

# **USER MANUAL**

# ZKParking

Version: 1.2 Date: Jan, 2018 Software Version: ZKParking 2.2.0 or above version

# About This Manual

- The pictures in this manual may not be exactly consistent with those of your product; the actual product's display shall prevail.
- The items marked with an asterisk (\*) are mandatory.

# Important Claim

Firstly thank you for purchasing our product, before use, please read this manual carefully to avoid the unnecessary damage! The company reminds you that the proper user will improve the use affect and authentication speed.

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Due to the constant renewal of products, the company cannot undertake the actual product in consistence with the information in the document, also any dispute caused by the difference between the actual technical parameters and the information in this document. Please forgive any change without notice.

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# 1. Installation & Uninstallation

### 1.1 Installation

- 1) Firstly, decompress the software package [ZKParking Setup Install.rar].
- 2) The ZKParking system runs in the .NetFramework4.5 environment. Find the [Microsoft .NET Framework 4.5.2-x86-x64.exe] file in the [tools] folder and double-click it to start installation.

Extracting files	x
Preparing: D:\b9798f46d951a90ecff7\Graphics\Rotate7.ico	
	Cancel

If this file has been installed on the computer, the message shown in the figure below is displayed:

Microsoft .NET Framework 4.5.2	×
Your installation will not occur. See below for reasons why.	
Details	
.NET Framework 4.5.2 or a later update is already installed on this computer.	
More information about <u>blocked .NET Framework 4.5.2 installations</u> .	
	e

- 3) Find the [Setup.exe] file in the installation package and start installation.
  - Select a setup language;



• Click [OK];

迟 Setup - ZKParking	Smai	rt Parking Sy	ystem	
		en e		

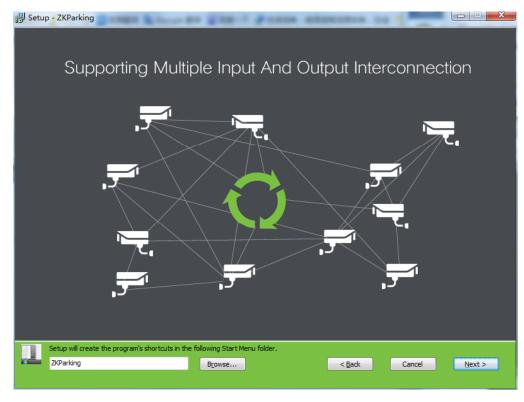
• Click **Browse...** to select a folder;

Browse For F	older	x
Select a folde	er in the list below, then click OK.	
C: Program	Files\ZKParking	
Þ 🌗	\$GetCurrent	
⊳ ]	\$WINDOWS.~BT	
	576da51eb99bc3f87fd2afd6917a4bdd	
⊳ 🎴	DataZKTC	=
⊳ 🏊	dosh	-
⊳ 🏊	Intel	
⊳ 🌗	MSOCache	
⊳ 🏊	PerfLogs	
⊳ 🚺	Program Files	
⊳ ]	ProgramData	
⊳ 🌗	QMDownload	+
-		
	OK Cance	<b>!</b>

• And then, click [Next];



• There is no need to select [Fingerprint reader driver], click [Next];



Click Browse... to select a folder, setup will create the program's shortcuts in the following Start

Menu folder;

Browse Fo	or Folder	×
Select a f	older in the list below, then click OK.	
ZKParkir	ng	
D 🕞	CorelDRAW Graphics Suite X7	
	Foxmail	
D 🕞	Macromedia	
D 🕞	Microsoft Office	=
D 🕞	Microsoft SQL Server 2005	
D 🕞	Microsoft SQL Server 2008	
D 🕞	Microsoft SQL Server 2012	
D 📔	Microsoft Visual Studio 2005	
	Picasa 3	
	SharePoint	
	Skype	-
	ОК	Cancel

• Click [Next];

명 Setup - ZKParking	Simple Wiring	Installati	on Mode	
Click Install to continue with the change any settings.	e installation, or click Back if you want to re	view or	< Back Ca	ncel

• Click [Install] to continue with the installation, or click [Back] if you want to review or change any settings. If a firewall is configured, click [Allow the operation] in the displayed message box.

设 Setup - ZKParking	New Us	ser Interfa	ice	X
User Extracting files C:\DataZKTC\postgresql\indude	Equipment	Management	Cancel	

• Finish.

词 Setup - ZKParking	24 Hour Real-time Monitoring	
	24h	
Completing	the ZKParking Setup Wizard	
completing		Einish

# 1.2 Uninstallation

If you want to uninstall ZKParking, there are two methods:

1) Click [Start]→[Control Panel]→[Uninstall a program], right-click [ZKParking 1.0], then click [Uninstall]:

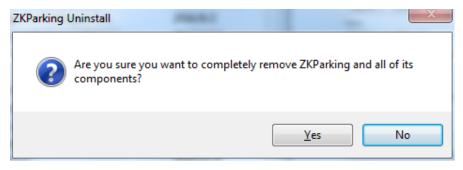
File Edit View Tools Help				
Control Panel Home View installed updates Turn Windows features on or off	Uninstall or change a program To uninstall a program, select it from the list and then	click Uninstall, Change, or Repair		
	Organize  Uninstall	<b>D</b> 1 11 1	•	
	Name	Publisher	Installed On	Si
	SDTtelecom USBDrv v3.0	SDTtelecom	2016/8/11	
	Skype(TM) 7.25	Skype Technologies S.A.	2016/8/2	
	SQL Server Browser for SQL Server 2012	Microsoft Corporation	2017/4/12	
	SQLXML4	Microsoft Corporation	2016/7/18	
	💽 Total Recorder 8.5 专业版		2016/8/31	
	Vantage TimeTracker V5.0 3.1.0.0	Vantage	2016/7/8	
	💐 Windows 驱动程序包 - DigitalPersona, Inc. (usbdpfp)	DigitalPersona, Inc.	2017/1/22	
	) WinRAR 5.40 (32-位)	win.rar GmbH	2016/11/4	
	Word2CHM Addin v1.4.7.5	_xerox_	2016/7/29	
	■ ZKAccess3.5 门禁管理系统	ZKTeco	2016/11/8	
	CKParking 1.0	ZKTeco	2017/5/17	
	I ZKTeco 居民 Uninstall	ZKTeco	2016/8/11	
	< <u>"</u> ""			

2) Click [Start]  $\rightarrow$  [All Programs]  $\rightarrow$  [ZKParking]  $\rightarrow$  [Uninstall ZKParking]:

퉬 ZKParking	
P Database Set	
🐻 Uninstall ZKParking	
P ZKParking	

Ξ

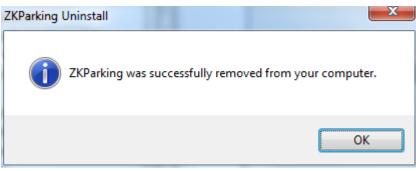
The following message box is displayed in both methods:



Click [Yes] to confirm the uninstallation operation or [No] to cancel the operation.

ZKParking Uninstall	X
Uninstall Status Please wait while ZKParking is removed from your computer.	1 <del>0</del>
Uninstalling ZKParking	
	Cancel

The following prompt will pop up when uninstallation is complete:

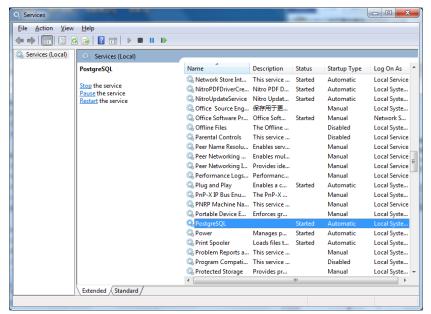


KNote: If any software errors occur, you do not need to uninstall the software. Instead, you can directly install it again.

# 2. Database Settings

After installation, you need to connect to the database to log in to the software. This chapter introduces the creation and connection of the database.

This software is compatible only with the **PostgreSQL** database. The database environment is automatically installed and the **PostgreSQL** database service is installed in the OS services. (You can click [Start] $\rightarrow$ [Control Panel] $\rightarrow$ [All Control Panel Items] $\rightarrow$ [Administrative Tools] $\rightarrow$ [Services], to check whether the **PostgreSQL** database service is generated. If not, right-click it and choose [Start] ). If you cannot find the PostSQL in the [services], open the file C:\DataZKTC\postgresql\startserver(Run as Administrator).



Database Setting: Click [Start]→[All Programs]→[ZKParking]→[Database Set] to open the database setup interface:

		$(\!$
This is APP dat:	abase setting	
Server Name	127.0.0.1	
Database Name	db1	
User name	postgres ****	
 Password	-1-1-1-1-1-	
	-	Exit
Click to setup new data	base	Create database

• Server Name: Name of the server, that is, IP address or name of the computer where the database is installed. If the database and software are installed on the same computer, the IP address 127.0.0.1 can be used as the server name.

- Database Name: The initial database name is postgres.
- User name: The default user name is postgres.
- Password: The default password is sa123. The port 5432 is used.

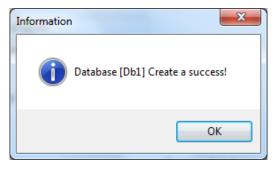
Kote: If the database environment already exists in the OS, initialization is not performed.

### 2.1 Create a new database

On the database setting interface, click [Create database]:

		$\otimes$
		Create new database name
	Server Name	127.0.0.1
ZKTzco	Database Name	Db1
	User name	postgres
	Password	*0000*
		Save setting Exit

Enter the server name, database name, user name and password, then click [Save setting]:



A database cannot be created repeatedly. That is, creating a database that already exists will fail:

			$(\times)$
		Create new database name	
	Server Name	127.0.0.1	
ZKTECO	Database Name	db1	
Information	User name	postgres	
	Password	****	
Database creation faile	ed	Sawe setting Exit	

# 2.2 Database Connection

On the database setting interface, enter the server name, database name, user name and password, then click [Test Link] to test whether the current database connection is normal. After connection success, click [Save setting] to apply the current configuration to the software.

Information	X
Congratulations, application database co	nnection successfully saved!
	ОК

Kote: To remotely connect to the database, perform setting as follows:

• Open the **pg\_hba.conf** file in C:\DataZKTC\postgresql\data. In the configuration file, modify the access IP network segment, as shown in the figure below: (To ensure that all IP addresses on the entire network segment 192.168.100.\* are accessible, add [host all all 192.168.100.0/24 trust] ).

pg_hba.conf - Notepad					x
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> el	lp				
# TYPE DATABASE METHOD	USER	ADDR	ESS		~
# IPv4 local connection	18:				
host all all	127.0.0	0.1/32	trust		
# IPv6 local connection	1S:				
host all all	::1/128	tru	ist		
# Allow replication con	nections from	m localhost, b	y a user	with the	
# replication privilege.					
#host replication p	ostgres	127.0.0.1/32	t	rust	
#host replication p	ostgres	::1/128	trus	st	4
				Ln 85, Col 7	÷t.

• Open the **postgresql.conf** file in C:\DataZKTC\postgresql\data. In the configuration file, modify the listening address to "**\***", as shown in the figure below:

postgresql.conf - Notepad		
<u>F</u> ile <u>E</u> dit F <u>o</u> rmat <u>V</u> iew <u>H</u> elp		
#		^
# CONNECTIONS AND AUTHENTIC		
# - Connection Settings -		
#listen_addresses = 'localhost' on;	# what IP address(es) to listen	
	# comma-separated	
list of addresses; 'localhost'; use '*' for all	# defaults to	
	# (change requires	Ŧ
	Ln 76, Col 4	

# 3. Login



Double-click the shortcut **ZKParking** on the desktop. If you use the software for the first time, the software requires registration, as shown in the figure below:

P	Question	$\otimes$
?	Trial version requires registration	
	Yes No	

Click [Yes] to access the License information interface or [No] to cancel the operation.

	License information
Software brochure code	
	Download
License type	Date
Trial	2017-06-19
Company Name	Email
ZKTecoGo	Simen.tan@zkteco.com
The serial number file Choose File No File	
Register Online Register Off	fline

Registration: you can choose register online or register offline.

#### Register Online

1) Click Choose File, select the SN.xml file, and then fill in the company name and email address on the

License information interface.

Control and parking management system in V1.5.0 software license						
Lic	ense information	n				
Software brochure code						
D96454-65EAB2-8860C3-8C908C-88016E-67	7924-51DF63		Download			
License type		Date				
Trial 2017-06-19						
	License					
Company Name		Email				
ZKTecoGo		Simen.tan@zkteco.com				
The serial number file	The serial number file					
Choose File C:\Users\Simen\Desktop\Test-Parking-SN.xml						
Register Online Register Offline						
Trial Exit						

2) Then click Register Online to finish the registration.

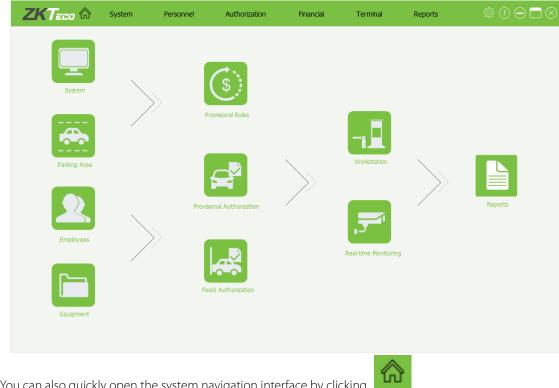
#### • Register Offline.

- 1) Click Choose File, select the SN.xml file, and then fill in the company name and email address on the License information interface.
- 2) Click **Download** to download the **UPK.xml** file, and then send it to our technical support staff, who will send the **License.xml** file to you.
- 3) On the License information interface, you can click Register Offline, open the License.xml file to

finish the registration.

When the registration is complete, the login interface will pop up, as shown in the figure below, the default user name and password are both **admin**:

ZKTeca	$\otimes$
admin	
ô ****	
Login	



After login, the system navigation interface pops up:

You can also quickly open the system navigation interface by clicking

# 4. Personnel Management

# 4.1 Department Management

Click [Personnel]  $\rightarrow$  [Department] to access the Department management interface, on which you can add, edit, and delete departments.

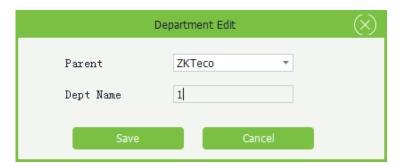
KNote: By default, a company named ZKTeco and a department named temp DepartMent exist in the

system. The default company name can be modified on the page displayed after you choose [System] → [Basic Settings], for details, please refer to <u>5.1 System Settings</u>. The default department name can be directly modified. However, the default values cannot be deleted; otherwise, software errors may occur.

ZKTeco 🕅	System	Personnel	Authorization	Financial	Terminal	Reports	‡ ? ⊖ ⊂ ⊗
Department							Logged in user:admin
+ 🟛							
⊡…∰ ZKTeco							

### 4.1.1 Adding a department

On the Department management interface, click to access the Department Edit interface:



Parent: Upper-level department. It is an important parameter that defines the organizational structure of the company. Click ▼ and select parent in the displayed drop-down list. Enter the department name and

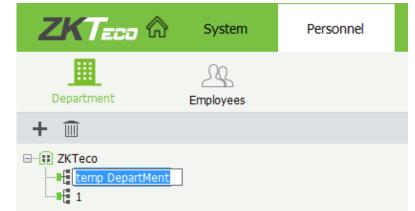
click Save The company's organizational structure is displayed in a tree structure.

<b>ZKT</b> =co &	System	Personnel
Department		
+ 🔟		
Erig ZKTeco		

**ONOTE:** It is not allowed to enter the existed department name.

### 4.1.2 Editing a department

On the Department management interface, double-click the department you want to edit.



Modify the department name on the input box, and then press [Enter] on the keyboard, the following prompt will pop up:

P		$\otimes$								
?	You sure you want to change the Department name ?									
	Ye	s I	No							
Click [Yes]:				-						
	ZKTECO 🕅	System	Personnel							
		28								
	Department	Employees								
	+ 🔟									
	⊡ ∰ ZKTeco									

### 4.1.3 Deleting a department

On the Department management interface, select the department you want to delete, and then click the selected department will be deleted directly.

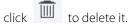
# 4.2 Employees Management

Click [Personnel]→[Employees] to access Employees management interface, on which you can add, edit, delete, import, and export employee information.

ZKTeco 🕅	System	Personnel	Authorization	Financial	Terminal	Reports	‡??⊖⊡⊗
Department	Employees						Logged in user:admin
Employees		😭 Save 🗎 💼 Dele		t			
Q By personnel number or nar		nformation					
					(200*200	))	
	First Last Emp Emp	> Number [ Name [ Department ] Gender ]	temp DepartMent *	- - -	No image	data	
	Pho	ne Number		Email			
	Birth	nday	¥				

- 1) Basic Settings: Basic information about the employee.
- Emp Number: By default, the employee number is a string of a maximum of nine digits. The value range is 1 to 999999999. Set the employee number based on the actual situation. Employee numbers must be unique.
- First Name/Last Name: The value is a string of a maximum of 24 characters.
- Emp Department/Gender: Select the department/gender of the employee from the corresponding drop-down list.
- Password: The value is a string of a maximum of eight digits. The password must be unique.
- Phone Number: The maximum length is 11 digits.
- Email: Enter a valid email address of the employee.
- Birthday: Select the birthday of the employee from the drop-down list. About how to choose a date, please refer to Appendix 1 Date Setting.
- Image: The optimal size is 200 x 200 pixels. The image capacity must be less than 2 MB. Picture formats

including jpg, jpeg, bmp, png and gif are supported. Click 📕 to browse the selected image and



2) License Number: license plate number of the employee.

+ New 🗎 S	Save	🔟 Delete 🕒 Imp	oort 🔄 Export			
Basic Settings	L	icense Number				
License Pla	te I	Information				
						_
		Car number	Car type	Car color	Parking spaces	14
	•	สห5612			1	
						Ī

• **Car number:** Input an effective car number on the input box. If an invalid license plate number is input, the following prompt will pop up:

P	Error	$\otimes$
Â	Illegal license plate number	

Click + to add a license plate number. Multiple license plate numbers can be added for an employee.

click to delete a license plate number.

### 4.2.1 Adding an employee

On the Employees management interface, click + New, fill in the basic information and license number of

the employee, then click **B** save to save the settings or click **C** cancel to cancel the operation.

### 4.2.2 Editing an employee

On the Employees management interface, select an employee whose information is to be edited. On the

right of the interface, modify the basic information and license plate number and then click 🗎 Save

### 4.2.3 Deleting an employee

On the Employees management interface, select an employee and click melete. The following prompt

will pop up. Click Yes to delete the employee or clcik No to cancel the operation.



### 4.2.4 Importing & Exporting employees

#### 1) Import

On the Employees management interface, click [ Import import employee information to the software.

Three file types are supported: MS Excel, Text file and CSV file. Click 🔟 to select the file path.

	Import Wizard Employees	$\otimes$
Select the typ	pe and name of the import file	
File types		
MS Excel		
<ul> <li>Text file</li> </ul>		
O CSV file		
Original file		
	Back Next	Cancel

#### 2) Export

On the Employees management interface, click Export to export employee information from the

software. Three file types are supported: MS Excel, Text file and CSV file. Click is select the save path of the exported file.

	Export wizards Employees	$\otimes$
Select		
File types MS Excel Text file CSV file		
Export file		]
	Back Next Ca	ancel

# 5. System Management

System management includes System, User, Role and Black and White Lists.

# 5.1 System Settings

Click [System]→[System]→[Basic Settings] to access System setting interface:

<b>ZKT</b> ≣co ŵ	System	Personnel	Authorization	Financial	Terminal	Reports	\$\$ ? ⊖ □ ⊗
System	<u>N</u> User	Role	Black /	∛ And White Lists			Logged in user:admin
Basic Settings DB Setting	S						
Company name			ZKTeco				
The save path of pic	tures		C:\Image\			iii •	
Plate matching preci	sion		6	*			
Set the enabled car	model or custom n	ame	Set				
Enable unmatch	ed minimum charge	S		0 🗘 \$			
Fixed alarm days	1	* *	Fixed car multiple in	and out	Fixed car statistic	al spaces	
Fixed car to tem	p		Temp car multiple i	n and out	Enable fixed car	charges	
Enable consume	r discounts		Print consumption t	icket			
Full Parking Spaces Allov	v Entry Models						
ProvisionalA Model	onthCarA 🗹 Mon	thCarB 🗹 MonthCarC	MonthCarD				
						Save	

- Company name: Name of the company. This field is mandatory.
- The save path of pictures: Click 🐸 to select the save path of pictures. This field is mandatory.
- Plate matching precision: Match precision for identifying license plates. The default value is exact match. Other two value options are available: 6 and 5.
- Set the enabled car model or a custom name: Click \_\_\_\_\_, the following prompt will pop up,

select the enabled car model. You can modify the car model name. Then click **Sure** to save the settings. When the car model name is modified, it is synchronized to [Yards allowed entry model] on the interface.

			Car Type Set	C
	En	Name	Car Type	Default
Þ	$\checkmark$	ProvisionalA	Temp	ProvisionalA
	$\checkmark$	ProvisionalB	Temp	ProvisionalB
		ProvisionalC	Temp	ProvisionalC
		ProvisionalD	Temp	ProvisionalD
	$\checkmark$	MonthCarA	Month	MonthCarA
	$\checkmark$	MonthCarB	Month	MonthCarB
		MonthCarC	Month	MonthCarC
		MonthCarD	Month	MonthCarD
				Sure

- Enable unmatched minimum charges: If no record is matched when a car exits the parking lot, the preset minimum charge prevails.
- Fixed alarm days: If the validity period of a fixed car is shorter than the specified value, the number of remaining days is displayed on the LED screen when the car enters and exits the parking lot.
  - Fixed car multiple in and out: A fixed car can enter and exit the parking lot with no matched record required.
  - > Fixed car statistical spaces: A fixed car occupies a parking space after entering the parking lot.
  - > Fixed car to temp: After the validity period expires, a fixed car is treated as a provisional car.
  - Temp car multiple in and out: A provisional car can enter and exit the parking lot with no matched record required.
  - Enable fixed car charges: Specified rules must be followed during the authorization and renewal of a fixed car.
  - Enable consumer discounts: If this item is selected, a discount is applied when a car exits the parking lot; otherwise, the parking expense is charged based on the original price.
  - Print consumption ticket: If this item is selected, the receipt is printed when a car exits the parking lot; otherwise, the receipt is not printed.
- Full Parking Space Allow Entry Models: Car models that are allowed to enter the parking lot when the parking spaces are used up. Multiple car models can be selected.

Set the parameters based on the actual situation and then click **Save**. To modify any parameter, directly modify it and save the modification.

# 5.2 User Management

User management involves system operator management. Click [System]→[User] to access User management interface, on which you can add, edit, and delete users. The system has a default administrator user whose default user name and password are both admin.

<b>ZKT===</b> ŵ	System	Personnel	Authorization	Financial	Terminal	Reports	‡ ? ⊖ □ ⊗
System	<u>S</u> User	Role	Black A	And White Lists			Logged in user:admin
✓ Number Name ✓ 84 admin	Basic Settin	😭 Save 🗎 Delete					
C DY dumin		User Name Password Email Character	admin ===== zkteco@zkteco. ✓ Administrato wwww				

• User Name: Name of the operator. This field is mandatory.

- Password: Password of the operator. This field is mandatory.
- Email: valid email address of the operator. This field is mandatory.
- Character: Select the role that is set in section <u>5.3 Role Management</u>.
- **Comments:** Description of the operator. This field is optional.

### 5.2.1 Adding/Editing/Deleting a user

The method of Adding/Editing/Deleting a user is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

**Note:** When deleting users, reserve at least one administrator user; otherwise, login to the system will fail.

### 5.3 Role Management

During operation, the super user must grant different operation rights to new users. Operation rights can be set for users in batches. Specifically, set roles with certain operation rights in role management and assign an appropriate role when creating a user.

Click [System]→[Role] to access Role management interface, on which you can add, edit, and delete roles. The system has a default role named admin.

### 5.3.1 Adding a role

On the Role management interface, click **+** New to access the role addition interface:

ZKT	<b>eo</b> 60	System	Person	nel A	uthorizatior	ı I	inancial	Terminal	Reports	\$\$ () 🖯 🗖 (S
System		<u>S</u> User			E	ilack And Wh				Logged in user:admin
Role		+ New	🛱 Save 🚫	Cancel						
Number	Name	General								
85	Administ	T								
✓ 104	wwww	Role nan	ne www	ww			*			
		Commen	ts			*				
		System	Personnel	Authorization	Financial	Terminal	Reports			
			onnel epartment Select Select Update Delete Import Export							

Set the role name and select the operation rights of the role in the rights list. Or select the highest-level rights to select all the lower-level rights. Specifically, select the root node **Personnel** and all lower-level

rights, including **Department** and **Employees**, are selected. Click **Bave** to save the settings or click

Scancel to cancel the operation.

### 5.3.2 Editing/Deleting a role

The method of Editing/Deleting a role is similar to the method of Editing/Deleting an employee. For details, please refer to <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

# 5.4 Black And White Lists Management

Cars on the white list, including fire trucks, police cars, and privileged cars, can enter and exit the parking lot free of charge. Cars on the black list are not allowed to enter or exit the parking lot.

Click [System]→[Black And White Lists] to access Black And White Lists management interface, on which you can add, edit, and delete information.

<b>ZKT</b> සං	System	Personnel	Authorization	n Financial	Terminal	Reports	‡ 0 ⊖ ⊟ ⊗
System	<u>S</u> User	R	ple	Slack And White Lists			Logged in user:admin
	5-03-0 2017-07-0 7-07-0 2017-08-0		🗎 Save 🗊 Delet	e 🔄 Import 🗗 Export			
			License number	หร6891	*		
			Туре	Black list 🔻	*		
			Start	2017/7/8 🔻			
			End	2017/8/7			

- License number: Input an effective car number on the input box.
- Type: Choose White list or Black list.
- Start/End: The Start and End fields are unavailable for cars on the black list. The start date must be earlier than the end date. About how to choose a date, please refer to <u>Appendix 1 Date Setting</u>.

### 5.4.1 Adding/Editing/Deleting a Black or White list

The method of Adding/Editing/Deleting a Black or White list is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>.

### 5.4.2 Importing & Exporting Black or White lists

The method of Importing/Exporting Black or White lists is similar to the method of Importing/Exporting employees. For details, please refer to <u>4.2.4 Importing & Exporting employees</u>.

# 6. Terminal Management

Terminal management includes Equipment, Parking Area, Workstation, Region Linkage and Real-time Monitoring.

# 6.1 Equipment Settings

Click [Terminal]→[Equipment] to access Equipment settings interface, on which you can add, edit, and delete devices.

ZKTeco 🗟	System	Personnel	Authorization	Financial	Terminal	Reports	‡??⊖⊡⊗
Real-time Monitorin	Equipment	Parking Area	Workstati	on R	Region Linkage		Logged in usertadmin
Name Car Typ	e IP Address	+ New 🗎 Sav	/e 🗊 Delete				
		Add	ch Device		P Address     Password	Q Search Device Stop Searching	
		D	evice Type		<b>*</b>		

### 6.1.1 Adding a device

On the Equipment settings	s interface, click + New to access the device addition interface and set relevant
information. Then click	save to save the settings or click Cancel to cancel the operation.
+ New	Para Save
	Search Device          ZK license plate recognition 201 192.168.100.88 <ul> <li>ZK license plate recognition 201 192.168.100.189</li> <li>ZK license plate recognition 201 192.168.100.108</li> <li>Search Device</li> <li>Stop Searching</li> </ul>
	Add Device         Device Name       ZK license plate recognition         User Name       admin         Password       admin         Device Type       ZK license plate recognition         ZK license plate recognition       #         ZK license plate recognition       200         ZK license plate recognition       201

- Device Name/IP Address: Click I to search for devices and select a device. Then the device name and IP address are displayed in Add Device. The device information is mandatory and can also be manually entered.
- User Name/Password: Name/password of the camera.
- Device Type: Four value options are available: ZK license plate recognition, ZK park controllers, ZK license plate recognition 200 and ZK license plate recognition 201.

### 6.1.2 Editing/Deleting a device

The method of Editing/Deleting a device is similar to the method of Editing/Deleting an employee. For details, please refer to <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

# 6.2 Parking Area Settings

A parking lot has multiple parking areas. Click [Terminal]  $\rightarrow$  [Parking Area] to enter Parking Area settings interface, on which you can add, edit, and delete parking areas.

	ZKTeco	合	System	Personn	el Authoriza	tion I	Financial	Terminal	Reports	\$ ? ⊖ □ ⊗
	Real-time Monito	orin E	quipment		Parking Area	Workstation	Re	gion Linkage		Logged in user:admin
_	Name	Parking 3		Remark	+ New 🗎 Save	Delete				
ŀ	Area 1 Area 2	3	******							
					Parking Lot	Yar	rd	* *		
					Name			*		
					Spaces	0				
					Comments					

- Parking Lot: Parking lot of the parking area. The default value is Yard, which is the only value.
- Name: Name of the parking area. This field is mandatory.
- Spaces: Total number of parking spaces of this parking area.
- **Comments:** Description of the parking area. This field is optional.

### 6.2.1 Adding/Editing/Deleting a parking area

The method of Adding/Editing/Deleting a parking area is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

# 6.3 Workstation Settings

ZKTeen 🕅 Syst	em	Pe	ersonnel	Aut	horization	Finar	ncial	Terr	ninal	Reports	\$\$ () 🕀		$\square \otimes$
Real-time Monitoring Equipm	_		Pa	Irking Area	Worksta	- = tion	Re	gion Link	age		Logi	ged in user:ad	min
+ New 🗎 Save 🗊 Delete		Workst	tation name	N	Vorkstation 1	•	Workstati	on IP	92.168.1	. 1	* Added chan	nel	
→			Entr Small car	Auto	Automat ☑	Equ	Camer 192.168.		Auxili 192.168.1.66	Auxili 3	Round 0:08:00	Round To 0:24:00	Delete Delete
Workstation 1 ⊕…g Area 2													
	<											>	
	Ba	sic Setting	<b>JS</b>										
		🗸 Er	nables manu	ial release			$\checkmark$	Single c	nannel mode				
	Temporary card quickly out						✓ Wide-mouth mode						
		V T	emporary ca	ar charges all	ow replacement i	models	Furtrance check license plates						
		V Al	lows tempo	rary car free			~	Exit che	ck license plate:	5			

Click [Terminal]→[Workstation] to access Workstation settings interface:

- Workstation name: Name of the workstation. This field is mandatory. The workstation name can be duplicate with other workstation names.
- Workstation IP: IP address of the workstation. This field is mandatory. You cannot specify multiple workstations for a single IP address.
- Channel name: You can click the channel name to modify it. The default name is Entrance.
- Entrance and exit types: Select an access type from the drop-down list. The value options include Largest car entrance, Largest car exit, Small car entrance, Small car exit, Central charging point and Central change exit.
- Automatic opening of temporary: After this item is selected, the boom barrier is automatically raised when a car is identified as a provisional car.
- Automatic opening of fixed: After this item is selected, the boom barrier is automatically raised when a car is identified as a fixed car.
- Equipment: It refers to ZK park controllers. Select a value from the drop-down list. Park controllers must be added to Equipment in advance. For details, please refer to <u>6.1.1 Adding an device</u>.
- Camera IP: Select a value from the drop-down list. Devices must be added to Equipment in advance. For details, please refer to <u>6.1.1 Adding an device</u>.
- **Camera:** Position that the main camera is displayed on the monitoring interface. After an IP address is set for the main camera, the default position of the main camera is 0, which means no position is selected. You can select a position from the drop-down list. The value options include 1, 2, 3, and 4.
- Auxiliary camera IP: Select a value from the drop-down list. Devices must be added to Equipment in advance. For details, please refer to <u>6.1.1 Adding an device</u>.

KNote: A device cannot be set to the main camera and auxiliary camera concurrently. The two values are mutually exclusive.

- Auxiliary camera: Position that the auxiliary camera is displayed on the monitoring interface. After an IP address is set for the auxiliary camera, the default position of the auxiliary camera is 0, which means no position is selected. You can select a position from the drop-down list. The value options include 1, 2, 3, and 4.
- Enables manual release: If this item is selected, the boom barrier can be manually raised to allow cars to pass.
- **Temporary card quickly out:** If a provisional car does not involve parking expenses, the charging confirmation interface is not displayed and the boom barrier is raised to allow the car to pass.
- Temporary car charges allow replacement models: The car type can be changed for a provisional car on the provisional car charging interface. Different charging rules are applied for different car types and therefore the charging result changes accordingly.
- Allows temporary car free: If this item is selected, the Free button is available on the provisional car charging interface to exempt the parking expenses of provisional cars.
- Single channel mode: If this item is selected, a channel is physically used as both the entrance and the exit. However, it is recommended that different logical channels be bound to different cameras.
- Wide-mouth mode: Application mode of the parking lot, which refers to a T-shape or Y-shape crossing. When a crossing is excessively large, a single camera is incompetent to effectively identify cars from different directions. In this case, two cameras are required to identify cars and upload data to the software. It is recommended that the identification areas of the two cameras do not overlap in wide-mouth mode. Select this item to enable the wide-mouth mode.
- Entrance check license plates: If this item is selected, a car can enter the parking lot after its license plate is checked.
- Exit check license plates: If this item is selected, a car can exit the parking lot after its license plate is checked.

### 6.3.1 Adding a workstation

#### The process for adding a workstation:

 Select a parking area: On the left of the booth setup interface, select a parking area as the workstation of the device. A parking area must be added to Parking Area in advance. For details, please refer to <u>6.2</u> <u>Parking Area Settings</u>;

Real-time Monitoring Equipment	nt		Pa	rking Area	Worksta	⊐ tion
+ New 😭 Save 🛅 Delete		Work	station name			*
		Ch	Entr	Auto	Automat	Equ
Area1						^
Selected node to add a r	egi	onal				

2) Device added to: Click + New to enter Device added to interface, input device name, and then click

Save

	Device added to		$\otimes$
Name		*	
	Save		

3) Adding a workstation: On the left of the interface, select an area and enter the workstation name and IP

address. Then click Added channel and set relevant information. Select items as required in Basic

Settings.

**Note:** If the computer at the workstation has multiple IP addresses, set its first IP address as the workstation IP address.

	ZKT and System	n Personnel	Authorization	Financial	Terminal	Reports	\$ () (	$\supset \square \otimes$		
	Real-time Monitoring Equipme	nt Parking Ar	ea Worksta		Region Linkage		Logged in user	:admin		
	🕂 New 🗎 Save 🗎 Delete	Workstation name	Workstation 1	* Works	tation IP 192 . 168 .	1.2 *	Added channel			
	⊡- <b>R</b> , <sup>Yard</sup>	Ch Entr Auto.		Equ Camer	r Auxili.		Round Round			
	Area1	Entra Largest	X	Camera 2 192.10	2 192.168.3	1.68 3	00:08:00 00:24:00	Collecte		
		<						>		
		Basic Settings								
		Enables manual release	se		Single channel mode					
		✓ Temporary card quick	dy out		☑ Wide-mouth mode					
		✓ Temporary car charge	es allow replacement i	models	C Entrance check license plates					
		Allows temporary car	free		🖌 Exit check license p	lates				
4)	Click saved to save	e the settings or c	lick 🛇 Can	cel to car	ncel the ope	ration.				
	P		Informa	ation			$\otimes$			
		Information w	vas saved s	uccessful	by .					

Real-time Monitoring Equipme	nt		Pa	rking Area	Works	L
+ New 🖹 Save 💼 Delete		Work	station name		Workstation 1	*
⊡… <b>₽</b> Yard		Ch	Entr	Auto	Automat	Equ
🕂 🖉 Area1	×	Entra	Largest	<ul> <li>Image: A start of the start of</li></ul>	<b>&gt;</b>	Camera
U1						

### 6.3.2 Editing/Deleting a workstation

The method of Editing/Deleting a workstation is similar to the method of Editing/Deleting an employee. For details, please refer to <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

# 6.4 Region Linkage Settings

Region linkage setting involves setting the impact of car entry and exit on the number of parking spaces of the parking area. Click [Terminal]  $\rightarrow$  [Region Linkage] to access Region Linkage settings interface:

ZKTECO (	ŝ	Systen	n Per	sonnel	Authorization	Financial	Terminal	Reports	‡? ? ⊖ ⊟ ⊗
Real-time Monitori	n	Equipment	t	Parking		n	Region Linkage		Logged in user:admin
	+	Name Area 1 Area 2	Parkin 30 50	Remark	-		Channel Name	Guide Type Delete	
					Select				
					Save				

#### 1) The process for adding a region linkage:

- (1) Select a parking area: On the left of the interface, select an area. A parking area must be added to Parking Area in advance. For details, please refer to <u>6.2 Parking Area Settings</u>;
- (2) Select a channel: Then, click Select, select the required channel from the displayed channel list, and

then click Sure Channels must be added to Workstation in advance. For details, please refer to <u>6.3.1</u> Adding a workstation.

		Channel Lis	t (	$\otimes$
		Name	Car Type	
•	$\checkmark$	Entrance Channel	Largest car entrance	
		Entrance Channel	Small car entrance	
			Sure	

(3) Set the guide type: The selected channel will be displayed on the right of the interface. Click Guide Type and select an impact type from the drop-down list. The value options include Added and Reduction.

		Char	nnel Name	Guide T	ype	Delete		
	t		nce Channel	Added	-	Ĩ		
				Added	I			
				Reductio	on			
(4) Click Save	to save t	he setting:						
		P	Informa	ation		$\otimes$		
	_		Success					
Name Pa	arkin	Remark			Ch	annel Name	Guide Type	Delete
Area 1	30				▶ En	trance Channel	Reduction 🔻	Î
Area 2	50							
			Select					
			Jelect					
			Saved					
			Saved					

Note: Multiple region linkages can be added for a parking area.

2) Editing a region linkage: Select a region linkage to be edited, modify the guide type set in step(3)

of "The process for adding a region linkage:", then click Saved

3) Deleting a region linkage: Select a region linkage to be deleted and click

## 6.5 Real-time Monitoring

There are totally four monitoring screens. You can view the entry/exit messages of all cars as well as system messages of the parking lot.

	System	Personnel	Authorization	Financial	Terminal	Reports	\$ ? ⊖ □ ⊗
C 1 Real-time Monitorin	9 Equipment	4		tation I	Region Linkage		Logged in user:admin
z						Parking Statistics on work rge amount	Traffic Flow 2017-07-07 11:31:35 0.00
Z	KTeco						
Latest Record Syste	m Message Entrance Time	e Entranc	Exit Time Ex	it Fees 0	Wyners	Manual release Records Shift	Black and white lists Charges

- Common:
  - > Get on work: Time when the operator logs in to the software for the first time.
- > Charge amount: Total parking expenses of the parking lot after the current operator gets to work.
- Parking Statistics: Parking space data.
- Traffic Flow: Click Yesterday Today to view the traffic flow of different dates.
- Latest Record: Latest car entry/exit message of the parking lot.
- System Message: System messages.
- Manual release: You can set manual release for cars. Specifically, click
   Manual release
   In the

displayed dialog box, enter the license plate number and channel name, select the entrance channel,

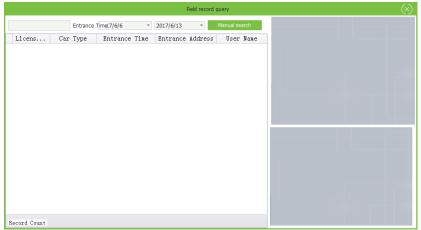
	Manual release	$\otimes$
License number		
Entrance	Entrance Channel *	
Channel name	<b></b>	_
Comments		
	Sure	

• Black and white lists: In addition to System, you can set black and white lists here. Click

Black and white list settings										
Li	cense	Туре	Start	End	+ New 🗎 Save 🗎 D	elete				
	an6745	White list	2017-05-1	2019-05						
	#e5246	Black list	0001-01-0	0001-01						
					License number	สท6745	*			
					Туре	Whitelist	*			
					Start	2017/5/16				
					Start	2017/5/10				
					End	2019/5/23 -				

• **Records:** Query entry/exit records of the parking lot. Specifically, click Records. In the displayed

dialog box, enter a license plate number and set the query period. Then click Manual search About how to choose a date, please refer to Appendix 1 Date Setting.



• Charges: Query personal charging records. The query method is the same as that of query records.



or click Cancel	to cancel the operation.	
		Operator shift

User name	admin			
Advance amount	0.00	Receive amount	0.00	
Charge amount	0.00	Free out times	0	
SumCharge amount	0.00	Number of manual gates	0	
			Sure	Cancel

# 7. Authorization Management

Authorization management includes Fixed Authorization, Provisional Authorization and Fixed Extension.

## 7.1 Fixed Authorization

Click [Authorization]  $\rightarrow$  [Fixed Authorization] to access Fixed Authorization interface, on which you can add, search for, edit, and delete authorization information.

<b>乙KT====</b> 命	System	Personnel	Authorization	Financial	Terminal	Reports	‡ ? ⊖ ⊂ ⊗
Fixed Authorization	Provisional Au	uthorization Fixe	d Extension				Logged in user:admin
Name	Car NO	Fixed car inf					
Nume.	our no		Through area	Enter text to search	•	•	
			Owners Car type	<b>•</b>			
			Period	2017/6/13 •	2017/6/13	Ŧ	
			Deposit	0.00			
			CarNOList		Car NO		
			name		Car NO	+	

- Through area: Set the areas that the license plate number is allowed to pass through. Specifically, click
   , select areas from the drop down list, and then click Sure. Workstations must be set in Terminal in advance. For details, please refer to 6.3.1 Adding a workstation.
- Owners: Name of the car owner, which is not editable.
- Car type: Type of the car. Only car types that are enabled in **Basic Settings** of **System** are displayed here. For details, please refer to "Set the enabled car model or a custom name" in <u>5.1 System Settings</u>.
- Period: Validity period during which the license plate number is authorized as a fixed car. The start date must be earlier than the end date. About how to choose a date, please refer to <u>Appendix 1 Date</u> <u>Setting</u>.
- **Deposit:** Deposit to be paid for the car that is authorized as a fixed car.
- CarNOList:
  - > Add: Click +, in the license plate number list (with the license plate numbers of all personnel in

the system), select a license plate number and click Added to add the license plate number to CarNOList.

	Licer	ise plate lists
	name	Car NO
	Amy.Li	жи5612
$\checkmark$	David.Lou	ทุก6486
	David.Lou	an 4685
		Added

name	Car NO
David.Lou	ทต6486

**Note:** Only one license plate number is included in **CarNOList**. To replace it, repeat the preceding steps.

> Delete: Select the license plate number in CarNOList and click to delete it.

#### 7.1.1 Adding a fixed car

On the Fixed Authorization interface, click + New to access the fixed car authorization interface and set

relevant information. Then click Esave to save the settings or click Cancel to cancel the operation.

#### 7.1.2 Finding a fixed car

On the Fixed Authorization interface, input the owner name or license plate number in the search box

Q Filtering by name or license pk, and then press [Enter] on the keyboard. Information about the fixed car

is displayed on the right of the interface.

### 7.1.3 Editing/Deleting a fixed car

#### 1) Edit:

On the left of the Fixed Authorization interface, click a fixed car or search for a fixed car and select it. Only the areas that the car is allowed to pass through can be edited and other information cannot be edited.

#### 2) Delete:

On the left of the Fixed Authorization interface, click a fixed car or search for a fixed car and select it. Then

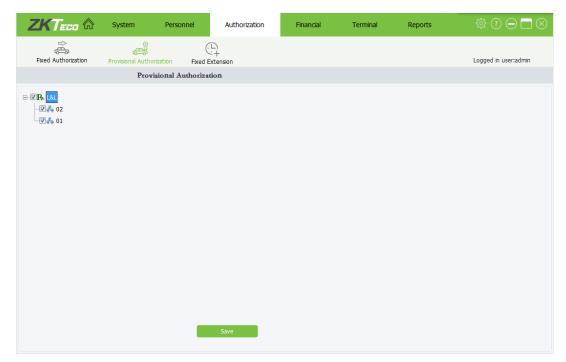
click Delete, the following prompt will pop up: click Yes to delete information, or click No to cancel the operation.

Р	Question	$\otimes$	
?	Sure need to delete info	rmation ?	
	Yes	No	

## 7.2 Provisional Authorization

Click [Authorization]  $\rightarrow$  [Provisional Authorization] to enter Provisional Authorization interface, select the areas that the car is authorized to pass through and then click Save. Workstations must be added in **Terminal** in advance. For details, please refer to <u>6.3.1 Adding a workstation</u>.

KNote: If no area is selected, provisional cars are not allowed to enter the parking lot.



## 7.3 Fixed Extension

Click [Authorization]→[Fixed Extension] to enter Fixed Extension interface:

ZKT	System	Personnel	Authorization	Financial	Terminal	Reports	\$\$ ⑦ ⊖ □ ⊗
Fixed Autho		rization Fixed Ext	) H ension				Logged in user:admin
	License number		• Q				
	Owners						
	Car type		Ŧ				
	Period	2016/5/30	2016/5/30	Ŧ			
	Validity of the new	2016/5/30	* 2016/5/30	•			
	Amounts	0					
						Save	

- License number: Enter a license plate number or click select a fixed car whose authorization period is to be extended.
- Owners/Car type: After a fixed car is selected, the owner name and car type are automatically displayed and cannot be edited.
- **Period:** Validity period during which the car is authorized as a fixed car. The specified validity period cannot be edited.
- Validity of the new: New validity period. The start date must be earlier than the end date. About how to choose a date, please refer to <u>Appendix 1 Date Setting</u>.
- Amounts: Amount of money to be paid for the extension.

Set the information as required and click **Save** to save the settings.



# 8. Financial

Financial includes Provisional Rules, Fixed Rules, Extra Rules, Discount Policy, Discount Store, Shift and Financial Confirmed.

## 8.1 Provisional Rules

On the Provisional Rules interface, you can set the charging rules for provisional cars. Only one charging rule can be created for a type of provisional cars in the same parking lot. Click [Financial]→[Provisional Rules]:

Z	KTeeo 🏠	System	Personnel	Authoriza	tion Final	ncial T	erminal Reports		\$\$ ? ⊖ □ ⊗
	Provisional Rules	Fixed Rules		Extra Rules	% Discount Policy	تے Discount			Financial Confirmed
?	Parking Lot	Yard	• •	Car type	ProvisionalA	• •			
	The maximum am	ount of the day		0 \$ *		Free time	0	Minutes	
	Charging time	includes free minutes	5	MRT		1 clock	0	\$	
	<ul><li>Whether split</li><li>Enable the sa</li></ul>			✓ Multiple	e access has the high	est charge	C	) \$	
	Add period 👻	0							
						Save			

- Parking Lot: Parking lot to which the charging rule is applied.
- Car type: provisional car type to which the charging rule is applied. Only car types enabled on the interface displayed after you choose [System]→[System]→[Basic Settings] are displayed here. For details, please refer to "Set the enabled car model or a custom name" in <u>5.1 System Settings</u>.
- The maximum amount of the day: Upper limit of the charged amount per day. For example, if the charged amount is \$ 10 per hour, totally \$ 240 is charged for a whole day. However, if the maximum charged amount is set to 100 \$, only \$ 100 is charged.
- Free time(Minutes): A car is not charged if its parking duration does not exceed the specified value.
- Charging time includes free minutes: Assume that the free parking duration is 30 minutes and the actual parking duration is 31 minutes. If this item is selected, the car is charged based on the actual parking duration 31 minutes. If this item is not selected, the car is charged based on the excess parking duration, which is 1 minute.
- MRT: Set the time point for the overtime charge and the amount of the penalty. For example, set the time point of the time-out fee as 12:00, and the penalty amount as \$ 50; there will be three kinds of charges:
  - ➤ When the vehicle enters the parking lot before 12 o'clock on the same day and leaves the parking lot before 12 o'clock on the same day, only the parking fee will be charged without additional penalty of \$ 50.

- ➤ When the vehicle enters the parking lot before 12 o'clock on the same day, but leaves the parking lot after 12 o'clock on that day, an additional overtime penalty of \$ 50 is required in addition to the parking fee.
- When the vehicle enters the parking lot after 12 o'clock on the day and leaves the yard before 12 o'clock on the second day, only the parking fee will be charged without additional penalty of 50.
- Whether split time period: Assume that the charged amount is set to \$ 1 per 15 minutes from 9:00 to 10:00 in period 1 and to \$ 10 per 15 minutes from 10:00 to 11:00 in period 2, and the parking duration is from 9:43 to 10:30. If this item is not selected, \$ 1 is charged from 9:43 to 9:58. The charging cycle from 9:58 to 10:00 is shorter than 15 minutes and therefore the duration from 10:00 to 10:13 is added to this charging cycle. The duration from 10:13 to 10:28 is charged based on period 2. If this item is selected, \$ 1 is charged for the duration from 9:43 to 9:58 to 10:00 though it is less than 15 minutes. The duration from 10:00 to 10:15 is charged based on period 2.
- Enable the same license plate(Natural or 24 hours)Multiple access has the highest charge: If the accumulated expenses of a car entering and exiting the parking lot for multiple times exceeds the specified value, no more expenses are charged within the specified period. The period can be set to Natural or 24 hours, in which Natural refers to the period from 0:00 to 24:00 and 24 hours refers to the duration from the entry time point to the same time point on the second day.
- 1) Add period:

x

When setting charging rules for different periods, ensure that the sum of all periods is 24 hours and that the

periods are continuous. You can click 🧐 to add multiple periods.

- Pay-per: If this item is selected, the maximum charged amount prevails. That is, the amount specified by Maximum is charged. If this item is not selected, the parking expense is charged based on the unit price and the unit duration is a multiple of 15. If the parking expense exceeds the value specified by Maximum, the value specified by Maximum prevails.
- 2) Add cycles:

Enable the	split time period e same license plat	te	Ţ	Multiple acce	ss has the highest charge	1
Add cycles Cycle1 Cy	vcle2					×
	ycle Iaximum	30	Minutes \$		Pay-per	
Pi	rice	5	\$ / 30	Minutes		

When setting charging rules for different cycles, ensure that the sum of all cycles since the entry time is

1440 minutes (24 hours). You can click 🧕 to add multiple cycles.

KNote: If cycle-based charging is enabled, the split time period function becomes invalid.

Set the parameters based on the actual situation and then click Save. To modify any parameter, directly modify it and save the modification.

### 8.2 Fixed Rules

Click [Financial]→[Fixed Rules] to access Fixed Rules interface, on which you can add, edit, and delete fixed rules.

ZKTECO 🏠 System	n Personnel	Authorization	Financial	Terminal	Reports	‡ ? ⊖ ⊟ ⊗
Provisional Rules	les Extra R	Rules Discount		iscount Store	Shift	Financial Confirmed
Name Ca Type t	ime Amount + Ne	w 🗎 Save 🗊 Delete				
		Name Car type		*		
		Type	by monthly	· •		
		Period		1 *		
		Amounts		1		

- Name: Name of the fixed car charging rule.
- Car type: Fixed car type to which the charging rule is applied.
- Type: Charging cycle type, which can be set to by monthly or by day.
- Period: Charging period. The unit depends on the charging cycle type. For example, if **Type** is set to **monthly basis** and **Period** is set to **1**, the charging period of this fixed car type is 1 month.

• Amounts: Charged amount of the fixed car type during the charging period.

#### 8.2.1 Adding/Editing/Deleting fixed rules

The method of Adding/Editing/Deleting fixed rules is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

## 8.3 Extra Rules

Only one timeout charging rule can be created for a type of provisional cars in the same parking lot. Click [Financial]→[Extra Rules]:

<b>ZKT</b> cco ගි	System	Personnel	Authorization	Financial	Termina	l Reports	‡ ? ⊖ ⊟ ⊗
Provisional Rules	Fixed Rules	Extra Rules	Discount	/	□% Discount Store	Shift	Financial Confirmed
Time-out fee settin	g Parking Lot	•					
	-						
ProvisionalA	Allowable retention time	30 Mir	nutes 0 g	\$ / 30	Minutes	Include retention time	
ProvisionalB	Allowable retention time	30 Mir	nutes 0	\$ / 30	Minutes	Include retention time	
ProvisionalC	Allowable retention time	30 Mir	nutes 0	\$ / 30	Minutes	Include retention time	
ProvisionalD	Allowable retention time	30 Mir	nutes 0	\$ / 30	Minutes	Include retention time	
							Save

- Time-out fee setting: Charging rule applied when the allowed residence time is exceeded.
- Parking Lot: Parking lot to which the timeout charging rule is applied.
- Allowable retention time: Duration that a provisional car is allowed to remain in the parking lot temporarily after payment. If the specified time is exceeded, the car is charged again and the charged amount can be customized.
- Include retention time: Assume that the allowed residence time is 30 minutes and a car parks in the parking lot for 31 minutes after payment. If this item is selected, the excess parking duration is 31 minutes. If this item is not selected, the excess parking duration is 1 minute.

Set the parameters based on the actual situation and then click Save. To modify any parameter, directly modify it and save the modification.

## 8.4 Discount Policy

Click [Financial]→[Discount Policy] to access Discount Policy interface:

<b>ZKT</b> === 🏠	System	Personnel	Authorization	Financial	Terminal	Reports	‡ ? ⊖ ⊂ ⊗
Provisional Rules	Fixed Rules	Extra Ru		%	E%	Shift	Financial Confirmed
Name Type	Po Hours Pe	er + New	Save 🗑 Delete				
		Ni	ame		•		
		iπ	ype of policy	Ŧ	•		
		V	alue 1		*		

- Name: Name of the discount policy.
- Type of policy: There are four types: a. Free Charge (not charged); b. Policy Amount (deducted by a fixed amount); c. Hours (parking duration minus a fixed number of hours); d. Policy Percent (deducted by a fixed percentage of the amount).
- Value: Preferential amount. When Type of policy is set to Free Charge, this item is invalid. When Type of policy is set to other values, the corresponding unit prevails.

#### 8.4.1 Adding/Editing/Deleting a discount policy

The method of Adding/Editing/Deleting a discount policy is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>.

### 8.5 Discount Store

In **Discount Store**, you can specify certain places for enjoying discount policies, that is, units and shops. For example, a user can use the receipt to reimburse the parking expense after shopping in the specified supermarket. Click [Financial]→[Discount Store] to access Discount Store interface:

ZKT ==== 🟠 System	Personnel Authoriza	ation Financial	Terminal	Reports	‡ ? ⊃ ⊐ ⊗
Provisional Rules Fixed Rules	Extra Rules	% Discount Policy	E% Discount Store	Shift	Financial Confirmed
Name Con Phone Address	+ New 🗎 Save 🗰 I	Delete			
	Shop Name		*		
	Discount Policy				
	Contact				
	Address				
	Phone Number				

- Shop Name: Name of the shop.
- Discount Policy: Select a discount policy specified in <u>8.4 Discount Policy</u>.

- Contact: Contact of the shop.
- Address: Contact address of the shop.
- Phone Number: Phone number of the shop.

#### 8.5.1 Adding/Editing/Deleting a discount store

The method of Adding/Editing/Deleting a discount store is similar to the method of

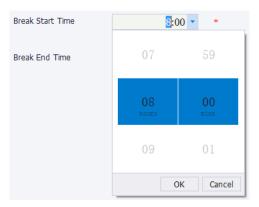
Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>.

### 8.6 Shift

Click [Financial]→[Shift] to access Shift interface:

ZKTeco	System	Personnel Author	ization Financial	Terminal	Reports	‡ () ⊖ □ ⊗
Provisional Rules		Extra Rules	% Discount Policy	E%	Shift	Financial Confirmed
Name Par	Start End	+ New 🗎 Save 🗎	Delete			
		Name		•		
		Parking Lot	Yard	<b>*</b>		
		Start Time	08:00	*		
		End Time	20:00	• •		

- Name: Shift name.
- Parking Lot: Parking lot of the shift.
- Start/End Time: Start time and end time of the shift. You can directly enter the time or click ▼ and select the time.



**Note:** The periods of different shifts cannot overlap; otherwise, a message indicating shift time conflict is displayed.

Start Time	8:00 - 0 *
	Shift time conflicting

### 8.6.1 Adding/Editing/Deleting shift

The method of Adding/Editing/Deleting shift is similar to the method of Adding/Editing/Deleting an employee. For details, please refer to <u>4.2.1 Adding an employee</u>, <u>4.2.2 Editing an employee</u>, <u>4.2.3 Deleting an employee</u>.

## 8.7 Financial Confirmed

Click [Financial]→[Financial Confirmed] to access Financial Confirmed interface:

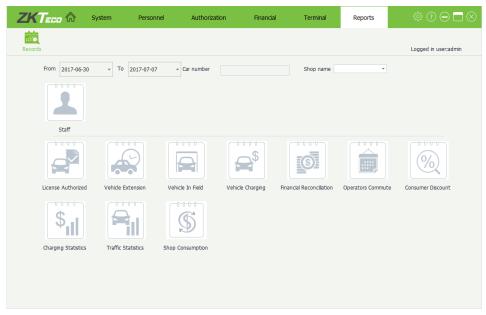
	ZKTeco	ி sy	rstem	Personnel	Auth	orization	Financial	Те	rminal Repo	rts 🔅 🕐	$\ominus \square \otimes$
	Provisional Rules	Fixe	∬ d Rules	1	Extra Rules		%) ht Policy	Discount S	· · · · · ·	Financial	Confirmed
	Name 🍸 Adv	anc 📍 1	Busine	Total	Actual	Free out	Open	Workstat:	ion Confirm	. Operate time	Confirm
Þ	1	10	20	30	30	1	5	192.168.28	I.83 O	0001/1/1	$\overline{\mathbf{S}}$

- Name: Name of the operator.
- Advance amount: Amount of money placed at the booth in advance (for change).
- Business amount: Charged amount.
- Total amount: Prepaid amount + business volume.
- Actual amount: Amount input by the operator when changing the shift.
- Open by hand: Number of times that the boom barrier is raised manually.
- Free out: Number of manual release times
- Workstation: Workstation IP address.
- Confirm amount: Amount confirmed by the financial staff.
- Operate time: Confirmation time.

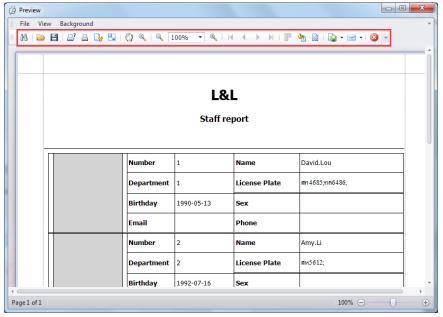
If all information is correct, click is below the **Confirm** column.

# 9. Reports

With the reports function, you can perform statistical analysis for data of the parking lot to implement overall control of the parking lot information. Report types includes **Staff**, **License Authorized**, **Vehicle Extension**, **Vehicle In Field**, **Vehicle Charging**, **Financial Reconciliation**, **Operators Commute**, **Consumer Discount**, **Charging Statistics**, **Traffic Statistics and Shop Consumption**.



- 1) Set the report period., about how to choose a date, please refer to Appendix 1 Date Setting.
- 2) Enter license plate numbers as required. If no license plate number is entered, the report contains all license plate numbers in the system.
- 3) Click the corresponding icon to obtain reports as required, such as the staff report. The preview interface is displayed. The operation method is the same for other types of reports.



 Perform various operations such as saving and printing by clicking corresponding icons on the toolbar of the preview window.

# Appendix

## Appendix 1 Date Setting

The following is an example of setting the birthday of an added employee. Click  $\checkmark$  next to **Birthday**. The date panel is displayed, as shown in the figure below.

+ Ne				Impor	t	Expor	t					
Basic	Settings License	e Num	nber									
Ba	sic Information											
											(200*200)	
	Emp Number					*						
	First Name					*						Î
	Last Name											ш
	Emp Department	Dep	artme	nt		• *					No image data	
	Emp Gender					* *						
	Password											
	ECP Phone							En	nail			
Г	Birthday	2017	-01-0	5		•						
15				Fri	day, J	une 09	9, 2017	7			1	
		4			Janu	ary, 20	017			۲		
			Sun	Mon	Tue	Wed	Thu	Fri	Sat			
			25	26	27	28	29	30	31			
			1	2	3	4	5	6	7			
			8 15	9 16	10 17	11 18	12 19	13 20	14 21			
			22	23	24	25	26	20	21			
			29	30	31	1	2	3	4			

ONOTE: The current date is selected by default.

Click  $\triangleleft/\triangleright$  to select the month, or double-click the month column and select the month.

4	]	Fri		lune 09 lary, 2	9, 2017 017	7	· ·	Friday, June 09, 2017			
_	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Jan	Feb	Mar	Apr
	25	26	27	28	29	30	31				
	1	2	3	4	5	6	7				
	8	9	10	11	12	13	14	May	Jun	Jul	Aug
	15	16	17	18	19	20	21				
	22	23	24	25	26	27	28	Sep	Oct	Nov	Dec
	29	30	31	1	2	3	4				

Click  $\triangleleft/\triangleright$  to select the year, or double-click the year column and select the year.

4	Friday, June 09, 2017											
2009	2010	2011	2012									
2013	2014	2015	2016									
2017	2018	2019	2020									

Click  $\triangleleft/\triangleright$  to select the year range, or double-click the year range column and select the year range.

4	Friday, June 2000-	•	
1990-	2000-	2010-	2020-
1999	2009	2019	2029
2030-	2040-	2050-	2060-
2039	2049	2059	2069
2070-	2080-	2090-	2100-
2079	2089	2099	2109

ONOTE: Click the date on the top to return to the current date.

4

Friday, June 09, 2017 2000-2099				
1990-	2000-	2010-	2020-	
1999	2009	2019	2029	
2030-	2040-	2050-	2060-	
2039	2049	2059	2069	
2070-	2080-	2090-	2100-	
2079	2089	2099	2109	

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