

User Manual

LockerPad-7B

Date: October 2021

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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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If there is any issue related to the product, please contact us.

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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
Bold font	Used to identify software interface names e.g., OK , Confirm , Cancel .
>	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.

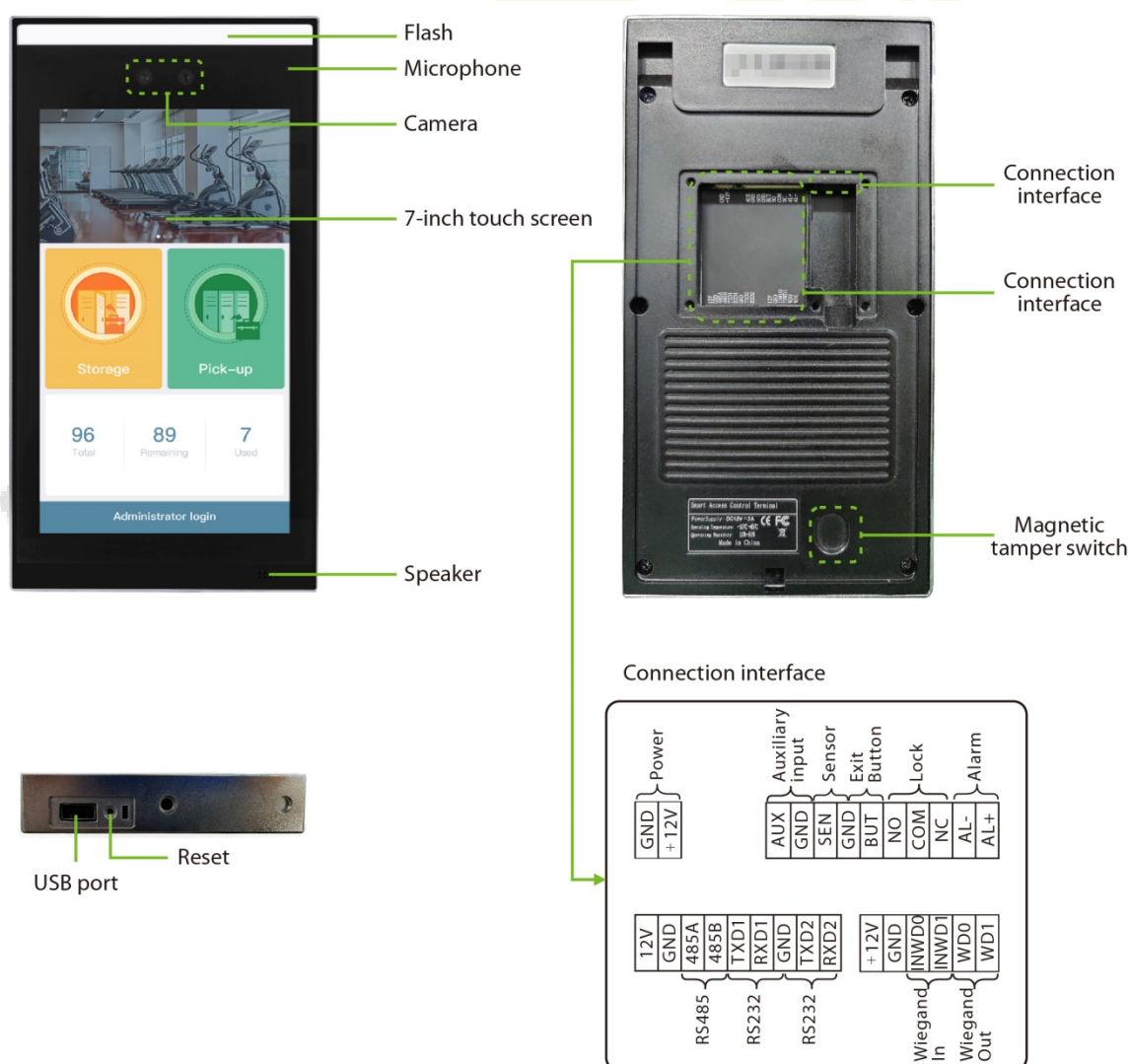
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1 Overview

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

- It supports multiple storages and pick-ups, 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. 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, and 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.
- Currently only supports offline use.



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.
- To use the device smoothly, please set the relevant parameters correctly. For details, please see the Default Basic Parameters below.
- LockerPad-7B only supports face recognition. If you would like to swipe a card to open the compartment, please contact the technical staff to choose a suitable Wiegand reader.

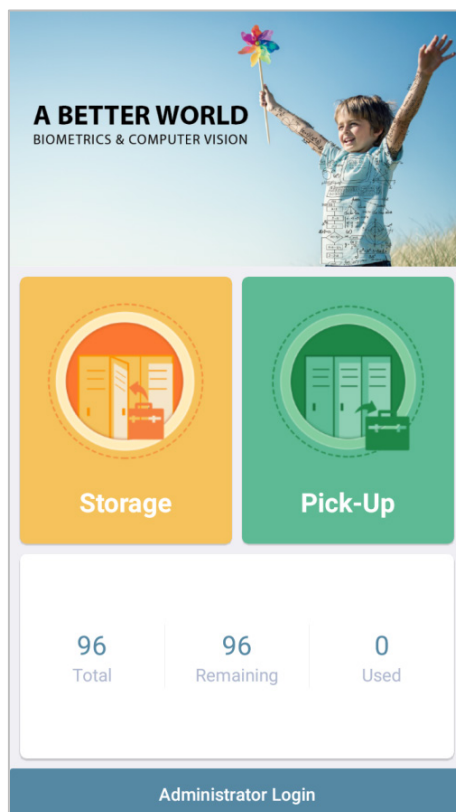
1.2 Default Basic Parameters

- **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 themselves).



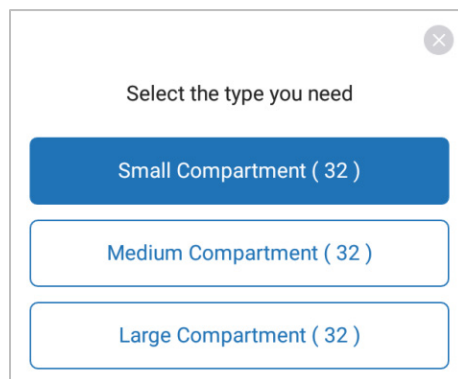
2.1 Advertisement

The ad supports mixed loop playback of pictures and videos, each picture is displayed for 5 seconds, and the video is switched after playing according to the actual duration.

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 selects the desired type of compartment, and the compartment is automatically unlocked.

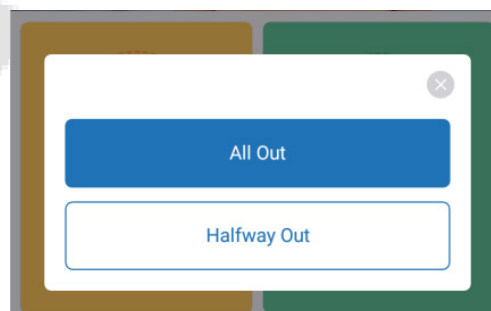
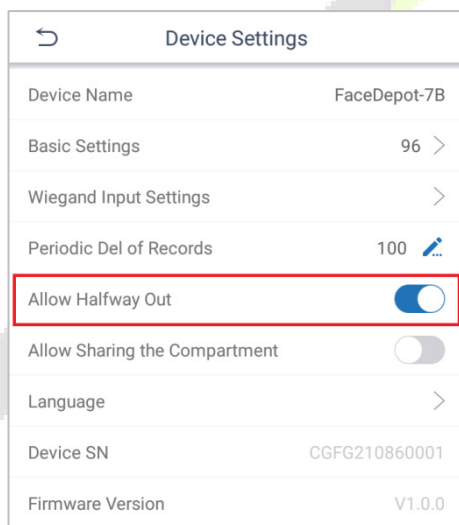


Small Compartment (32): There are thirty-two remaining small compartments.

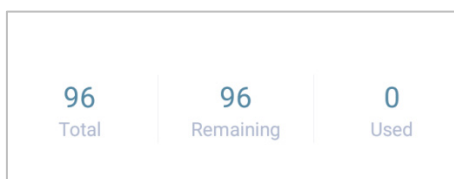
2.3 Pick-Up

Click this icon  to enter the pick-up process.

- If the administrator has set "Allow Halfway Out" after clicking the pick-up, the system will prompt a question asking whether to set as **[All Out]** or **[Halfway Out]**.
- If the administrator does not set to Allow Halfway Out, the user can only pick up once and must take out all items 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.

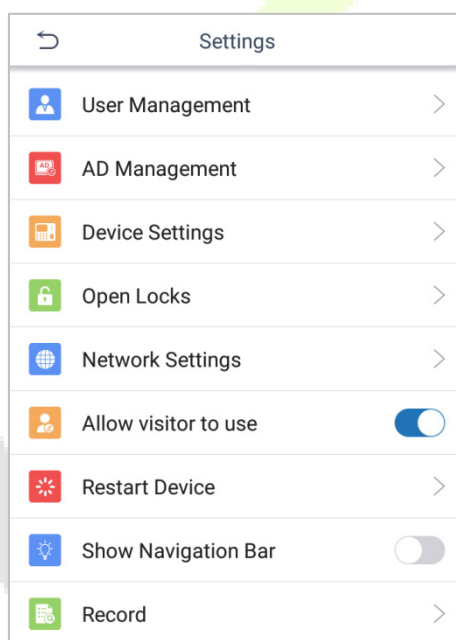
The number of compartment that users use regularly will be counted as used compartment and will not be allocated to other users.

2.5 Administrator Login

Click this button **ADMINISTRATOR LOGIN** 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:

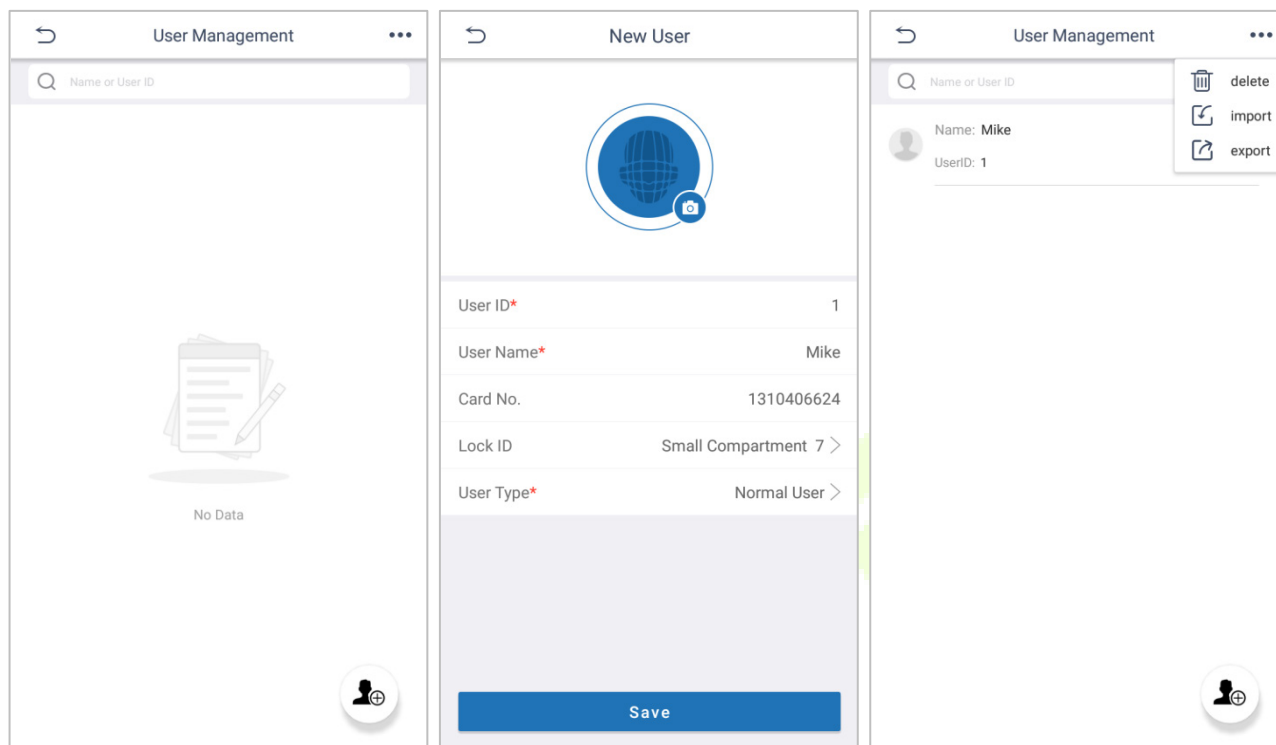


Menu	Function Description
User Management	Add user, delete user, view user details.
AD Management	For uploading advertising materials and setting the content of the home page advertising play.
Device Settings	For locker basic parameter setting.
Open Locks	For open lock and clear compartment.
Network Settings	Related functions are under development.
Allow Visitor to Use	Used to control the user type.
Restart Device	Used to restart the LockerPad-7B device.

Show Navigation Bar	Show bottom navigation bar.
Record	History record.

3.1 User Management

It is used for adding normal users and to modify usernames, passwords, and permissions.



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 store and pick up.

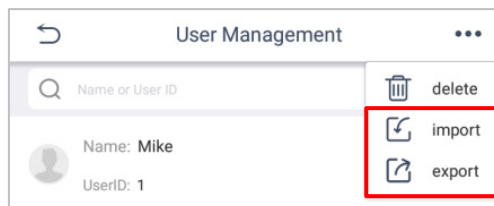
Register Face: Click **Face** to enter the face registration page.

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.


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


 **Note:** Before adding a user, please complete the device's basic parameter settings; otherwise, modifying the device's basic settings will release the connection between the user and the compartment.

3.1.2 Import and Export User Data to a USB

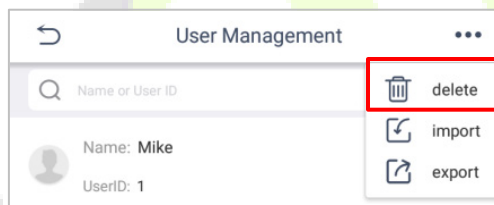




It is used for multiple devices to share a set of user data, and only supports importing and exporting user data via U disk.

 **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.

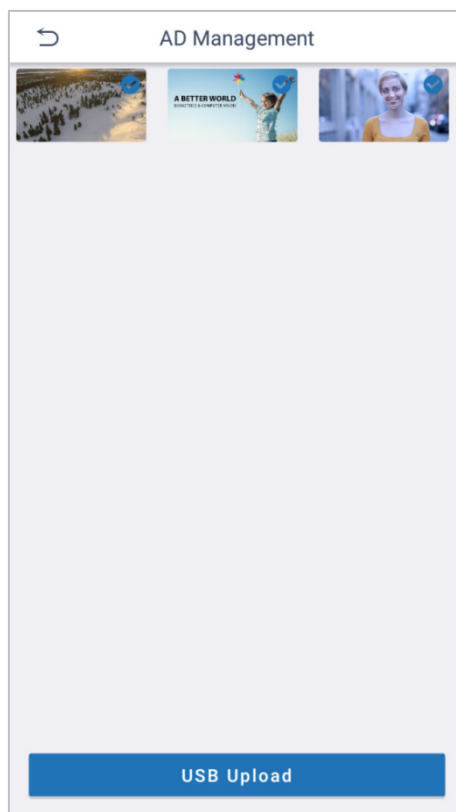
3.1.3 Delete User



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

3.2 Advertisement Management

This is used for uploading pictures and videos from a USB.




3.2.1 Upload an Adv

Upload pictures and video advertisements from a USB, 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 USB, click **Upload**, it will automatically recognize the ad materials in the AD folder and add them to the device.
3. After uploading, select the ads that need to be displayed.

Method 2:

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

3.2.2 Advertisement Removal

Exit the program, enter the Internal Memory/FaceLocker/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.

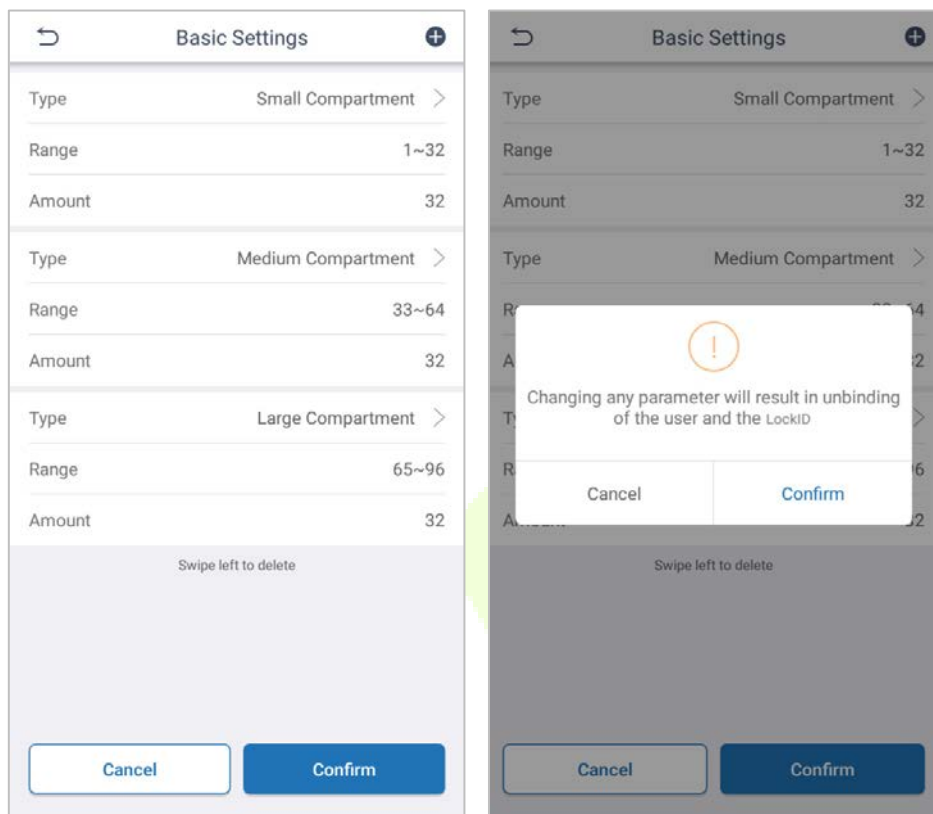


3.3.1 Device Name

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.

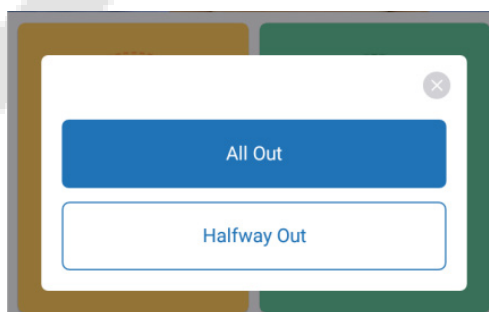
3.3.3 Wiegand Input Settings

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

3.3.4 Periodic Del of Records

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

3.3.5 Allow Halfway Out



It is enabled by default, and when users click to pick-up the items, it will ask if they want to do **[All Out]** or **[Halfway Out]**.

When disabled, after the user picks up the items, it is considered, by default, that the compartment is now empty, and the access process is complete and will end right away.

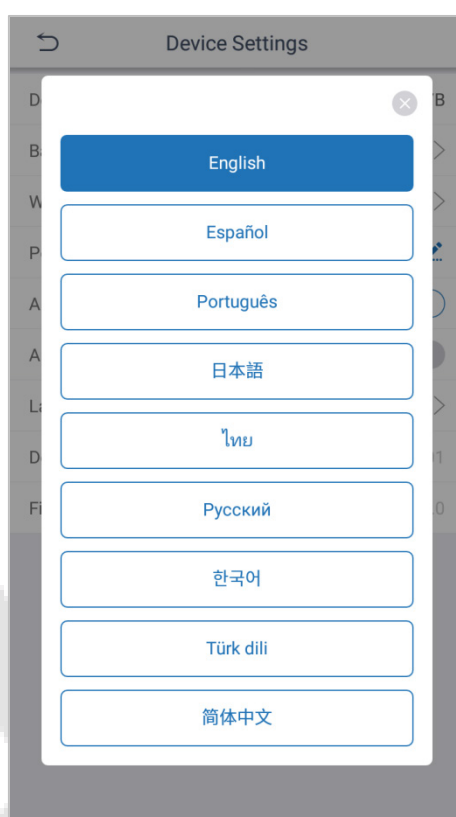
3.3.6 Sharing Rights of Using the Compartment

The function is disabled by default. In other words, when a user has connected to a locker compartment, other users cannot use the compartment with their account.

When the function is enabled, multiple people can use the compartment. The original user connected to the locker could share the rights of using it with family members or teammates.

3.3.7 Language

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



3.3.8 Device SN















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

3.3.9 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.

Open Locks		
Lock ID	User Name	Operation
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

3.4.1 Clear the Compartment

After clicking the  icon, the connection between the user and the locker compartment will be release, and the temporary user's data will be cleared, then the administrator will clean the compartment, preventing the user's belongings from being left and improving 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

Customers do not need to set up the network, and the functions related to network settings are still under development.

3.6 Allow Visitor to Use

When the admin turns on the function, visitors and temporary users not on the user registration list can self-register with their faces then use the locker. It is suitable for shopping malls, museums, and other areas with a relatively massive flow of people.


After the admin turns off the function, only registered users in the system can use the locker. It is suitable for gymnasiums, schools, and other private premises.

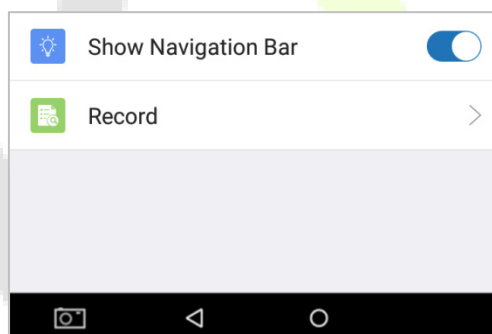
3.7 Restart Device

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

3.8 Show Navigation Bar

A navigation bar for operations such as leaving the locker software and closing advertisements will be displayed at the bottom of the screen when users turn on this function. Users may click on the ZKBioLocker software to enter the locker software interface again.

 **Note:** When you have completed locker parameters settings, please turn off the display navigation bar function to prevent users from clicking to exit the software, which might cause device malfunctions.



3.9 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			
	Name		yyyy/mm/dd
2021/09/15			
	Jupiter		
	Lock ID 62	10:07:48	Storage
2021/08/30			
	Jupiter		
	Lock ID 2	17:26:28	Pick-Up
	Jupiter		
	Lock ID 2	17:26:18	Storage
	Jupiter		
	Lock ID 1	17:26:05	Pick-Up
	Jupiter		
	Lock ID 1	17:25:53	Storage
2013/01/21			
	Jupiter		
	Lock ID 2	18:26:05	Pick-Up
	Jupiter		
	Lock ID 2	18:25:55	Storage

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