

# User Manual

## LockerPad-7B

Date: December 2022

Doc Version: 2.0

English

Thank you for choosing our product. Please read the instructions carefully before operation. Follow these instructions to ensure that the product is functioning properly. The images shown in this manual are for illustrative purposes only.



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## About the Company

ZKTeco is one of the world's largest manufacturers of RFID and Biometric (Fingerprint, Facial, Finger-vein) readers. Product offerings include Access Control readers and panels, Near & Far-range Facial Recognition Cameras, Elevator/Floor access controllers, Turnstiles, License Plate Recognition (LPR) gate controllers and Consumer products including battery-operated fingerprint and face-reader door locks. Our security solutions are multi-lingual and localized in over 18 different languages. At the ZKTeco state-of-the-art 700,000 square foot ISO9001-certified manufacturing facility, we control manufacturing, product design, component assembly, and logistics/shipping, all under one roof.

The founders of ZKTeco have been determined for independent research and development of biometric verification procedures and the productization of biometric verification SDK, which was initially widely applied in PC security and identity authentication fields. With the continuous enhancement of the development and plenty of market applications, the team has gradually constructed an identity authentication ecosystem and smart security ecosystem, which are based on biometric verification techniques. With years of experience in the industrialization of biometric verifications, ZKTeco was officially established in 2007 and now has been one of the globally leading enterprises in the biometric verification industry owning various patents and being selected as the National High-tech Enterprise for 6 consecutive years. Its products are protected by intellectual property rights.

## About the Manual

This manual introduces the operations of **LockerPad-7B**.

All figures displayed are for illustration purposes only. Figures in this manual may not be exactly consistent with the actual products.






## Document Conventions

Conventions used in this manual are listed below:

### GUI Conventions

For Software	
Convention	Description
<b>Bold font</b>	Used to identify software interface names e.g., <b>OK, Confirm, Cancel.</b>
>	Multi-level menus are separated by these brackets. For example, File > Create > Folder.
For Device	
Convention	Description
<>	Button or key names for devices. For example, press <OK>.
[]	Window names, menu items, data table, and field names are inside square brackets. For example, pop up the [New User] window.
/	Multi-level menus are separated by forwarding slashes. For example, [File/Create/Folder].

### Symbols

Convention	Description
	This represents a note that needs to pay more attention to.
	The general information which helps in performing the operations faster.
	The information which is significant.
	Care taken to avoid danger or mistakes.
	The statement or event that warns of something or that serves as a cautionary example.

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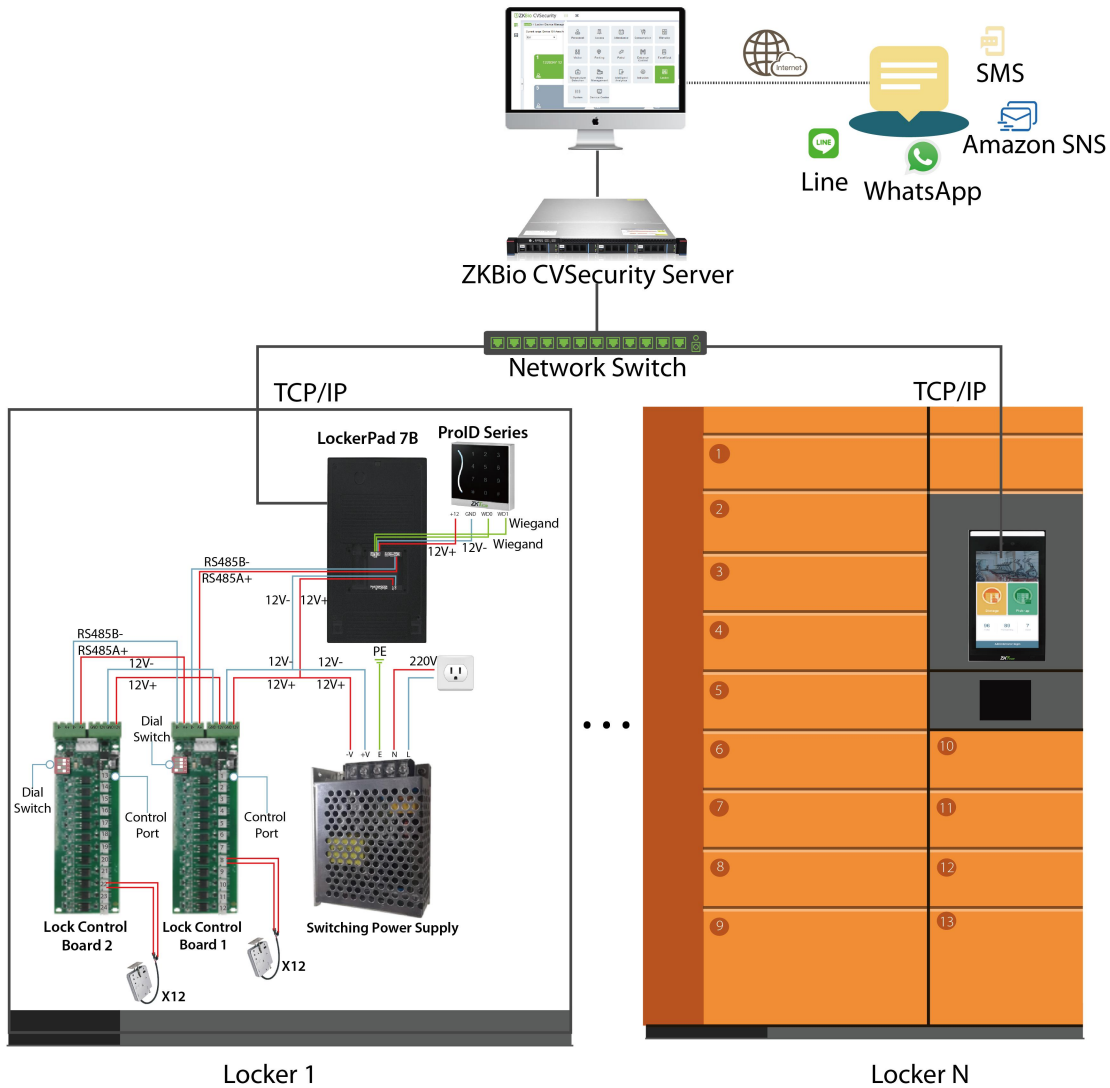


# 1 Overview

LockerPad-7B is a locker solution core device based on ZKTeco facial recognition and card recognition technology. It communicates with the Lock Control Board through the RS485 protocol to control the electronic lock.

- It supports storage and pick-up, shared by internal employees and temporary users such as visitors, and is compatible with the requirements of one person using one compartment and multiple persons using one compartment. If compared with traditional lockers, it is safer and more convenient, without consumables, and more convenient to manage.
- Provide eye-catching and efficient advertising display.
- It supports three types of compartments: large, medium, and small, a LockerPad-7B supports the control of a maximum of 96 compartment locks.
- The application scenarios cover a wide range hence it is suitable for shopping malls, libraries, gyms, schools etc.
- It supports both online & standalone working modes.





### 1.1 Instructions for Use

- After the device is powered on, the software will start automatically without additional operations.
- For device safety, please use the official power adapter, the standard power supply is 12V 3A.
- In order to use device smoothly, please set the relevant parameters correctly. See the Default Basic Parameters below.
- LockerPad-7B only supports face recognition. If you need to use swiping card to open the compartment, please contact the technical staff to choose a suitable Wiegand reader.

### 1.2 Default Basic Parameters

- **Number of Compartments:** 12.
- **Compartment Type:** Small compartment.
- **[Allow Visitors to Use] Function:** Enabled by default.
- **[Allow Halfway Out] Function:** Enabled by default.
- One person, one compartment by default.



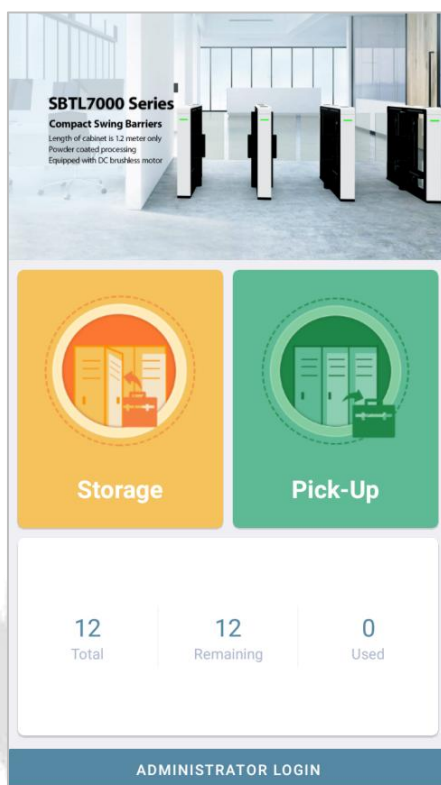
- The Wiegand 26 format is supported by default.

Please set the parameters according to the actual situation. If you are in doubt, please refer down to the Device Settings chapter of the user manual.

## 2 Storage and Pick-Up

LockerPad-7B supports two access methods: Face and Card.


**(Note:** If users need to use the card function, they need to prepare the Wiegand readers.)



### 2.1 Advertisement

The advertisement supports mixed loop playback of pictures and videos, each picture is displayed for 5 seconds, and switched to playing video after photo display according.

### 2.2 Storage


Click this icon  to enter the storage process.

- When there is only one type of compartment, the locker will be automatically unlocked after the user is successfully authenticated.
- When there are multiple types of compartments, the user successfully authenticates and select the desired type of compartment, and the compartment is automatically unlocked.

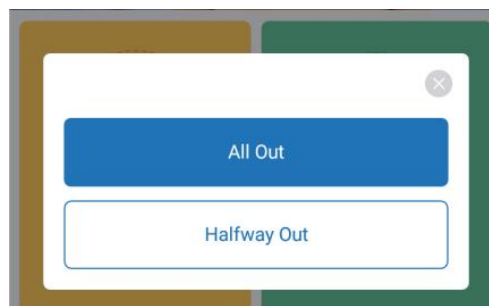


**Small compartment (12): There are twelve remaining small compartments.**

### 2.3 Pick-Up

Click this icon  to enter the pick-up process.

- If the administrator has set to allow Halfway Out, after clicking the pick-up, it will prompt whether to **[All Out]** or **[Halfway Out]**.
- If the administrator does not set to allow Halfway Out, the user can only pick-up once, and all items must be taken out at one time.



## 2.4 The Use of Locker



**Total:** It displays the current total number of locker compartments.

**Remaining:** The number of compartments that can be used.

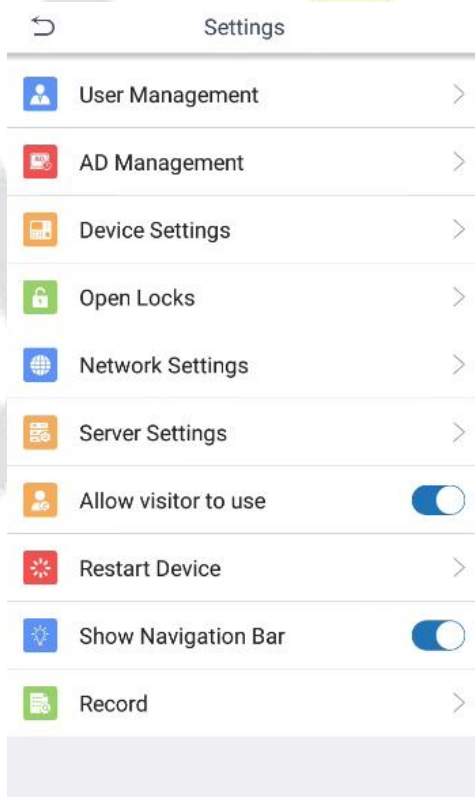
**Used:** The number of compartments used.

## 2.5 Administrator Login

Click this icon  to enter the administrator login verification page. After the verification is successful, enter the **Settings** page.

## 3 Settings

In Settings, various options are available which are listed below:

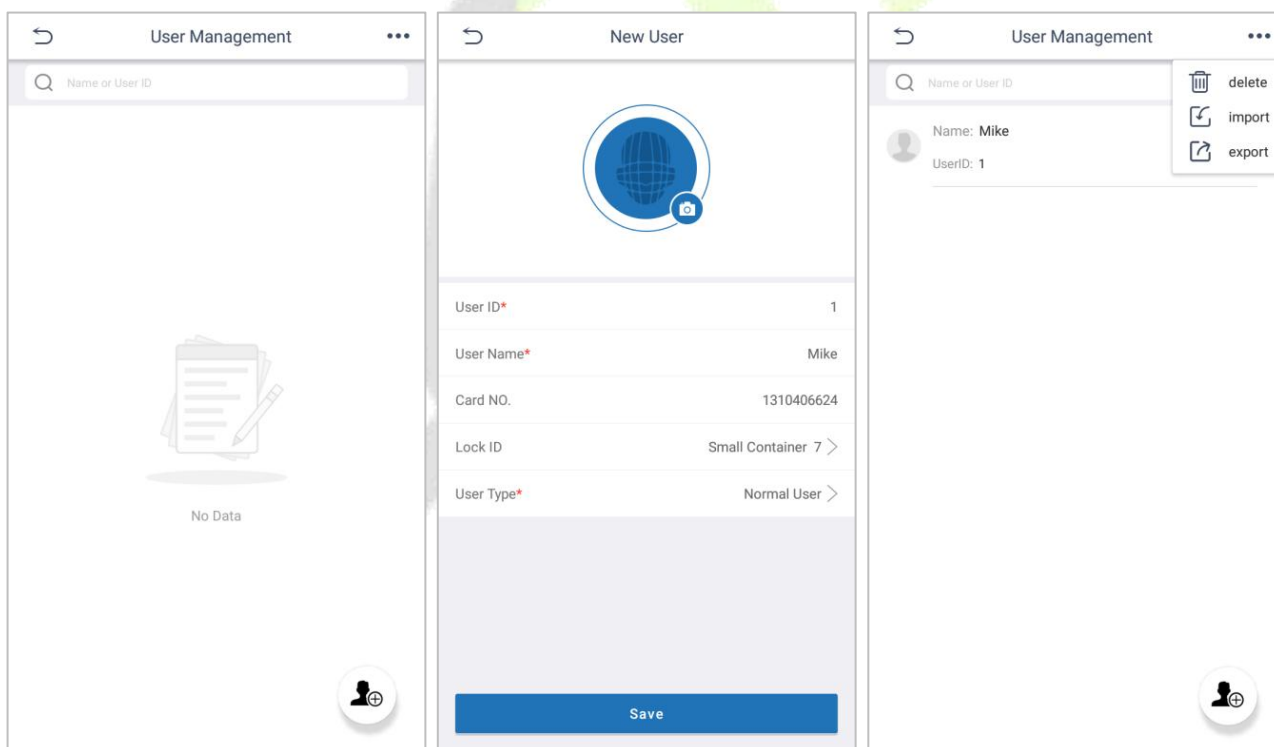


Menu	Function Description
<b>User Management</b>	Add user, delete user, view user details.
<b>AD Management</b>	For uploading advertising materials and setting the content of the home page advertising play.
<b>Device Settings</b>	For locker basic parameter setting.
<b>Open Locks</b>	For opening lock and clear compartment.
<b>Network Settings</b>	For communicating with PC, you need to configure the network.
<b>Server Settings</b>	The settings used for connecting the PC.
<b>Allow Visitor to Use</b>	Used to control the user type.
<b>Restart Device</b>	Used to restart the LockerPad-7B device.
<b>Show Status Bar</b>	Show bottom navigation bar.
<b>Record</b>	History record.

## 3.1 User Management

This function can be used when the device is in standalone working mode.

It is used for adding users and to modify usernames, card NO., permissions, and user type.



### 3.1.1 New User


**User ID and Username:** You need to manually fill in the user ID and Username. The user ID cannot be modified after filling in.

**User Type:** The user type supports Normal User and Administrator, and the Normal User is set as default. The administrator has the authority to log in to the background for management, and both normal users and administrators have the authority to access items.

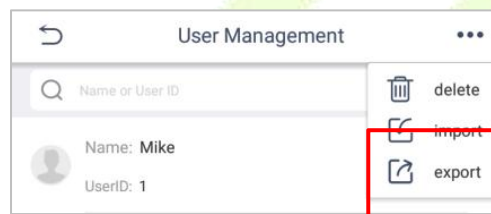
**Register Face:** Click  **Face icon** to enter the face registration page.

**Register Card:** If your locker has the Card Reader, then you could use the item. Swipe the Card on the Reader, the card number will be written on it automatically.


**Lock ID:** The administrator can authorize user to use a certain compartment with a fixed ID. The default is empty. When the user uses the locker, a free compartment will be randomly assigned.


 **Note:** Before adding a user, please complete the basic parameter settings of the device, otherwise modifying the device basic settings will release the binding relationship between the user and the compartment.

### 3.1.2 U Disk Import and Export Users




It is used for multiple devices to share a set of user data, and only supports importing and exporting user data via U disk.

 **Export Users:** After exporting, a ZKTeco folder will be added to the U disk, which contains user data and user registered photos.

 **Import Users:** After inserting the U disk, the device will automatically read the files containing user data in the ZKTeco folder.

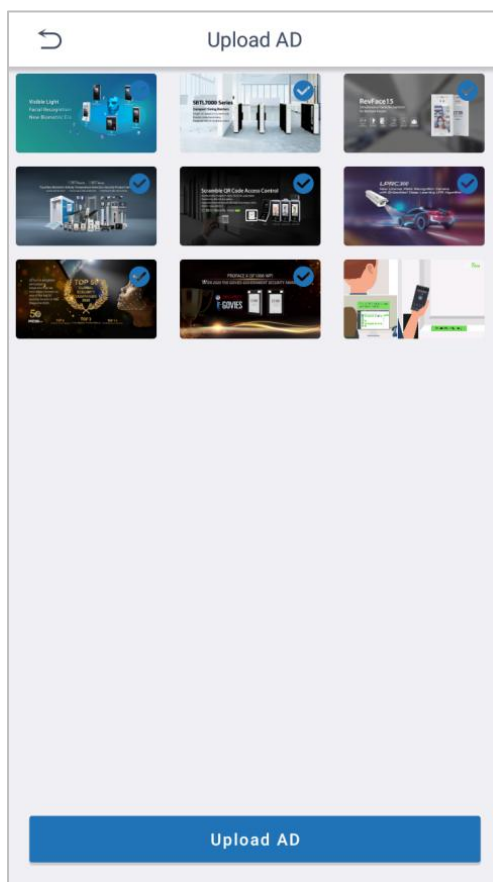
### 3.1.3 Delete User



 **Delete User:** Click **Delete** and then select the user to be deleted. Click  button to delete.

## 3.2 Upload AD

This is used for uploading pictures and videos via U Disk.




### 3.2.1 Upload Ad

Upload pictures and video advertisements via U disk, and it supports common picture and video formats.

#### Method 1:


1. Before uploading, please create an AD folder in the U disk and put the ad materials in the AD folder.
2. Insert the U disk, click **Upload**, it will automatically recognize the ad materials in the AD folder and add it to the device.
3. After uploading, select the ads that need to be displayed.

#### Method 2:

Exit the program, enter the Internal Memory/Face Locker/ad folder through the Explorer , and save the advertisement materials in this folder to upload the ad.

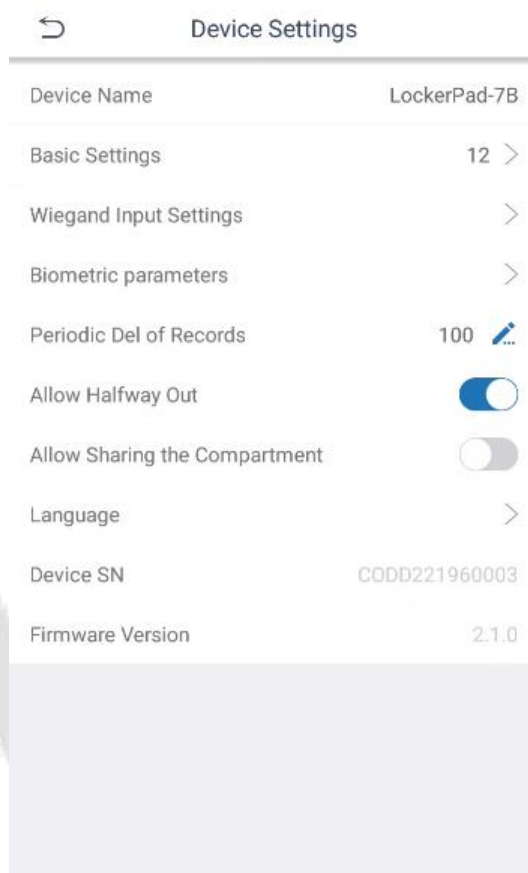


### 3.2.2 Ad Removal

Exit the program, enter the Internal Memory/Face Locker/ad folder through the Explorer , and delete the advertisement files that need to be deleted.

### 3.3 Device Settings

In order to facilitate the initial use experience, the locker is preset with 12 small compartments.

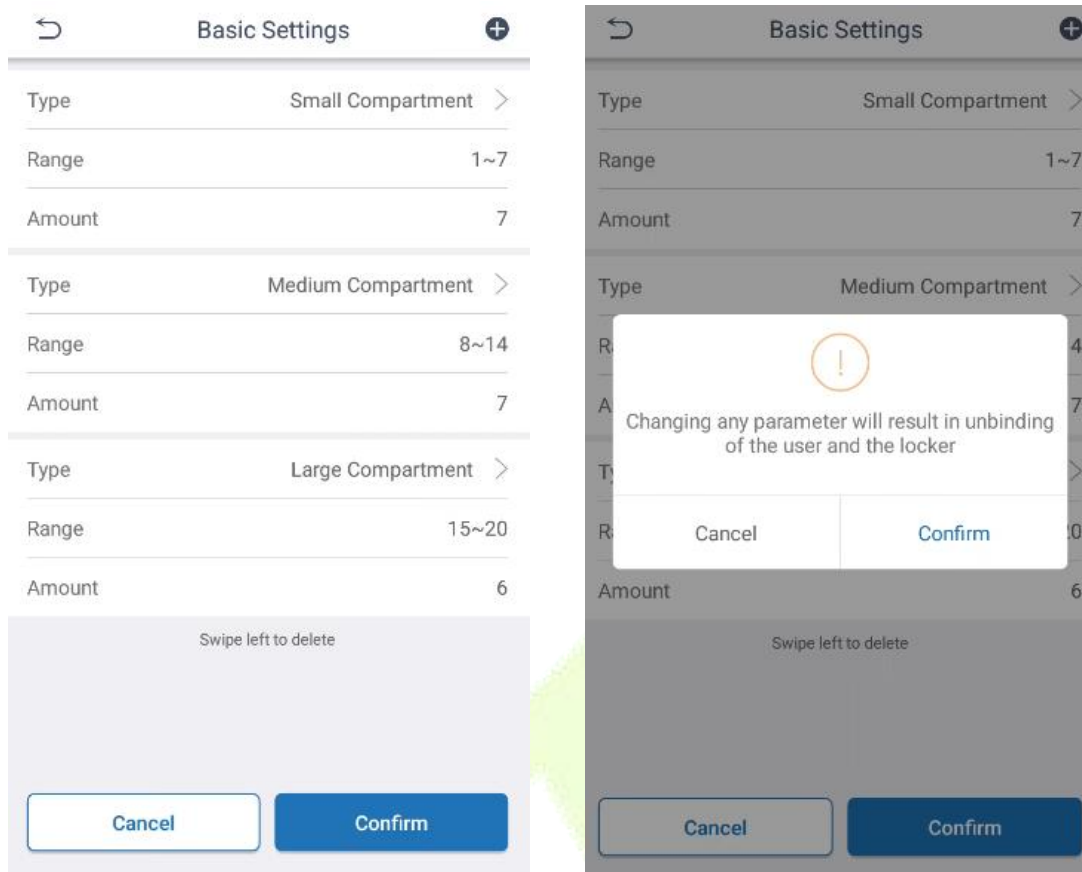


#### 3.3.1 Device Name

The default is LockerPad-7B, the user can modify it according to the situation.

#### 3.3.2 Basic Settings

It is used to set the amount and type of storage compartment. It supports three types of compartments i.e., large, medium, and small, and the amount supports up to 96.

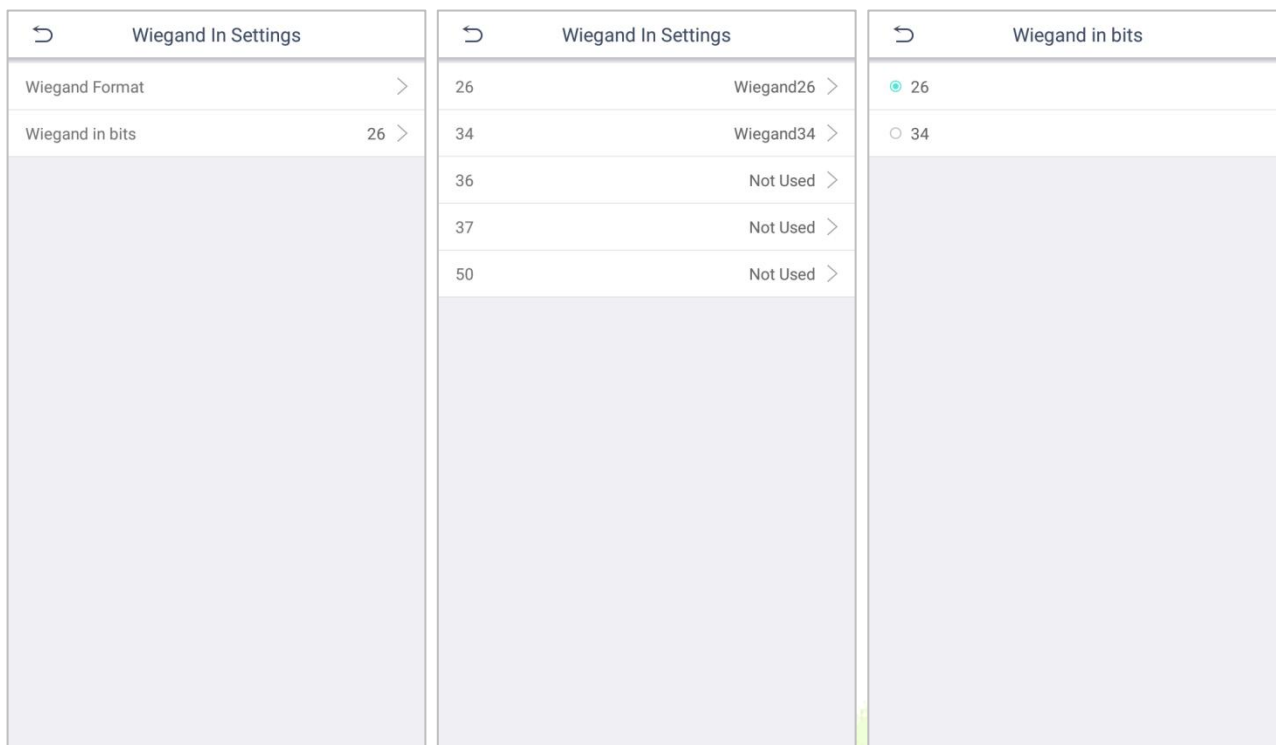


**Delete:** Swipe to the left to delete.

After the setting is complete, click **Confirm** to take effect.

### 3.3.3 Wiegand In Settings

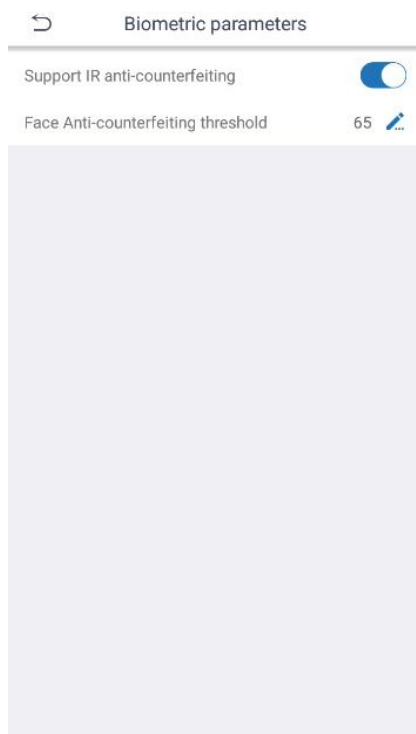
Set the corresponding Wiegand parameters according to the selected locker card reader type. The device support Wiegand26, Wiegand26a, Wiegand34, Wiegand34a, Wiegand36, Wiegand36a, Wiegand37, Wiegand37a, Wiegand50.



### 3.3.4 Biometric Parameters

**Support IR anti-counterfeiting:** The device supports face anti-counterfeiting. When enable, it can perform anti-counterfeiting recognition on face photos to make sure that the authenticity of face.

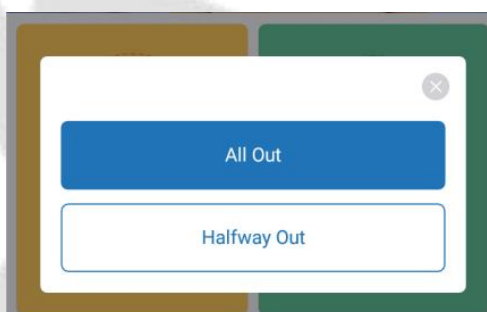
**Face Anti-counterfeiting threshold:** In face recognition, the higher the threshold is set, the higher the accuracy of face recognition will be, which may lead to unrecognizable. On the other side, if the threshold is too low, the accuracy of face recognition will be lower, which may lead to misjudgment and other problems. The default value is 65.



### 3.3.5 Number of Loop Delete Records

When the history record exceeds the limit, the specified number of records are automatically deleted to make room for new records.

### 3.3.6 Allow Halfway Out



It is enabled by default, and when users click pick-up the items, it will be reminded whether you need to **[All Out]** or **[Halfway Out]**.

When disabled, after the user picks up the items, it is considered that all the items have been taken out, and the access process is terminated.

### 3.3.7 Allow Sharing the Compartment

It is disabled by default. When the user binds the locker compartment, the compartment that has been bound by other users can no longer be bound to the compartment by other users.

After enabled, the compartment can be bound to use by multiple persons, which is used when family members or team groups share a compartment.

### 3.3.8 Language

Click on **Language**, and select the language according to your needs; it will automatically return to the page and update the device language.



### 3.3.9 Device SN

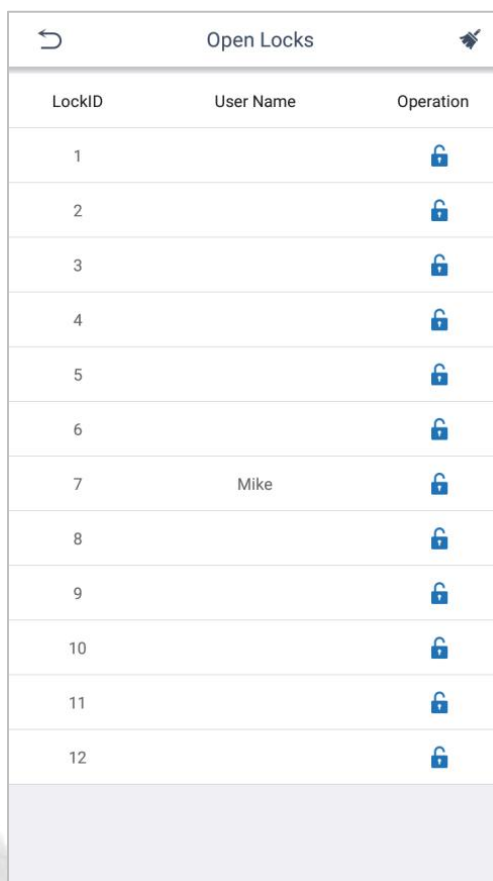
Device SN is the device's fixed attribute, and it cannot be modified.













### 3.3.10 Firmware Version

Firmware version is the device's fixed attribute, and it cannot be modified.


## 3.4 Open Locks

It includes two functions i.e., Open Locks and Clear the Compartment.




LockID	User Name	Operation
1		
2		
3		
4		
5		
6		
7	Mike	
8		
9		
10		
11		
12		

### 3.4.1 Clear the Compartment

After clicking the  icon, the temporary relationship between the user and the compartment will be cleared, and the temporary user's data will be cleared for the administrator to clean the compartment, prevent the user's belongings from being left, and improve the administrator's clearing speed.

### 3.4.2 Open Locks

After clicking the  icon, the corresponding compartment will be opened. The system temporarily opens the specific compartment without deleting the connection between the user and the compartment.



## 3.5 Network Settings

It includes two functions: Wi-Fi Settings and LAN Settings.


### 3.5.1 Wi-Fi Settings

The device provides a Wi-Fi module, which can be built-in within the device mold.

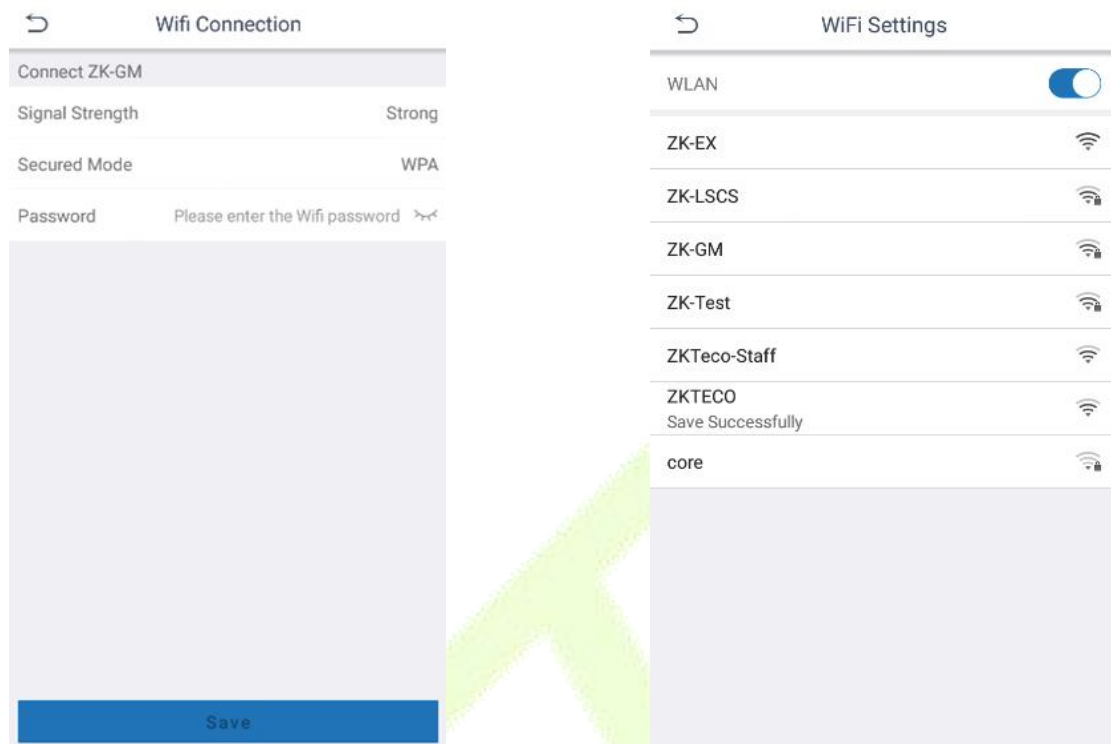
The Wi-Fi module enables data transmission via Wi-Fi (Wireless Fidelity) and creates a wireless network environment. Wi-Fi is disabled by default in the device. If you need to connect the Wi-Fi network, you can toggle the Wi-Fi to enable mode.

Click **Wi-Fi Settings** on the Network settings interface. The following screen will display:



- By default, Wi-Fi is disabled in the device. To enable or disable Wi-Fi, toggle the on/off  button.
- Once the Wi-Fi is turned on, the device will search for the available Wi-Fi within the network range.
- Tap on the appropriate Wi-Fi name from the available list, and input the correct password in the password interface, and then tap **Save** to Wi-Fi.

When the Wi-Fi is connected successfully, the prompt "**Save Successfully**" display on the Wi-Fi list.



### 3.5.2 LAN Settings

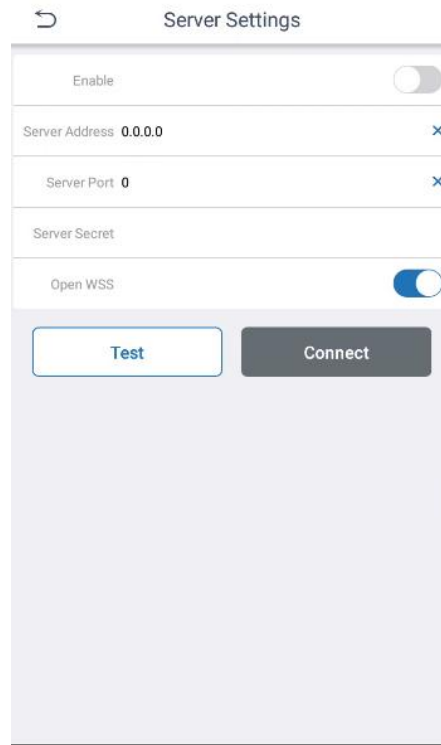
When the device communicates with a PC via Ethernet, the network must be configured such that the device and the computer are in the same network segment. When the device is not connected to the network, click **LAN Settings** on the Network settings interface. The following screen will display:



Function Name	Function Description
<b>LAN</b>	Enable to modify the Ethernet network address parameters. If this is not enabled, users cannot modify the Ethernet network address parameters.
<b>DHCP</b>	Enable DHCP to assign an IP address to the internal network or network service provider. If DHCP is on, you cannot manually set the IP of the device.
<b>IP Address</b>	The default IP is achieved automatically.
<b>Subnet Mask</b>	The default IP is achieved automatically.
<b>Gateway address</b>	The default IP is achieved automatically.
<b>DNS</b>	The default IP is achieved automatically.

### 3.6 Server Settings

The device is in standalone working mode by default, disable this function. **Server Settings** must be enabled when the device wants to switch to online working mode and needs to communicate with the computer via Ethernet. Click **Server Settings** on the Settings interface. The following screen will display:



Click **Connect**, after the test shows **success**.

Function Name	Function Description
<b>Server Address</b>	IP address of the ADMS server.
<b>Server Port</b>	Port used by the ADMS server.
<b>Server Secret</b>	Set server secret for authentication when connecting to ZKBio CVSecurity.
<b>Open WSS</b>	Enable it when the ZKBio CVSecurity uses the https protocol and disable it when ZKBio CVSecurity uses the http protocol.

### 3.7 Allow Visitor to Use

After the function is turned on, the visitors and temporary users who are not in the user registration list can self-register their faces and use the locker. It is suitable for shopping malls, museums, and other scenes with large personnel mobility.


After the function is turned off, only registered users that already exist in the system can use the locker. It is suitable for gymnasiums, schools, and other scenes.

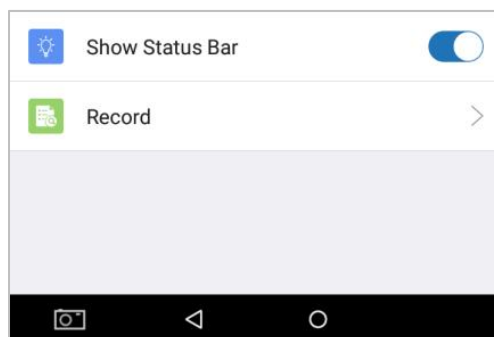
### 3.8 Restart Device

After clicking **Restart Device** button, the LockerPad-7B device will automatically restart.

### 3.9 Show Status Bar

After opening, the bottom navigation bar will be displayed for operations such as exiting the locker software and closing advertisements. After the software exits, click on the ZKBioLocker software to enter the locker software interface again.

 **Note:** After completing the operation of setting the locker parameters, please turn off the display navigation bar function to prevent the user from being confused about clicking to exit, causing the device to fail to work normally.



### 3.10 Record

The history record includes:

- The user's name.
- The compartment used.
- The access operation.
- The access time.
- The access method.
- Photos taken for face verification.

Record			
Search	Name	Filter	yyyy/mm/dd
2013/01/21			
card	LockID 4	17:35:57	Storage
Jupiter	LockID 3	17:00:11	Pick-Up
	LockID 4	16:59:57	Pick-Up
	LockID 4	16:59:43	Pick-Up
card	LockID 1	16:59:32	Pick-Up
card	LockID 1	16:59:15	Storage
	LockID 4	16:58:13	Storage
Jupiter			



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