



# Smart Padlock

## Padlock Pro Series User Manual

Secure,  
Convenience,  
Versatile.

Pair with Volcora Hub app.



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Download on the  
**App Store**

# Instruction Manual Catalog

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## Package Contents

| Item                   | Quantity |
|------------------------|----------|
| Padlock                | 1        |
| Battery                | 1        |
| Key                    | 2        |
| Card                   | 3        |
| User Manual            | 1        |
| Solar Panel (Optional) | 1        |

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The contents of this document are subject to change without notice.

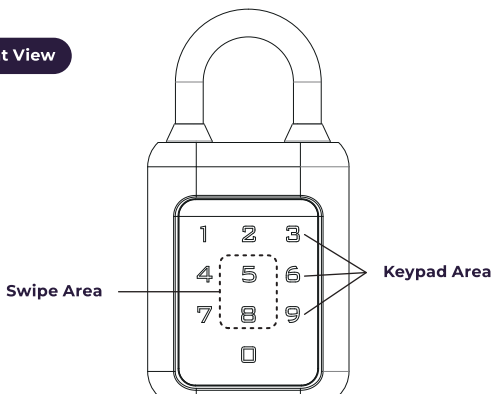
For more information, visit: [www.volcora.com](http://www.volcora.com)

Contact support: [support@volcora.com](mailto:support@volcora.com)

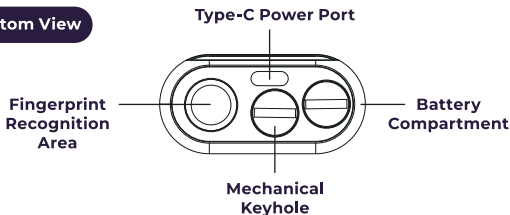
## Product Overview

The smart padlock developed by VOCLA integrates various unlocking methods, including password, fingerprint, card, and Bluetooth app unlocking via a smartphone.

**Front View**



**Bottom View**



## Product Specifications

### Basic Parameters

| Item                 | Details          |
|----------------------|------------------|
| Product Model        | V-SDB-A1         |
| Power Supply         | 1x 10440 Battery |
| Communication Method | Bluetooth        |
| Fingerprint Capacity | 100 fingerprints |
| Password Capacity    | 250              |
| Card Capacity        | 1000 cards       |
| Dummy Password       | Up to 16 digits  |

### Physical Dimensions & Quantity

| Item             | Details                                        |
|------------------|------------------------------------------------|
| Main Unit Size   | 115 x 58 x 28 mm ( S ); 135 x 58 x 28 mm ( L ) |
| Main Unit Weight | 270g ( S ); 285g ( L )                         |
| Protection Level | IP65                                           |

### Environmental Conditions

| Item                  | Details                       |
|-----------------------|-------------------------------|
| Operating Temperature | -4°F to 120°F (-20°C to 50°C) |
| Operating Humidity    | 10% to 90%                    |

### Additional Information

| Item                               | Details          |
|------------------------------------|------------------|
| Battery Life (Without Solar Power) | [one year]*10440 |
| Battery Life (With Solar Power)    | [Over 5 years]   |

# Unlocking Methods

| Name          | Type      | Description & Notes                                                                                                                                                                                                     |
|---------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Password      | Permanent | A randomly generated password that can be used permanently.<br>- Can be remotely downloaded, password is a random one.<br>- Once every 24 hours for downloading, will not expire.                                       |
|               | Timed     | A randomly generated password that can be used within a specific period.<br>- Can be remotely downloaded, password is a random one.<br>- Once every 24 hours for downloading, will not expire.                          |
|               | One-time  | A one-time use randomly generated password.<br>- Can be remotely downloaded, password is a random one.<br>- Will expire after one use.                                                                                  |
|               | Custom    | A custom password set within 2 meters of the lock.<br>Can be set permanently or for a specified time period.<br>- Must be set within 2 meters of the lock.<br>- Can be set as permanent or for a specified time period. |
|               | Cyclic    | A randomly generated password that can be used on a repeating cycle.<br>- Can be remotely downloaded, password is a random one.<br>- Once every 24 hours for downloading, will not expire.                              |
|               | Clear     | A password used to clear other passwords in the lock.<br>- Must be set within 2 meters of the lock.<br>- Can clear existing passwords.                                                                                  |
| Fingerprint   | Permanent | A fingerprint that is entered and can be used permanently.<br>- Must be set within 2 meters of the lock.<br>- Requires fingerprint registration.                                                                        |
|               | Timed     | A fingerprint that is entered and can be used for a specific time period.<br>- Must be set within 2 meters of the lock.<br>- Requires fingerprint registration.                                                         |
| Bluetooth Key | Permanent | A Bluetooth key that is shared and can be used permanently.<br>- Can be remotely sent.                                                                                                                                  |
|               | Timed     | A Bluetooth key that is shared and can be used for a specific time period.<br>- Can be remotely sent.                                                                                                                   |
|               | One-time  | A Bluetooth key that is shared and can be used once within a specified time.<br>- Can be remotely sent.                                                                                                                 |

| Name | Type      | Description & Notes                                                                                       |
|------|-----------|-----------------------------------------------------------------------------------------------------------|
| Card | Permanent | A card that is swiped and registered for permanent use.<br>· Must be set within 2 meters of the lock.     |
|      | Timed     | A card that is swiped and registered for a specific period.<br>· Must be set within 2 meters of the lock. |

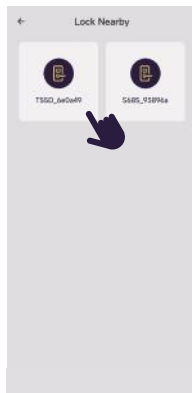
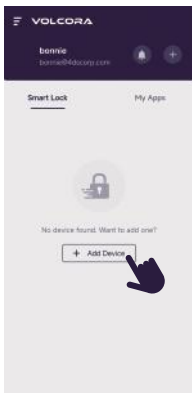
## APP Functionality

Scan the QR code to download and install the VOLCORA APP.

Once installed, the user will be directed to the device connection page.

Alternatively, search for "VOLCORA" in the app store to download and install the APP.

Open the APP homepage, click the "+" button in the upper right corner of the page, and follow the prompts in the APP to add the device.



## 1. Connection Settings:

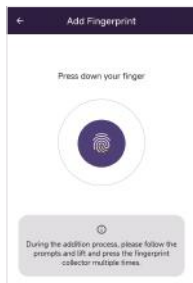
1.1 After installing the battery in the padlock, turn on Bluetooth on your phone and open the app (the phone needs to be within 2 meters of the padlock).

1.2 Click the "+" button, select the door lock, and automatically search for nearby devices. Once the desired device is found, click on the device, change the device name, and the addition will be successful.

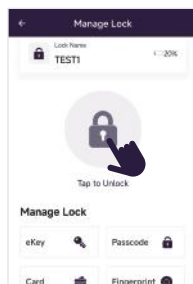
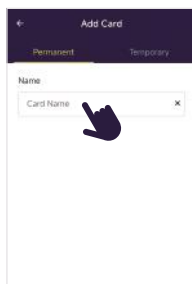
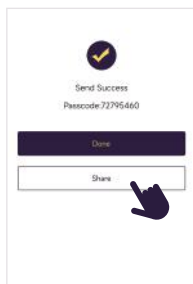
## 2. Unlocking Methods

### 2.1 Fingerprint Unlocking

Enter the fingerprint interface in lock management, select either permanent fingerprint or timed fingerprint, input the fingerprint name, and follow the prompts to register the fingerprint.



Once the registration is successful, the fingerprint can be used to unlock the lock. (The app and the lock need to be within a 2-meter range.)



## 2.2 Password Unlocking

Enter the password interface in lock management, select the password type, and follow the instructions to input the password name, validity period, etc. For a custom password, you can manually input the password. Once successfully registered, the password can be used to unlock the lock.

## 2.3 Card Unlocking

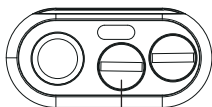
Enter the card interface in lock management, select the card type, and follow the instructions to input the card name, validity period, etc. For a custom password, you can manually input the password. Once successfully registered, the card can be used to unlock the lock.

## 2.4 Electronic Key Unlocking

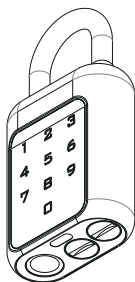
On the device page, you can click unlock to directly use the electronic key for unlocking. Alternatively, you can enter the electronic key interface in lock management, select the type of electronic key, and follow the instructions to input the key name, recipient, validity period, etc. Once successfully registered, the recipient can use the app to click the one-click unlock feature.

### 2.5 Mechanical Key Unlocking

To unlock, the user simply needs to insert the key into the keyhole and rotate it 90 degrees to unlock.



**Mechanical  
Keyhole**



## 3. Operation Records

Enter the device page, click on "Operation Records" under other options to view the device's operation history.

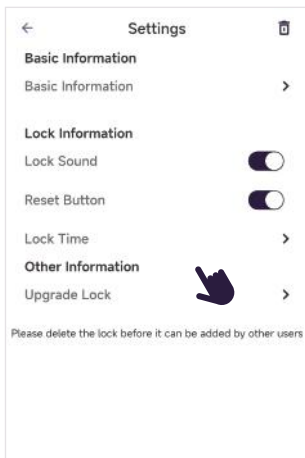
## 4. Sharing the Device

Enter the device page, click on "Authorize Administrator" under other options. You can choose either a permanent or timed administrator as needed. The recipient will have the same management permissions as the initial administrator.

## 5. Settings

Enter the device page, click on "Settings" under other options to view and modify the following:

1. View basic information, including name, ID, battery level, time, initial unlock password, etc.;
2. Set lock sound, enable or disable the reset button;
3. Update the lock's local time;
4. Check the lock's version status and initiate an upgrade;
5. Delete the device.



## Abnormal Situations

1. Five consecutive fingerprint or password unlock failures:  
The lock will emit a beeping sound and enter a locked state for 2 minutes, during which passwords, fingerprints, and cards cannot be used to unlock the lock.  
However, the mobile app can still be used to unlock the lock with the one-click unlock feature and to lift the current lockout.
2. Low battery reminder: When the lock's battery level drops to 20%, it will issue a reminder to replace the battery.  
The user can also use an external power bank to unlock the lock.

## Frequently Asked Questions (FAQs)

**Q:** What should I do if the fingerprint cannot unlock the lock?

**A:** 1.Try adding another fingerprint and select a finger with better fingerprint quality (less wrinkled, no peeling, clear fingerprint).  
2.Ensure the contact area between the finger and the fingerprint sensor on the lock is as large as possible.  
3.Keep the fingerprint contact area dry.  
4.The same finger's fingerprint can be registered multiple times to increase unlocking success.  
5.Press the reset button located near the keyhole at the bottom of the lock. After the lock restarts, try unlocking again.

**Q:** How long can the battery last?

**A:** The battery compartment contains a 320mAh battery, which can typically last for 12 months. If equipped with a solar charging panel, it can last for over 5 years.  
The actual usage time may vary based on usage frequency.

**Q:** What should I do if the lock runs out of power?

**A:** When the battery drops below 20%, the lock will issue a low battery reminder. You can temporarily power the lock using a power bank or unlock it with the mechanical key (both the emergency power port and the mechanical keyhole are located directly below the lock).

**Q:** What is the dummy password feature and how many digits does it support?

**A:** The user can enter up to 16 random digits as a dummy password. As long as a sequence of consecutive digits includes the correct password, the door will unlock, preventing onlookers from guessing the password.

## **FCC WARNING:**

This device complies with part 15 of the FCC Rules. Operation is subject to the following 2 conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## **Note:**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.