

68 x 60 Automatic Mortise



5000mAh Li-Ion Battery



A93 Cylinder with 2Pcs #37XL Key



IC Card



Space Grey

Works with



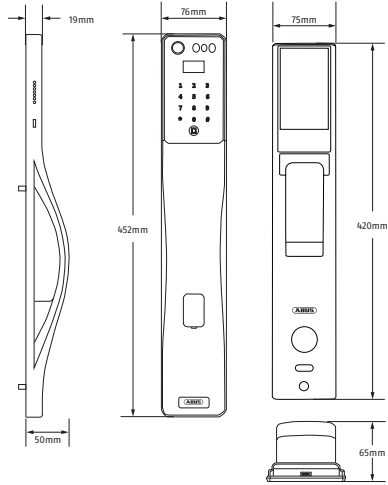
Features

- Lock Dimension: 452mm(H) x 76mm(W) x 19mm(T)
- Material: Aluminium Alloy, Tempered Glass
- Face Recognition Distance: 30-100cm
- Unlocking Way: Palm Vein, 3D Facial Recognition, Fingerprint, Password, Mechanical Key, Combination Unlock, IC Card, APP
- Power Supply Method: Lithium Battery
- Working Temperature: -25~70°C
- Working Humidity: 15%~93%
- Working Voltage: 7.4V

	Video Intercom		Anti-Dismantling Alarm
	Palm Vein Recognition		NFC Unlock
	3D Facial Recognition		Low-Power Prompt
	Fingerprint Unlock		Doors hinges on left side
	Password Unlock, OTP (One-Time Password)		Doors hinges on right side
	Mechanical Key Unlock		Anti-Drill Protection
	IC Card Access		KA - Keyed Alike MK - Master Key System



Space Grey



68 x 60 Automatic Mortise



5000mAh Li-Ion Battery



A93 Cylinder with 2Pcs #37XL Key



IC Card



Venus Black

Works with



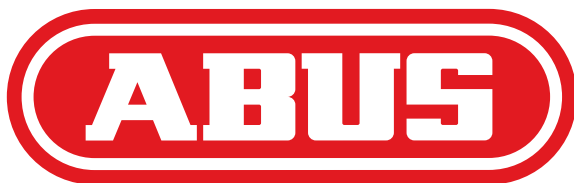
Features

- Lock Dimension: 452mm(H) x 76mm(W) x 19mm(T)
- Material: Aluminium Alloy, Tempered Glass
- Face Recognition Distance: 30-100cm
- Unlocking Way: Palm Vein, 3D Facial Recognition, Fingerprint, Password, Mechanical Key, Combination Unlock, IC Card, APP
- Power Supply Method: Lithium Battery
- Working Temperature: -25~70°C
- Working Humidity: 15%~93%
- Working Voltage: 7.4V

	Video Intercom		Anti-Dismantling Alarm
	Palm Vein Recognition		NFC Unlock
	3D Facial Recognition		Low-Power Prompt
	Fingerprint Unlock		Doors hinges on left side
	Password Unlock, OTP (One-Time Password)		Doors hinges on right side
	Mechanical Key Unlock		Anti-Drill Protection
	IC Card Access		KA - Keyed Alike MK - Master Key System

A9R Automatic Smart Lock

Product Model	A9R	Battery Type	5000mAh Lithium-ion Battery
Product Type	Automatic Smart Lock	Working Humidity	15%RH~93%RH
Product Color	Black	Operation Temperature	-25°C - 70°C
Lock Cylinder	EURO-profile	Working Voltage	7.4V
Appearance Material	Aluminium Alloy, Tempered Glass	Fingerprint Sensor Type	Capacitive Sensor
Mobile APP	Tuya App	Fingerprint Reader Resolution	508dpi
Networking Method	WiFi	Fingerprint Collection Range	±180°
Unlocking Method	Palm vein, 3D Face, Fingerprint, Key, Card, APP, Digital Password	Refusal Rate	<0.1%
Facial Recognition Distance	30 - 100cm	False Recognition Rate	<0.001%
Face Capacity	50	Card Type	M1, NFC
Palm Vein Capacity	50	Keypad Type	Touch Sensor
Fingerprint Capacity	100	OLED Display Screen	0.96" OLED
Card Capacity	100	Battery Life	Number of door openings ≥ 3000 times
IC Card	2	External Emergency Power Supply	Type-C
Key	2		



Security Tech Germany

Smart Door Lock User Manual

A9R

Important Information

- Before using Smart Door Lock, please read and understand all instructions.
- Damage caused by non-compliance operation against the instructions will not be covered by warranty.
- Use the manufacturer specified accessories/components only.
- Use only the alkaline batteries the product is equipped with, or use the same type of batteries with the same specification. (Please DO NOT use Energizer alkaline batteries)
- Do not scrape the fingerprint sensor with sharp objects, otherwise it may cause permanent damage.
- Do not expose the product to water leakage or splashing environment.
- Do not expose the product to corrosive substances, in case the outer casing protective layer being damaged.
- Do not hang any objects on the handle, in case it might affect the normal use of the lock.
- Please clean the product with a soft cloth.
- Do not remove the batteries during set-up operation.
- Please let a professional technician to install the lock as per the installation guidelines provided. Do not disassemble the lock by yourself. Keep the relevant seal labels properly.
- Please modify the default master PIN code immediately after installed and debugged.
- Please keep the mechanical key properly and do not leak your password info easily.
- Please replace all the batteries immediately if there is a low battery alarm. Please make sure to correctly match the poles (+/-) when installing the batteries.



- Do not place the battery close to the fire source to avoid explosion.
- Do not use any emergency power supply that does not meet the safety requirements to power the product.
- Do not connect the 2 poles of the batteries with metals to avoid short circuit which may lead to an explosion.
- Please make sure any component replacement is executed by Abus, Abus authorized service center or professional technicians.
- Do not use accessories or components that have been produced by other manufacturers or have not been specifically recommended by Abus. Use of such accessories and components may void your warranty.



- *The default master PIN code is 123456.

Product Parameters

Serial number	Parameter Name	Specification parameters
1	Comparison Mode	1 : N
2	Type Of Collection Head	Self-learning capacitive press fingerprint head
3	Acquisition Head Resolution	508dpi
4	Refusal Rate	< 0.1%
5	False Recognition Rate	< 0.001%
6	Fingerprint Collection Range	±180°
7	Card Type	M 1
8	User Capacity	Total capacity 250 groups: up to 100 fingerprints, 50 faces, 50 palm veins, up to 100 cards, unlimited passwords. Administrator ID range 000-009, ordinary user ID range 010-249
9	Operation Record	Scroll 600 items
10	Battery Lifespan	Door opening times ≥ 3000 times
11	Working Voltage	7.0V~8.4V, low voltage alarm voltage 6.8+0.2V
12	Dynamic Power Consumption	≤ 1A (no motor action, no playback sound)
13	Static Power Consumption	≤ 200uA (average power consumption)
14	Verification Time	≤ 3s (including the entire unlocking process)
15	Keyboard Type	Touch sensing
16	OLED Display Screen	0.96" OLED
17	External Emergency Power Supply	5V1A Micro USB
18	Anti-Static Ability	≥ 8KV (contact type)>15KV (non-contact type)
19	Storage Temperature	-25°C ~ 80°C
20	Working Temperature	-25°C ~ 70°C
21	Ambient Humidity	15%RH ~ 93%RH
22	Charger Current Rating	5V 2A **Strictly use original charger and cable**

Setting description

1. Initialization

Long-press the back panel settings button or the lock button for 5 sec, the voice prompt: "Restore the factory settings, confirm by pressing the # key, to cancel by pressing the * key." To confirm the reset, press the # key. If you wish to cancel the operation, press the * key instead.

After confirming, the system will restart to its initial state. In this state, any face ID, fingerprint, password, or card can unlock the lock.

Note: This operation does not clear the pre-set door opening direction and torque parameters.

2. Low Battery Warning

When the battery level drops below 25%, the system will provide a voice alert stating, "Low battery" during the unlocking process. Even at this low level, the lock can still operate and unlock approximately 50 more times before the battery fully depletes.

It is important to charge or replace the battery in a timely manner to ensure continued functionality and avoid being locked out.

3. External USB Emergency Power Supply

In the event of a low battery situation, you can use an external USB emergency power supply and it takes approximately 30 seconds for the lock to unlock.

4. Detection of Unauthorized Access

If there are 3 to 5 consecutive failed attempts to unlock the smart lock, it triggers a security alert. After the initial failed attempts, the lock will broadcast a message stating: "Illegal user, illegal intrusion, owner notified."

After the 5th failed attempt, the system will automatically lock down for a period of 90 seconds and it will not respond to any further user actions during this period. After the 90-second lockout period, the smart lock will reset, and the user can attempt to unlock it again.

5. Virtual password

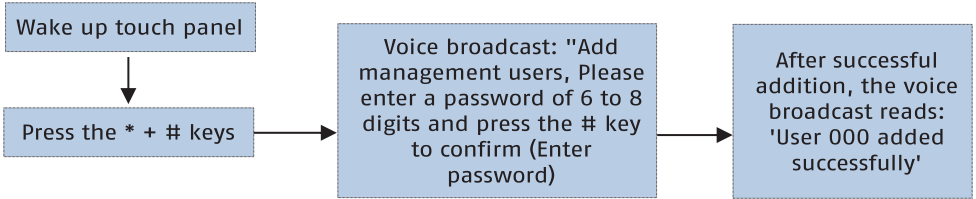
The feature allowing additional numbers to be added before and after a numeric password is an effective way to enhance the security. For example, if your actual password is "123456", you can enter "42612345745", where any combination of digits before and after the password to unlock the lock. Note: The system recognizes the first 16 digits you input.

6. Version number

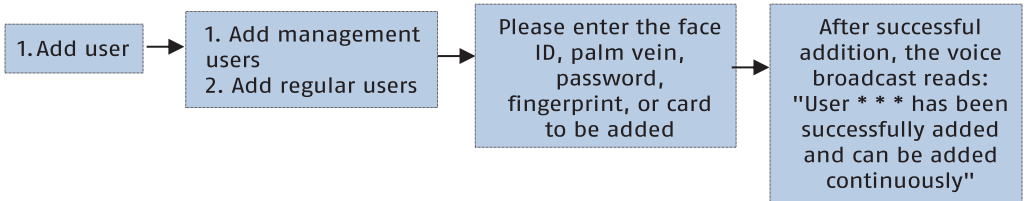
Enter 999 # to read the system version number.

Function and Operation

Add Administrator Password For The first Time



1. Add User



Face : Voice broadcast "Please enter face ID or palm vein", parallel the camera to the face to be entered at a distance of 30-80CM, and continuously enter according to the voice prompt.

Palm vein : Voice broadcast "Please enter face or palm vein", parallel the camera to the hand at a distance of 20-30CM, and continuously enter according to the voice prompt.

Fingerprint : The user places their finger on the fingerprint sensor and receives a voice prompt saying "Please press your finger again". The user then places the same finger on the sensor and continuously records the information.

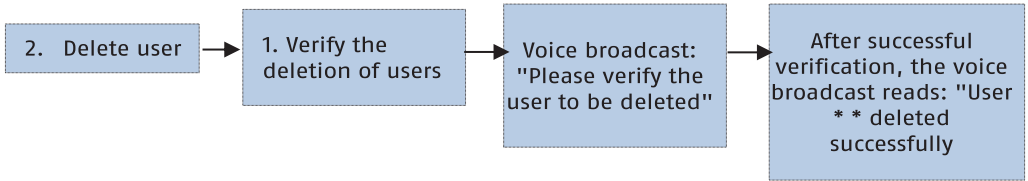
Password : The user enters a 6 to 8-digit password and presses the # key to confirm.

Card : The user brings the card close to the touch keyboard IC card sensing area, and the system automatically reads and saves the card information.

Note: Number of managed users: 000-009, a total of 10 digits; Number of ordinary users: code 010-249, a total of 240 digits.

2. Delete user

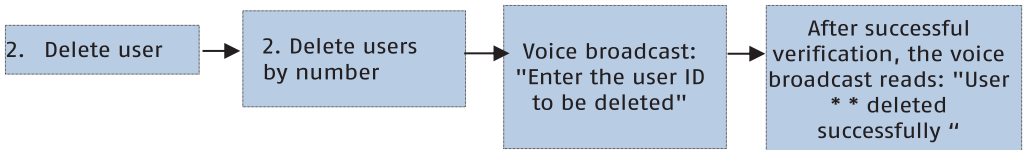
2.1 Verify the deletion of users



Verification method:

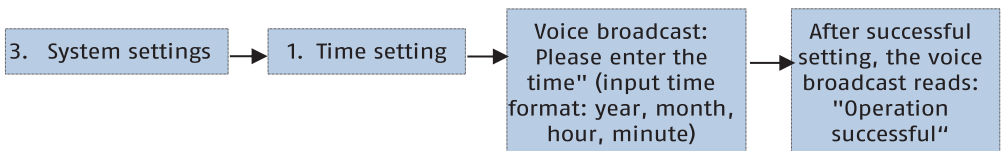
- Face : The user's front face is parallel to the camera at a distance of 30-80cm.
- Palm vein : The palm parallel camera to be deleted is at a distance of 20-30CM.
- Fingerprint: Place the finger to delete the fingerprint on the fingerprint sensor.
- Password : Enter the password to be deleted.
- Card : Place the IC card to be deleted close to the sensing area of the touch keyboard. If the user exists in the system, the voice broadcast will say 'deleted successfully'; If the user does not exist, the voice broadcast will say: 'Operation failed'.

2.2 Delete users by number



3. System settings

3.1 Time setting



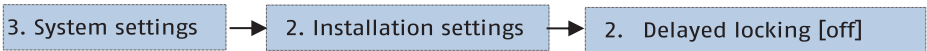
3.2 Installation Settings

① Verify the deletion of users



Note: The opening direction should be based on the unlocking direction outside the door.

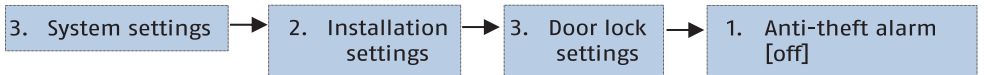
② Delayed locking



· Delayed locking: After unlocking, the door lock automatically locks within a specified time. Users can set: 10S, 15S, 20S, 30S, 60S, 120S.

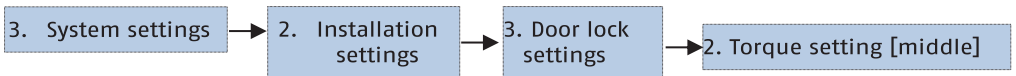
③ Door lock settings

~ Anti-theft alarm



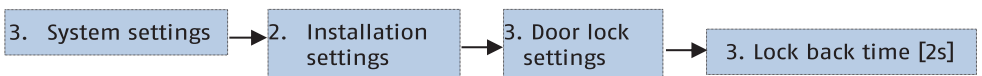
Note: After activating the anti-theft alarm, if the door lock is pried, the system will issue an alarm prompt: "illegal user, illegal intrusion, owner has been notified". If the device is connected to the internet, alarm information will be pushed to the mobile phone.

~ Torque setting



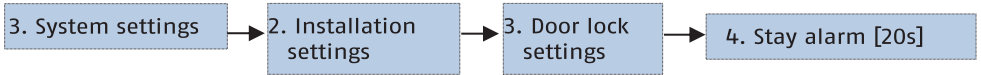
Note: The torque setting is based on the strength of the motor torque.

~ Lock back time



Note: The locking time refers to the rebound time of the locking tongue, and the set time range is between 2s and 9s.

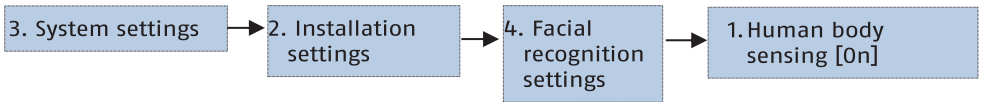
~ Stay alarm



Note: If a human body is continuously detected for more than the set dwell time within 1 minute, a dwell alarm will be triggered and pushed to the distributed network equipment, which will default to a local sound and light alarm.

~ Face recognition settings

- Human body sensing



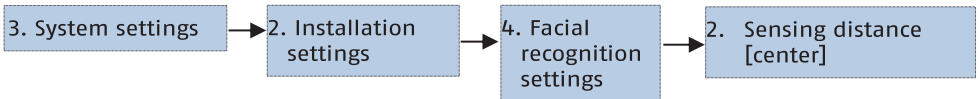
Note:

1. Classification of human body sensing function!

- ~ Human body sensing [off]: The door lock does not perform human body sensing.
- ~ Human body sensing [intelligence]: The door lock only performs human body sensing when the door is closed.
- ~ Human body induction [on]: The door lock will undergo human body induction in any state.

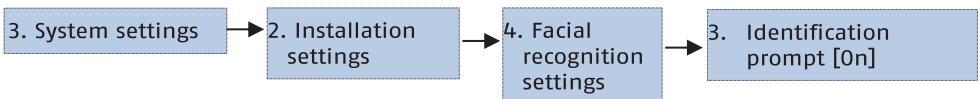
2. Wake up continuously for 10 times without recognizing a face, and the human body sensor will be turned off by default for 5 minutes.

- Sense distance



Note: Sensing distance [near]: about 30-50cm; sensing distance [center]: 50-70cm; Sensing distance [far]: 70-80cm.

- Identification prompt



Note: When the recognition prompt is enabled and the human body induction is awakened, the voice prompt reads: "Please enter the face recognition".

3.3 Function settings

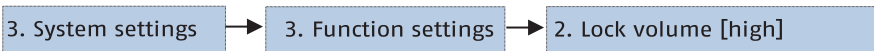
① Network settings



(For detailed operation of networked products, please refer to the appendix of the manual)

Note: The distribution network function only supports one mobile phone for distribution network. If you enter the network configuration again, the last distribution network data will be automatically cleared. Users are advised to operate with caution.

② Lock volume

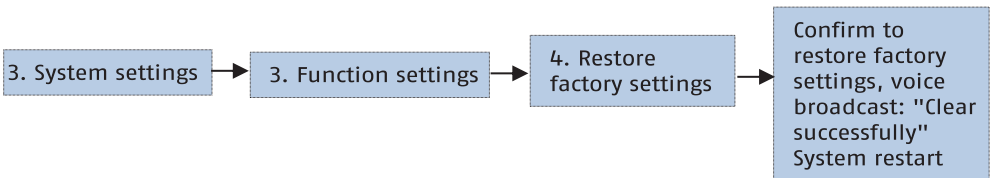


③ Double authentication



Note: Dual authentication is only applicable to unlocking with regular keys, and two different regular user keys must be verified to successfully unlock. Administrator users can unlock directly.

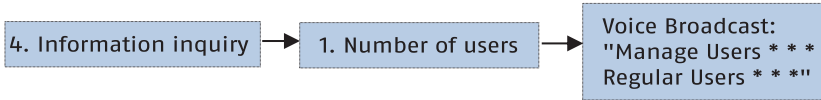
3.4 Restore factory settings



Note: After resetting to factory settings, all user data will be cleared. Users are advised to operate with caution.

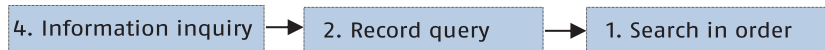
4. Information inquiry

4.1 Number of users



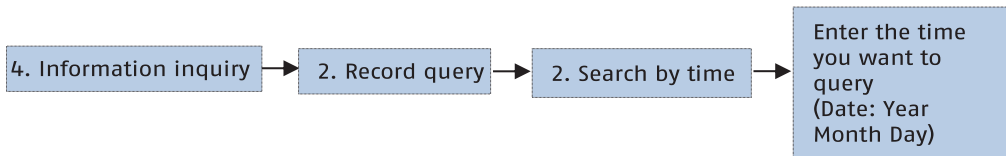
4.2 Read Records

~ Search in order



Note: Sequential search starts with the latest information and goes down.
Press the 8th key to search for the next item, and press the 2nd key to search for the previous item.

~ Search by time



5. Menu Function Description

(1) Indoor camera settings

Indoor camera settings, touch button, short press switch, long press confirm.

Networking operation instructions

How to add a smart lock

* Tuya Version

Turn on the touch screen and press * " # +Admin password" enter the main menu. Enter 3 System Settings:

1. Add User
2. Delete User
3. System Set ting
4. Language & Log

1. Set Date time
2. Install Set
3. Function Set
4. Restore

1. Net Config
2. Doub Auth Set

Manual App TUYA



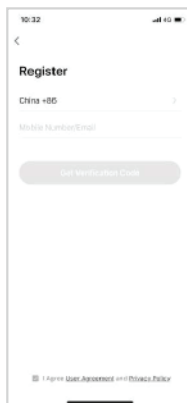
Search "Tuya Smart" in App Store or an App market, download and install it.



MAIN FUNCTION MODULES

1. APP REGISTRATION AND LOGIN

- APP registration: if you do not have an APP account, you can choose to register or log in by SMS verification code.
- Click "create a new account" to enter the account registration page. According to the prompt to obtain SMS verification code, set the password.
- If you have an existing account, click "login with an existing account" to log in to the APP. Password, verification code, and social account login are supported.



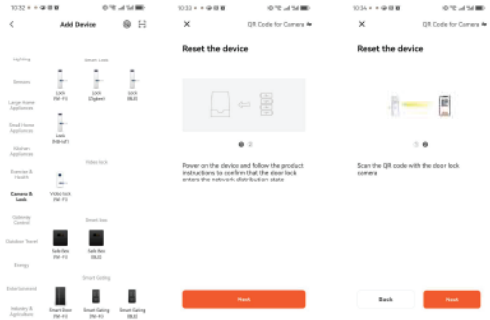
2. CREATE HOMES

- Create your home after registering and logging in successfully.
- Each account can create and add multiple homes, and devices can be grouped by room in the home.
- Weather and other functions depend on the geographical location of the family, which is recommended to set in advance.



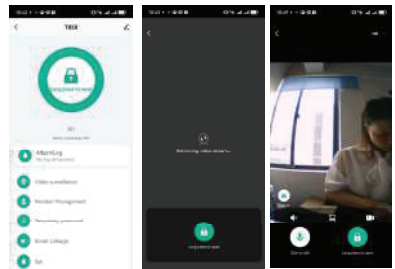
3. ADD WIFI LOCK

- On the Tab of "my home", click "+" in the upper right corner to enter the interface in figure 1, select the Video lock (Wi-Fi) in Camera&Lock part and enter the page in figure 2.
- When the device enters the connected mode, continue to operate according to the instructions and APP tips.



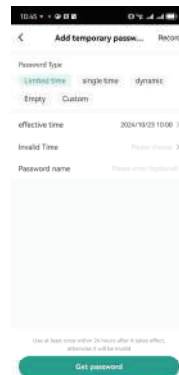
4. HOME PAGE

- Home page includes remote unlock, alarm message, Video surveillance, member management, temporary password and other functions.
- Remote Unlock: Long press to open or initiate a request from the door lock, and the app can respond to allow/ refusal door opening
- Video surveillance: Can do proactive real-time monitoring, and there are buttons to click to talk and unlocking



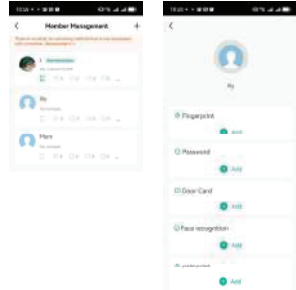
5. TEMPORARY PASSWORD

- Temporary password can be created and deleted through APP. After each create or delete is completed on the APP, the lock is required to synchronize with the server.
- Click the Temporary password to create password in Limited time, single time, dynamic and custom forms.



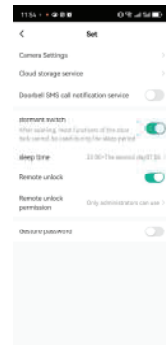
6. MEMBER MANAGEMENT

- User can be added, deleted or changed in member management.
- Through member management,enter the member list page
- Select the corresponding member.
- Add and delete Fingerprint,Password,Door card and Face recognition
- If the operation is successful,the device will generate a prompt sound to inform you that the operation is successful or not.
- Only the administrator user of app is allowed to do that.



7. SETTING

- Dormancy switch:Controls the module to enter sleep mode within a certain period of time.In sleep mode,the device cannot be woken up from the App and can only be triggered from the device,which can greatly reduce the power consumption of the device.
- Remote unlocking:After closing.the App cannot be unlocked remotely.
- Sleep time:can set a certain period of time to enter Do Not Disturb mode, the device will enter a completely silent status,and no sound will be emitted by any operation.



8. ALBUM/LOG

- 24/7 Record Log, arranged in reverse chronological order. The unlocked ID with the associated user name will directly display the user name, while the unlocked ID without the associated name will display the specific unlock ID
- Anti-prying alarm video will be showed in Album while the lock send a Anti-prying alarm while someone stay a long time in front of the lock.

