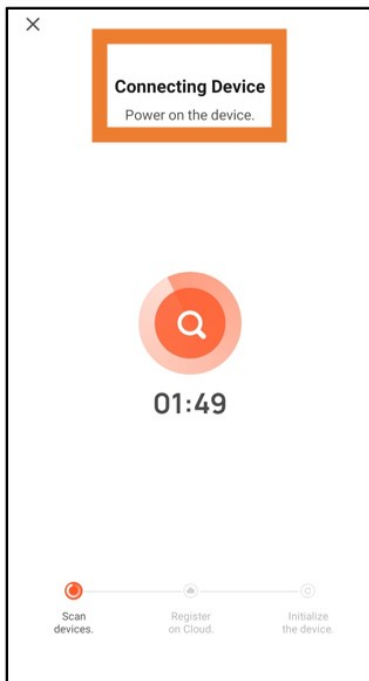
4 Select Cable:

5 Wait as the device connects:

6 Press the + button:
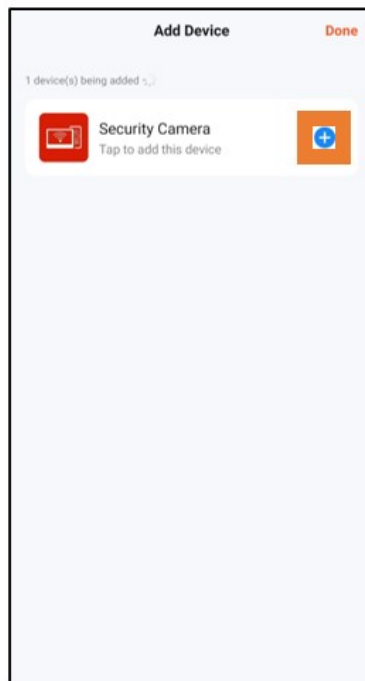
7 The green tick will indicate success:

Programming
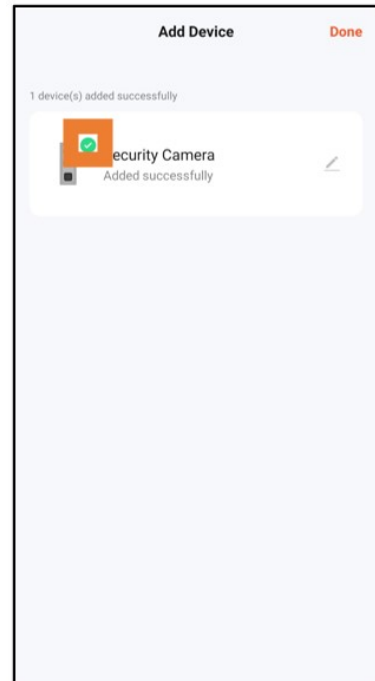
Modes

Mode	Purpose	Indicator
Standby	Unlocking the device	LED light colour: White
Administrator	To change password, general settings and reset the device	LED light colour: White with red flashing every second
Unlocked	Unlock attached lock or trigger the opening of an attached automatic gate.	LED light colour: Green Sound signal: Beep x 2 "The door is unlocked, please come in."

Enter Administrator Mode

To enter the administrator operation mode ⬚ * ⬚ ⬚ Admin Code ⬚ ⬚ # ⬚

ⓘ Default Admin Code is 999999

If the input is correct, Beep x 2 will sound and the LED will flash red every second.

To return to standby mode: wait 30 s until Beep x3 sounds or ⬚ * ⬚

Enter Unlocked Mode

Public Unlock Code:
The device allows for up to 200 unique public unlock codes to be added, each of these can be a replaced or deleted. The public unlock code function can also be enabled or disabled in administrator mode.

To use the public unlock code ⬚ 4-6 Digit Code ⬚ ⬚ # ⬚

If the 4-6 Digit Code is valid and the device has public unlock codes enabled, the device will enter unlocked mode.

Master Cards:
Either the **Add Card Master Card** or the **Delete Card Master Card** if swiped will always unlock the device.

User Cards and Passcodes:
Using the Master Cards, user cards can be added to the device and a unique 4 Digit Code can be assigned to the card. To successfully unlock the device, the user must meet the requirements of the current setup mode.

Default Settings

The initial administrator passcode is 999999

The initial 001 public unlock passcode is 123456

The default door opening method is card opening

The default unlock time is 2 seconds.

The safe mode is off by default

Reset

To restore the device to factory settings | * | Admin Code | # | 0 | 99 | # |

ⓘ Default Admin Code is 999999

If the input has been successful, the device will then immediately reboot itself (this will take 30s). During the restart, the device will be restored to the original factory settings. However, this will not delete stored user cards, master cards or stored passwords with the exception of the admin password and the 001 public unlock code. The admin password will be restored to 999999 and the 001 public unlock code will restore back to 123456. This will also not alter the wired/wireless mode of the device.

Modify Administrator Code

To change the administrator code   ⓘ Default Admin Code is 999999

| * | Admin Code | # | 0 | 77 | # | New 6 Digit Code | # | New 6 Digit Code | # |

If successful, the device will sound Beep x 2.

Public Unlock Code

The public unlock code can be enabled and disabled by the administrator. This setting directly effects all stored public unlock codes.   ⓘ Default Admin Code is 999999

To disable the public unlock code | * | Admin Code | # | 6 | 00 | # |

To enable the public unlock code | * | Admin Code | # | 6 | 01 | # |

Once the status of the public unlock code has be updates, the device will Beep x2.

Modify Public Unlock Code

There can be up to 200 public unlock codes, each with a corresponding 3 digit position, the first code will have the 3 digit position 001. Each of these codes can be added or deleted using the programming functionality below. This is useful when managing the access permissions for larger groups.

To add or replace a public unlock code

| * | Admin Code | # | 933 | # | 3 Digit Position | # |
| New 4-6 Digit Code | # | New 4-6 Digit Code | # |

ⓘ Default Admin Code is 999999

If there is no existing passcode associated with the 3 digit position, the new code will be added. If there is an existing passcode, it will replace the corresponding code for that 3 digit position. The 3 digit position can be any value from 001~200.

If successful, the device will sound Beep x 2.

Delete Public Unlock Code

To delete a public unlock code

| * | Admin Code | # | 944 | # | 3 Digit Position | # |

If successful, the device will sound Beep x 2.

ⓘ Default Admin Code is 999999

ⓘ Default 001 Public Access Code is 123456

Setup Unlock Code

The various unlock modes apply to user cards, each card will have an associated 4 digit code.
See the user operations section for more detail.

ⓘ Default Admin Code is 999999

To enter **card only** unlock mode

| * | Admin Code | # | 3 | 00 | # |

In this mode, the user can only use a swipe card to unlock the device.

To enter **card or passcode** unlock mode

| * | Admin Code | # | 3 | 01 | # |

In this mode, the user either a swipe card or a 4 digit user code to unlock the device.

To enter **card and passcode** unlock mode

| * | Admin Code | # | 3 | 02 | # |

In this mode, the user has to first use a swipe card and then the corresponding 4 digit user passcode to unlock the device.

Modify Unlock Time of Relay

The unlock time can be set to any value from 0~150 s.

ⓘ Default Admin Code is 999999

To change the value of the unlock time

| * | Admin Code | # | 4 | xxx | # |

Where xxx = 002 for a 2 s unlock time.
If successful, the device will sound Beep x 2.

Safety Mode Setup

To turn off **safety mode** | * | Admin Code | # | 5 | 00 | # |

If successful, the device will sound Beep x 2.

To turn on **locked mode** | * | Admin Code | # | 5 | 01 | # |

Locked mode means that if a user continues to use the wrong card or code 10 times continuously within a 5 minute period, the device will be locked out for 2 minutes and automatically call a connected monitor if there is one. When the device becomes locked, it will sound "wrong room number" and the LED light will turn red for a short period of time before becoming white again. During this 2 minute locked period, cards and passcodes won't work. There will be no indicator when the device exits the locked state.

To turn on **Alarm mode** | * | Admin Code | # | 5 | 02 | # |

This will result in Beep x2.
Alarm mode means that if a user continues to use the wrong card 10 times continuously within a 5 minute period, the device will repeatedly Beep, the LED light will turn red and then the device will restart.

Note that if the device is in card only mode, the public access codes will still be functional but the locked and alarm modes will not trigger if incorrect codes are inputted. Therefore, there will be nothing preventing repeated attempts to guess the password.

Add Master Card

The master cards can be used to add or delete user cards.

To add new master cards | * | Admin Code | # | 7 | # | Swipe 2 Different Cards |

The first card to be swiped will become the **Add Card Master Card** and the second card swiped will become the **Delete Card Master Card**. These cards will replace any existing master cards as only two master cards are allowed. Master Cards can never be deleted, they can only be replaced by adding new master cards. After the two cards have been swiped the device will automatically exit administration mode.

Switch Language

To change the language of the device

| * | Admin Code | # | 9 | Language Sequence Number | # |

Language Sequence Numbers: 00 = Russian, 01 = English, 02 = Chinese, 03 = Spanish, 04 = Turkish, 05 = Portuguese,
06 = German, 07 = French, 08 = Italian, 09 = Bulgarian, 10 = Farsi
If successful, the device will sound Beep x 2 indicating the successful language allocation.

Switch Wired/Wireless Mode

ⓘ Default Admin Code is 999999

To change the device to wired mode	*	Admin Code	#	8	22	#
To change the device to wireless mode	*	Admin Code	#	8	23	#

The device will Beep x 2 indicating the successful allocation of wired/wireless mode.

Add User Card

In standby mode, swipe **Add Card Master Card** 3 times within 15 seconds. The LED light indicator will then flash red and
The device will Beep x4 to confirm that the device has entered the add user card mode. Swipe the card which is to become a user card in the RFID area. The device will then Beep x2 to confirm that it has successfully
been added. This process can be repeated with all the cards that need to be added. Once all of the cards have been added,
swipe the **Add Card Master Card** to end the add user car operation. (If there are no more operations, the device will
automatically exit the mode after 30 seconds). The device will return to the standby state.

Delete User Card

In standby mode, swipe **Delete Card Master Card** 3 times within 15 seconds. The LED light indicator will then flash red and the
device will Beep x4 to confirm that the device has entered the delete user card mode. Swipe the user card which is to be
deleted and then the device will sound Beep x2 to confirm the deletion. If a card which is not a user card is swiped, the device
will sound Beep x4 indicating that the card was not deleted because it was not currently a registered user card. This process
can be repeated With all the cards that need to be deleted. Once the cards that need to be have been deleted, swipe the
Delete Card Master Card to end the delete user card operation. (If there are no more operations, the device will automatically
exit the mode after 30 seconds). The device will return to the standby state.

Delete All User Cards

In standby mode, swipe **Delete Card Master Card** 3 times within 15 seconds. The LED light indicator will then flash red and the
device will Beep x4 to confirm that the device has entered the delete user card mode. Swipe the **Add Card Master Card** and
the device will sound Beep x7 Indicating that all registered user cards have been deleted and will not longer be able to unlock
the device. The device will then instantly return back to Standby mode.

User Operations

Every user card has an associated 4 digit passcode that a user may be required to or have the option of inputting to unlock the device. The default user passcode for all user cards is 0000 but this code can only be used to initially modify the user passcode. The default user passcode cannot be used to unlock the device.

To modify the user passcode | * | | Swipe User Card | | Old Passcode |

| # | | New Passcode | | # | | New Passcode | | # |

For all user cards, the Old Passcode will initially be the default user passcode which is 0000
The New Passcode must be a 4 digit code NNNN

There are 3 different settings that determine what a user with a user card must do to be able to unlock the device. These setting will have no impact on the public unlock code or the master cards.

Card access to unlock
In standby mode, swipe a valid register user card at the RFID area and the device will be unlocked. User passcodes will not be able to unlock the device.

Card or Passcode to unlock
In standby mode, either swipe a valid registered user card at the RFID area or input a valid user passcode + # and the device will be unlocked.

Cards and Password unlock
In standby mode, swipe a valid registered user card at the RFID area and then input the corresponding 4 digit passcode + #. If the passcode matches the card, the device will be unlocked. (Note, if the user passcode has not been modified, that user will not be able to access the device.