

User manual

«Parking RFID ver. 2.0»



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1. System requirements

Software requirements:

- ⤴ Operational system Windows XP, Windows 7, Windows 8, Windows 8.1
- ⤴ Microsoft .Net Framework 3.5 and Microsoft .Net Framework 4
- ⤴ SQL 2008 Express or more.

Equipment requirements:

- ⤴ 32-bit systems: a computer with an Intel processor or with a processor that is compatible with a clock frequency of 1 GHz or more (recommended 2 GHz or more).
- ⤴ 64-bit systems: a processor with a clock frequency of 1,4 GHz or more (recommended 2 GHz or even faster).
- ⤴ At least 256 MB of RAM (recommended 1 GB or more).
- ⤴ 1 GB of free disk space.

2. Installation

The distribution package includes 2 **setup-2.exe** file and **Parking.msi**. When you run **setup-2.exe**, the verification of installed libraries and programs will be initialized, those that are needed for “**Parking**” functioning. In that case, if any program is missing, the installer prompts you to download it from the Internet. After that the software will be installed, including “**Parking** .” If you run **Parking.msi**, then only “**Parking**” will be installed.

3. Desktop view

After the software installation, the shortcut «**Parking**» will be created on the desktop. The program launch is performed with the help of this shortcut. After starting the system, the user will be prompted to log in. By default, the system automatically creates a user named «Administrator», the password is not specified.



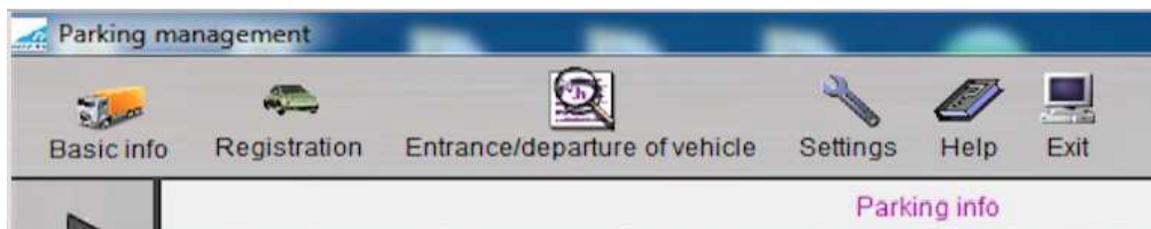
After system log in, the administrator's password can be created.

At initial start-up it appears to set the parameters to database connection. Please refer to the section «[Database connection setting](#)».



The desktop contains the following:

Main menu



That consists of the following points

- ⤴ Basic information
- ⤴ Registration
- ⤴ Vehicle at Entry/Exit points.
- ⤴ Settings
- ⤴ Help
- ⤴ Exit

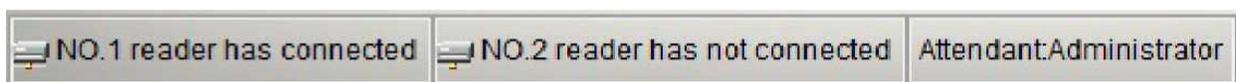
A command bar, that is located on the left side.

In this bar there are buttons that allow:

- ⤴ Abort/start a reading process. Set access time (open / close access)
- ⤴ Switch on/switch off a signal tone
- ⤴ Call a program window of a manual control of vehicles at entry/exit points using only a vehicle ID
- ⤴ Change a user system



An information dashboard that is located at the bottom of the screen



On this dashboard you can see the information about the current system user and the information about the connected readers.

The tables that contain the information about parked vehicles.

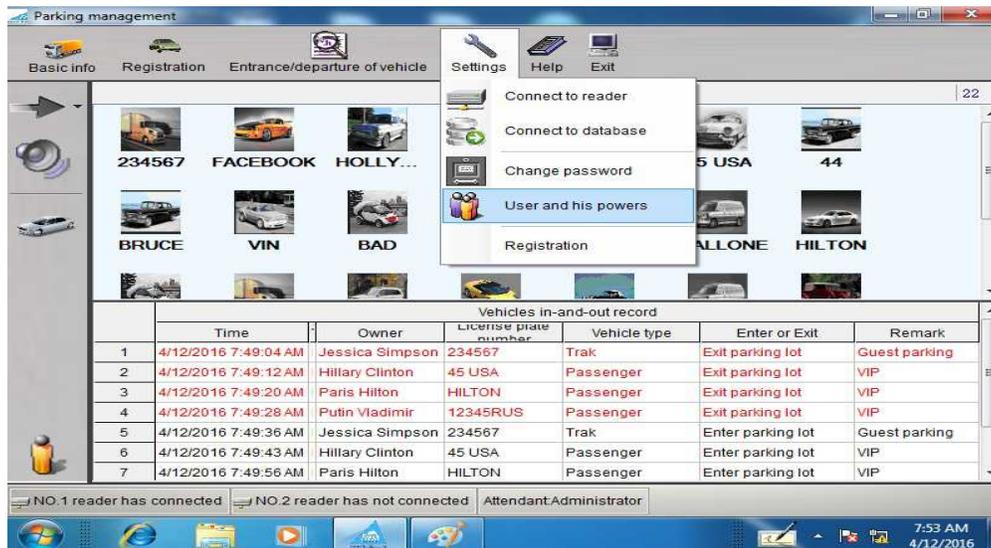


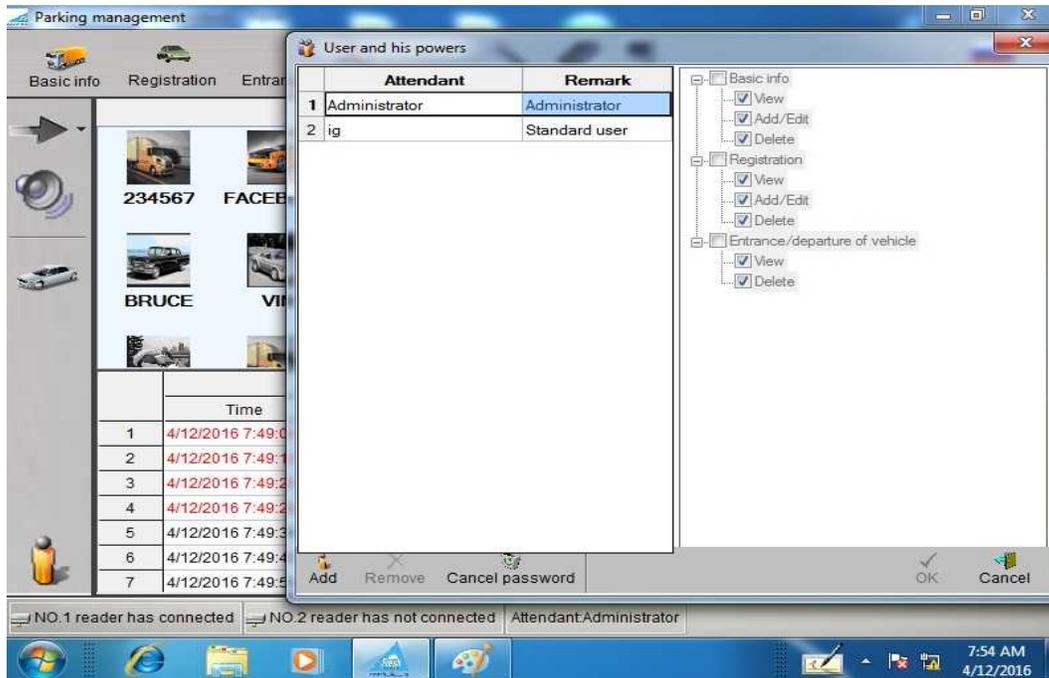
The table that contain the information about vehicles at entry/exit points.

Vehicles in-and-out record						
	Time	Owner	License plate number	Vehicle type	Enter or Exit	Remark
1	4/12/2016 7:49:04 AM	Jessica Simpson	234567	Trak	Exit parking lot	Guest parking
2	4/12/2016 7:49:12 AM	Hillary Clinton	45 USA	Passenger	Exit parking lot	VIP
3	4/12/2016 7:49:20 AM	Paris Hilton	HILTON	Passenger	Exit parking lot	VIP
4	4/12/2016 7:49:28 AM	Putin Vladimir	12345RUS	Passenger	Exit parking lot	VIP
5	4/12/2016 7:49:36 AM	Jessica Simpson	234567	Trak	Enter parking lot	Guest parking
6	4/12/2016 7:49:43 AM	Hillary Clinton	45 USA	Passenger	Enter parking lot	VIP
7	4/12/2016 7:49:56 AM	Paris Hilton	HILTON	Passenger	Enter parking lot	VIP

4. Administration

4.1 Users





To add a new user, you must press the same name **"Add"** button, then on the right side from the users list a list of possible rights will be activated. The verifiable rights need to be ticked and clicked **"OK"**.

It's possible as well to remove a user from the list, you mark the needed person in the list and click **"Delete."** You can also reset the password for the user, by pressing **"Reset Password"** button.

In order to set a new password for the user or change the old one, you must log into the system using a user's profile. To select the menu item **"Settings" - "Change password"**. Then a following window will pop up:

In this form you fill in the current password and set a new one.



4.2 Equipment setting

The screenshot shows the 'Parking management' software interface. At the top, there are tabs for 'Basic info', 'Registration', 'Entrance/departure of vehicle', 'Settings', 'Help', and 'Exit'. The 'Settings' menu is open, showing options: 'Connect to reader', 'Connect to database', 'Change password', 'User and his powers', and 'Registration'. Below the menu, there is a grid of vehicle images with labels like '234567', 'FACEBOOK', 'HOLLY...', 'BRUCE', 'VIN', 'BAD', '5 USA', '44', 'ALLONE', and 'HILTON'. At the bottom, there is a table titled 'Vehicles in-and-out record' with the following data:

	Time	Owner	License plate number	Vehicle type	Enter or Exit	Remark
1	4/12/2016 7:49:04 AM	Jessica Simpson	234567	Trak	Exit parking lot	Guest parking
2	4/12/2016 7:49:12 AM	Hillary Clinton	45 USA	Passenger	Exit parking lot	VIP
3	4/12/2016 7:49:20 AM	Paris Hilton	HILTON	Passenger	Exit parking lot	VIP
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At the bottom of the interface, there are status indicators: 'NO.1 reader has connected', 'NO.2 reader has not connected', and 'Attendant:Administrator'. The system tray shows the time as 8:17 AM on 4/12/2016.

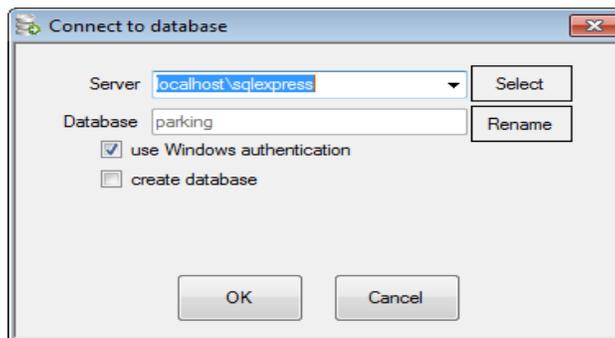
The 'Connect to reader' dialog box contains the following configuration fields:

- first reader**
 - TCP/IP
 - IP адрес: 192.168.1.191
 - Port: 6001
 - reading interval (seconds): 5
- second reader**
 - TCP/IP
 - IP адрес: 192.168.1.191
 - Port: 6001

Buttons include 'Connect', 'Disconnect', and 'Save to settings'.

In this form you can set the connection parameters to the readers and a time slot of a reading.

4.3 Database connection setting



In this form it is necessary to set the parameters for the database connection. In case if you use MS SQL Express (if you have a full installation of our software package, MS SQL Express will be installed), it is necessary to indicate as a server «. \ **Sql**express», tick "**use Windows authentication**» and if this is the first start of the system, tick "**create a database**". If you want to use your own copy of MS SQL then connection parameters can vary, please address to an IT specialist of your company.

5. Basic information



In this reference guide you have information about parking slots that exist in your parking.



In the reference guide “Vehicle type” there are vehicle types that are registered in your parking.

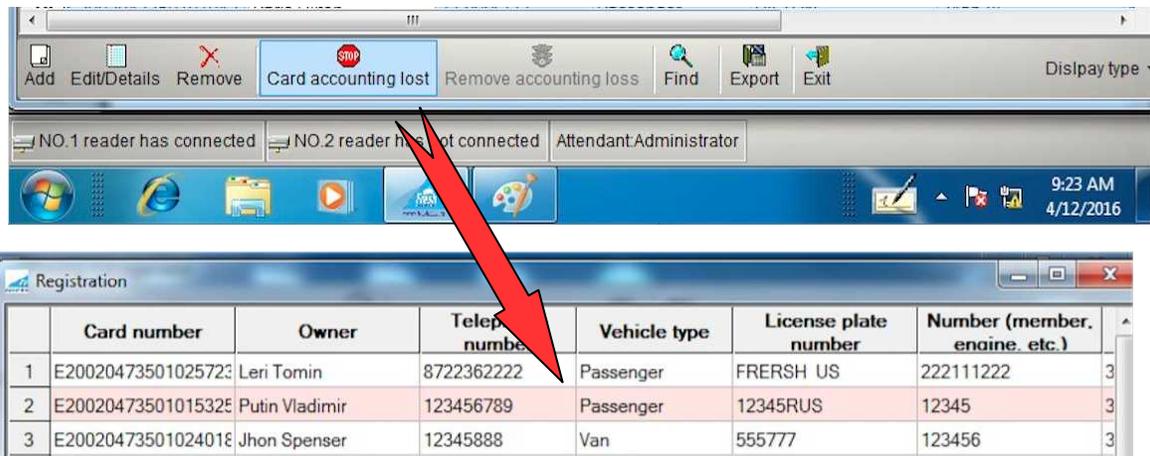
The lists from these two references are controlled with the help of the same-name commands that are located in the lower control dashboard.

6. Vehicle registration

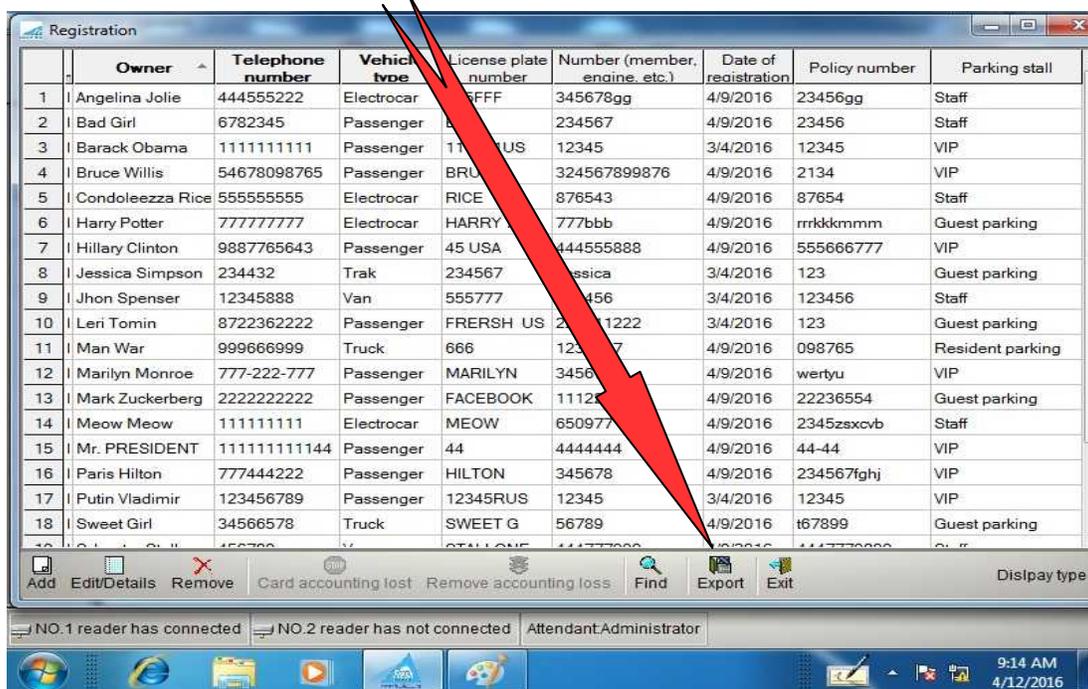
	Owner	Telephone number	Vehicle type	License plate number	Number (member, engine, etc.)	Date of registration	Policy number	Parking stall
1	Angelina Jolie	444555222	Electrocar	555FFF	345678gg	4/9/2016	23456gg	Staff
2	Bad Girl	6782345	Passenger	BAD	234567	4/9/2016	23456	Staff
3	Barack Obama	111111111	Passenger	111111US	12345	3/4/2016	12345	VIP
4	Bruce Willis	54678098765	Passenger	BRUCE	324567899876	4/9/2016	2134	VIP
5	Condoleezza Rice	555555555	Electrocar	RICE	876543	4/9/2016	87654	Staff
6	Harry Potter	777777777	Electrocar	HARRY 777	777bbb	4/9/2016	rrrkkmmm	Guest parking
7	Hillary Clinton	9887765643	Passenger	45 USA	444555888	4/9/2016	555666777	VIP
8	Jessica Simpson	234432	Trak	234567	Jessica	3/4/2016	123	Guest parking
9	Jhon Spenser	12345888	Van	555777	123456	3/4/2016	123456	Staff
10	Leri Tomin	872236222	Passenger	FRERSH US	222111222	3/4/2016	123	Guest parking
11	Man War	999666999	Truck	666	1234567	4/9/2016	098765	Resident parking
12	Marilyn Monroe	777-222-777	Passenger	MARILYN	3456789	4/9/2016	wertyu	VIP
13	Mark Zuckerberg	222222222	Passenger	FACEBOOK	111222333	4/9/2016	22236554	Guest parking
14	Meow Meow	111111111	Electrocar	MEOW	650977	4/9/2016	2345zxcv	Staff
15	Mr. PRESIDENT	11111111144	Passenger	44	4444444	4/9/2016	44-44	VIP
16	Paris Hilton	777444222	Passenger	HILTON	345678	4/9/2016	234567ghj	VIP
17	Putin Vladimir	123456789	Passenger	12345RUS	12345	3/4/2016	12345	VIP
18	Sweet Girl	34566578	Truck	SWEET G	56789	4/9/2016	t67899	Guest parking

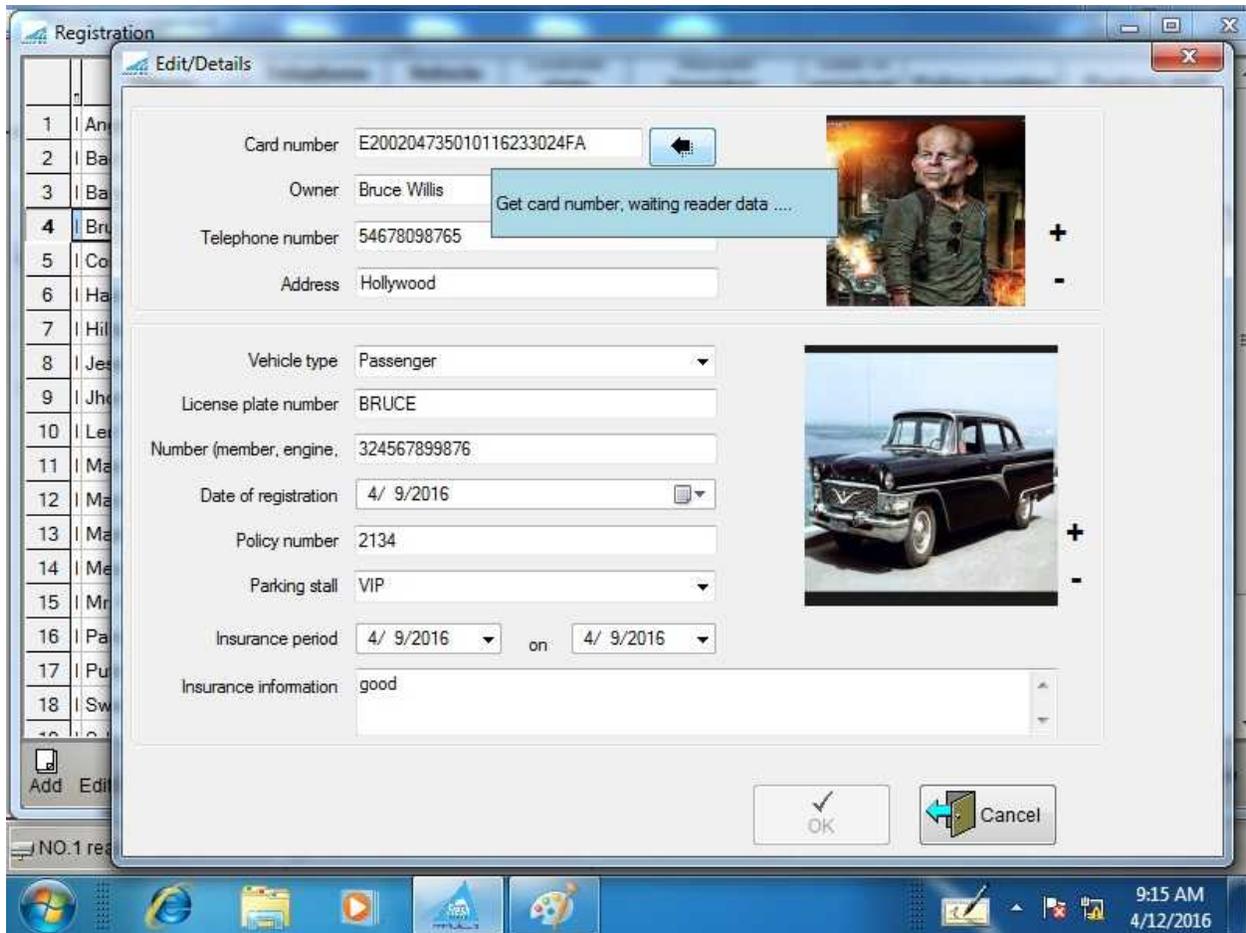
In this reference guide there is information about the registered vehicles in the parking lot with a reference to a parking slot. Beside the standard commands such as “Add”, “Edit”, “Delete” there are some specific ones:

- ✦ **«Do not use»** - It makes the selected entry inactive, the use of the card becomes impossible.
- ✦ **«Lost card»** - When you register an event, in the event table on the desktop you’ll have the following entry:



- ✦ **«Lost card»** - With the help of this command you can cancel the lost status of this card.
- ✦ **«Export»** - After pressing this button, upload of the registered vehicles will be initialized into Excel format.





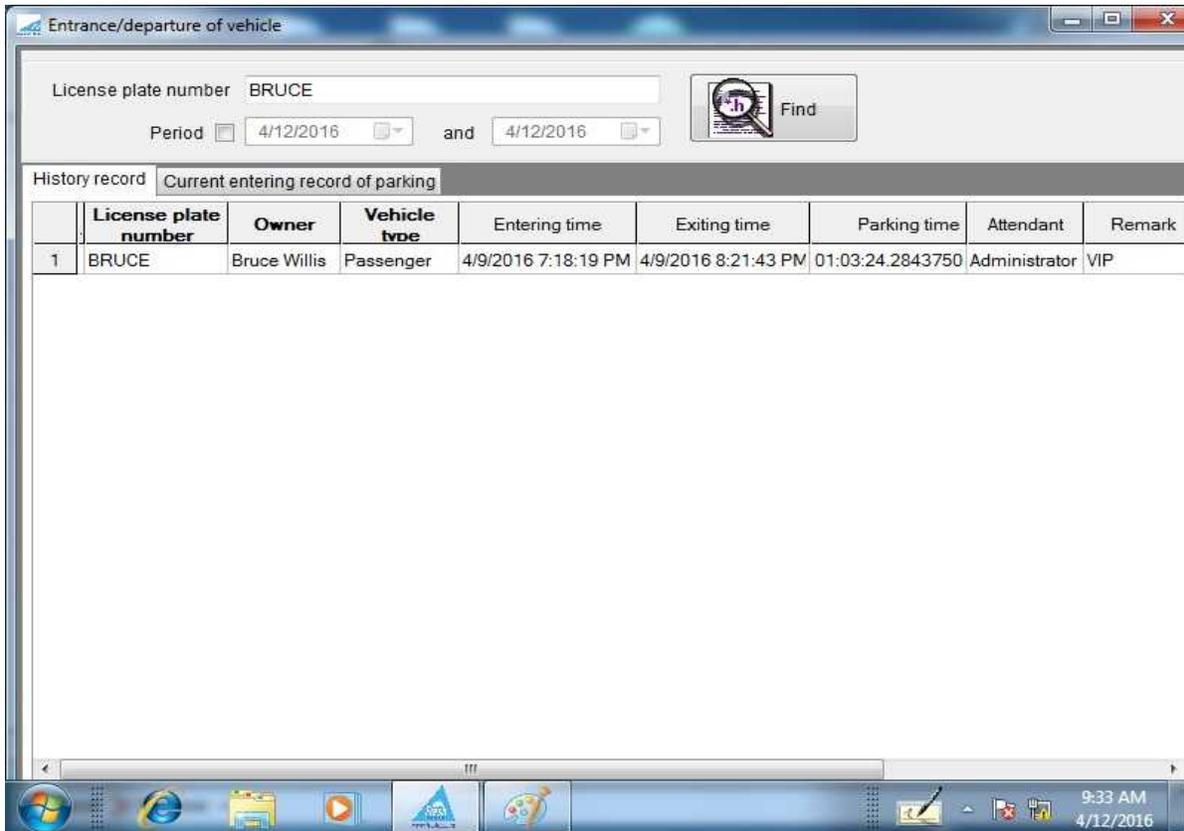
In the card of registration/editing of a vehicle data you fill in or edit a vehicle data, you can also download a photo of a vehicle owner and a vehicle itself into the system.



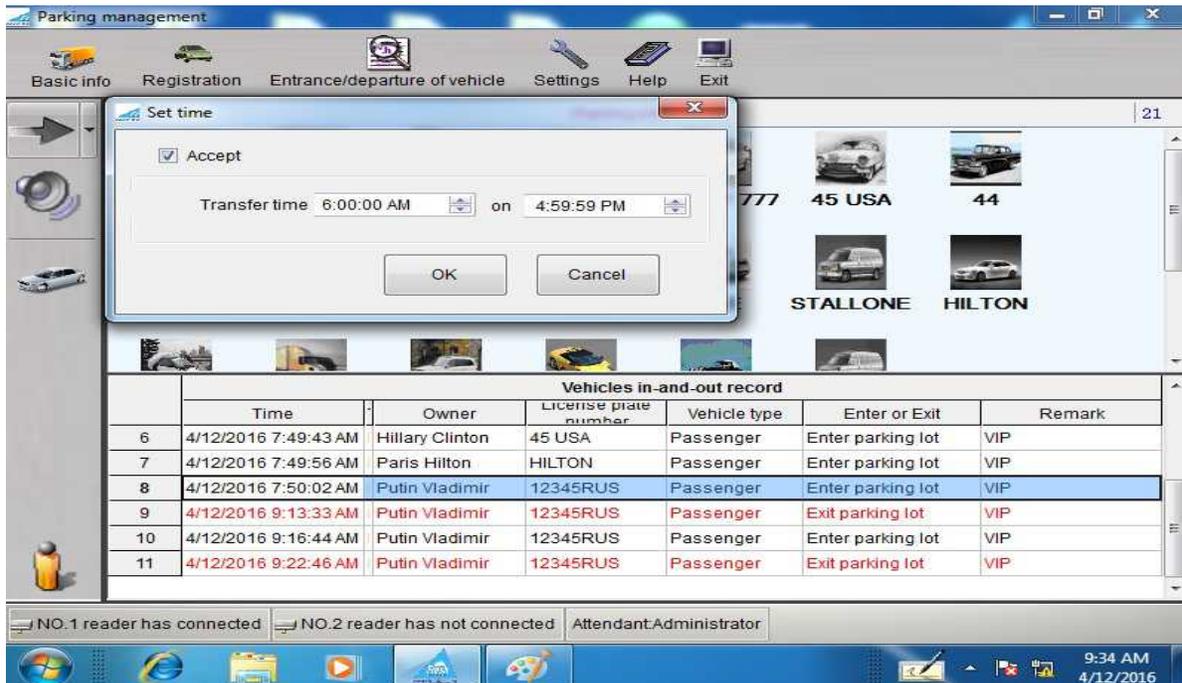
To bind a card number to a vehicle, you need to press the button.

And scan a needed card, after that in the field “Card number” you’ll get an obtained number.

7. Control of vehicles at entry/exit points



This report provides the data for the required period with the selection basing on a vehicle license plate or without any selection. You can also export the prepared report into Excel format.



8. Connecting different types.

