

ZKBioSecurity_V5000_4.1.0_R

Change Log

Date: July 2021

Doc Version: 1.0

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.



For further details, please visit our Company's website
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About the Company

ZKTeco is one of the world's largest manufacturer 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 **Change log of ZKBioSecurity V5000_4.1.0_R**.

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 Key Updates

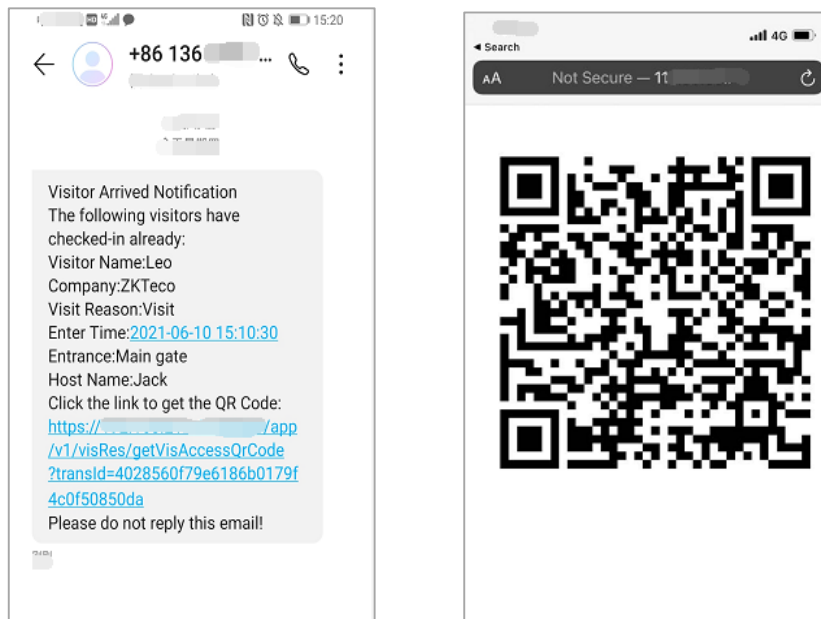
Implemented Changes	Description
Visitor System	<ul style="list-style-type: none"> • Included integration of SMS Services for sending SMS notification to visitors, administrator, and host. • Supports batch visitor management, such as invitation, check-in, check-out, badge print.
Access Control System	<ul style="list-style-type: none"> • Upgraded to Support InBio Pro Controller New Features • Added Device Data Synchronizing Mechanism
Parking System	<ul style="list-style-type: none"> • Integration of LPR Camera LPRC300
Time & Attendance	<ul style="list-style-type: none"> • Updated the menu structure and transaction reports layout. • Newly added Call the Roll Function
System and Platform	<ul style="list-style-type: none"> • Included secure Password Authentication Parameters • Upgrade platform security level. • Included Turkish language.

2 Functional Updates Details

2.1 Visitor System

2.1.1 Visitor Management–SMS Services

The visitor module supports the facility of sending SMS notifications to visitors, administrators or, hosts when visitor reservation, check-in, check-out has been expired.



2.1.2 Batch Visitor Management

To increase the efficiency of visitor management, especially the visitor group, the software allows the user to manage visitors in batches, such as invitation, check-in, check-out.

- **Batch Invitation**

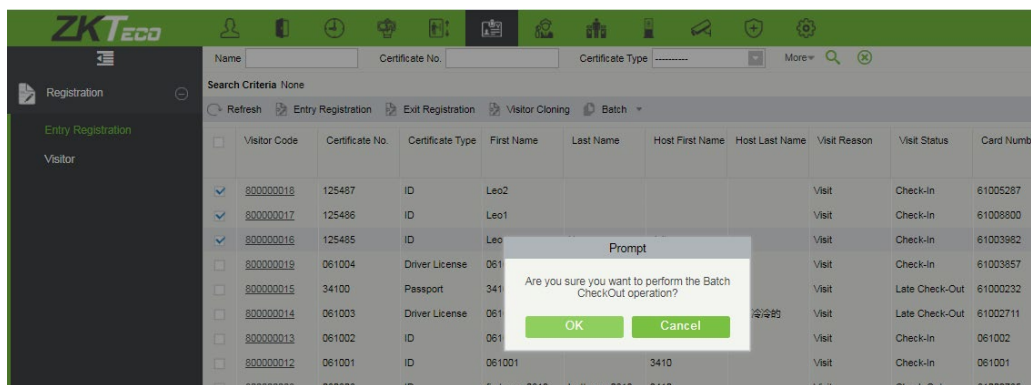
The interface of Batch Invitation is shown below.

- **Batch Check-in**

The interface of Batch Check-in is shown below: -

- **Batch Check-out**

The interface of Batch Check-out is shown below: -



2.2 Access Control System

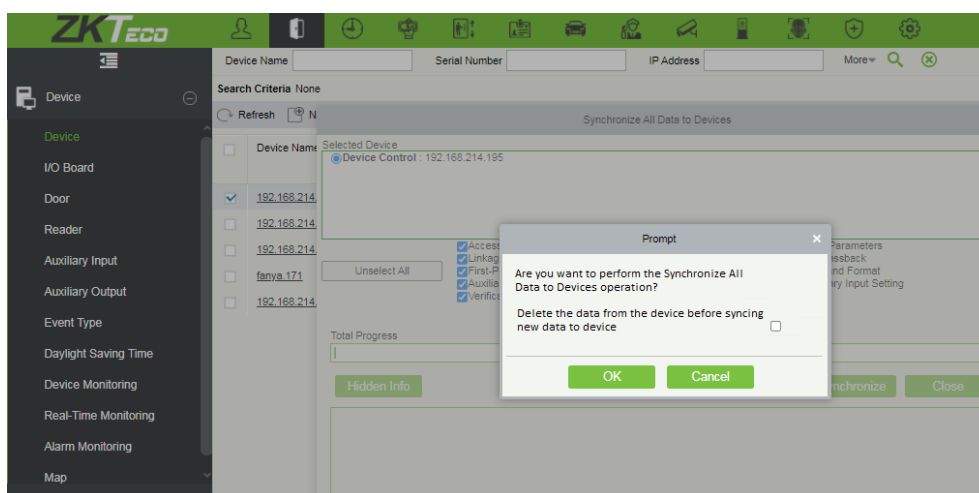
The software needs to be connected to an access controller to provide access control functions. To use these functions, the user must install devices and connect them to the network first, then set corresponding parameters, so that they can manage devices, upload access control data, download configuration information, output reports, and achieve digital management of the enterprise.

2.2.1 Upgrade to Support InBio Pro Controller New Features

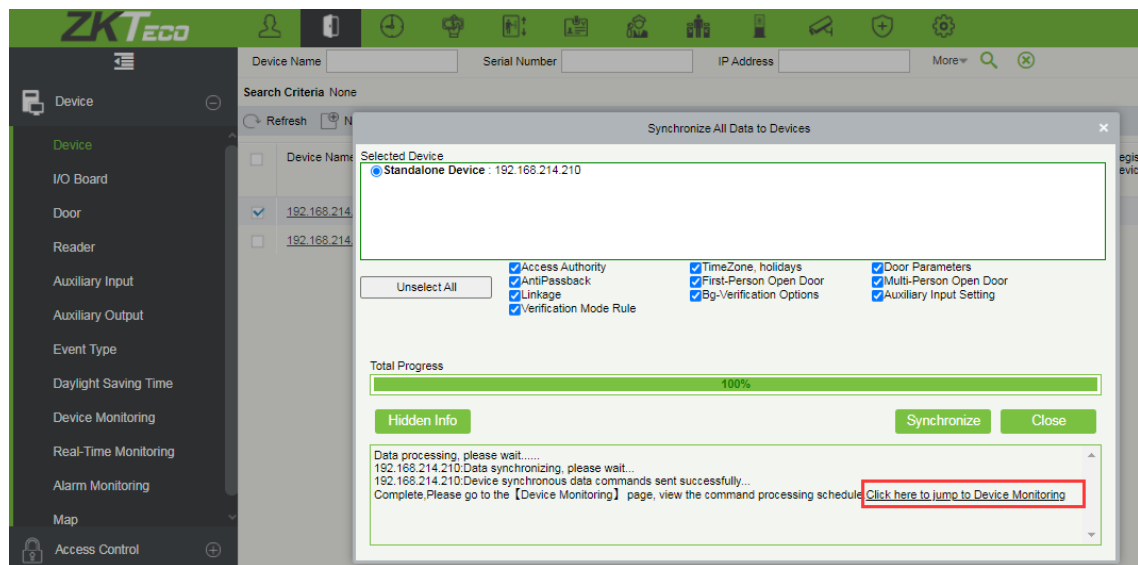
The software supports the latest version of InBio Pro firmware and now the system can read dynamic QR Codes through QR50 reader. Because of newly added features, the InBio Pro controller fully supports Data Transmission Encryption.

2.2.2 Optimizing the Device Data Synchronizing Mechanism

To synchronize all data to Device operation, users need to choose "Delete the Data from the device before syncing new data to device".



Once the synchronization is finished, the user is redirected to Device Monitoring page to view the execution process.



2.3 Parking System

2.3.1 Integration of New Generation LPR Camera LPRC300

With an embedded deep learning LPR algorithm and 3MP camera, the camera provides higher license plate recognition performance which is widely adaptable to parking and access control environments. Also, the LPRC300 supports Onvif Protocol that can access NVR to achieve the IPC functions.

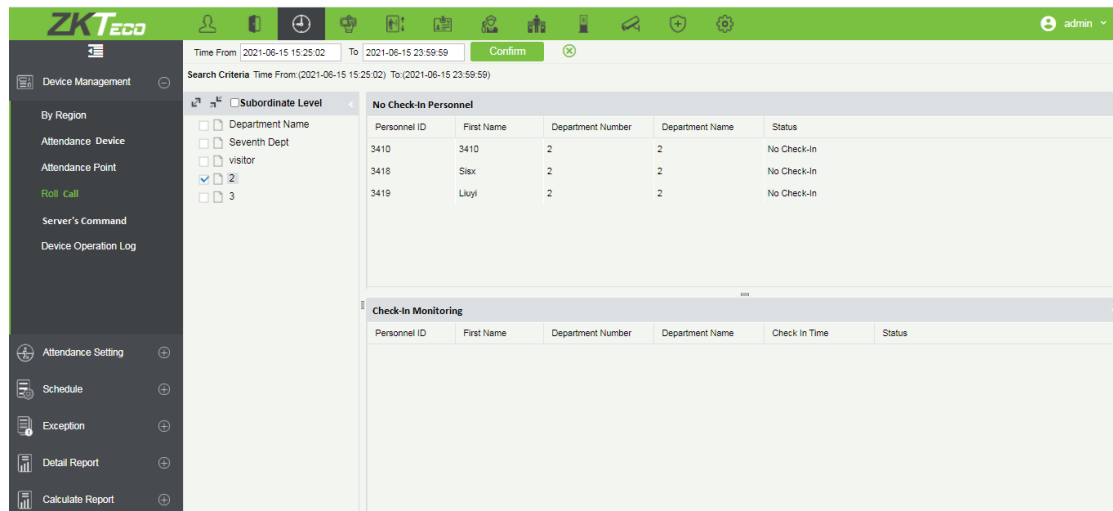
2.4 Time and Attendance

2.4.1 Optimized the Menu Structure

The menu structure of Rule Setting, Employee Schedule, and Reports is optimized. Hence, it is convenient for the user to centralize and manage attendance.

2.4.2 Call the Roll Function

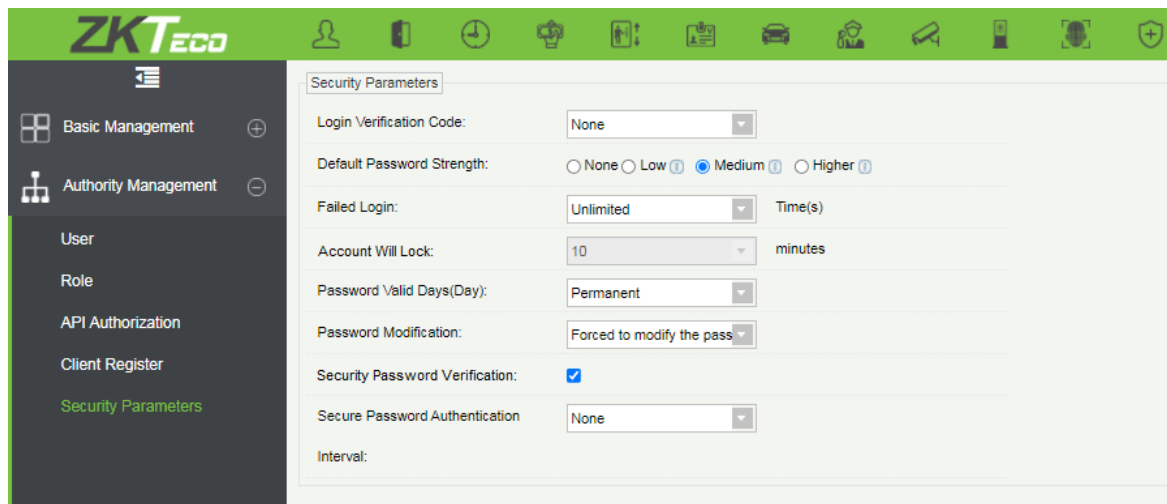
Users can check employees' check-in status by navigating to System > Attendance > Roll Call menu in real-time.



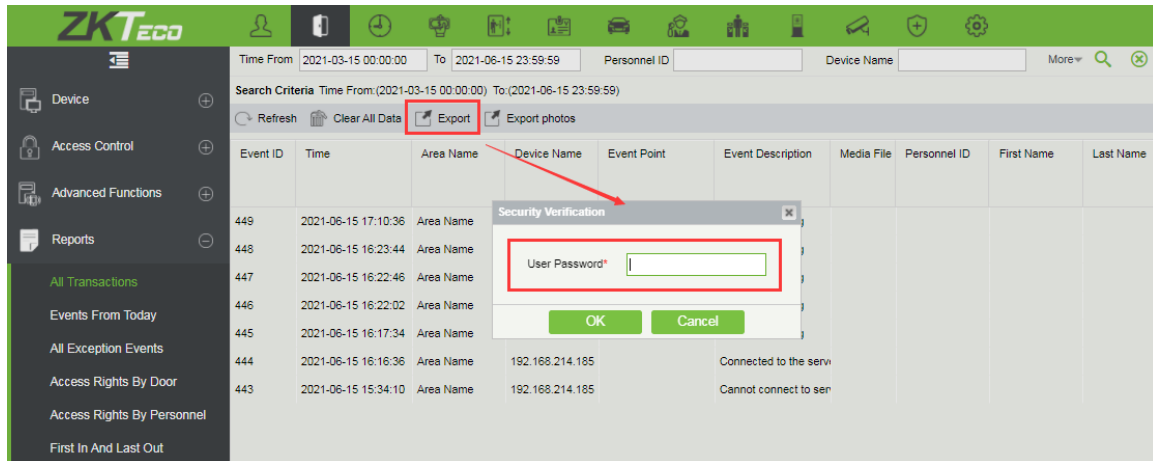
2.5 System and Platform

2.5.1 Secure Password Authentication Parameters

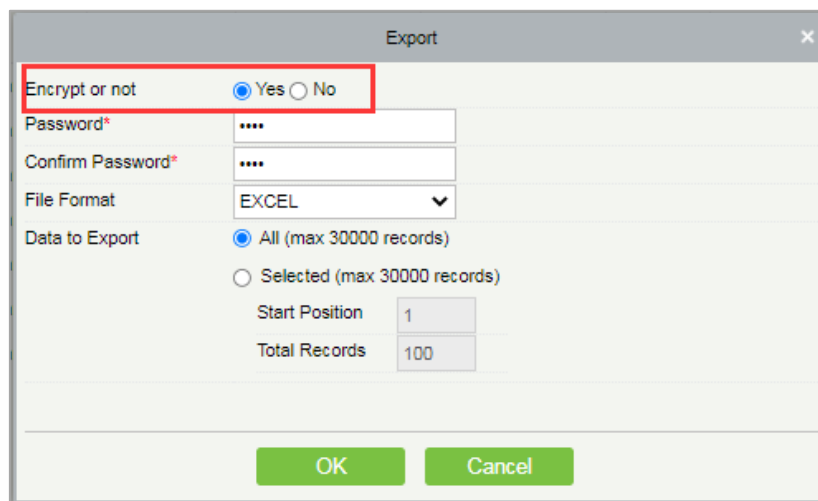
On **System**, click **Authority Management > Security Parameters**. There is a new option which is used for setting the secure password authentication interval. So, a user doesn't have to input the secure password again-n-again while doing the operation during the time interval.



Once the Security Password Verification option is checked, user needs to enter Secure Password Authentication Interval. For data export, user password is required for the security verification purpose in the system. Data export includes all kinds of reports, personnel information and so on.



On the Export interface, user can choose whether to **“Encrypt or Not”** by clicking on **“Yes”** or **“No”**. By clicking on **Yes**, a user is allowed to encrypt the export data file.



2.5.2 Overwrite Installation of New Version

The previous versions of ZKBioSecurity V5000 (V5000 2.0.0, 3.0.0, 3.1.0, 4.0.0, 4.0.1) can be upgraded to the latest version (V5000 4.1.0) by overwrite installation.

2.5.3 Supported Languages

The new version supports **Turkish** language. The software allows the users to switch among **18** languages.

The steps are as follows: -

- On the Login page, enter the login credentials.
- Select the required language from the drop-down as shown below:



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