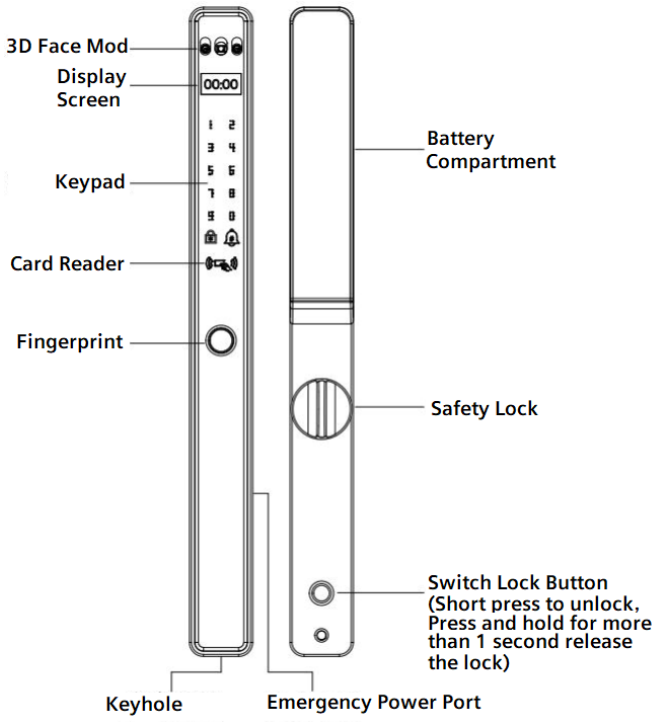
Stainless Steel 3D Face Automatic Smart Lock

User Manual
V1.0

- Available radar human body sensing ,3D facial recognition unlocking
- Facilitates facial recognition under low-light and strong light conditions
- Bluetooth unlocking via(Tuya Smart App or Tuya Smart WeChat Mini Program), along with options for fingerprint, card, password (including temporary passwords), and mechanical key access
- Allows Bluetooth unlocking via APP authorization
- Facilitates user management within the APP (adding/deleting users) and lock activity record query
- Supports remote unlocking via Bluetooth and remote control (optional feature)
- Enables combination unlocking methods
- Equipped with Over-The-Air (OTA) upgrade capability
- Constructed with SUS304 stainless steel for durability
- Incorporates a virtual password function to prevent peeping
- Includes alerts for low battery, incorrect attempts, and antitamper security
- Features an emergency power supply interface (TYPE-C)
- Enables quick indoor unlocking
- Employs automotive-grade lithium batteries for stable power supply in harsh environments
- Adjustable waterproof rating to enhance outdoor usage experience

Product Specification



Specification

Unlock Method:	Standard: fingerprint, password, ID card ,Backup keys, APP unlocking(Tuya) Optional: 3D face, Bluetooth remote control, remote unlocking(Tuya)
Battery	7.4V 2600MAH lithium battery
Operating current	Static: <130 microamps dynamic <2A
User Capacity	3D face: Face≤100, Fingerprint≤ 100, Card≤ 100, Password ≤ 50 Fingerprint: Fingerprint≤100 ,Card≤100, Password≤50
Unlock time	0.5 seconds
Face recognition distance	0.3~1 meter
Recognition error	≤0.0001%
Number of records	1000
Distance of Bluetooth	10~15 meters
Operating temperature	-35°C~70°C
Relative humidity	93% 3%

1.Installation Instructions：

1)In the initial state, press "55544433#" to quickly switch the direction of the motor.
2)After installing the lock body, first put the fake lock in the accessory package into the lock body, and when installing the front panel, you need to lock the front panel cylinder,The toggle piece is cut to a suitable length, and then inserted into the fake lock, and after installation, it is necessary to test whether the mechanical key unlocks smoothly. After the test is OK, reset the key and dial it out.
3)When installing the rear panel, align the square steel hole of the rear plate knob with the square steel hole of the motor, and the pin on the square steel is in the same direction as the motor pin hole, and insert the square steel into the square steel hole of the motor by the pin end according to the steel pin below, so that the pin is stuck into the motor pin hole. (The square steel is truncated to the appropriate length according to the actual door thickness, and when the rear plate is installed on the door, it can not be pushed to the front plate)

4)After the door lock is installed, you should check the door knob to manually open and close the lock, verify whether the unlocking and system locking are smooth and whether the knob can be returned normally, if it cannot be returned normally, please adjust the door lock to ensure that the square steel hole of the lock body is concentric with the square steel hole of the panel knob, and the panel is not dislocated up and down or left and right.

5)Before the door lock is loaded into the battery, snap the silicone cover of the battery box mounting hole into the battery box mounting hole, after loading the battery,First, put the silicone cover of the battery box into the battery compartment in the corresponding direction (the direction of the notch is facing up), then press the battery box cover in place with the hole, and then push it down into the clamp.

2. Reset factory settings (two ways)

1)Restore factory settings by button:

Remove the battery, press and hold the switch lock button on the rear panel, then put in the battery, and release the button after the system voice prompts "Please confirm whether to restore factory settings", and press the # key to confirm.

2)Factory reset via system menu:

Press '*#' to verify the administrator password and enter the system menu --4 Information Query --3 Factory Reset, select 3 and then the system voice prompt "Please confirm whether to restore factory settings", press the # key to confirm.

3. Other notes

1)In the factory state, any fingerprint, face, IC and default password 123456 can open the door, please enter the user information in time.

2)Key description: 0-9 is the number key, '*' is the lock key and backspace key (A, enter the '*' key after waking up, and there is no other key input within 1 second, the door is locked; If there are other key inputs within 1 second, it will not respond to the lock operation; B. When entering the password, enter the '*' key to delete the previous key), the '#' key is the confirmation key (the doorbell key is the doorbell key when there is no key input)

3)If the verification error is more than 5 times in a row, the system will alarm and lock for 90 seconds, and will not respond to the current operation.

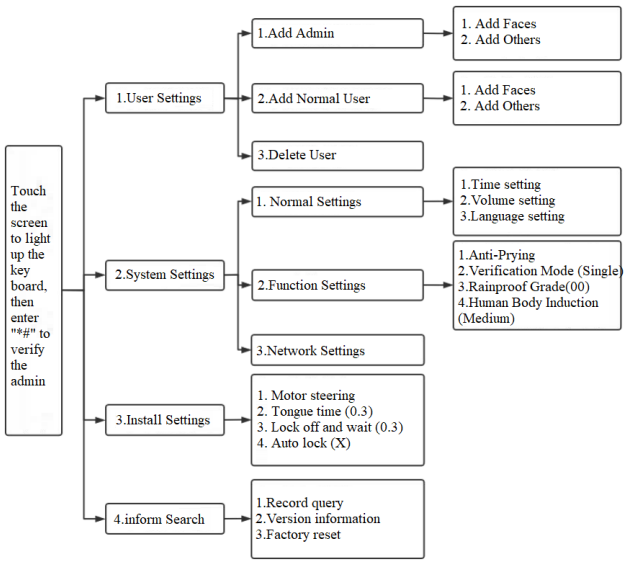
4)When the human body sensing function is turned on, the face recognition will be activated after the door lock senses the person (the door lock is woken up for 5 consecutive times, but no face is recognized, the system will automatically turn off the human body sensing function, and the combination of rainproof level setting for outdoor use can effectively avoid frequent false awakening of the door lock and the shortening of battery life). If the human body sensing function is turned off, you need to touch the password button area to wake up the door lock, and the face recognition will be activated at this time.

5)The human body sensing function will be delayed for 15 seconds and then restarted after each unlocking to prevent accidental activation when going out.

6)Password anti-peeping function: enter the password as follows when the password opens the

Functions & Operations

Touch the screen to light up the keyboard, then enter "*#" to verify the administrator password to enter the system menu. When you operate for the first time, you need to add the management password according to the system prompts (the password has 6 digits, this administrator password cannot be deleted or modified, if you need to change it, you need to initialize the door lock and reset it), and enter the system menu after successfully adding the administrator information.



User Settings

1.Add User

Enter the system settings page ,press ‘1’ ,enter the user settings ,then enter ‘1’ or‘2’ as needed, select Add Administrator or Normal User, after entering the next level menu, the system prompts to add face selection Press ‘1’, add other (fingerprint, password or card) Press ‘2’

(1) Add Face: after selecting ‘1’ in the menu to add face, the system announces the new user number currently entered and prompts the face-facing camera, and the user is 30-80 CM away from the door lock and looks at the camera, and carries out corresponding operations according to the voice prompt,

(2) Add fingerprint: put the finger to be entered in the fingerprint entry window, enter the same finger four times in a row according to the voice prompt, the system prompts "add successfully" and broadcasts the number of the current entered fingerprint, completes fingerprint entry.

(3) Add password: enter the 6-10 digit password that needs to be added, press the‘#’ # key to confirm, the voice prompt "please enter again", enter the same set of passwords again and press the ‘#’ key to confirm, the system prompts "add successfully" and broadcasts the number of the current input password, and completes the password entry.

(4) Add IC card: close the IC card that needs to be added to the IC card sensing area of the keyboard, and the system prompts "Added successfully" and broadcasts the number of the current IC card to complete the IC card entry.

2. Delete the user

After entering the system menu, select '3' to delete the user, the system prompts "Please enter the number, press the '# 'key to confirm", enter the number to be deleted, press the '# 'key to confirm", the system prompts "Delete successfully"

System settings

1.General settings

After entering the system menu, select 2 to enter the system settings menu, enter 1 to enter the general settings interface, and you can enter

Line the following settings:

(1) Time setting

After entering the general settings menu, enter 1 to set the time, enter the current date and time in turn,Press the # button to confirm, and the system prompts "Operation Successful" to complete the time setting. (Note: When the mobile phone is connected to the door lock, the system time will be automatically synchronized)

(2) Volume setting

Once in the general settings menu, enter 2 to enter the volume settings menu, press input 4 to decrease the volume, and enter 6 to increase,At a high volume, enter the # key to confirm, and the system prompts "Operation Successful" to complete the volume setting.

(3) Language settings

Once in the General Settings menu, enter 3 to enter the language settings menu, enter 1 or 2, and select Chinese or English , the system uses the current set language to prompt

"Operation Successful".

2. Function settings

After entering the system menu, select 2 to enter the system settings menu, and enter 2 to enter the function setting interface.The following feature settings are made:

(1) Anti-pry setting

After entering the function setting menu, enter 1, and the system prompts "Operation Successful", and the system turns on the anti-pry (√) or anti-pry off (×). When the anti-pry function is turned on, the door lock will sound an alarm when the lock panel is pried open, and it will stop for 5 minutes (or the alarm will be released after verifying unlocking).

(2) Verification mode

After entering the function setting interface, enter 2, and the system prompts "Operation Successful", and the system is in single verification mode and double verification switch between modes.

(3) Rainproof rating

After entering the function setting menu, enter 3, and the system prompts "Please enter the level", you can select the rain protection level that needs to be set from 0-9, and the system prompts "Operation Successful" after entering to complete the rain protection level switching.

Note: The default rainproof level is 0, and the fingerprint head has the highest wake-up sensitivity at this time, which is suitable for indoor use, and is easy to be woken up by rain for outdoor use. At level 9, the fingerprint head has the lowest wake-up sensitivity, which can effectively prevent rain from waking up the door lock and avoid the door lock from consuming power quickly. The higher the level value, the lower the wake-up sensitivity of the fingerprint head, and when the door lock screen is not lit, the pressure required to use the fingerprint will be slightly greater, please set the level according to the use scenario and fingerprint unlocking experience. (If you can't wake up the door lock for fingerprint recognition after setting the high level, you can touch the keyboard area to light up the screen and then perform fingerprint verification)

(4) Human body sensing

Enter 4 after entering the function setting interface, and the system prompts "Operation Successful" to complete the disabling of the human body sensing function.

Human body sensing (high): sensing distance 0.7-1.1 meters

3. Distribution network settings

Enter 3 in the system settings menu to enter the network configuration state. At this time, you can add the door lock in the Tuya APP to manage the door lock with your mobile phone.

Shortcut: **After waking up the screen, enter 2#, and the door lock will enter the network configuration state after successfully verifying the administrator**

Installation settings

1. Motor steering

Press 3 to enter "Installation Settings", enter 1 to select "Motor Steering", and the system will switch the motor to turn left and right

and broadcast "Operation Success". After setting, exit the menu check, and switch the lock to check whether the setting is correct.

2. Oblique tongue time

In the installation setting menu, enter 2 to select the oblique tongue time, and the system prompts "please enter the time", and you can enter the reversal time of the emergency knob at the moment when the oblique deadbolt pops up when the door is opened according to the requirements of the lock body. (Note: The unit of reversal time is: 0.1 seconds, default 0.3s). The time is set according to the numeric buttons, e.g. press "1" to set the time to 0.1 seconds, press "2" to set the time to 0.2 Select the desired time from "1 - 5", i.e. 0.1 to 0.5 seconds. Set up

After the time, for example, select "1" to announce "Setup Successful".

3. Close the lock and wait

In the installation settings menu, enter 3 to select the locking time, and the system prompts "Please enter the time" to select the waiting time from 1-5, that is, 1-5 seconds.

Note: The waiting time for closing the lock is the waiting time between unlocking and the reversal of the diagonal tongue, and the default waiting time is 3

Second.

4. Automatic locking

In the installation settings menu, enter 4 to select auto-lock, the system prompts "Operation successful", and the system switches between auto-lock (√) (on) or auto-lock (×) (off).

Note: After auto-locking is enabled, it will be automatically unlocked after 15 seconds each unlocking.

Information Search

1. Record inquiry

After entering the system menu, select 4 to enter the information query menu, enter 1 to enter the record query interface,

You can check the door opening record. 4 keys are the previous one, 6 keys are the next one, and 1000 records can be stored.

2. Version information

After entering the system menu, select 4 to enter the information query menu, and enter 2 to display the system version information.

3. Restore the factory

After entering the system menu, select 4 to enter the information query menu, enter 3 to select factory reset, the system prompts whether to restore factory settings, press the # key to confirm, and the * key to cancel.

Tuya APP(Bluetooth function needs to be turned on)



Download the Tuya app to manage your home more easily

Add devices

1. Press '*#' on the door lock to verify the administrator password and enter the system menu, and then press 2 system settings on the lock into 4 network settings pages .

set (or press 2# in standby mode) to make the door lock enter the network configuration state, the screen will display "network configuration" and the keyboard light will flash. 2. Open the Tuya Smart APP, at this time, the APP will pop up a pop-up window "Find the device to be added", click the add button below (if there is no pop-up prompt, you can also click the add button in the upper right corner of the screen, select Add device, the APP will automatically search for nearby devices, after searching for the door lock, the APP prompts to find the device, click the add button on the right), at this time, the APP will show that 1 device is being added, wait for the APP to prompt the operation is successful, click the finish button to complete the addition of the door lock.

Door lock management

1. APP unlocking

Close to the door lock, when the mobile phone is connected to the door lock, click on the current door lock in the APP, and press and hold the button in the middle of the screen to unlock the lock.

2. User management

Click the "Family" icon at the bottom left of the screen to enter the user management settings, you can add family members, manage, add and delete unlocking information, and operate according to the APP prompts.Hijacking and unlocking settings: When adding or managing fingerprints, passwords, or card unlocking information, after turning on the "Special Password" function, the device owner will receive a hijacking alarm message when using the unlocking information to unlock the lock.

3. Temporary unlocking management

Click the "Temporary" icon at the bottom left of the screen to enter the temporary unlocking settings, and you can proceed to perform operations related to the temporary unlocking information, and operate according to the APP prompts.

(1) "Time-limited", "single-time" and "empty" are offline passwords, and the APP does not need to be close to the door lock when generating the "time-limited", "single-time" and "empty" passwords, and the password can be unlocked or emptied temporarily by entering the group of passwords on the door lock after the password is generated. (*The door lock time must be the same as the current time)

Valid time: The "time-limited" password is valid for 6 hours for the "one-time" password (used at least once within 24 hours) and the "clear" password for 24 hours.

(2) The "custom" password is an online password, which needs to be close to the door lock or operated on the Internet.

(3) On the "Mobile Phone" page, you can share the door lock with a temporary user through a mobile phone or email account, and set a temporary user,Expiration date. The other party can open and close the door lock through the Tuya Smart APP

3. Remote function (optional gateway)

Add the gateway and door lock to the APP and associate it (operate according to the APP prompts), realize remote door opening (you need to turn on the remote unlocking option of the door lock in the APP), add and delete users, etc., and all operation records will be upload to the APP .

4. Bluetooth remote control (optional)

1. Pairing

Press and hold the middle button of the remote control until the blue light lights up, and the blue light of the Bluetooth remote control starts to flash slowly after release. Use the Bluetooth function of the mobile phone, open the Tuya Smart APP, and tap the upper right corner to add a device. I found a device called "Bluetooth remote control".Ready, click Add. After the addition is successful, the Bluetooth remote green light flashes once.

2. Add a Bluetooth key and bind a Bluetooth lock

After entering the interface of the Bluetooth key for the first time, click to add a permanent Bluetooth key according to the prompts of the APP. After adding, in the case of ensuring that the corresponding Bluetooth lock that needs to be bound is online, click the interface door lock icon, click the add button, select the Bluetooth lock that needs to be bound, and the APP prompts success.

3. Unlock

After disconnecting the phone and the Bluetooth remote control from the Bluetooth door lock (directly turning off the Bluetooth of the mobile phone or killing the process of the Tuya Smart APP), short press the middle button of the Bluetooth remote control, and the blue light of the Bluetooth remote control flashes quickly, indicating that the device is being searched.

The green light flashes once to indicate that the Bluetooth remote has been found and unlocked successfully. If the Bluetooth still not finds the device after 10 seconds, the red light flashes once. When the device is low, the red light flashes 4 times.

Note: The effective distance of Bluetooth remote control is 15 meters.

4. Initialization

aAfter connecting with the phone, press the pencil button in the upper right corner and tap Remove Device in the settings interface

bDisassemble the Bluetooth key shell, press and hold another small button until the device blue light lights up, releases, the device starts to initialize, and when the white light lights up again, the device initialization is successful.

Packing List

Description	Size	Quantity
Stainless steel flat head screws	M5*25mm	1
Stainless steel flat head screws	M5*45mm	1
Stainless steel flat head screws	M5*75mm	1
Stainless steel flat head screws	M5*75mm	1
M5 to M6 connecting rod	35mm	2
M5 to M6 connecting rod	45mm	2
Square steel	90mm	1
Battery compartment mounting hole silicone cover		1
Emergency Power Silicone Plug		1
Fake lock head		1

Note:

1. When installing, please choose the matching screws according to the door thickness, and adjust the square steel according to the door thickness.

2. After the door lock is installed, before loading the battery, please install the silicone cover of the battery box mounting hole into the corresponding installation hole in the battery box; The silicone plug of the emergency power supply is installed into the emergency power interface.

Scan the QR code below to watch the video

installation video

Setting video

APP connection video

remote control connection video