

# Secukey Vcontrol 1 Smart Video Intercom Access User Manual

## Smart Video Intercom Access

### Introduction

The device is Touch Key Access Controller with WiFi-enabled Intercom. People can install the APP for intercom with their smart phone, and program the access controller by touch key. It is compatible with both iOS (7.0 above) and Android (4.3 above).

### Features:

Intercom > 2.4G WiFi connection > Android and iOS available > Full duplex voice intercom > 2MP+wide angle camera and night vision > Support TF card with unlimited capacity > Support motion detection, playback, take picture/video, unlock remotely

Access Control > Touch key with one relay, 1000 users (988 common+2 panic+10 visitor) > PIN Length: 4-6 digits > EM card, Mifare card optional > Wiegand 26-44 bits input & output > Can be used as Wiegand reader with LED & buzzer > User data can be transferred > 2 devices can be interlocked for 2 doors

### Specification:

#### Video Intercom

##### Network

2.4G WiFi connection

##### Pixel

2.0Mpx (1080P)

##### Visual Angle

Horizontal 140° wide angle

##### Night Vision

IR-CUT (Colorful at daytime, black and white at night)

##### Extended Memory

TF card with unlimited capacity

##### Intercom

Full duplex voice intercom

##### Other Functions

Motion detection; Playback; Take picture/video; Unlock remotely

Access Control User Capacity Common User Visitor User Panic User 1000 988 10 2 PIN Length 4-6 digits

Proximity Card Reader Radio Technology Read Range EM or Mifare 125KHz/13.56MHz 2-6cm Wiring

Connections Relay output, exit button, alarm, door contact, Wiegand input/output Relay Adjustable Relay Output

Time Lock Output Load One (NO, NC, Common) 0-99 Seconds (5 seconds default) 2 Amp Maximum Wiegand

Interface PIN Output EM card version: Wiegand 26-44 bits input & output (Factory default: Wiegand 26bits) Mifare

card version: Wiegand 26-44 bits input & output (Factory default: Wiegand 34bits) 4 bits, 8 bits (ASCII), 10 digits

Virtual Number (Factory default: 4bits) Electric Operating Voltage Idle Current Active Current DC 12V <150mA

<250mA Environment Operating Temperature Operating Humidity Indoor -20°C – 60°C (-4°F – 140°F) 0%RH –

86%RH Physical Color Dimensions Unit Weight Shipping Weight Zinc-Alloy Silver & Black L145 x W68 x

D25(mm) Rectangle L149 x W70 x D25(mm) Ellipse 450g (Rectangle) / 400g (Ellipse) 550g (Rectangle) / 500g

(Ellipse)

### Carton Inventory:

Diode IN4004 (For relay circuit protection)

Wall Anchors

Self Tapping Screws: cD4\*25mm

Screw Driver

Master Card

Installation

> Remove the back cover from the unit > Drill 2 holes(A,C) on the wall for the screws and one hole for the cable > Knock the supplied rubber bungs to the screw holes(A,C) > Fix the back cover firmly on the wall with 4 flat head screws > Thread the cable through the cable hole(B) > Attach the unit to the back cover

Wiring

Wire Color Function Notes Basic Standalone Wiring Red DC + 12V DC Power Input Black GND Negative Pole of DC Power Input Blue Relay NO Normally Open Relay Output (install diode provided) Purple Relay Common Common Connection for Relay Output Orange Relay NC Normally Closed Relay Output (Install diode provided) Yellow OPEN Request to Exit(REX) Input Pass-Through Wiring (Wiegand Reader or Controller) Green Data 0 Wiegand Output (Pass-through) Data 0 White Data 1 Wiegand Output (Pass-through) Data 1 Advanced Input and Output Features Grey Alarm Output Negative contact for Alarm Brown Contact Input Door/Gate Contact Input (Normally Closed)

Sound and Light Indication

Operation Status LED Buzzer Stand by Red light bright Enter into programming mode Red light shines One beep In the programming mode Orange light bright One beep Operation error Three beeps Exit from the Programming mode Red light bright One beep Open lock Green light bright One beep Alarm Red light Shines quickly Beeps

APP Operation

Here are just a few steps to get you started. 1) Free APP Downloading Search TuyaSmart or Smartlife on Google Play or APP Store

2) Make sure WiFi works on your mobile phone.

1. Register & Login (Make sure the registered email is legal and valid, so that you can recover your password once forgotten. Mobile Number is for China Mobile ONLY)

You will get a verification code in your mail box.

2. Add Device

You can add device by clicking 'Add Device' or clicking '+' on the top. Before Adding the device, please make sure it is in adding mode (Door bell LED flashes slowly).

Note: To better manage the devices and family members, you will need to create a HOME before you begin to manage this device.

Intercom voice ON/OFF

Full screen

Take a picture Intercom ON/OFF

Take a Video Check the Alarm video record (To use this function, must insert a TF card in the device) Check the picture or video

Change the theme color

Adjust the volume of device

Motion detection ON/OFF

Unlock the door

3. Operation Revise device name and location, Check IP address, ID and time zone of device Configure one or more devices' automation Door bell LED ON/OFF; Flip screen 0 Adjust device volume

Motion detection ON/OFF, set the detection sensitivity, set alarm timer

Check the capacity (Total/Used/Remaining) of TF card, and format TF card Value-added Service If turn on it, a

notification will be sent after device stayed offline in 30 minutes. Check the FAQ related to device Q Share the device by Tuya account, message, email, or chat APPs. (Shared Users can't unlock the door and set the device, only Family Members can unlock the door.) ® Add a shortcut to your home screen. ® Restart the device Remove the device 4. Intercom Calling and Motion Detection

1. The APP is online when intercom calling
  2. The mobile is standby when intercom calling or detecting motion 2.1 Click "You have a visitor" message into the intercom interface 2.2 Click "Motion detected" message into alarm record interface
- Note: There are two ways to check the alarm record 1 .Click the Message button in the intercom interface 2.Check in the Message Center

## Keypad Operation

### Basic Configure:

Function Keystroke Steps Notes Set master code \* (Master Code) # 0 (New Code) # (Repeat New Code) # Default Master Code is 123456 Standalone/Controller mode \* (Master Code) # 7 7 # To put the device back to its default factory working mode Wiegand reader mode \* (Master Code) # 7 8 # Wiegand output Exit Press \* to exit programming

### Standalone/Controller Mode

#### Connection Diagram Common Power Supply

Attention: Install a 1 N4004 or equivalent diode is needed when use a common power supply, or the keypad might be damaged. (1 N4004 is included in the packing)

#### Access Control Power Supply

## Users Management:

Function Keystroke Steps Notes Add common card user \* (Master Code) # 1 (Read card) / (Input 8/10 digits card number) # Using auto ID, the cards can be added continuously \* (Master Code) # 1 (User ID) # (Read card) / (Input 8/10 digits card number) # Select specific ID, ID number: 0-987 \* (Master Code) # 1 (User ID) # (Card quantity) # (The first card 8/10 digits number) # Select specific ID, ID number: 0-987

Add common PIN user \* (Master Code) # 1 (PIN) # Using auto ID, the PINs can be added continuously \* (Master Code) # 1 (User ID) # (PIN) # Select specific ID, ID number: 0-987 Add panic user \* (Master Code) # 1 (User ID) # (Read card / Input 8/10 digits card number / PIN) # User ID number is 988,989; PIN length: 4-6 digits except 8888 Add visitor user \* (Master Code) # 1 (User ID) # (0-9) # (Read card / Input 8/10 digits card number / PIN) # (0-9) means times of usage, 0=10 times, after the certain number of times, the card/PIN become invalid automatically ID number: 990-999 Change PIN \* (User ID) # (Old PIN) # (New PIN) # (Repeat new PIN) # PIN length: 4-6 digits except 8888 Change PIN of Card + PIN access mode \* (Read card) (Old PIN) # (New PIN) # (Repeat new PIN) # There will auto allocate PIN (8888) to cards when adding Delete user \* (Master Code) # 2 (Read card) / (Input PIN) # Delete user by card/PIN, the users can be deleted continuously \* (Master Code) # 2 (User ID) # Delete user by ID number \* (Master Code) # 2 (Input 8/10 digits card number) # Delete user by card number \* (Master Code) # 2 (Master Code) # Delete all users Exit Press \* to exit programming

Tips for PIN Security (Only valid for 6 digits PIN): For higher security we allow you to hide your correct PIN with other numbers up to a max of 10 digits. Example PIN: 123434 You could use "(123434)\*\*" or "\*\* (123434) ("\*\*" can be any numbers from 0-9)

### Set Access Mode:

Function Keystroke Steps Notes Card access \* (Master Code) # 4 0 # Entry by card only PIN access \* (Master Code) # 4 1 # Entry by PIN only Card + PIN access \* (Master Code) # 4 2 # Entry by card + PIN Card or PIN access \* (Master Code) # 4 3 # Entry by card or PIN (default) Multi user access \* (Master Code) # 4 3 (2-9) # Only after 2-9 valid users, the door can be opened. The interval time of reading can't exceed 5 seconds Exit \* Press\* to exit programming

### Operation Setting:

Function Keystroke Steps Notes Relay time setting \* (Master Code) # 3 (1-99) # Time range: 1-99s (default is 5 seconds) Relay toggle mode \* (Master Code) # 3 0 # Set the relay to ON/OFF toggle mode Strike-Out OFF \* (Master Code) # 6 0 # Normal mode (default) Strike-Out ON \* (Master Code) # 6 1 # Access will be denied for 10 minutes after 10 failed entry attempts. (Exit button is still workable) Strike-Out ON (Alarm) \* (Master Code) # 6 2 #

It will alarm after 10 failed entry attempts. Enter any valid card / PIN # (user or master) to silence Disable door open detection \* (Master Code) # 6 3 # Normal mode (default) Enable door open detection(Request to connect magnetic contact) \* (Master Code) # 6 4 # Door open too long (1 minutes) or door forced open detection. Enter any valid card / PIN # (user or master) to silence Alarm time \* (Master Code) # 5 (0-3) # Time range: 0-3 minutes, default is 1 minute Disable sound \* (Master Code) # 7 0 # Sound closed Enable sound \* (Master Code) # 7 1 # Sound activated (default) LED always OFF \* (Master Code) # 7 2 # LED is off under standby LED always ON \* (Master Code) # 7 3 # LED is on under standby (default) Keypad backlit always OFF \* (Master Code) # 7 4 # Turn off keypad backlit Keypad backlit always ON \* (Master Code) # 7 5 # Turn on keypad backlit Keypad backlit automatic OFF \* (Master Code) # 7 6 # Automatic off after 20s, it will go ON by pressing any key (this key isn't taken into consideration) (default) Set Wiegand input \* (Master Code) # 8 (26-44) # EM version default is 26 bits Mifare version default is 34 bits Disable parity bits \* (Master Code) # 8 0 # Disable parity bits Enable parity bits \* (Master Code) # 8 1 # Enable parity bits (default) PIN input bits \* (Master Code) # 8 (4 or 8 or 10) # 4=4 bits, 8=8 bits(ASCII), 10=10 digits virtual number Exit \* Press \* to exit programming

Note: For connecting Wiegand reader with 32, 40 bits input, need disable parity bits

#### Master Card Usage

Using Master Card to add and delete users Add Card/ PIN Users 1. Input (Master Card) 2. Input (Card) or (PIN #) Repeat step 2 for additional users 3. Input (Master Card) again Delete Card/ PIN Users 1. Input (Master Card) Twice within 5s) 2. Input (Card) or (PIN #) Repeat step 2 for additional users 3. Input (Master Card) again Users Operation & Reset to Factory Default > Open the door: Read valid user card or input valid user PIN # > Remove Alarm: Enter Master Code # or Master Card or valid user card/PIN > To reset to factory default & Add Master Card: Power off, press the Exit Button, hold it and power on, there will be two beeps, then release the exit button, the LED light turns into yellow, then read any 125KHz EM card/13.56MHz Mifare card, the LED will turn into red, means reset to factory default successfully. Of the card reading, it is the Master Card.

Remarks: 0 If no Master Card added, must press the Exit Button for at least 5 seconds before release.(this will make the previous registered Master Card invalid) ED Reset to factory default, the user's information is still retained.

#### Wiegand Reader Mode Connection Diagram

##### Access Controller Set Wiegand Output:

Function Keystroke Steps Notes Set Wiegand output \* (Master Code) # 8 (26-44) # EM version default is 26bits Mifare version default is 34 bits Disable parity bits \* (Master Code) # 8 0 # Disable parity bits Enable parity bits \* (Master Code) # 8 1 # Enable parity bits (default) PIN output bits \* (Master Code) # 8 (4 or 8 or 10) # 4=4 bits, 8=8 bits(ASCII), 10=10 digits virtual number Exit \* Press \* to exit programming

Note: For connecting Wiegand controller with 32, 40 bits input, need disable parity bits

Advanced Application User Information Transfer (Valid for Card / PIN Users) The device supports the User Information Transfer function, and the enrolled user (cards, PINs) can be transferred from one (let's name it Master Unit) to another (let's name it Accept Unit).

#### Connection Diagram:

The Device Interlock Remarks: The Door Contact must be installed and connected as the diagram. Let's name the two Devices as "A" and "B" for two doors "1" and "2"

#### Connection Diagram:

##### The Device

If enable interlock, when and only door 2 is closed, the user can read the valid fingerprint/ card or input PIN on ReaderA, door 1 will open; then when and only door 1 closed,read valid fingerprint/card or input PIN on Reader B, door 2 will open.


#### Advanced Setting:

Function Keystroke Steps Notes Transfer users \* (Master Code) # 9 8 # The master code of two devices must be same. Program on Master Units only. Disable interlock \* (Master Code) # 9 0 # Disable interlock (default) Enable interlock \* (Master Code) # 9 1 # The users in two devices must completed same Exit \* Press\* to exit programming

Simplified Instruction Function Description Operation Enter the Programming Mode \* – Master Code – # then you

can do the programming (123456 is the factory default master code) Change the Master Code 0 – New Code – #  
– Repeat the New Code -# (code: 6 digits) Add Card User 1 – Read Card – # (can add cards continuously) Add  
PIN User 1 – PIN -# (The PIN is any 4-6 digits except 8888 which is reserved ) Delete User 2 – Read Card – # 2 –  
PIN – # Exit from the Programming Mode \* How to release the door Card User Read Card PIN User Input PIN #  
Mobile User By Mobile  
140° Wide Angle Touch Button Multi-users Max 2.0Mpx Support TF Card Montioring Video Talking Night Vision  
Remote Unlocking

## Documents / Resources

	<a href="#">Secukey Vcontrol 1 Smart Video Intercom Access</a> [pdf] User Manual Vcontrol 1 Smart Video Intercom Access, Vcontrol 1, Vcontrol 1 Intercom Access, Smart Video I ntercom Access, Intercom Access, Smart Video Intercom, Video Intercom, Smart Intercom, Inte rcom
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