



ABC System

(Advanced Billiard Control System)

This is the updated version 2.0 of the system which controls different games and equipment. Flexible and intelligent, the system is used in the entertainment business. In hotels, game halls, casinos, clubs, amusement parks, etc., where it is necessary precise and strict control over different machines and equipment, such as, billiard tables, soccer tables, darts, hockey, tennis, fitness, saunas, electrical lockers, and different lights control. By using internet connection you can access and control the system from any place on the world, without disturbing the system itself.

1. Structure of the system:

ABC System uses WEB-based user interface for work with clients. This makes it platform-independent and easy to operate. The system is built on a module principle and it consists of few main components. The use of all components it is not necessary. This depends on the type of your configuration.



Application Server



PoE Switch



Card Reader



PoE Module



Wi-Fi Module



RF Card

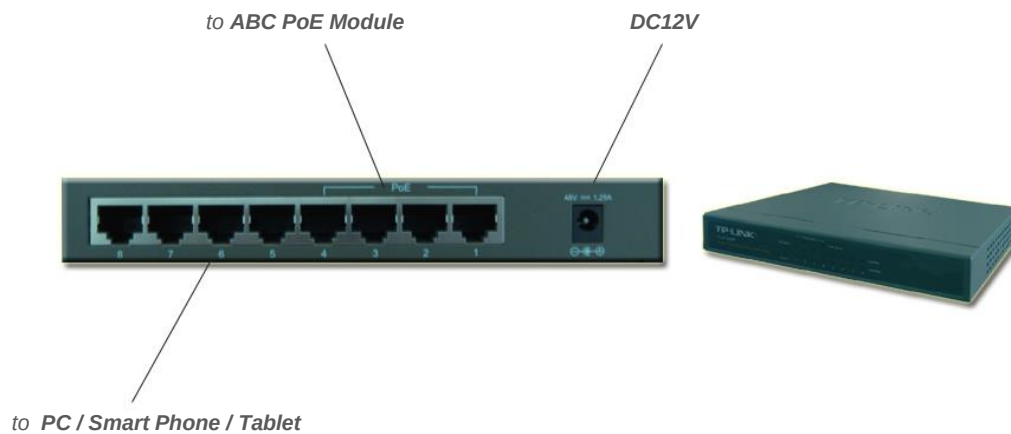
- **ABC Application Server** – discovers all modules automatically. It can provide surveillance on each of the modules no matter how many they are.

(Fig.1)



- **ABC POE Switch** - creates the connection between the PoE modules

(Fig.2)



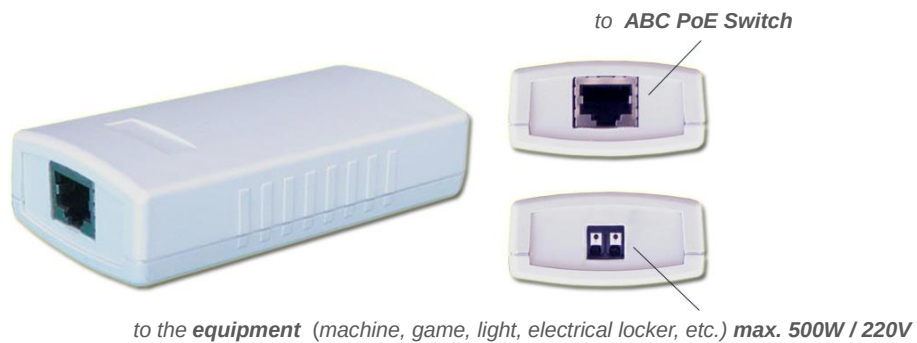
- **ABC Card Reader** - for adding and recognizing all the data of the users. Works with all the different RF cards with frequency of 125 kHz

(Fig.3)



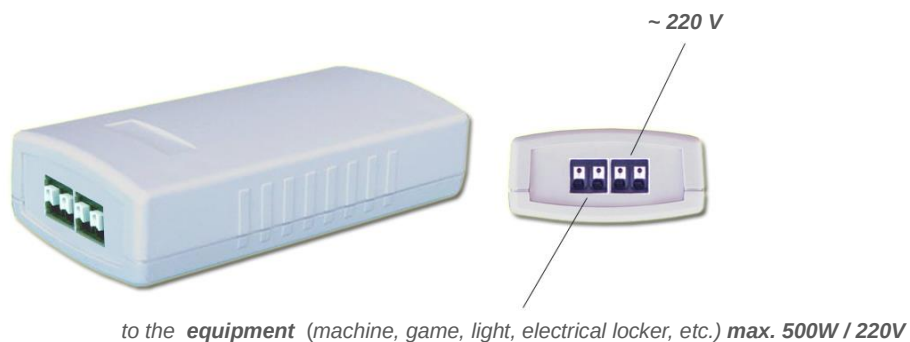
- **ABC PoE Module** - uses UTP cable for connection and it responds to standard IEEE 802.3at-2009

(Fig.4)



- **ABC Wi-Fi Module** - uses Wi-Fi connection by standard IEEE 802.11b/g

(Fig.5)



- **RF Card** - works to recognize or input users data in the system.

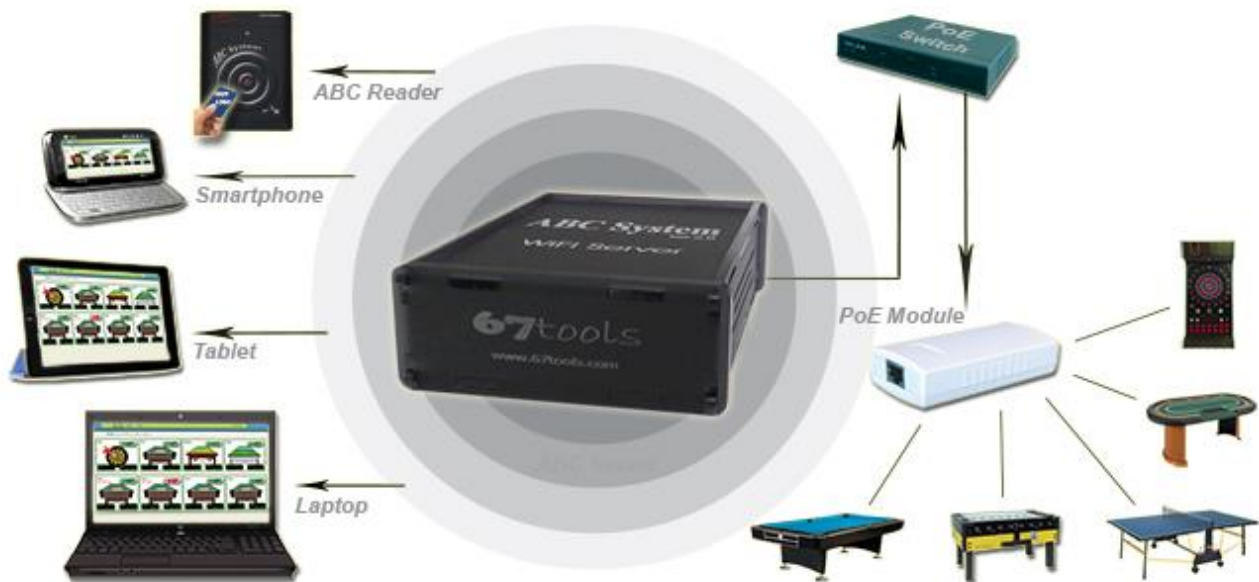
(Fig.6)



2. Connection:

ABC System allows you to set up every different equipment individually (machine, game, light, etc.). Every module works on its own and automatically discovers itself in the system.

✓ Connection of ABC PoE Module:



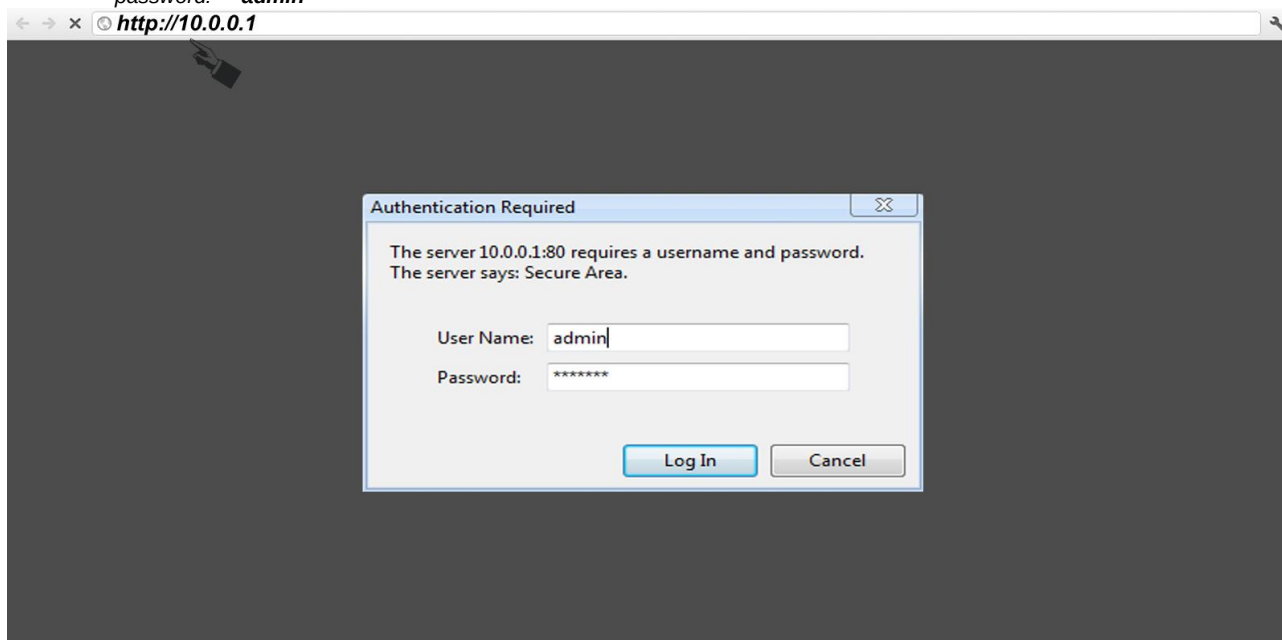
✓ Connection of ABC Wi-Fi Module:



3. User's instruction:

step 1: Turn on the system:

- 1.1 - Set up your internet adapter to receive **automatically IP** from the local network.
- 1.2 - Open your Internet browser (Internet Explorer, Opera, Firefox, Chrome) and type in the address line the following: **http://10.0.0.1** or **http://abcsystem**
- 1.3 - Type in the user name and the password as default:
user: **admin**
password: **admin**



- 1.4 - Connect all modules to the system by following one of the tables above.

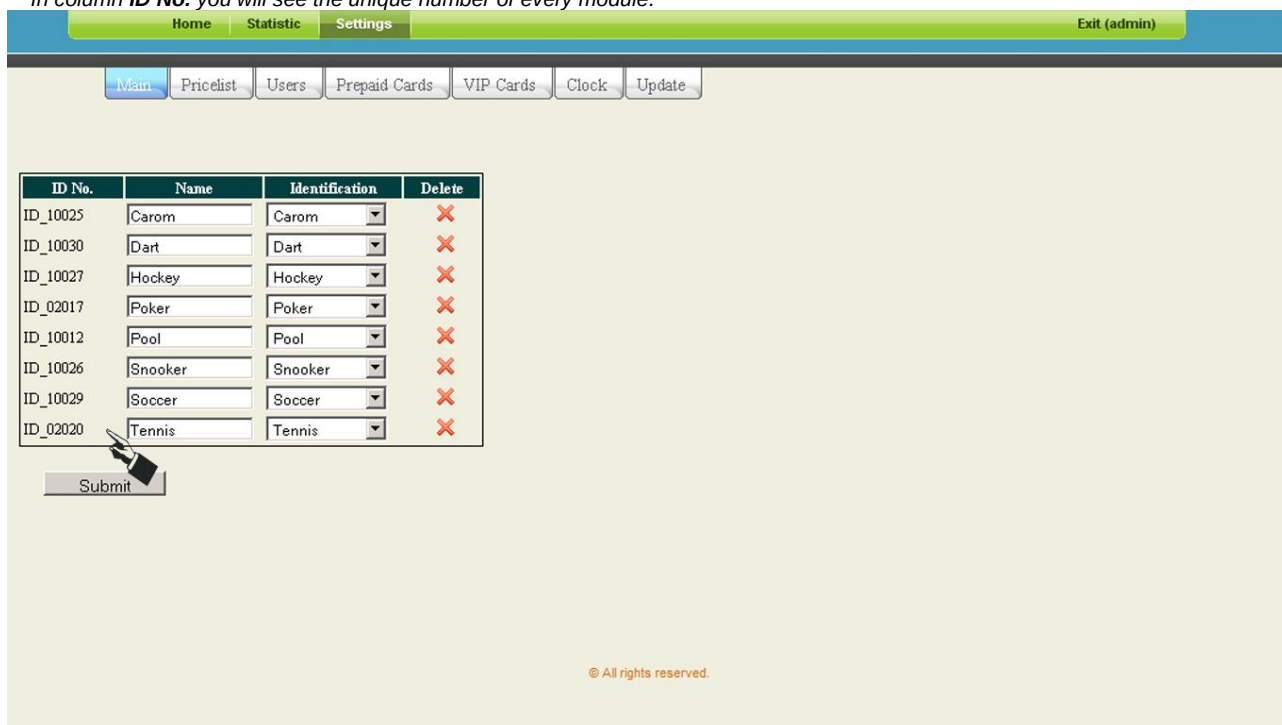
After the **ABC Module** is discovered (no matter if it is **PoE Module** or **Wi-Fi Module**)
It has to be set up, by typing certain parameters.

step 2: Adjusting the identification and groups:

2.1 - Unique module number

From the **Settings** menu, choose **Main**.

- ✓ In column **ID No.** you will see the unique number of every module.



Attention! This is factorial number, which cannot be changed (deleted) in any circumstances. When you connect the module to the system, the number is automatically detected and it can be used as a mark to help you to control particular equipment.

- **2.2 - Registering the names of the modules**

From the **Settings** menu, choose **Main**.

- ✓ In column **Name** write down the name of the equipment (the game). Maximum 10 characters.

The screenshot shows the 'Settings - Main' menu. At the top, there is a navigation bar with 'Home', 'Statistic', 'Settings', and 'Exit (Owner)'. Below this is a sub-menu bar with 'Main', 'Pricelist', 'Users', 'Prepaid Cards', 'VIP Cards', 'Clock', and 'Update'. The main content area contains a table with the following data:

ID No.	Name	Identification	Delete
ID_10012	Carom 2	Carom	✗
ID_10026	Dart_3	Dart	✗
ID_10025	Hockey	Hockey	✗
ID_02017	Hotel	Jacuzzi	✗
ID_10027	Snooker 3	Snooker	✗
ID_10029	Soccer 6	Soccer	✗
ID_02020	Table 12	Pool	✗
ID_10030		Tennis	✗

Below the table is a 'Submit' button. A hand icon points to the empty 'Name' field for ID_10030. At the bottom, there is a copyright notice: '© All rights reserved.'

To save the settings, click **Submit**.

- **2.3 - Module Identification**

From the **Settings** menu, choose **Main**.

- ✓ Column **Identification** contains a drop-down menu (**Pool, Snooker, Soccer, Tennis, Poker**)
These are the identification groups of the equipment (game). Choose the desirable group.

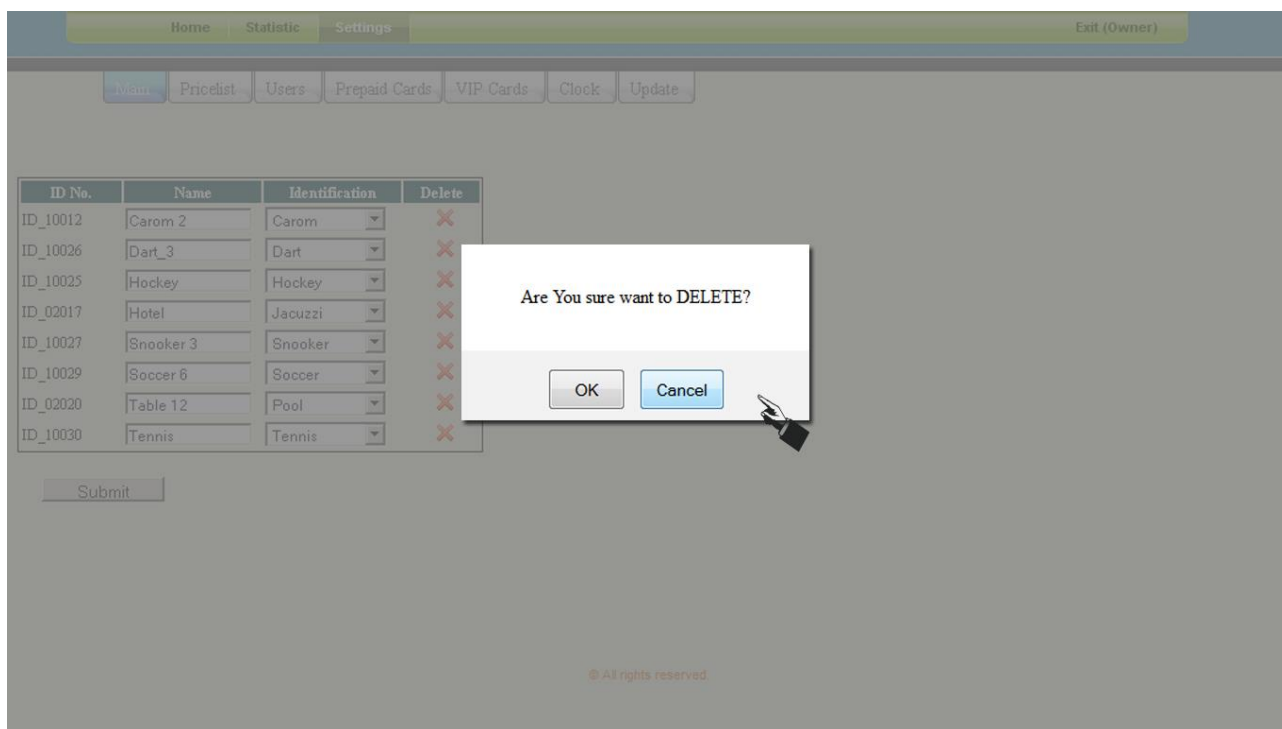
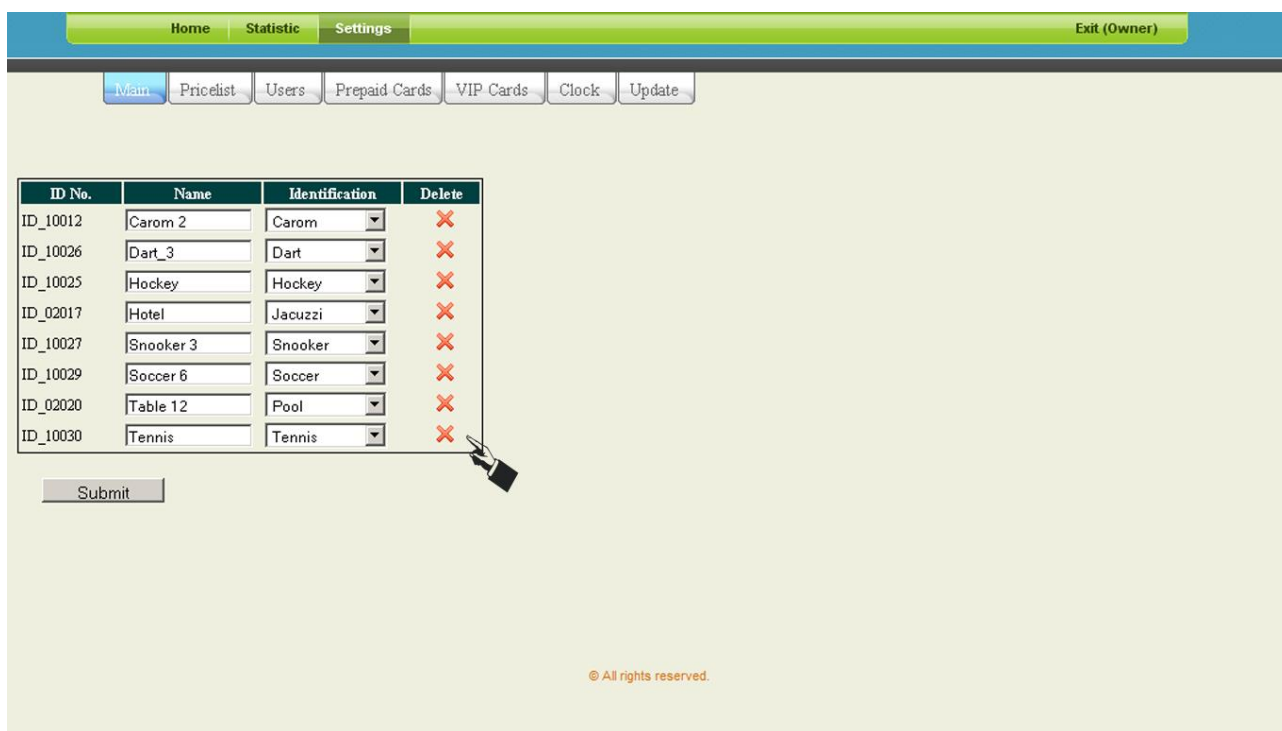
The screenshot shows the 'Settings - Main' menu with the 'Identification' dropdown menu open for the last row (ID_10030). The dropdown menu lists the following options: 'Not Define', 'Pool', 'Snooker', 'Carom', 'Poker', 'Hockey', 'Soccer', 'Tennis' (highlighted), 'Dart', 'Shovelboard', 'Jacuzzi', and 'Sauna'. A hand icon points to the 'Tennis' option. The table data is the same as in the previous screenshot. At the bottom, there is a copyright notice: '© All rights reserved.'

To save the settings, click **Submit**.

- 2.4 - Deleting not wanted/working modules

From the **Settings** menu, choose **Main**.

- ✓ If you do not need the module, you can delete it from the system. From the **Delete** menu, activate the window to delete the module. The module has to be disconnected from the cable if you wish to delete it.



If you want to delete, click **OK**.

Step 3: Set up the prices and the currency:

3.1 - Currency adjustment

From the **Settings** menu, click **Pricelist**.

- ✓ In column **Currency** write down the currency you wish to work with.

Home | Statistic | **Settings** | Exit (Owner)

Main | **Pricelist** | Users | Prepaid Cards | VIP Cards | Clock | Update

Currency: EUR

Prepaid Cards

Hours	5	15	20	25	30	45	60	75	100	150
Price	20.50	72.00	89.60	119.50	139.70	205.00	289.00	348.90	451.20	630.00

Pool

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00
Tuesday	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Wednesday	14.00	14.00	14.00	14.00	14.00	0.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Thursday	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Friday	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
Saturday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Sunday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Snooker

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Tuesday	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
Wednesday	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Thursday	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
Friday	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Saturday	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00

3.2 - Adjusting the price for prepaid cards

From the **Settings** menu, choose **Pricelist**.

- ✓ In the table **Prepaid Cards** type in the time and the amount with which your clients prepaid cards will be charged

Home | Statistic | **Settings** | Exit (Owner)

Main | **Pricelist** | Users | Prepaid Cards | VIP Cards | Clock | Update

Currency: EUR

Prepaid Cards

Hours	5	15	20	25	30	45	60	75	100	
Price	20.00	72.00	89.60	119.50	139.70	205.00	289.00	348.90	451.20	

Pool

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00
Tuesday	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Wednesday	14.00	14.00	14.00	14.00	14.00	0.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Thursday	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Friday	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
Saturday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Sunday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Snooker

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Tuesday	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
Wednesday	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Thursday	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
Friday	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Saturday	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00

- 3.3 - Adjusting the prices for identification groups

From the **Settings** menu, choose **Pricelist**.

- ✓ For every identification group (**Pool, Snooker, Soccer, Tennis, Poker**) you will receive a table. In this table you can type-in the prices for every day and hour of the week.

Home | Statistic | **Settings** | Exit (Owner)

Main | **Pricelist** | Users | Prepaid Cards | VIP Cards | Clock | Update

Currency: EUR

Prepaid Cards

Hours	5	15	20	25	30	45	60	75	100	150
Price	20.00	72.00	89.60	119.50	139.70	205.00	289.00	348.90	451.20	526.65

Pool

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday				10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	12.00	12.00	12.00	12.00	12.00
Tuesday				12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00
Wednesday				14.00	14.00	0.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
Thursday	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00	16.00
Friday	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00	17.00
Saturday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00
Sunday	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Snooker

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00
Monday	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50	20.50
Tuesday	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00	24.00
Wednesday	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00	26.00
Thursday	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00	28.00
Friday	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00	30.00
Saturday	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00	32.00

To save the settings, click **Submit**.

Step 4: Operators and access passwords:

- 4.1 - Add an operator

From the **Settings** menu, choose **Users**.

- ✓ By clicking on **Add New User** you will open the window in which you could add a new user.

Home | Statistic | **Settings** | Exit (Owner)

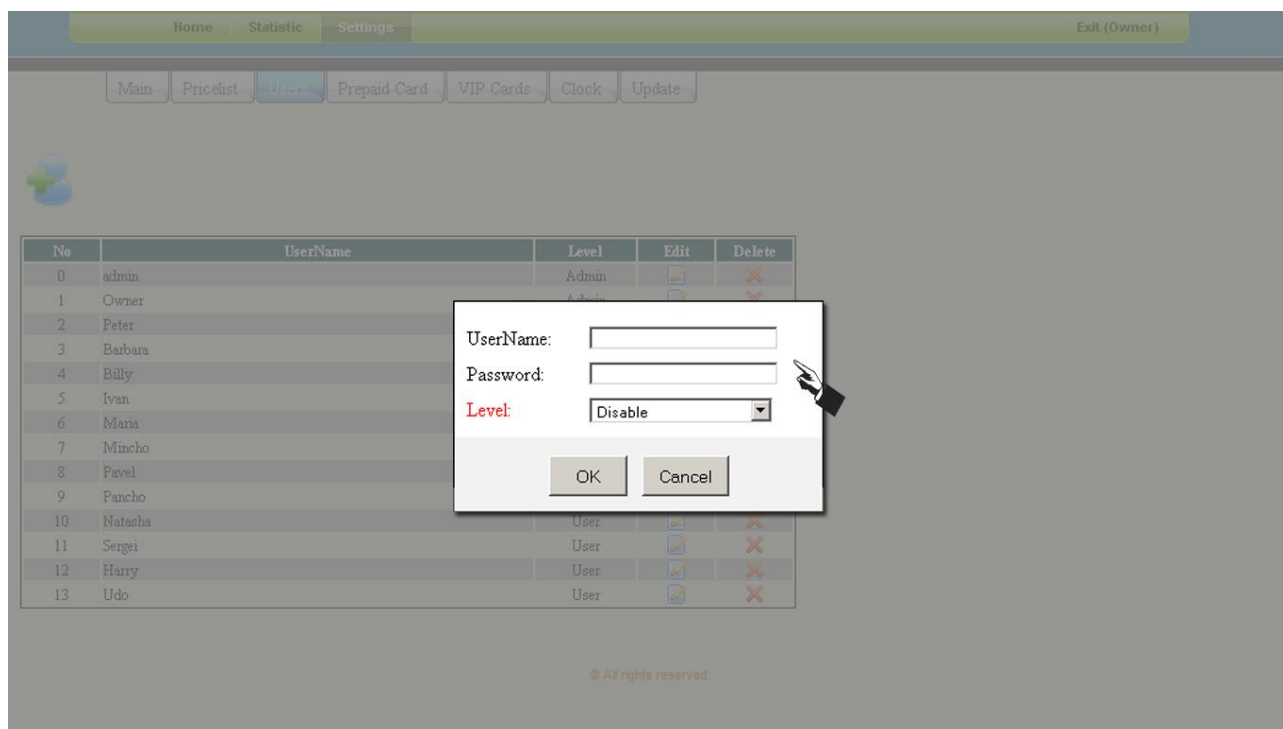
Main | Pricelist | **Users** | Prepaid Cards | VIP Cards | Clock | Update

Add New User

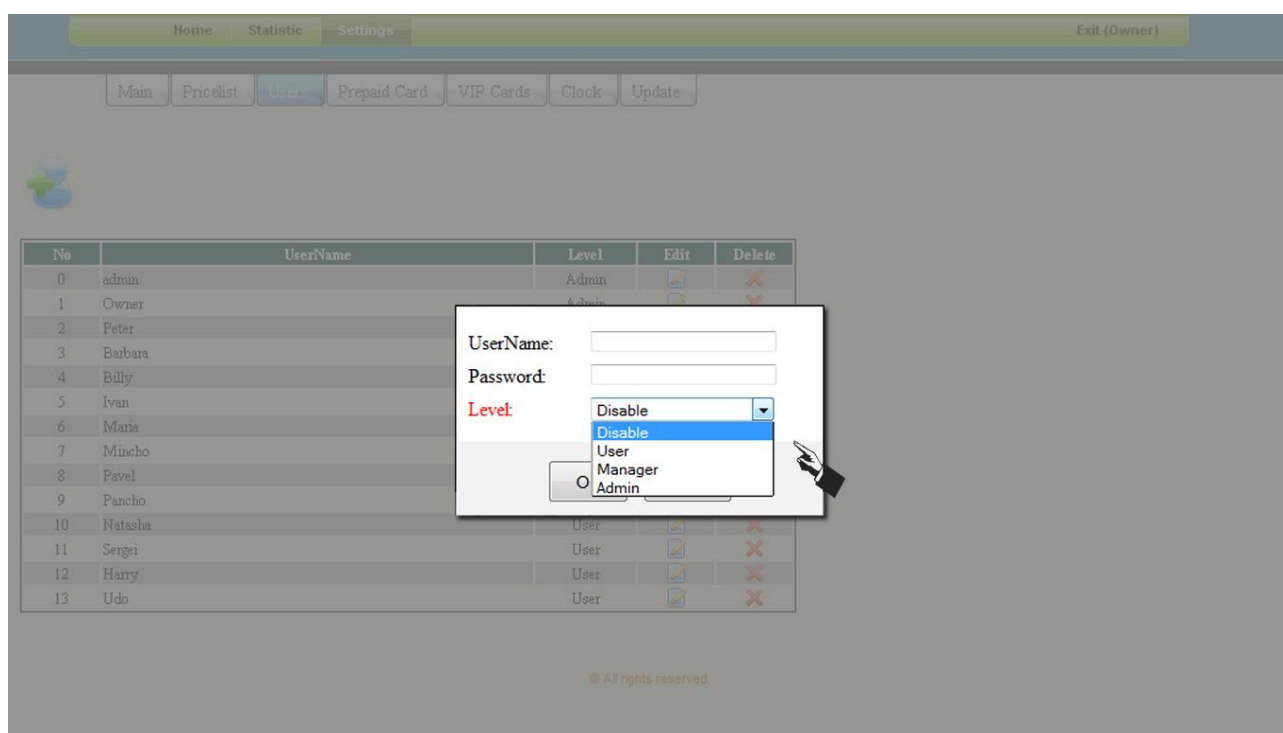
No	UserName	Level	Edit	Delete
0	admin	Admin		
1	Owner	Admin		
2	Peter	Manager		
3	Barbara	Manager		
4	Billy	User		
5	Ivan	User		
6	Maria	User		
7	Mincho	User		
8	Pavel	User		
9	Pancho	User		
10	Natasha	User		
11	Sergei	User		
12	Harry	User		
13	Udo	User		

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- ✓ In the **UserName** field type-in the name (max.15 characters), in **Password** type-in the password of the new user.



From the drop-down menu **Level** you can choose the level of access of the new user.



To save the settings, click **OK**.

➤ Important !!!

For higher level of security **ABC Application Server** offers the opportunity to work on few levels. Every level can be accessed only by password and it has particular functions regarding the control of the system.

Level 1: Disable - the user is registered in the system, but he does not have any access to it.

Level 2: User - (Reception, Bar, Staff) - has the possibility to start, stop and surveillance the work of the equipment in the system. This level allows the user to see only its own statistic.

Level 3: Manager - (Manager) - beside the functions of OPERATOR, it can create prepaid VIP cards. This level allows the user to see the statistics of all users in the system.

Level 4: Admin - (Owner) - full control and access to all levels in the system, it has the opportunity to make changes no matter the place or the time of the user's location. It can set up the system in, groups and kinds of used equipment and it can set up different currencies and tariffs, it can control the level of access of the other users in the system.

- 4.2 - Edit an operator

From the **Settings** menu, choose **Users**.

- ✓ The data of every operator can be changed.
From sub-menu **Edit** activate the edit window

The screenshot shows the application's main menu with 'Home', 'Statistic', and 'Settings' highlighted. The 'Settings' sub-menu is open, showing options like 'Main', 'Pricelist', 'Users', 'Prepaid Cards', 'VIP Cards', 'Clock', and 'Update'. The 'Users' option is selected, displaying a table of operators.

No	UserName	Level	Edit	Delete
0	admin	Admin		
1	Owner	Admin		
2	Peter	Manager		
3	Barbara	Manager		
4	Billy	User		
5	Ivan	User		
6	Maria	User		
7	Mincho	User		
8	Pavel	User		
9	Pancho	User		
10	Natasha	User		
11	Sergei	User		
12	Harry	User		
13	Udo	User		

A mouse cursor is pointing at the 'Edit' icon for the user 'Udo'. At the bottom, there is a copyright notice: '© All rights reserved.'

..... and do the necessary changes.

This screenshot shows the same 'Users' table as the previous one, but with an 'Edit' dialog box open for the user 'Udo'. The dialog box contains the following fields:

- UserName:** Udo
- Password:** 123456
- Level:** A dropdown menu with options: User, Disable, User, Manager (selected), and Admin.

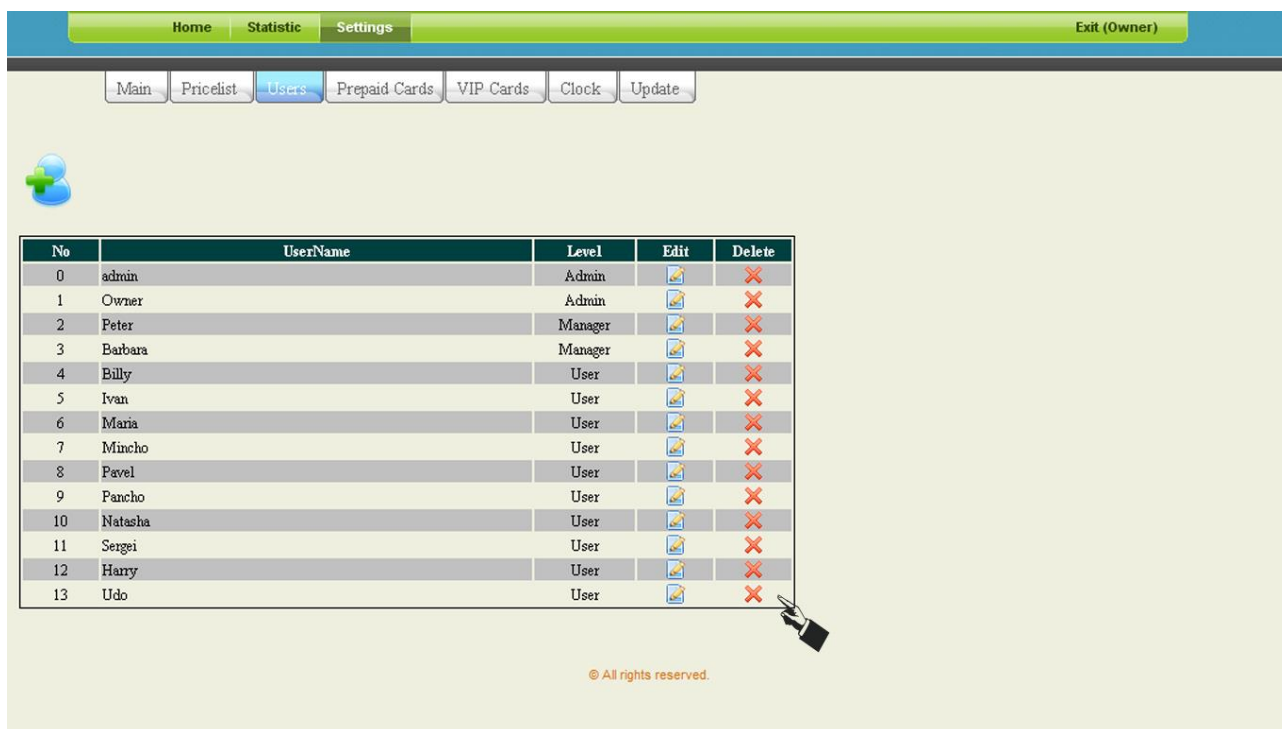
A mouse cursor is pointing at the 'Manager' option in the level dropdown. The background table is dimmed. The copyright notice '© All rights reserved.' is visible at the bottom.

To save the settings, click **OK**.

- **4.3 - Delete an operator**

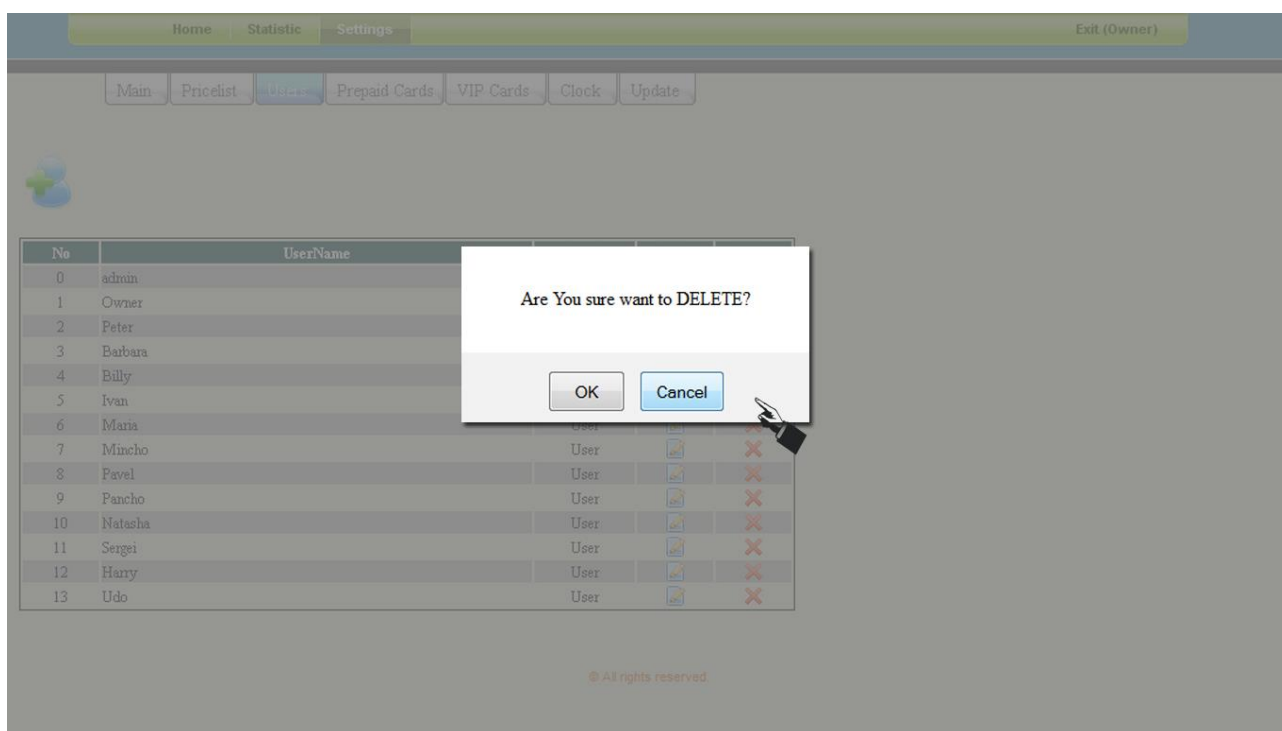
From the **Settings** menu, choose **Users**.

- ✓ From the sub-menu **Delete** activate the window for deleting the operator.



No	UserName	Level	Edit	Delete
0	admin	Admin		
1	Owner	Admin		
2	Peter	Manager		
3	Barbara	Manager		
4	Billy	User		
5	Ivan	User		
6	Maria	User		
7	Mincho	User		
8	Pavel	User		
9	Pancho	User		
10	Natasha	User		
11	Sergei	User		
12	Harry	User		
13	Udo	User		

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No	UserName	Level	Edit	Delete
0	admin	Admin		
1	Owner	Admin		
2	Peter	Manager		
3	Barbara	Manager		
4	Billy	User		
5	Ivan	User		
6	Maria	User		
7	Mincho	User		
8	Pavel	User		
9	Pancho	User		
10	Natasha	User		
11	Sergei	User		
12	Harry	User		
13	Udo	User		

Are You sure want to DELETE?

OK Cancel

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If you want to delete, click **OK**.

Step 5: Discount cards (VIP Cards):

5.1 - Add a discount card

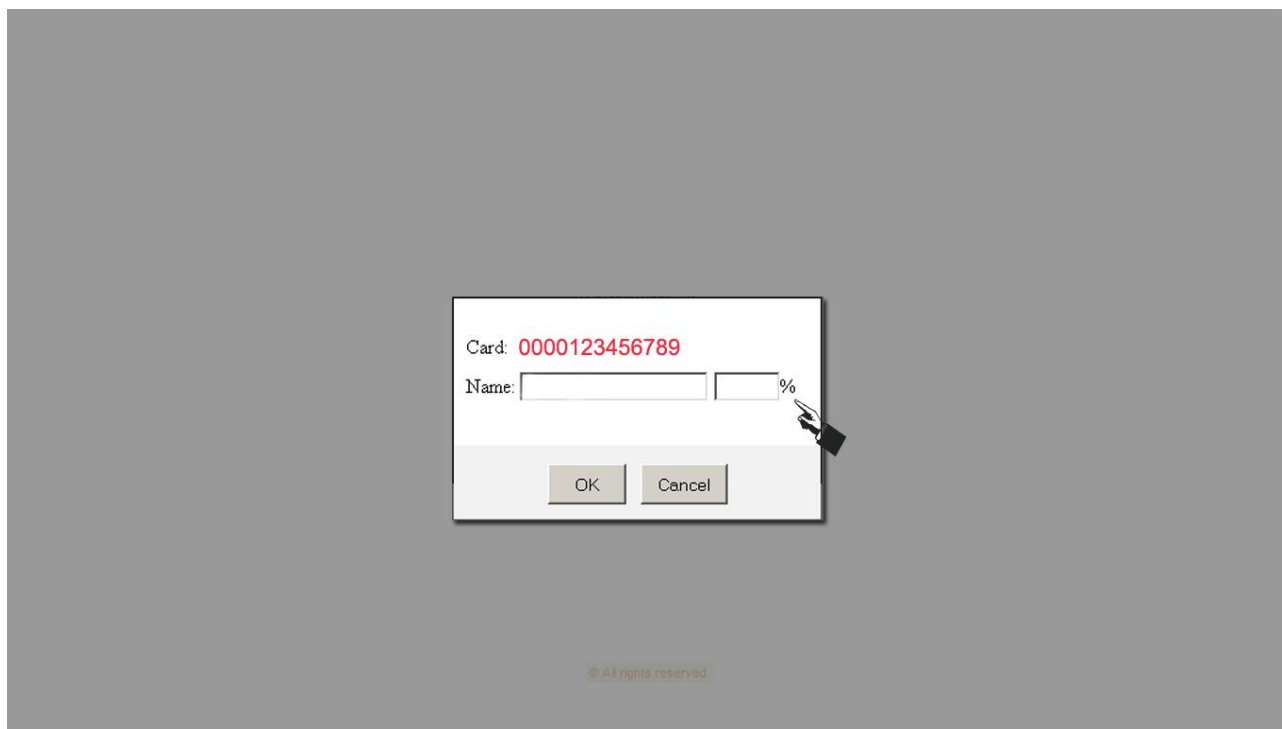
From the **Settings** menu, choose **VIP Cards**.

- ✓ Click on **Add New Card** to open the window for adding new card.



No	Card Number	Owner	Discount	Edit	Delete
2	0038654817996	John Smith	8%		
4	0038654819284	Tom Anderson	12%		
5	0004309068035	Service Card	100%		
6	0004309024858	Sergei Timofeev	14%		
7	0000014130551	Asami Yamamoto	16%		
8	0000014529836	Ivan Vassilev	22%		

Type-in the name (max. 20 characters) and the discount percentage the client will have.



Card: 0000123456789

Name: %

OK Cancel

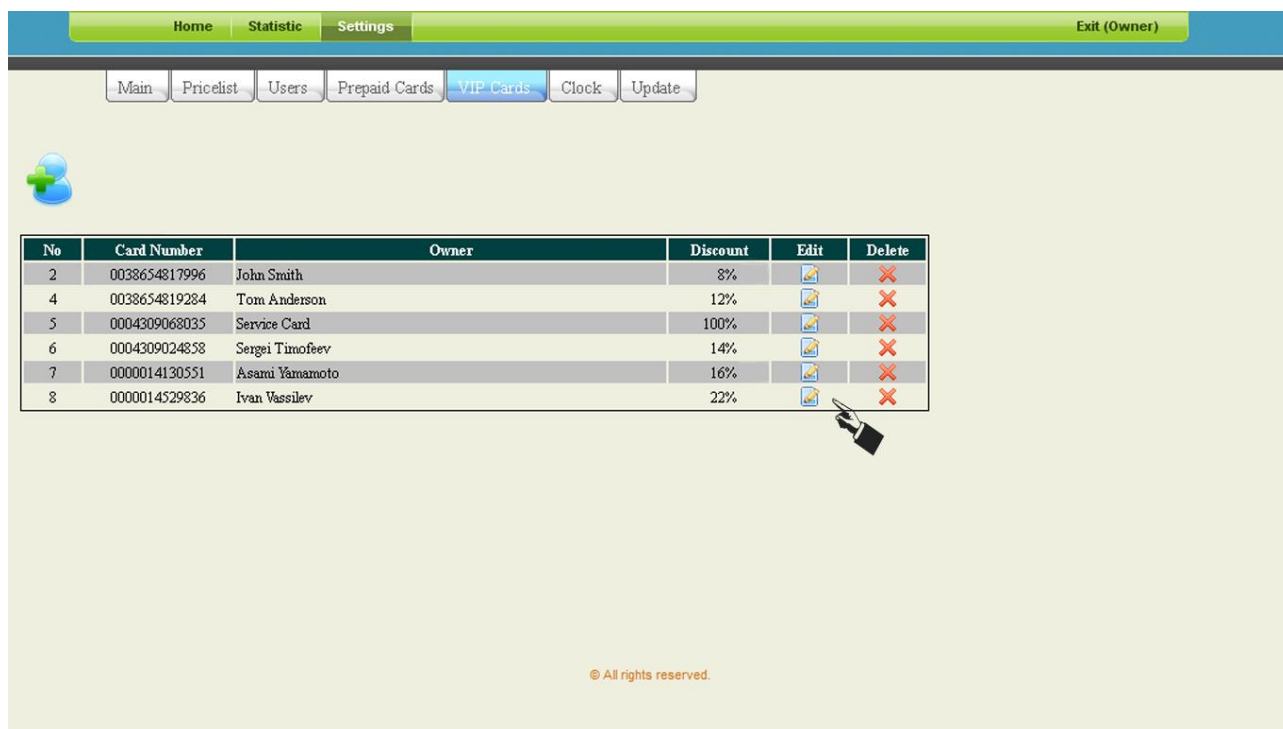
To save the settings, click **OK**.

- **Note:** For more flexibility, if any repairs on any equipment or game are required, you can create a service card with 100% discount. In this way the time needed for the repairs will not affect the turnover for the day.

• 5.2 - Edit a discount card

From the **Settings** menu, choose **VIP Cards**.

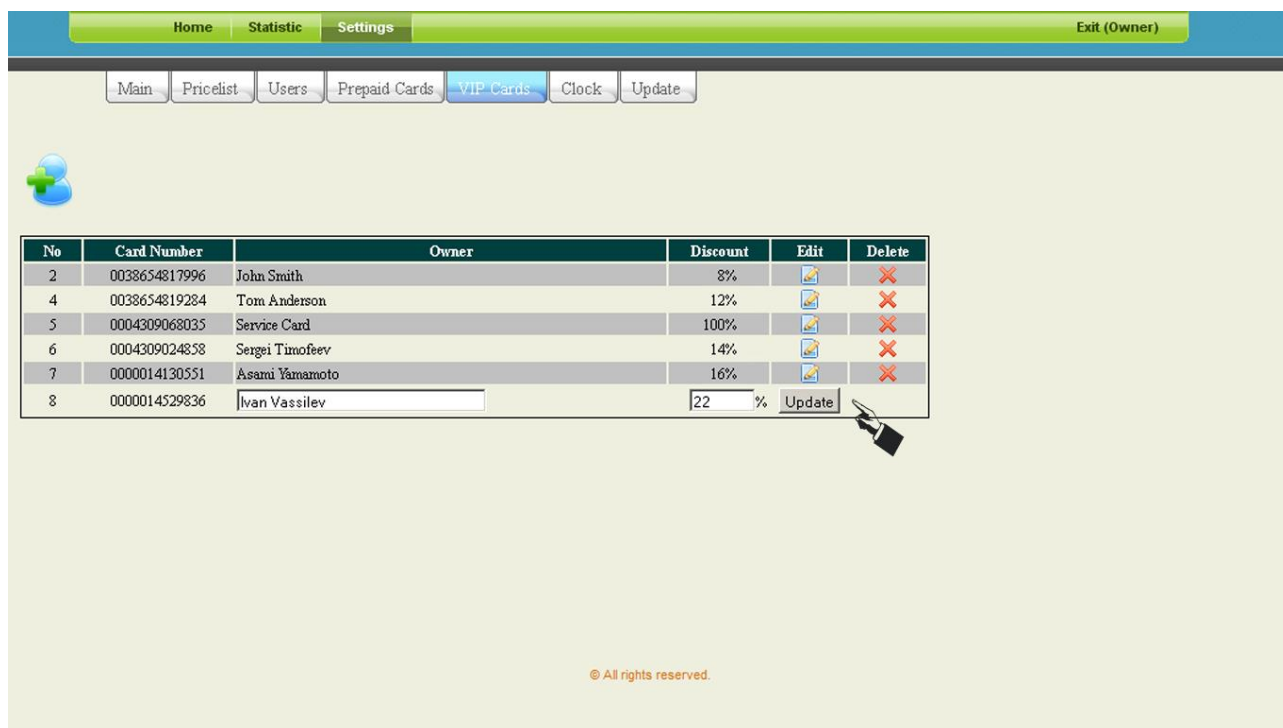
- ✓ From sub-menu **Edit** you will open the window for editing discount cards.



No	Card Number	Owner	Discount	Edit	Delete
2	0038654817996	John Smith	8%		
4	0038654819284	Tom Anderson	12%		
5	0004309068035	Service Card	100%		
6	0004309024858	Sergei Timofeev	14%		
7	0000014130551	Asami Yamamoto	16%		
8	0000014529836	Ivan Vassilev	22%		

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Type-in the necessary changes regarding the name of the user (max. 20 characters) and the discount percentage.



No	Card Number	Owner	Discount	Edit	Delete
2	0038654817996	John Smith	8%		
4	0038654819284	Tom Anderson	12%		
5	0004309068035	Service Card	100%		
6	0004309024858	Sergei Timofeev	14%		
7	0000014130551	Asami Yamamoto	16%		
8	0000014529836	Ivan Vassilev	22% Update		

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To save the settings, click **Update**.

- 5.3 - Delete a discount card

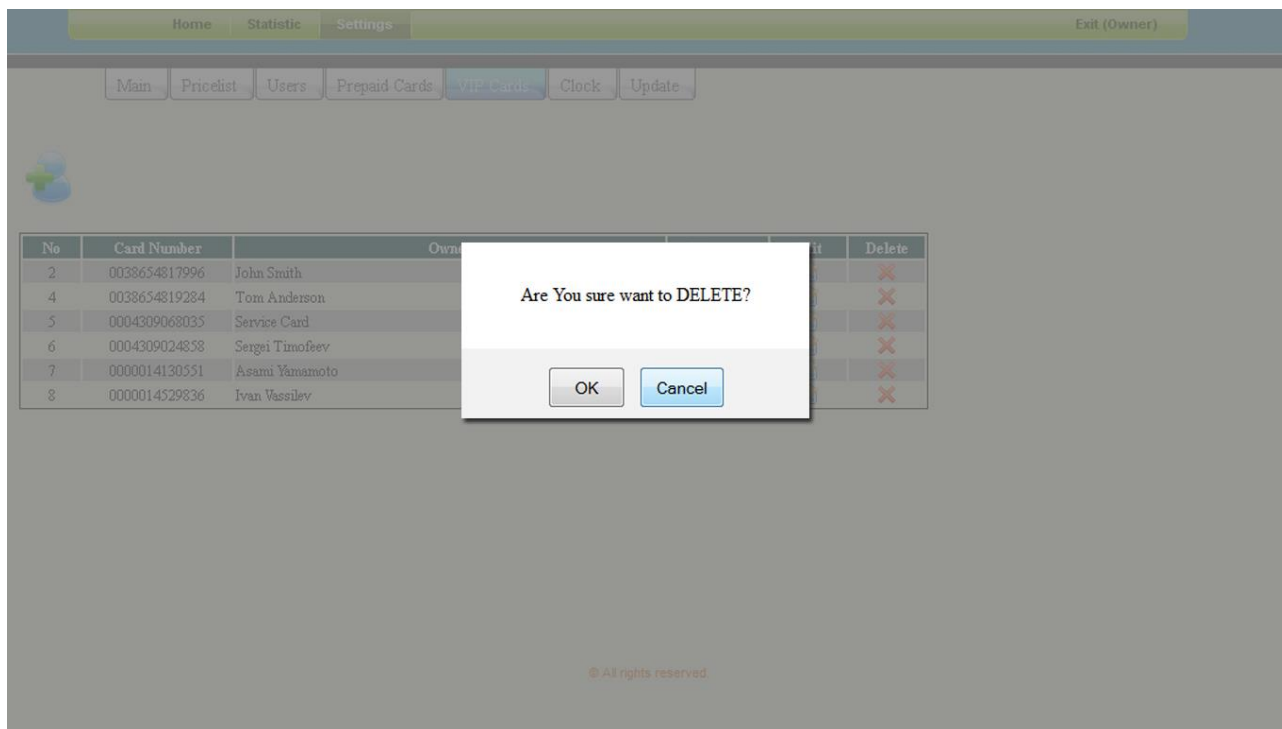
From the **Settings** menu, choose **VIP Cards**.

- ✓ From sub-menu **Delete** activate the window for deleting discount cards



No	Card Number	Owner	Discount	Edit	Delete
2	0038654817996	John Smith	8%		
4	0038654819284	Tom Anderson	12%		
5	0004309068035	Service Card	100%		
6	0004309024858	Sergei Timofeev	14%		
7	0000014130551	Asami Yamamoto	16%		
8	0000014529836	Ivan Vassilev	22%		

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Are You sure want to DELETE?

OK Cancel

No	Card Number	Owner	Discount	Edit	Delete
2	0038654817996	John Smith	8%		
4	0038654819284	Tom Anderson	12%		
5	0004309068035	Service Card	100%		
6	0004309024858	Sergei Timofeev	14%		
7	0000014130551	Asami Yamamoto	16%		
8	0000014529836	Ivan Vassilev	22%		

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If you want to delete, click **OK**.

step 6: Prepaid Cards

6.1 - Add a prepaid card

From the **Settings** menu, choose **Prepaid Cards**.

- ✓ From the button **Add New Card** activate the window for adding a prepaid card.

The screenshot shows the 'Prepaid Cards' section of the software. At the top, there is a navigation bar with 'Home', 'Statistic', 'Settings', and 'Exit (Owner)'. Below this is a sub-menu with 'Main', 'Pricelist', 'Users', 'Prepaid Cards' (highlighted), 'VIP Cards', 'Clock', and 'Update'. On the left, there is a green plus icon and a hand icon pointing to a button labeled 'Add New Card'. The main area contains a table with the following data:

No	Card Number	Owner	Time	Edit	Delete
1	0038654819050	Cheng Ming	00:00		
3	0004425085395	Hans Schulz	10:00		
9	0000014569180	Tom Anderson	15:00		
10	0004309020046	Olga Ivanovna	25:00		
11	0004308990168	Chikako Sakura	05:00		
12	0000014527141	Murad Hashim	30:00		
13	0004308775085	Menas Papadakis	150:00		

At the bottom center, there is a small text: '© All rights reserved.'

Whenever there is a card placed on the scan device (reader) in the **Card** field the number of the card will appear. Add the name of the owner in the **Name** field (max. 20 characters).

The screenshot shows the same 'Prepaid Cards' interface as before, but with a modal dialog box open in the center. The dialog has the following fields and buttons:

- Card:** 0000123456789
- Name:**
- OK** button
- Cancel** button

The background table and navigation elements are visible but slightly dimmed. The '© All rights reserved.' text is also present at the bottom.

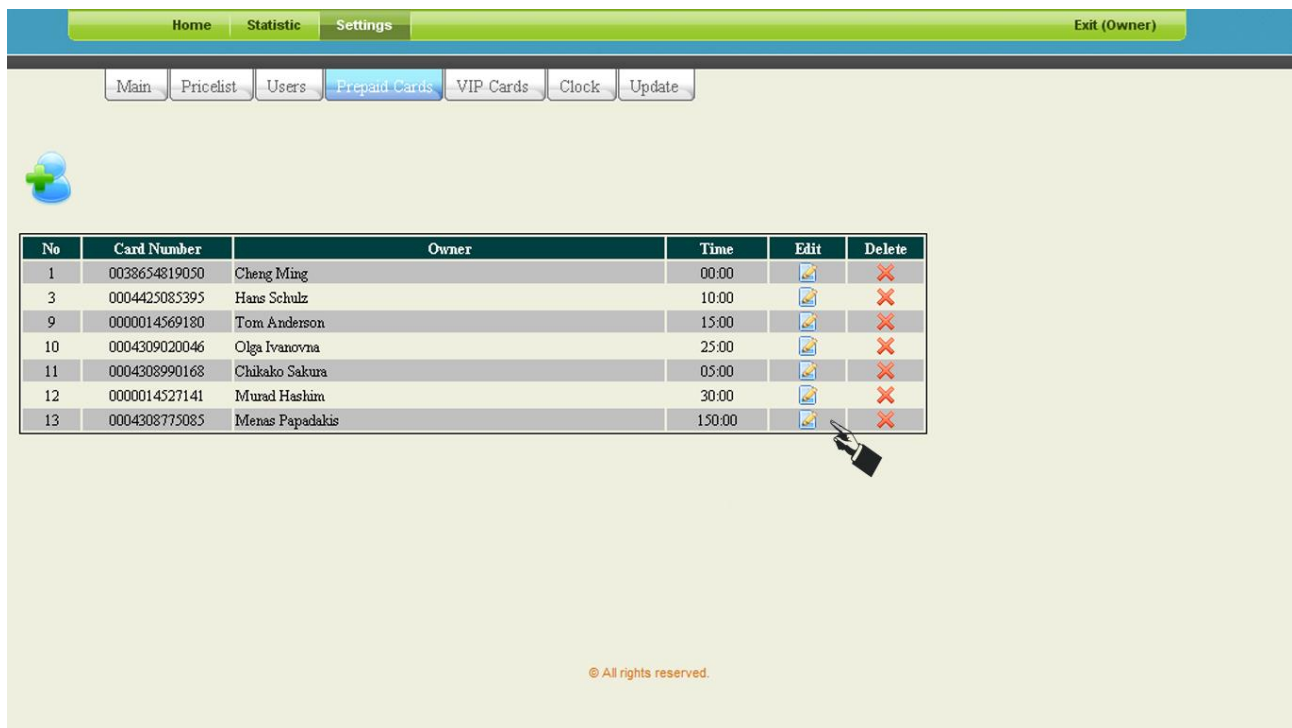
To save the settings, click **OK**.

- The new prepaid card is already on the list and you just need to charge it (see 6.4)

- 6.2 - Edit a prepaid card

From the **Settings** menu, choose **Prepaid Cards**.

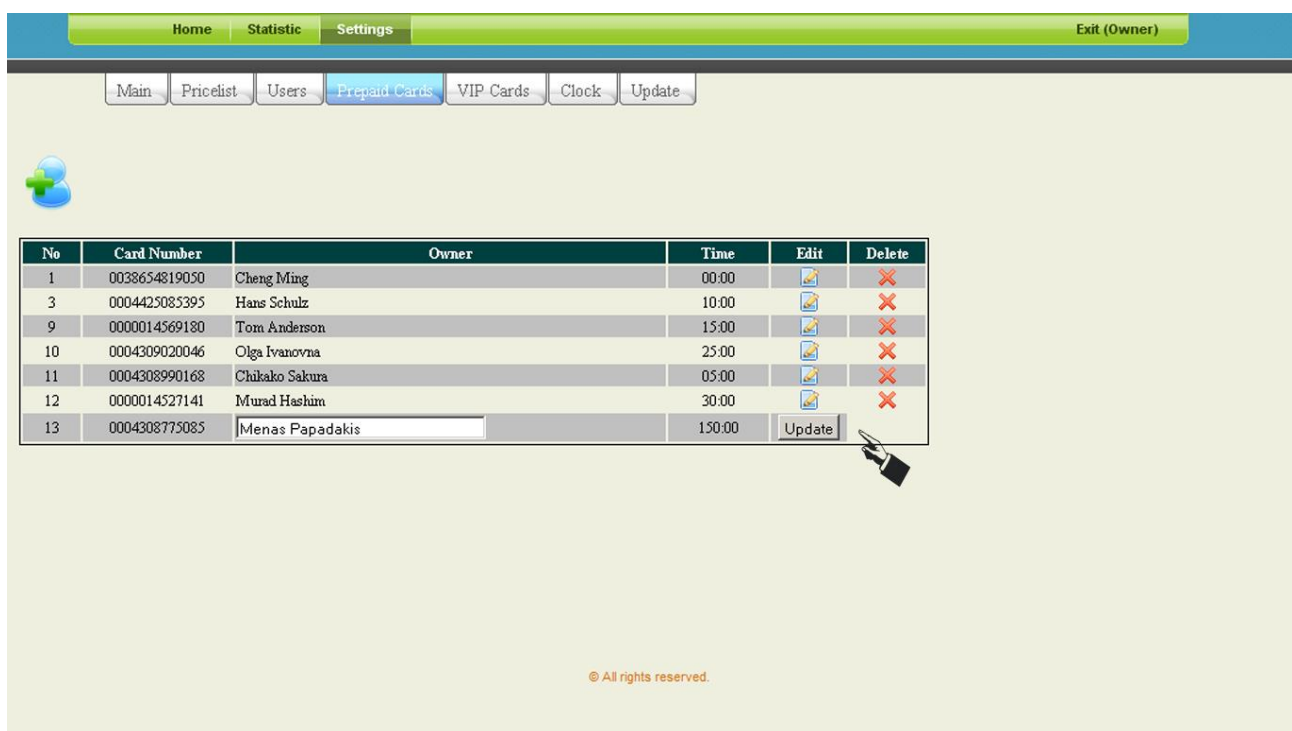
✓ From the **Edit** menu, open the edit window.



No	Card Number	Owner	Time	Edit	Delete
1	0038654819050	Cheng Ming	00:00		
3	0004425085395	Hans Schulz	10:00		
9	0000014569180	Tom Anderson	15:00		
10	0004309020046	Olga Ivanovna	25:00		
11	0004308990168	Chukako Sakura	05:00		
12	0000014527141	Murad Hashim	30:00		
13	0004308775085	Menas Papadakis	150:00		

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Write the necessary name changes in the name field (max. 20 characters).



No	Card Number	Owner	Time	Edit	Delete
1	0038654819050	Cheng Ming	00:00		
3	0004425085395	Hans Schulz	10:00		
9	0000014569180	Tom Anderson	15:00		
10	0004309020046	Olga Ivanovna	25:00		
11	0004308990168	Chukako Sakura	05:00		
12	0000014527141	Murad Hashim	30:00		
13	0004308775085	Menas Papadakis	150:00		

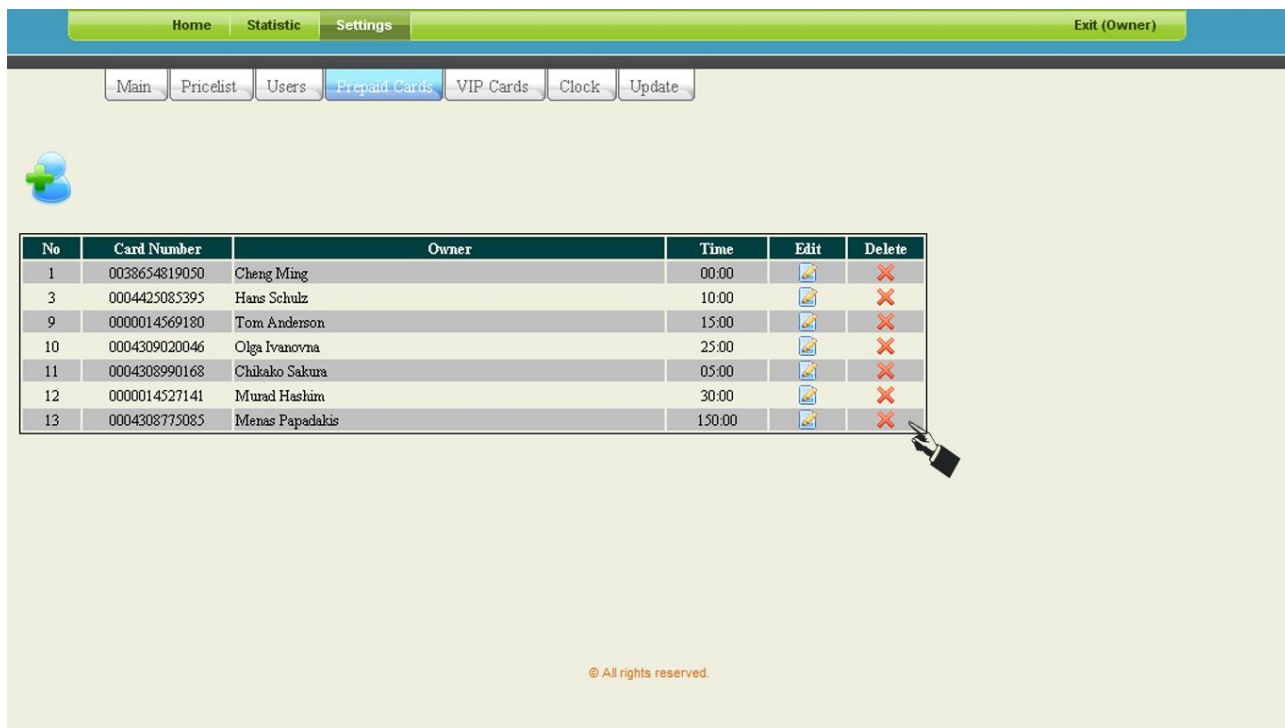
© All rights reserved.

To save the settings, click **Update**.

- **6.3 - Delete a prepaid card**

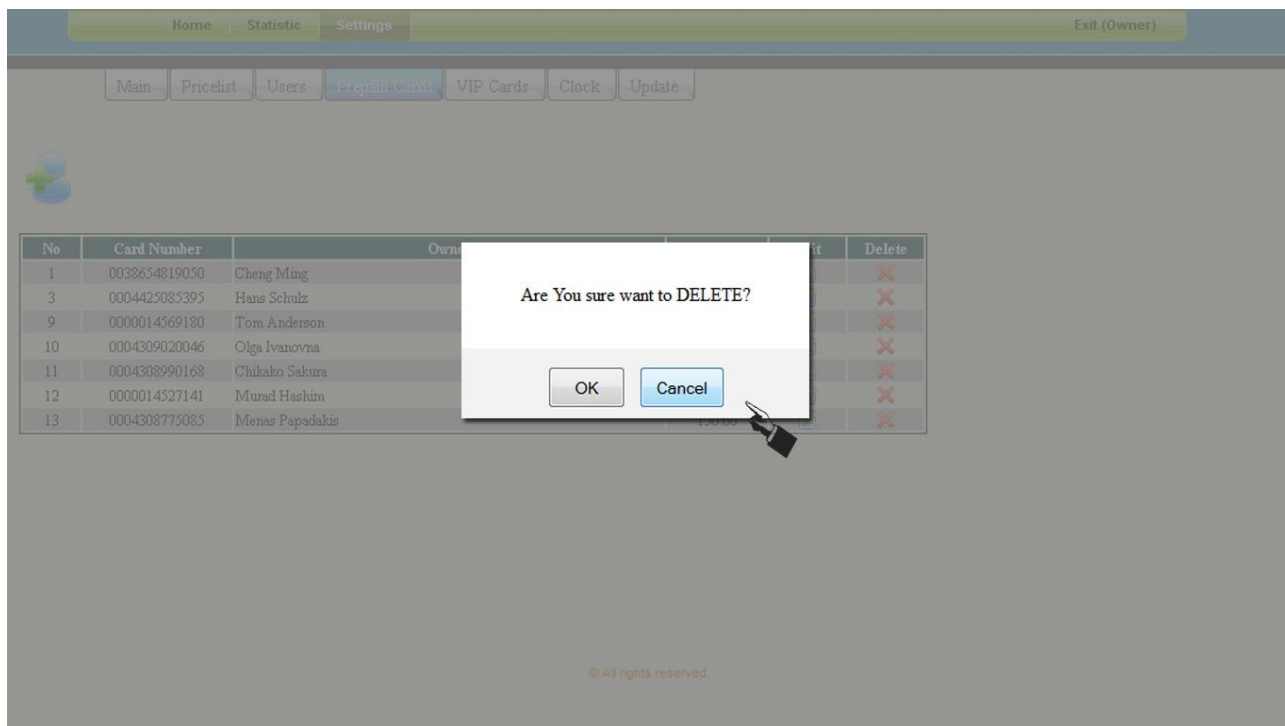
From the **Settings** menu, choose **Prepaid Cards**.

- ✓ From the **Delete** sub-menu, activate the window for deleting a prepaid card.



No	Card Number	Owner	Time	Edit	Delete
1	0038654819050	Cheng Ming	00:00		
3	0004425085395	Hans Schulz	10:00		
9	0000014569180	Tom Anderson	15:00		
10	0004309020046	Olga Ivanovna	25:00		
11	0004308990168	Chikako Sakura	05:00		
12	0000014527141	Murad Hashim	30:00		
13	0004308775085	Menas Papadakis	150:00		

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No	Card Number	Owner	Time	Edit	Delete
1	0038654819050	Cheng Ming	00:00		
3	0004425085395	Hans Schulz	10:00		
9	0000014569180	Tom Anderson	15:00		
10	0004309020046	Olga Ivanovna	25:00		
11	0004308990168	Chikako Sakura	05:00		
12	0000014527141	Murad Hashim	30:00		
13	0004308775085	Menas Papadakis	150:00		

Are You sure want to DELETE?

OK Cancel

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If you want to delete, click **OK**.

- **6.4 - Charge a prepaid card**

From the **Home** menu, chose **Card Information**.

- ✓ Place the card on the reader. In the active window you will see the number of the card, the name of the owner and the amount of prepaid hours. If the client wants to charge the card, click on the desirable amount. In this way the amount of hours in the **Prepaid Time** field will change.

The screenshot shows a software interface with a green header bar containing 'Home', 'Statistic', 'Settings', and 'Exit (Owner)'. The main content area is titled 'Card Information'. It displays 'Card No.: 0004425085395' in red and 'Name: Hans Schulz' in black. To the right, 'Prepaid time: 09:41 Hours' is shown in green. Below this, a section labeled 'Charge card:' contains a table with two rows: 'Hours' and 'Price'. The table has 11 columns for different hour amounts. At the bottom of the window is a 'Cancel' button. The footer of the window says '© All rights reserved.'

Hours	5	15	20	25	30	45	60	75	100	150
Price	20.00 EUR	72.00 EUR	89.60 EUR	119.50 EUR	139.70 EUR	205.00 EUR	289.00 EUR	348.90 EUR	451.20 EUR	526.65 EUR

step 7: Check on cards:

From the **Home** menu, choose **Card Information**.

- ✓ Place the card on the reader. In the active window you will find the desirable information.

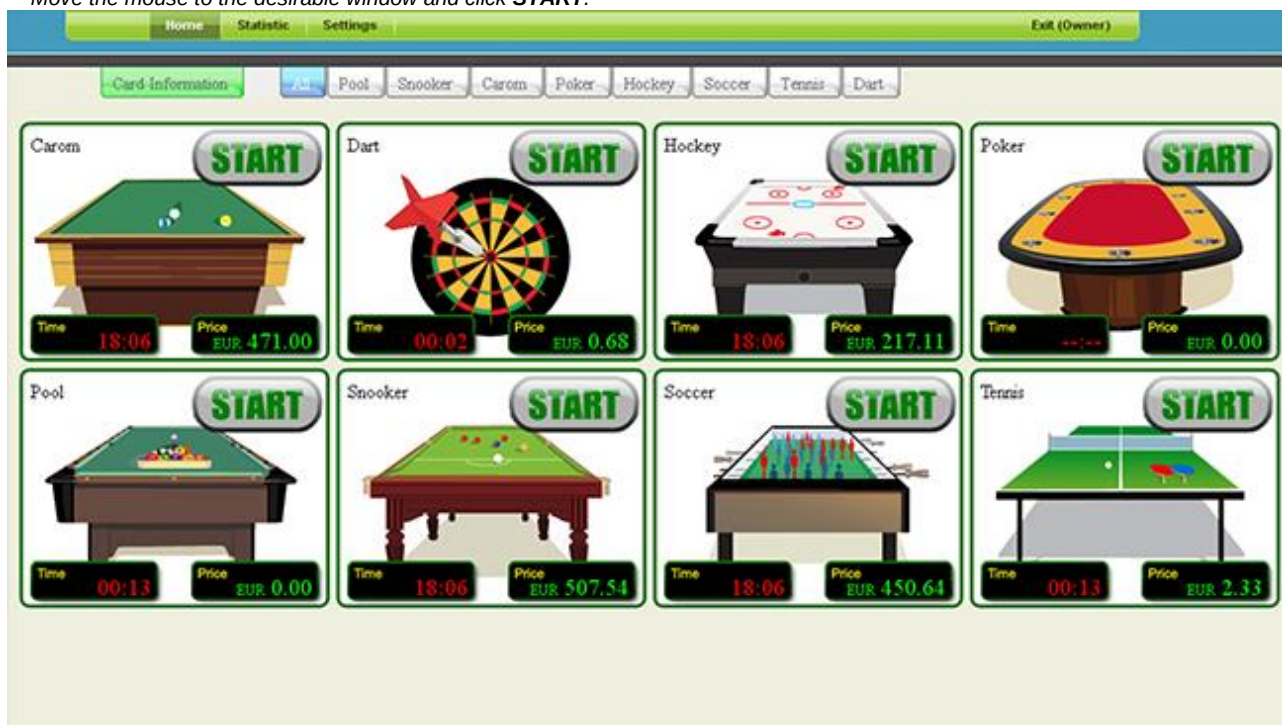
The screenshot shows the same software interface as before. The 'Card Information' window now displays 'Card No.: 0038654817996' in red and 'Name: John Smith' in black. To the right, 'VIP Card 8%' is shown in green. The 'Cancel' button is still at the bottom. The footer of the window says '© All rights reserved.'

step 8: Control the equipment (games):

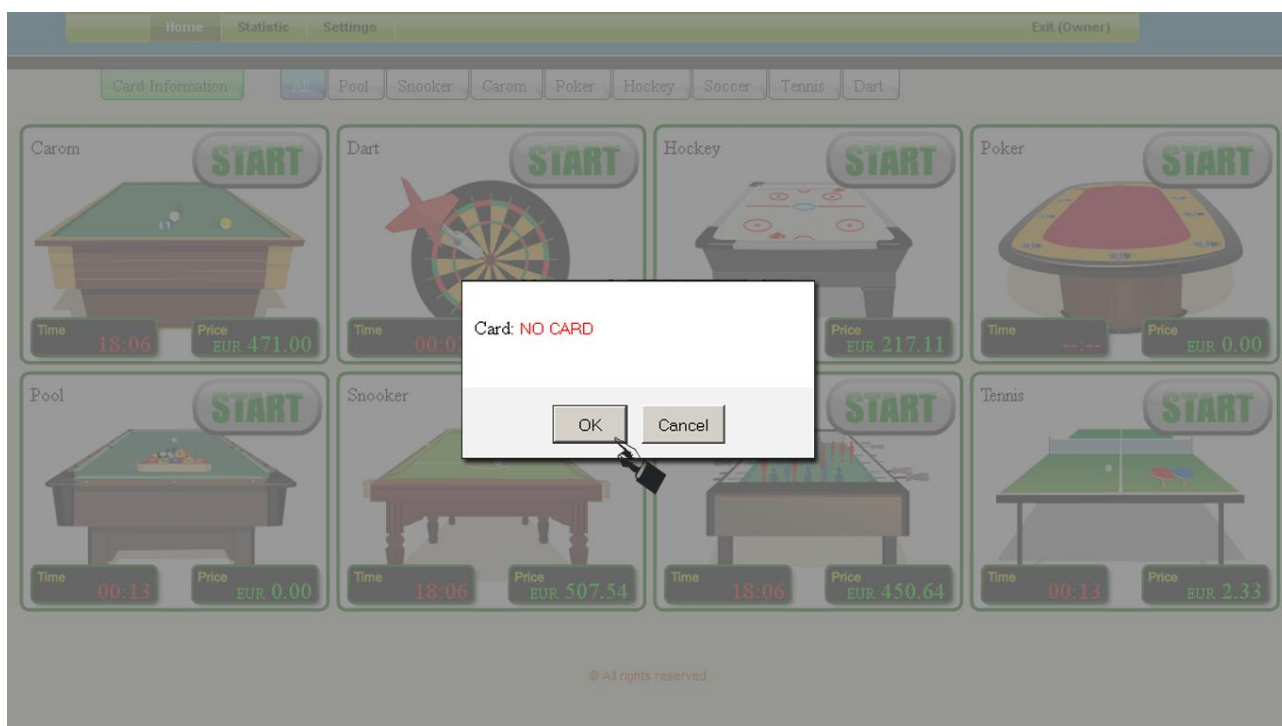
• **8.1 - Start a module without card**

Choose **Home** menu.

- ✓ Move the mouse to the desirable window and click **START**.



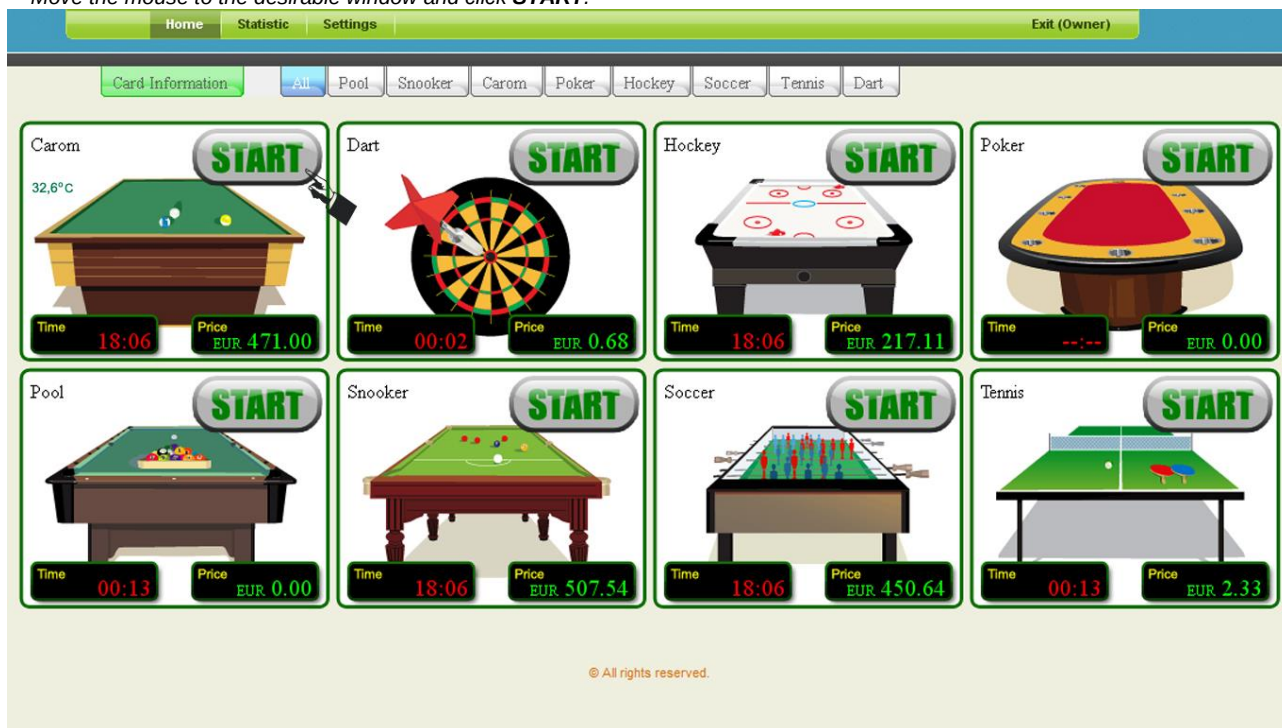
The screen will darken and a message which states, there is no card placed on the reader, will appear. To activate the desirable equipment (game) without card, click **OK**.



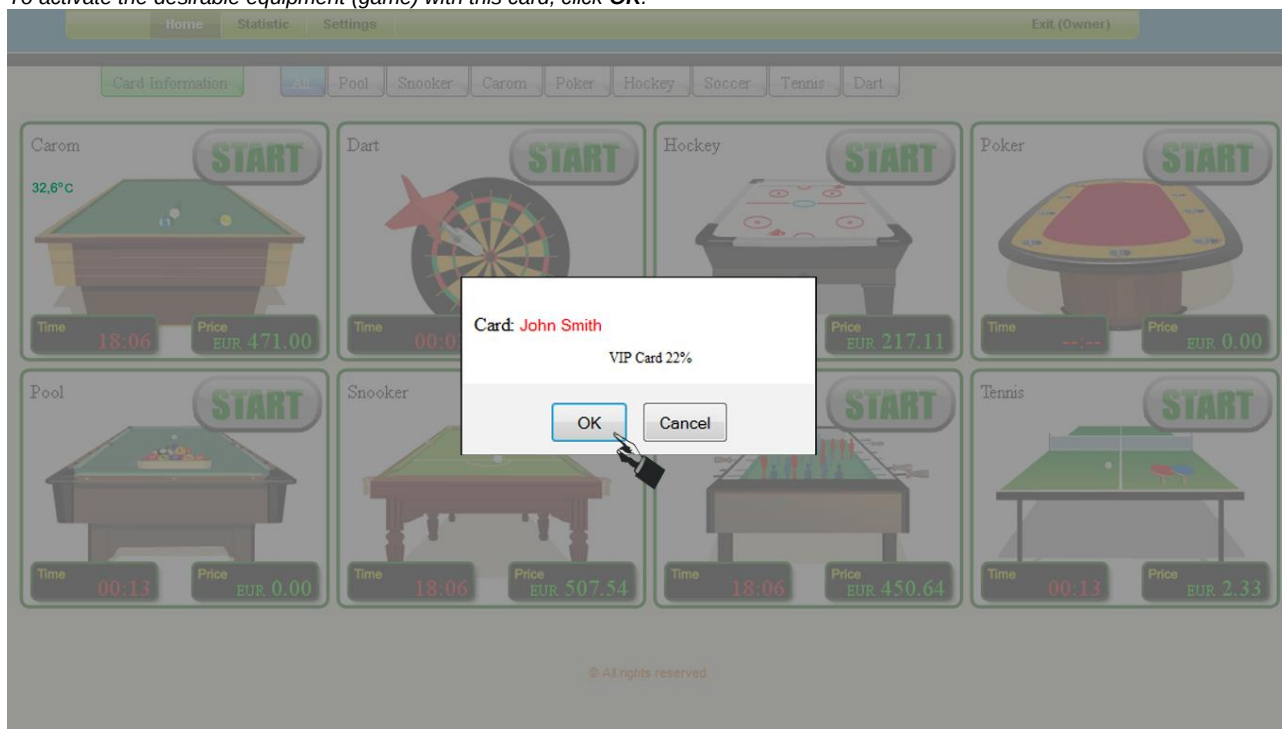
- 8.2 - Start a module by card

Choose **Home** menu.

- ✓ Place the card on the reader (**Card Reader**).
Move the mouse to the desirable window and click **START**.



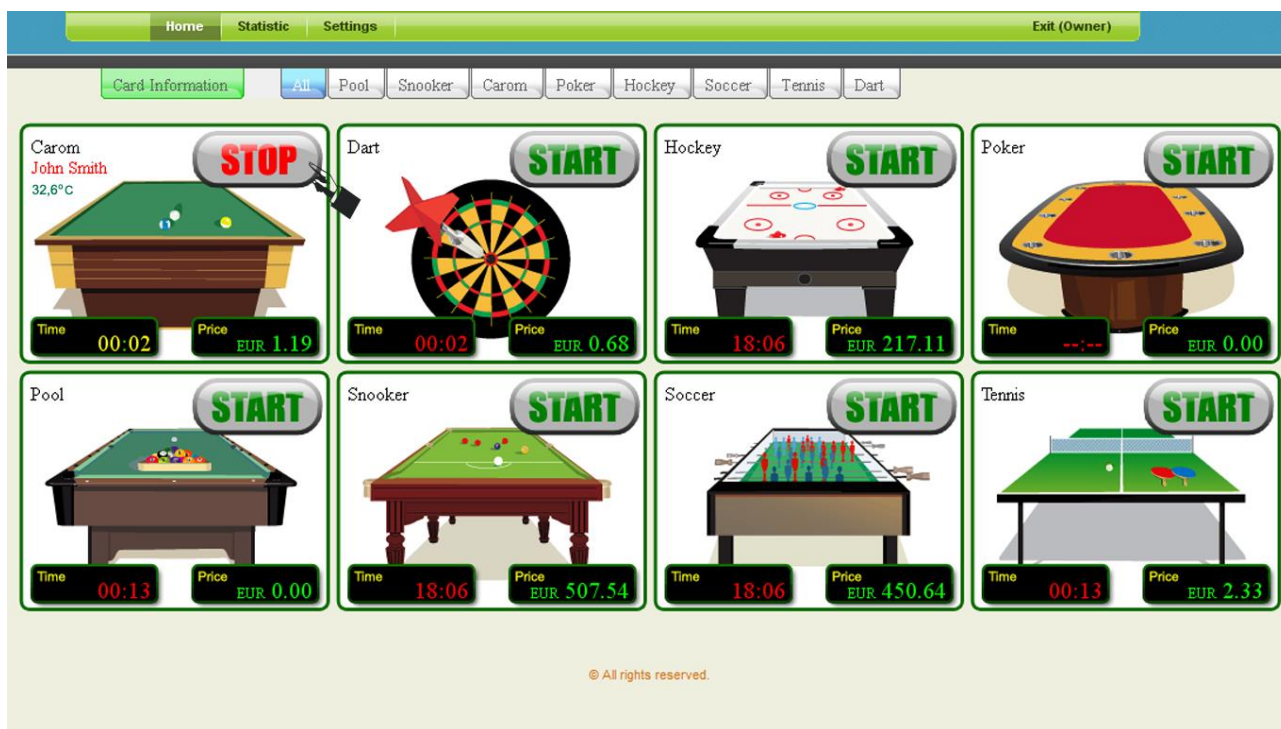
The screen will darken and a message with the card information will appear.
To activate the desirable equipment (game) with this card, click **OK**.



- 8.3 - Stop a module

Choose **Home** menu.

- ✓ Move the mouse to the desirable window and click **STOP**.

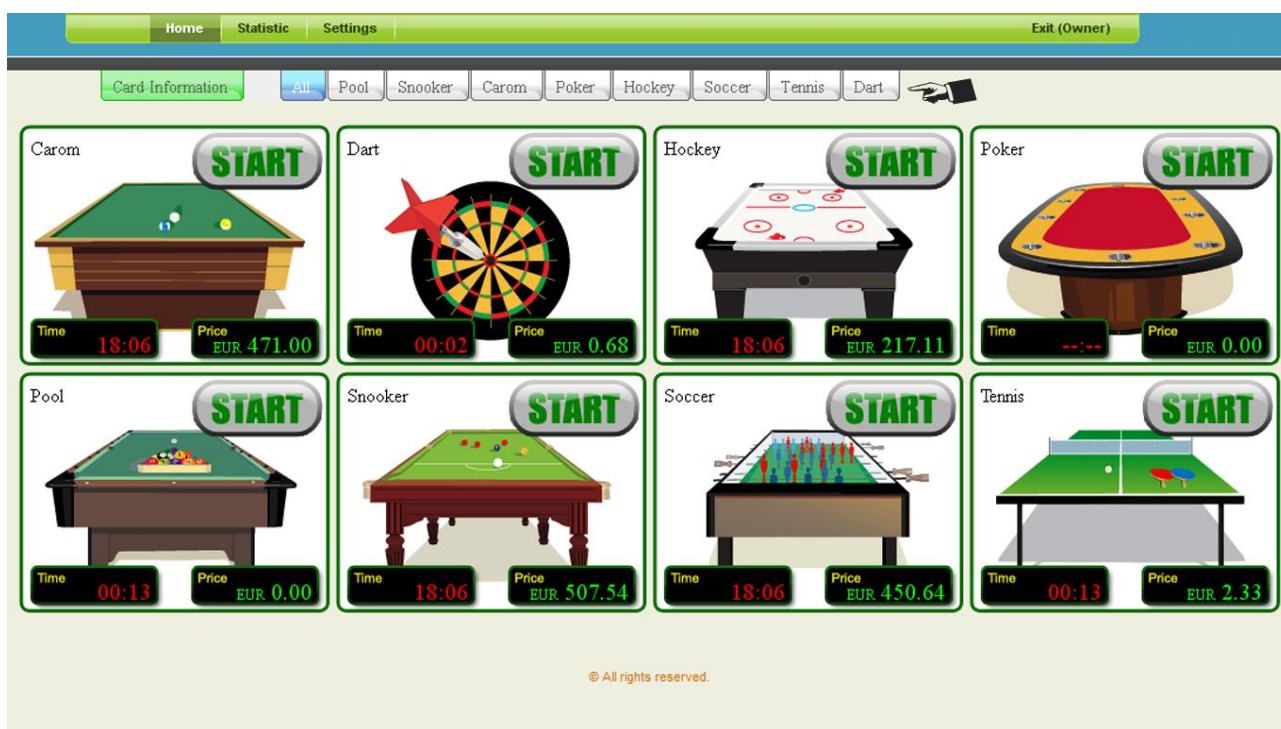


step 9: Surveillance the active equipment :

- 9.1 - Groups of equipment

Choose **Home** menu.

- ✓ When you choose a group of equipment (see 2.3), every one of them will appear as a sub-menu to the **Home** button. The program automatically will point the **All** button. In this way you can see all equipment (games) which are active at the moment.



- ✓ You can also surveillance the equipment (games) by groups. Choose another button from the sub-menu (for example **Pool**). In this way you will see all billiard tables which are active at the moment. Following the same sense you can surveillance all other groups **Snooker, Soccer, Tennis**



..... hot tub



.....sauna



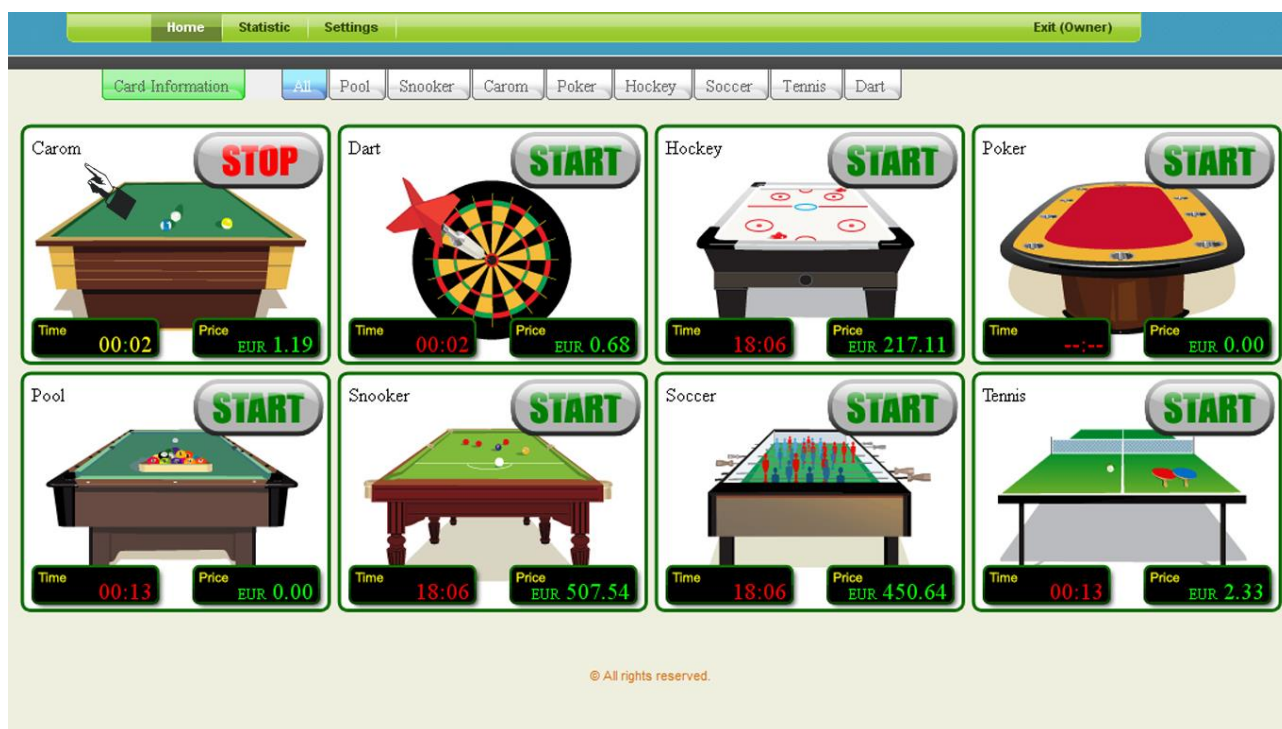
- 9.2 - The module's window and its information

Choose **Home** menu.

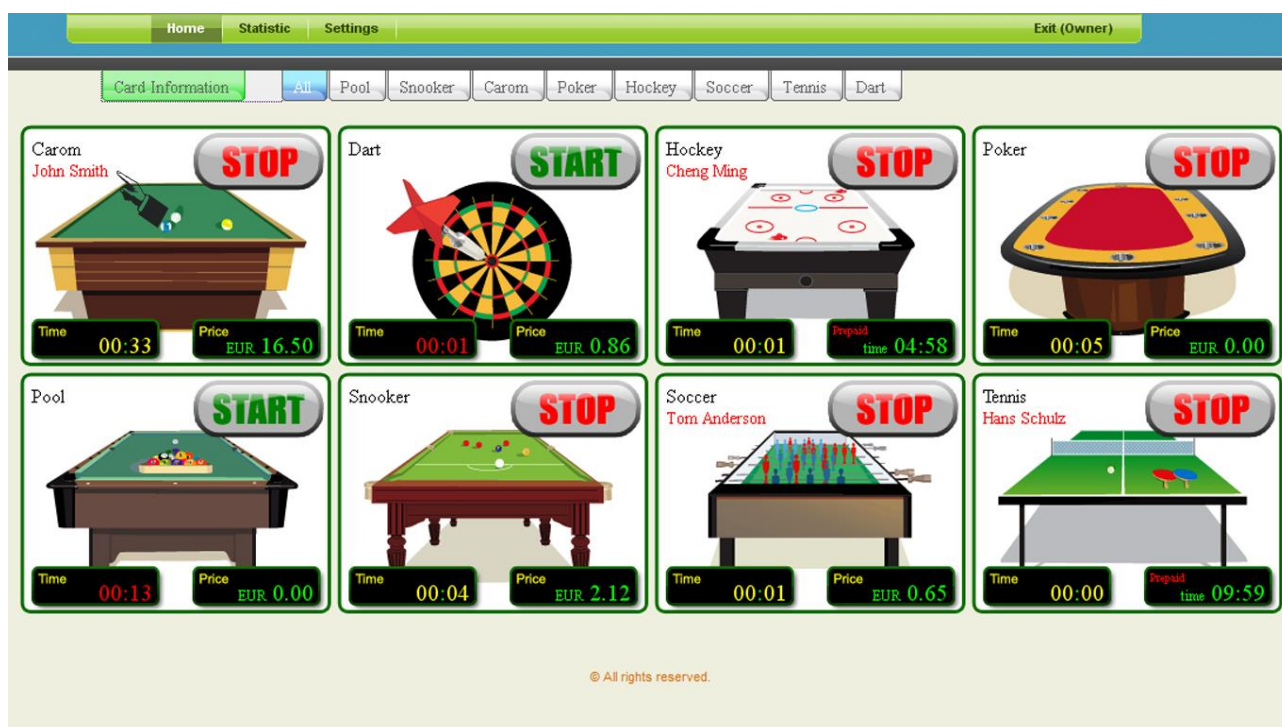
- ✓ Every module appears in certain window and shows the desirable equipment (see 2.3)



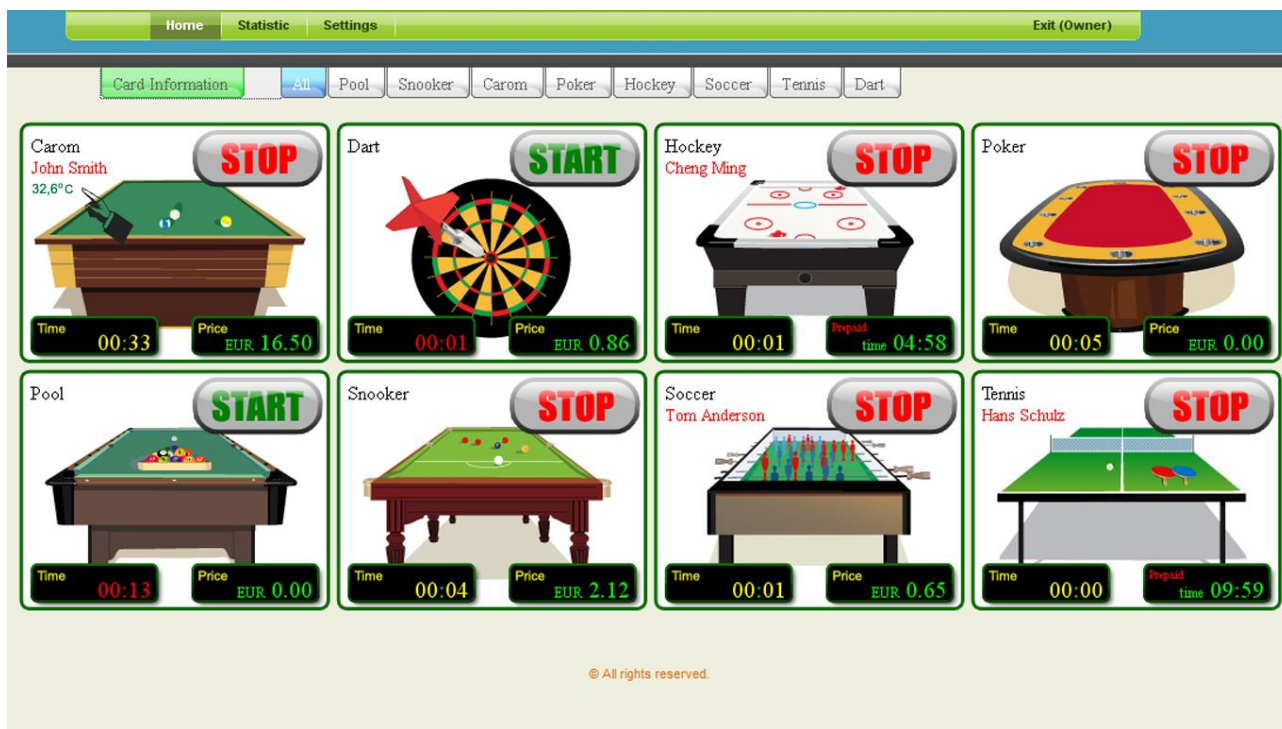
- ✓ In the upper left corner of the window, you will find the identification of the game.
This is the name which you have typed, in order to recognize the game (see 2.2)



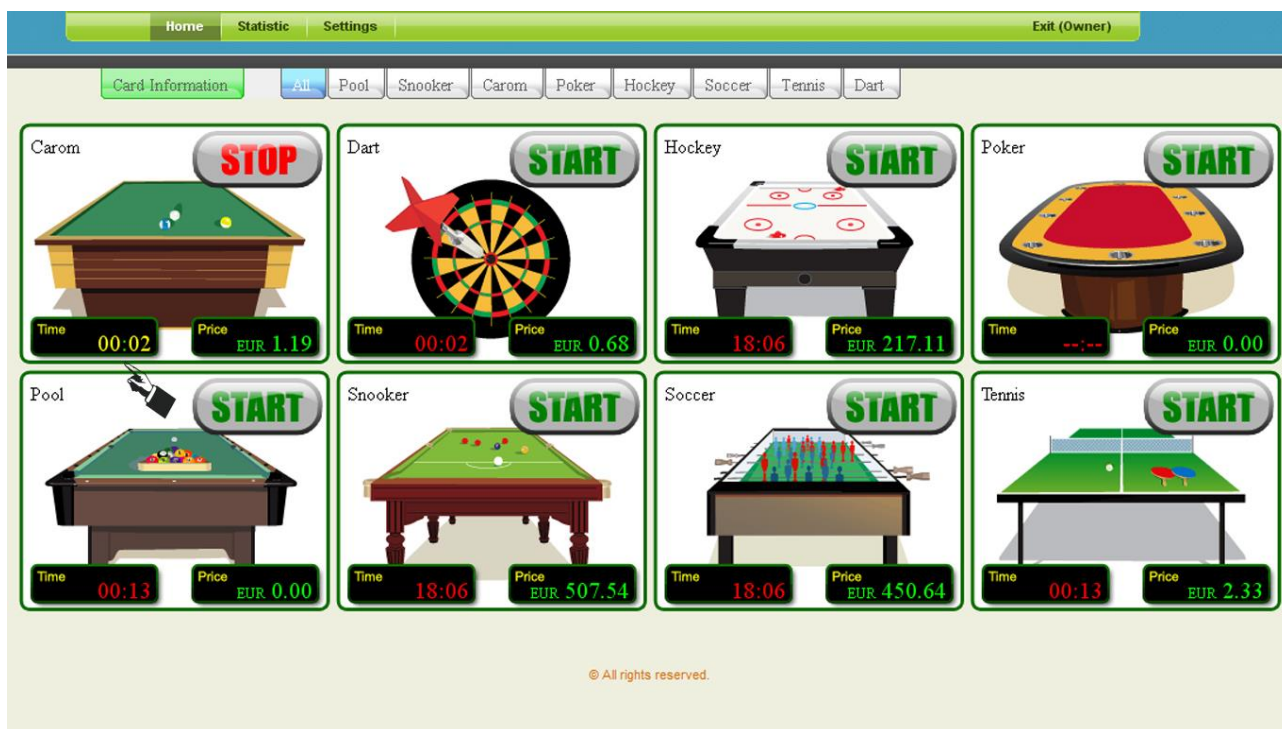
- ✓ Under it is the name of the client who is using it at the moment.
(Note: This function is possible only if the card is registered)



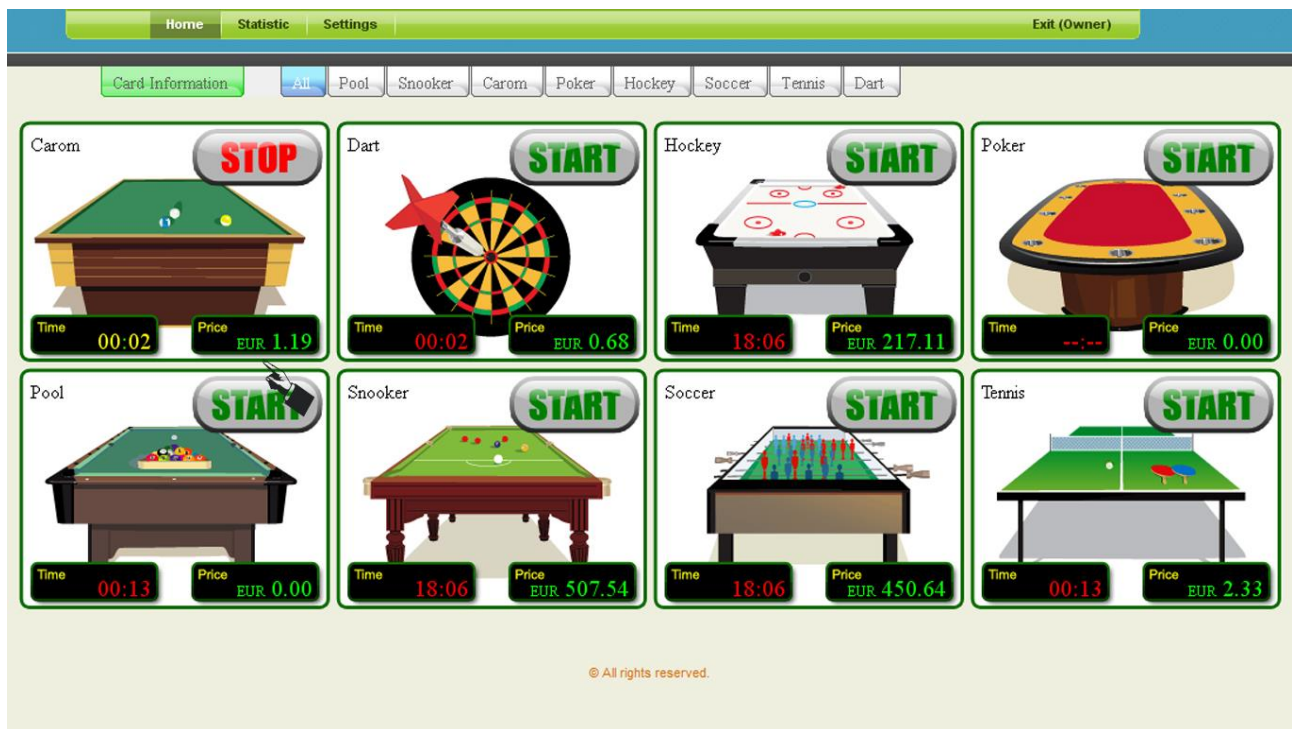
- ✓ If you are using **ABC MF Module (ABC Multifunctional Module)** you can also see the temperature of the hot tub, the sauna or the slate temperature of the carom tables.



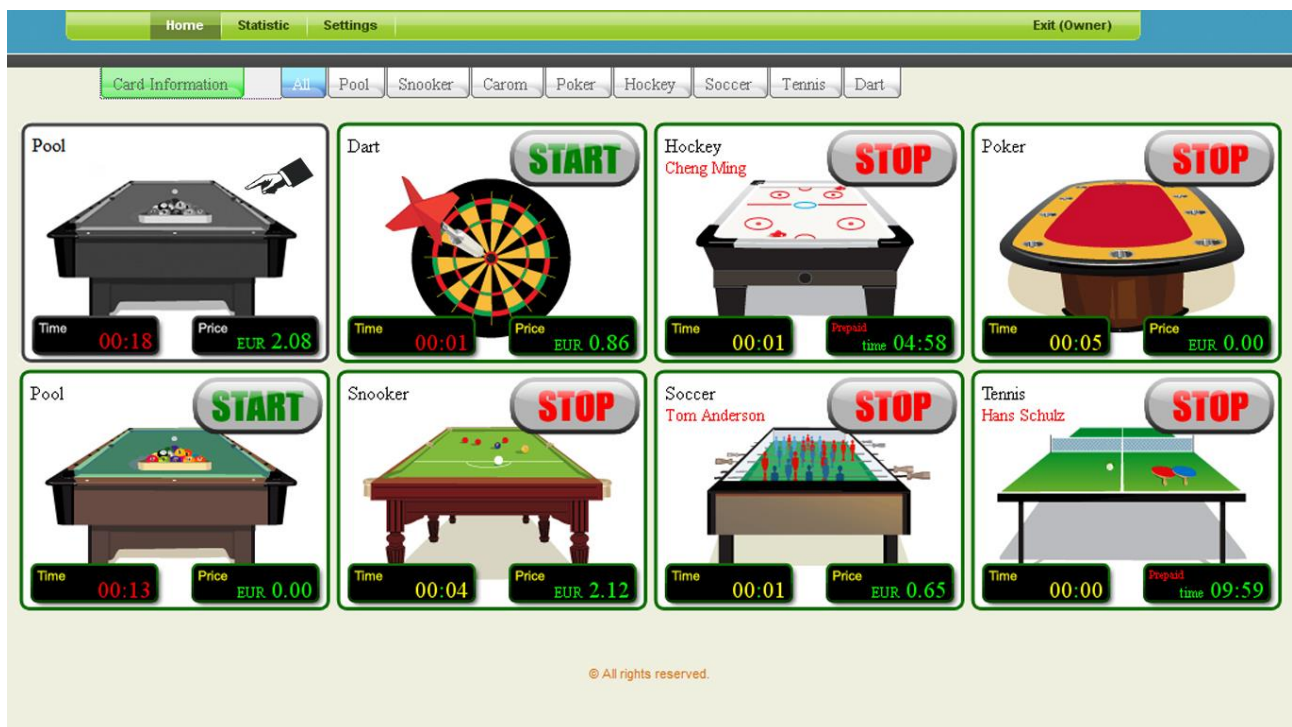
- ✓ In the down left corner is the information of the running time. If you are using a prepaid card, a sign **Elapsed Time** will appear.



- ✓ In the down right corner is the amount of money to be paid. If you are using a prepaid card, you will get information for the remaining prepaid time.



- ✓ If the window is black and white, the **ABC Module** is turned off or there is a problem with the connection to it. Even when there is a problem, the software is counting the time and the amount of money. When the connection is re-established the correct numbers will be displayed.



step 10: Control (check the statistic):

ABC System creates detailed statistic. It keeps track on all profits, card registrations and any changes made in any period of time. In this way, the owner of the system can surveillance the whole system and every single machine (game, light, electrical lockers, equipment, etc.) separately.

• 10.1 - Search by operators

Choose **Statistic** menu.

- ✓ From the drop-down **User** menu you can choose which operator you wish to check on. You can check all of them by clicking **All** or you can see each of them separately.

User	ID	Name	Card	Start	Stop	Duration	Sum
admin		Hockey		2012-05-04 09:42:28	2012-05-04 09:44:32	00:02:04	0.90
admin		Prepaid	0038654819050/Cheng Ming 05:00 Hours	2012-05-04 09:45:30			20.00
admin		Dart	0038654817996/John Smith 8%	2012-05-04 09:44:06	2012-05-04 09:45:49	00:01:43	0.86
Maria		Snooker		2012-05-04 09:43:20	2012-05-04 10:04:02	00:20:42	10.35
Udo		Soccer	0038654819284/Tom Anderson 12%	2012-05-04 09:45:54	2012-05-04 10:04:23	00:18:29	7.16
Ivan	ID_02020	Tennis	0004425085395/Hans Schulz 09:41 Hours	2012-05-04 09:46:36	2012-05-04 10:04:50	00:18:14	0.00
Natasha	ID_10027	Hockey	0038654819050/Cheng Ming 04:38 Hours	2012-05-04 09:45:43	2012-05-04 10:06:45	00:21:02	0.00
Harry	ID_10025	Carom		2012-05-04 09:14:34	2012-05-04 10:07:25	00:52:51	26.42
Harry	ID_02017	Poker		2012-05-04 09:42:16	2012-05-04 10:07:40	00:25:24	0.00
Total Sum:							65.69

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To activate the search, click **Filter**.

• 10.2 - Search by dates

Choose **Statistic** menu.

- ✓ From the **From** menu choose the start date of the period you wish to view and from the **To** menu choose the end date. You can also view the period by particular days and hours if you wish.

User	ID	Name	Card	Start	Stop	Duration	Sum
owner	ID_00010	Table 1	0000022222/Tom Anderson 25%	2011-08-10 11:19:59	2011-08-11 11:08:43	23:48:44	239.54
owner	ID_01010	Table 2	0000011112/Sheng Ming 8%	2011-08-10 11:20:06	2011-08-11 11:08:44	23:48:38	190.04
owner	ID_10105	Table 3	0000033333/John Smith 22%	2011-08-10 11:20:14	2011-08-11 11:08:45	23:48:31	233.94
owner	ID_00004	Table 4	0000033333/John Smith 22%	2011-08-10 11:20:23	2011-08-11 11:08:46	23:48:23	1065.82
owner	ID_00010	Table 1	0000022222/Tom Anderson 25%	2011-08-11 12:25:22	2011-08-11 12:25:23	00:00:01	0.00
owner	ID_01010	Table 2	0000033333/John Smith 22%	2011-08-11 12:25:25	2011-08-11 12:25:26	00:00:01	0.00
owner	ID_10105	Table 3	0000011112/Sheng Ming 8%	2011-08-11 12:25:28	2011-08-11 12:25:29	00:00:01	0.00
owner	ID_00004	Table 4	0000033333/John Smith 22%	2011-08-11 12:25:32	2011-08-11 12:25:32	00:00:00	0.00
owner	ID_00010	Table 1	0000022222/Tom Anderson 25%	2011-08-11 12:28:17	2011-08-11 12:28:19	00:00:02	0.00
owner	ID_10105	Table 3	0000011112/Sheng Ming 8%	2011-08-11 12:29:04	2011-08-11 12:29:06	00:00:02	0.01
owner	ID_01010	Table 2	0000033333/John Smith 22%	2011-08-11 12:28:31	2011-08-11 12:29:14	00:00:43	0.09
owner	ID_01010	Table 2	0000033333/John Smith 22%	2011-08-11 12:29:25	2011-08-11 12:29:27	00:00:02	0.00
owner	ID_10105	Table 3	0000011112/Sheng Ming 8%	2011-08-11 12:38:01	2011-08-11 12:38:03	00:00:02	0.01

Home Statistic Settings Exit (Owner)

User: All From: 2012-05-03 10:10 To: Card: All Filter

User	ID	Name	Start	Stop	Duration	Sum
admin	ID_10027	Hockey	2012-05-04 09:42:28	2012-05-04 09:44:32	00:02:04	0.90
admin	Card	Prepaied 0038654819050/Cheng Ming 0	2012-05-04 09:45:30			20.00
admin	ID_10030	Dart 0038654817996/John Smith 8%	2012-05-04 09:44:06	2012-05-04 09:45:49	00:01:43	0.86
Maria	ID_10026	Snooker	2012-05-04 09:43:20	2012-05-04 10:04:02	00:20:42	10.35
Udo	ID_10029	Soccer 0038654819284/Tom Anderson 12%	2012-05-04 09:45:54	2012-05-04 10:04:23	00:18:29	7.16
Ivan	ID_02020	Tennis 0004425085395/Hans Schulz 09:41 Hours	2012-05-04 09:46:36	2012-05-04 10:04:50	00:18:14	0.00
Natasha	ID_10027	Hockey 0038654819050/Cheng Ming 04:38 Hours	2012-05-04 09:45:43	2012-05-04 10:06:45	00:21:02	0.00
Harry	ID_10025	Carom	2012-05-04 09:14:34	2012-05-04 10:07:25	00:52:51	26.42
Harry	ID_02017	Poker	2012-05-04 09:42:16	2012-05-04 10:07:40	00:25:24	0.00
Total Sum:						65.69

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To activate the search, click **Filter**.

10.3 - Search by client cards

Choose **Statistic** menu

- ✓ If you wish to see the statistic of a client's card, choose his/her name from the drop-down menu **Card**.

Home Statistic Settings Exit (Owner)

User: All From: 2012-05-03 10:10 To: 2012-05-04 10:10 Card: All Filter

User	ID	Name	Card	Start	Stop	Duration	Sum
admin	ID_10027	Hockey		2012-05-04 09:42:28	2012-05-04 09:44:32	00:02:04	0.90
admin	Card	Prepaied 0038654819050/Cheng Ming 05:00 Hours		2012-05-04 09:45:30			20.00
admin	ID_10030	Dart 0038654817996/John Smith 8%		2012-05-04 09:44:06	2012-05-04 09:45:49	00:01:43	0.86
Maria	ID_10026	Snooker		2012-05-04 09:43:20	2012-05-04 10:04:02	00:20:42	10.35
Udo	ID_10029	Soccer 0038654819284/Tom Anderson 12%		2012-05-04 09:45:54	2012-05-04 10:04:23	00:18:29	7.16
Ivan	ID_02020	Tennis 0004425085395/Hans Schulz 09:41 Hours		2012-05-04 09:46:36	2012-05-04 10:04:50	00:18:14	0.00
Natasha	ID_10027	Hockey 0038654819050/Cheng Ming 04:38 Hours		2012-05-04 09:45:43	2012-05-04 10:06:45	00:21:02	0.00
Harry	ID_10025	Carom		2012-05-04 09:14:34	2012-05-04 10:07:25	00:52:51	26.42
Harry	ID_02017	Poker		2012-05-04 09:42:16	2012-05-04 10:07:40	00:25:24	0.00
Total Sum:						65.69	

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To activate the search, click **Filter**.

- **10.4 - Table of content of the statistics table**

Choose **Statistic** menu

- ✓ After you activate particular statistic, you will receive a table with results.

User	ID	Name	Card	Start	Stop	Duration	Sum
admin	ID_10030	Dart	0038654817996/John Smith 8%	2012-05-04 09:44:06	2012-05-04 09:45:49	00:01:43	0.86

Agenda:

User: Shows which operator took the action

ID: Shows the unique module number

Name: Shows the name of the module

Card: Shows the number, the name of the owner, the discount percentage or the remaining prepaid hours

Start: Shows the date and the time when the module was activated

Stop: Shows the date and time when the module was stopped

Duration: Shows the working time of the module

Sum: Shows the amount which was paid to the operator

Step 11: Software update:

You can download the latest version of the program from our website www.abcsys.eu

From the **Settings** menu, choose **Update**

- ✓ In this way you will activate the update window. Choose the location of the file and start the action by clicking **Update**.

➤ **Important!**

Update the program **only** after all equipment (games) is turned off by clicking **STOP!**

- **Attention:**

If you have any questions regarding the system, please call your local dealer or contact us on www.67tools.com Here you will find all instruction files, the latest update of the software **ABC System** and more information about the products from **BullDog Technology** range.