

SL System

(Smart Locking System)

Smart Locking System (SLS) - system which controls electrical mechanisms. This innovation will help you control any mechanism through your computer. The software gives you the opportunity to set up, delete, edit, block and follow up the statistic of all 512 users. It has two levels of access – housekeeper and consultant.

1. Structure of the system:

Smart Locking System contains the following elements:



SLS server



RFID reader



Locking mechanism



Battery



RF card

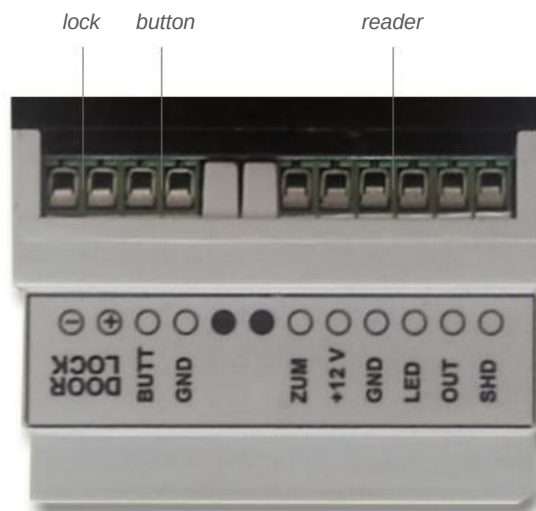
- **SLS server** - with its implemented software it gives you the ability of setting up the system through a computer.

(pic 1)

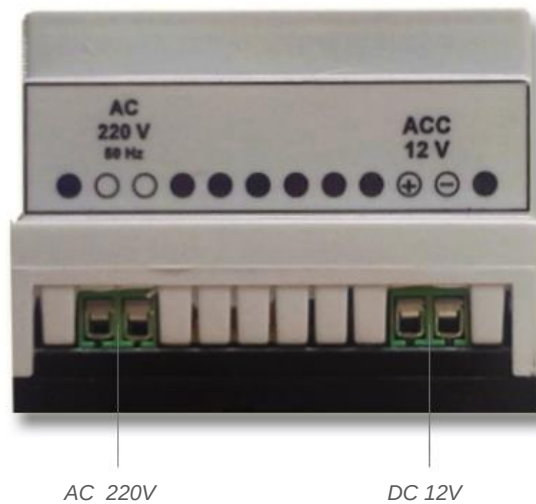
view: **front**



view: **top**



view: **underneath**



- **RFID Reader** - setting up, registering or recognizing of the locks (RF cards 125 kHz).

(pic 2)

Reader with **LED** indication



(pic 3)

Universal reader with **LED** and sound indication



- **Locking Mechanism** - the system works with all different electrical locks, electrical magnets etc.

(pic 4)

door strike electrical magnet electrical lock



- **Battery** - DC 12V supports the system if the electricity goes down from 220V.

(pic 5)



- **RFID Cards** - works to recognize or input users data in the system.

(pic 6)

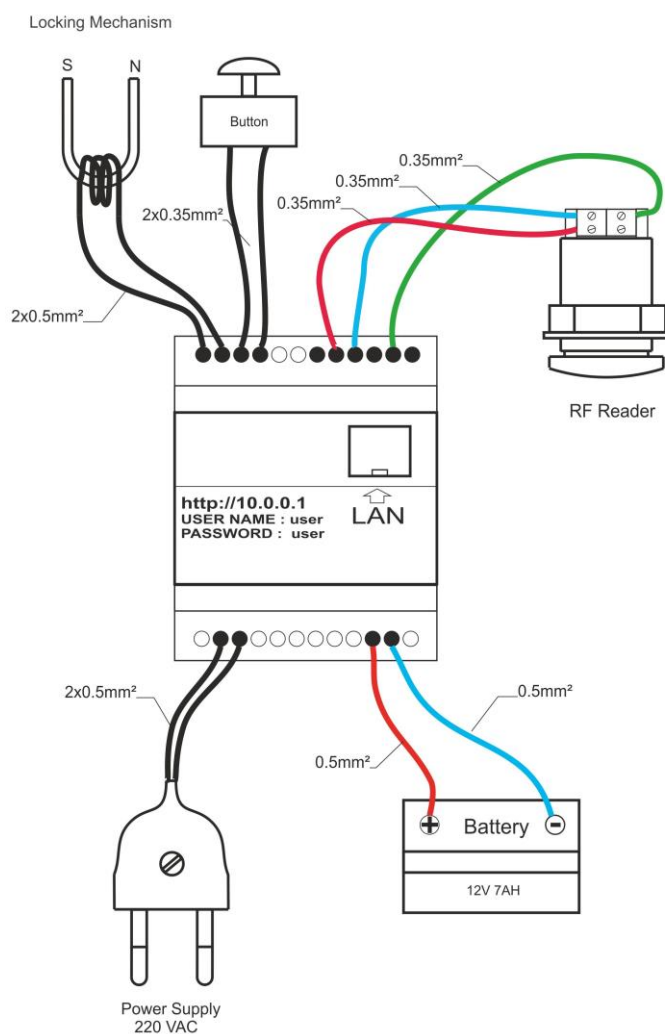
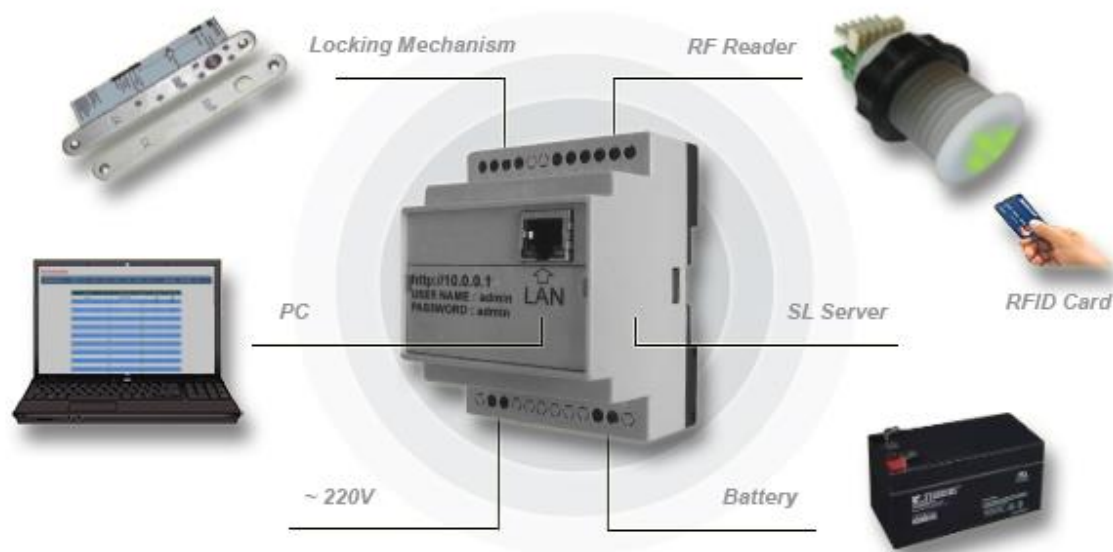


2. Connection:

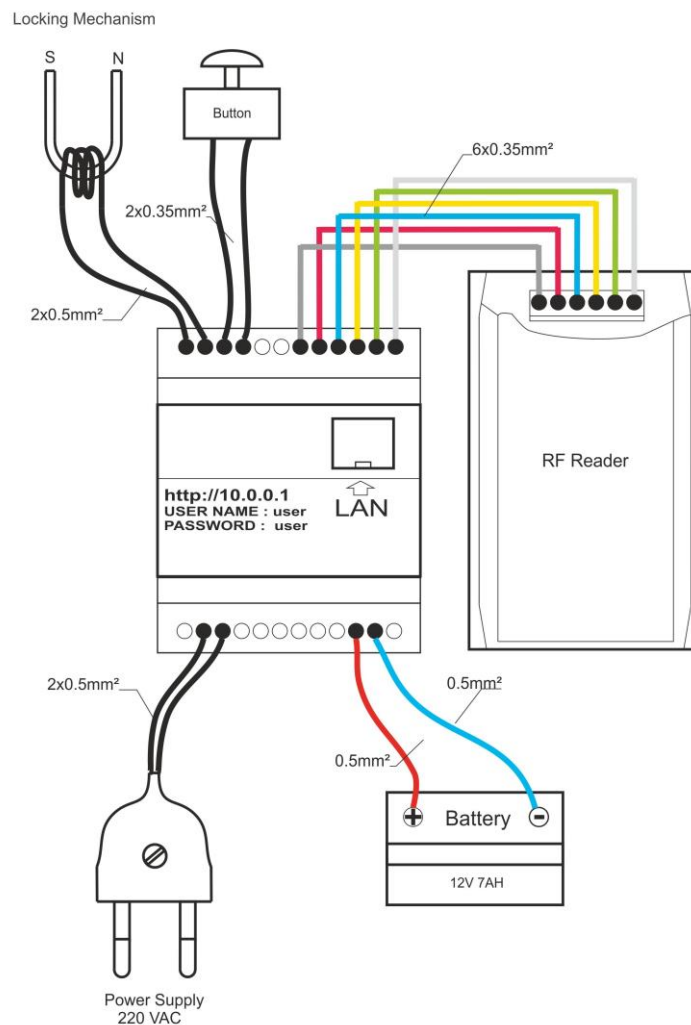
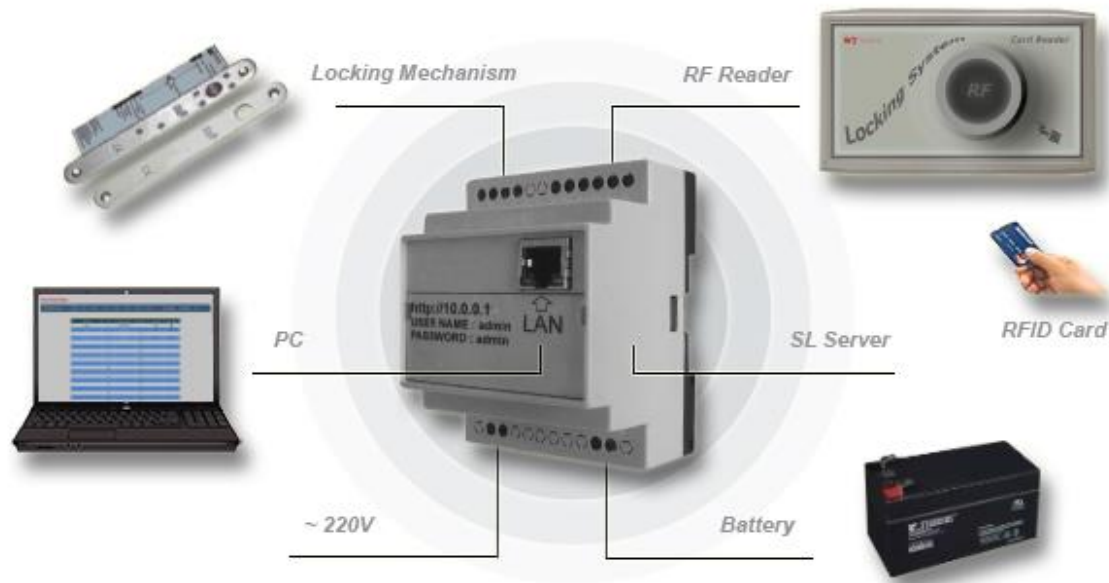
✓ General table:

table 1

Connect the system with a compact reader without sound indication.



Connect the system with a universal reader with sound indication.



3. Manual Instruction:

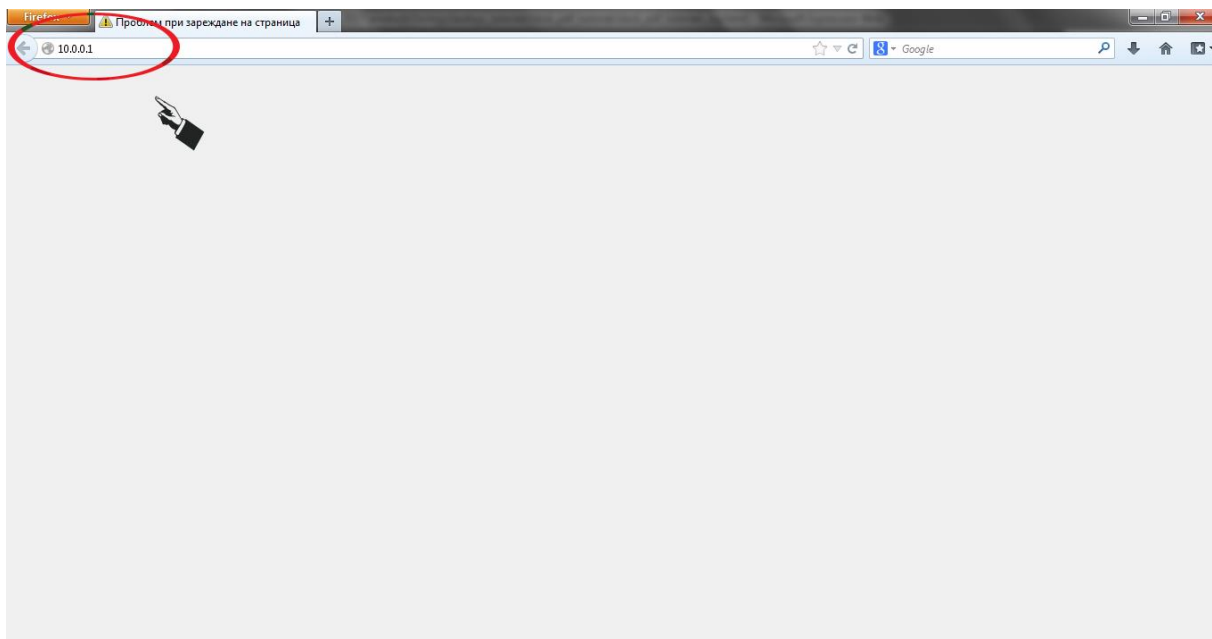
⇒ Step 1: Turning on the system

There are two ways to connect the system to your computer.

- 1.1 - Direct connection
 - a) connect all elements of the system as shown on one of the tables above.
 - b) the connection between your computer and the **SLS server** must be done with a standard LAN cable.

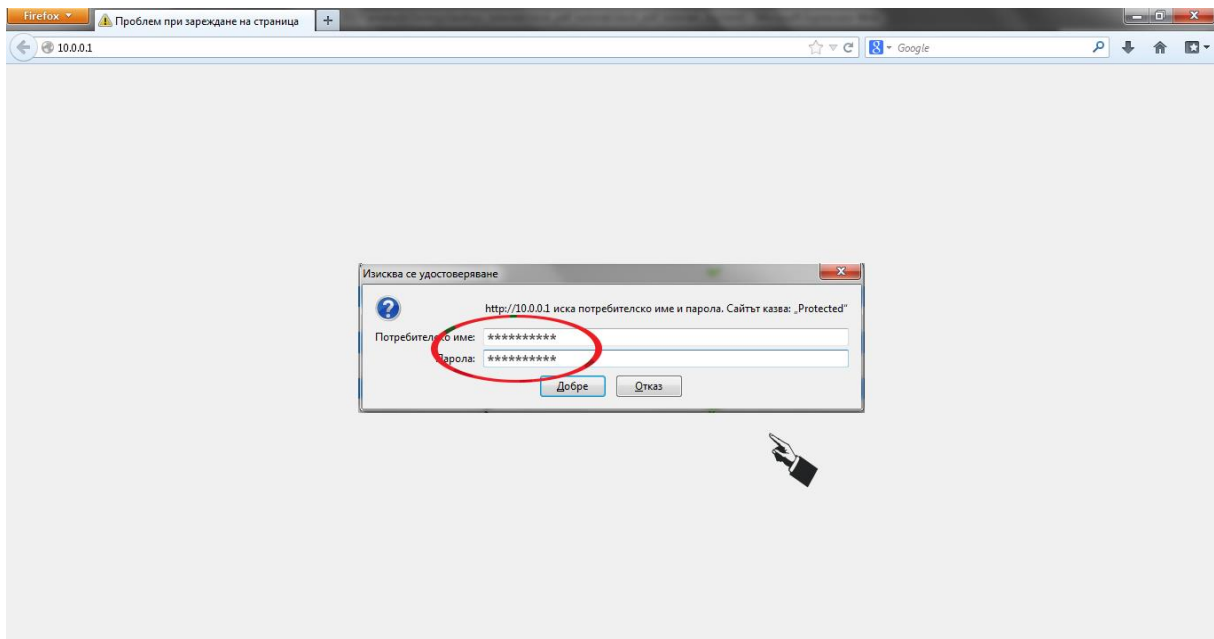


- c) start your internet browser (Firefox, Chrome, Opera) and in the address window, write **http://10.0.0.1**



d) after the **Smart Locking System** is found you have to write your username and password for access.

Write down the username and the password, which you will receive when you purchase your **Smart Locking System**:

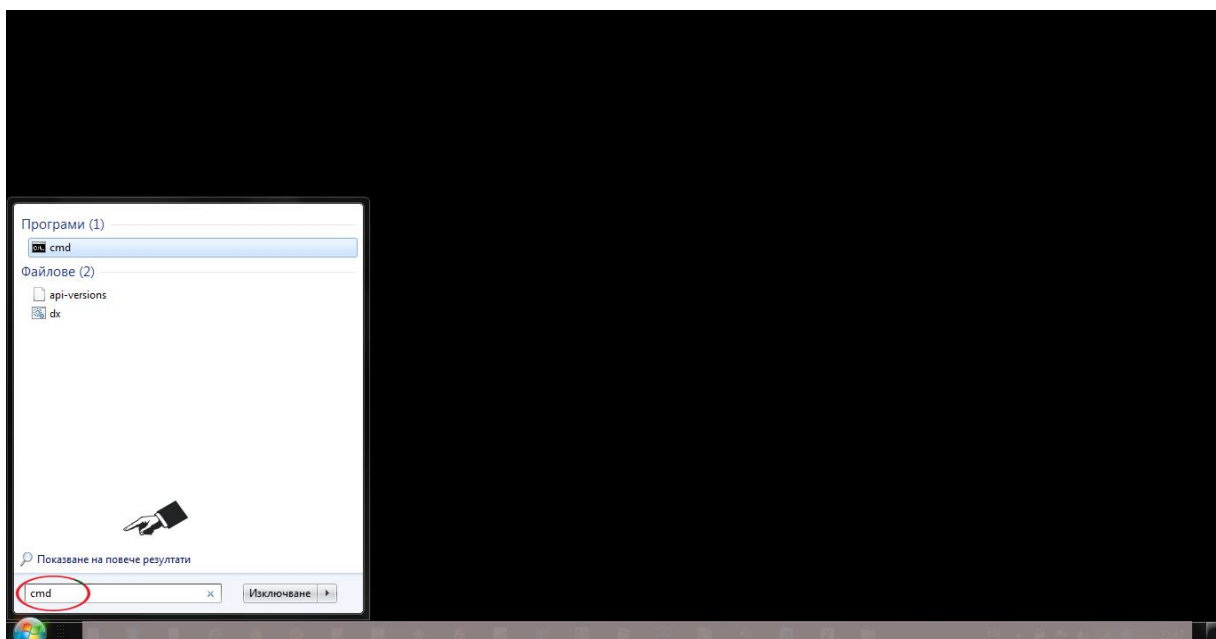


To access the system please click, **OK**.

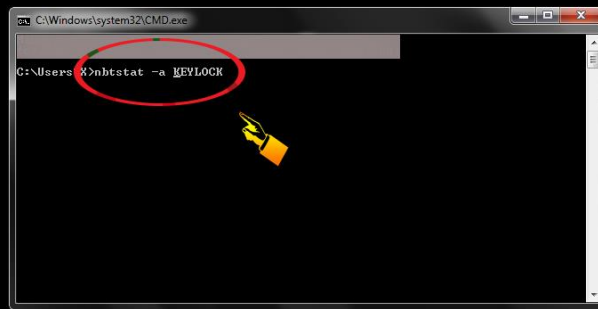
- **1.2 - Connect to a local network**

a) open the **Start** menu

b) in the search field, type in, **cmd** and press, **ENTER**.

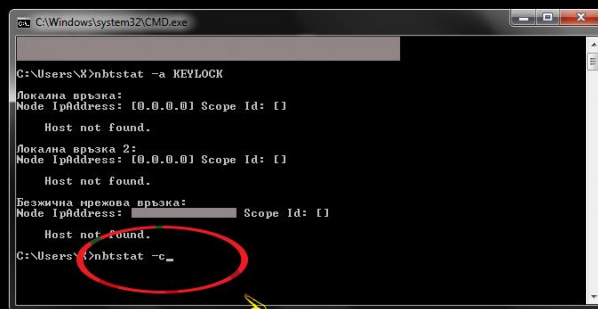


c) in the already open widow write down, **nbtstat -a KEYLOCK** and press, **ENTER**.



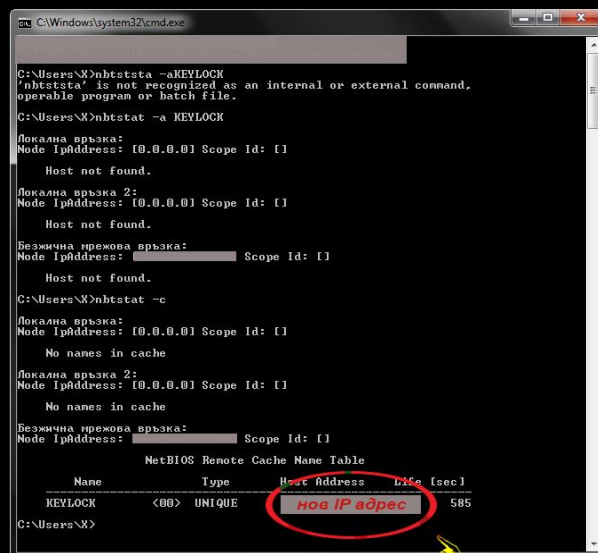
```
C:\Windows\system32\CMD.exe
C:\Users\X>nbtstat -a KEYLOCK
```

d) afterwards type in, **nbtstat -c** and press, **ENTER**.



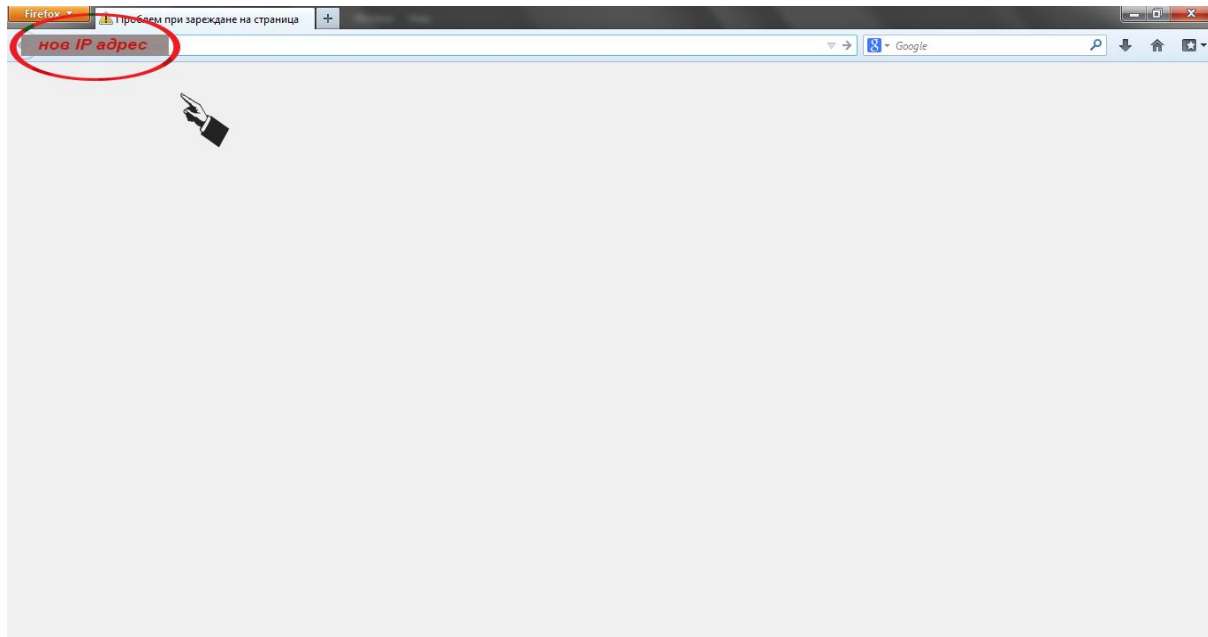
```
C:\Windows\system32\CMD.exe
C:\Users\X>nbtstat -a KEYLOCK
Локална връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
Локална връзка 2:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
Безжична мрежова връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
C:\Users\X>nbtstat -c
```

e) **Smart Locking System** is now found and it has a **new IP address**.



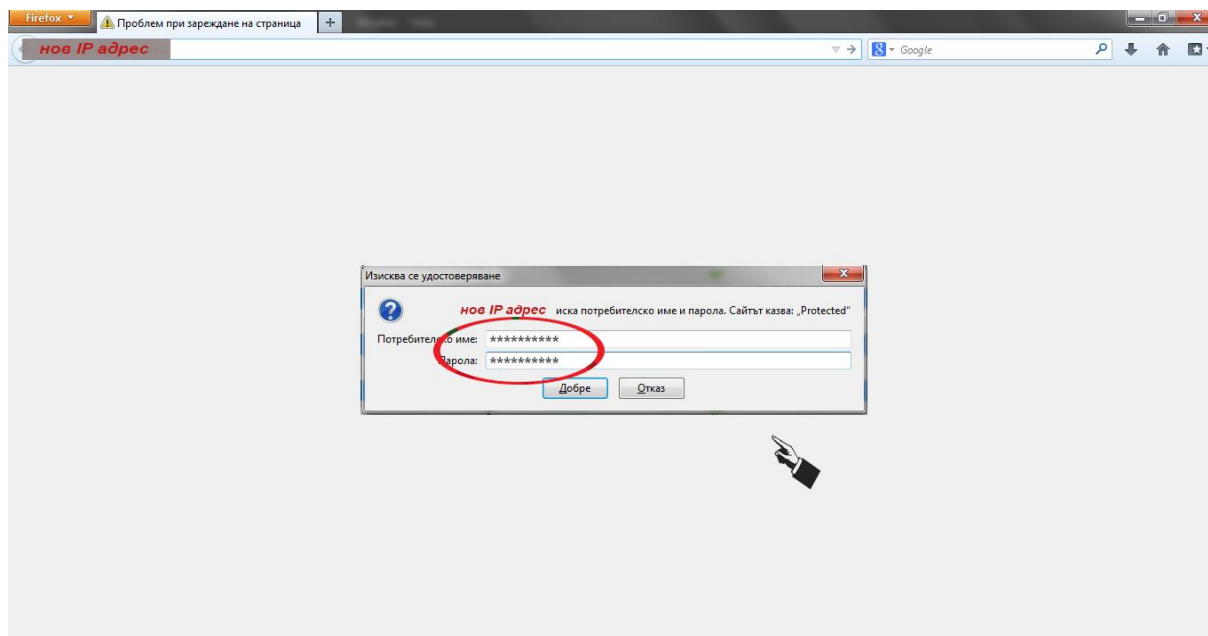
```
C:\Windows\system32\cmd.exe
C:\Users\X>nbtststa -a KEYLOCK
'nbtststa' is not recognized as an internal or external command,
operable program or batch file.
C:\Users\X>nbtstat -a KEYLOCK
Локална връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
Локална връзка 2:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
Безжична мрежова връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
Host not found.
C:\Users\X>nbtstat -c
Локална връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
No names in cache
Локална връзка 2:
Node IpAddress: [0.0.0.0] Scope Id: []
No names in cache
Безжична мрежова връзка:
Node IpAddress: [0.0.0.0] Scope Id: []
NetBIOS Remote Cache Name Table
Name Type Host Address Life (sec)
KEYLOCK <00> UNIQUE Нова IP адрес 585
C:\Users\X>
```

f) - start your internet browser (Firefox, Chrome, Opera) and in the search field type in your **new IP address**.



g) **Smart Locking System** will ask you to write down your username and password for access.

Write down the username and the password, which you will receive when you purchase your system:

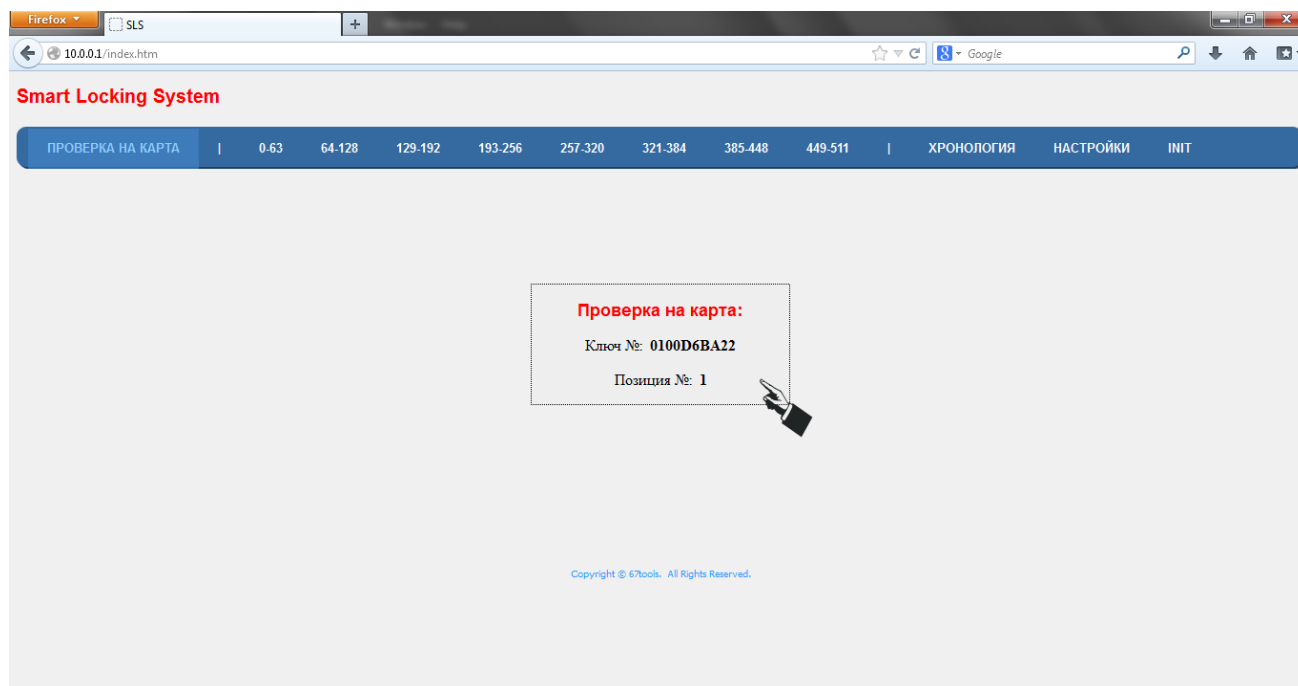


To access the system, click **OK**.

⇒ step 2: Card check (tag)

From the main menu, choose **Card Check**.

- ✓ A window will appear in the middle of your screen. Place the card on to the reader.

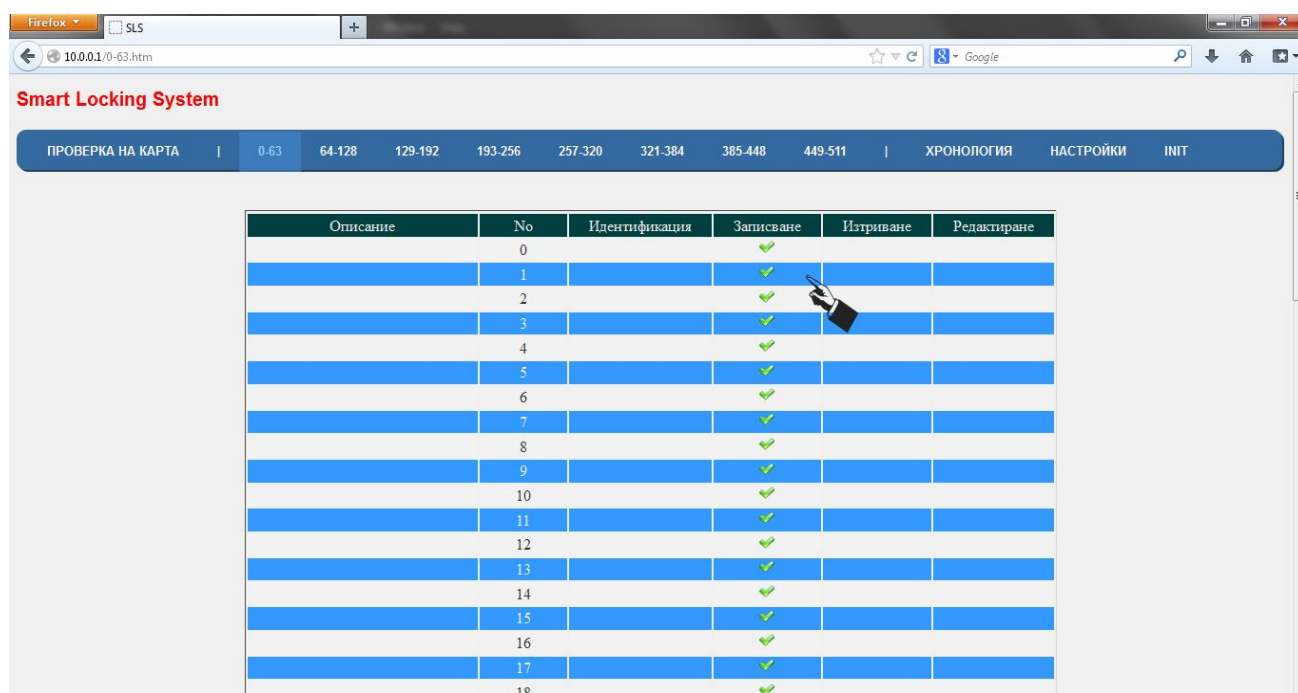


⇒ step 3: Settings regarding the user's profile.

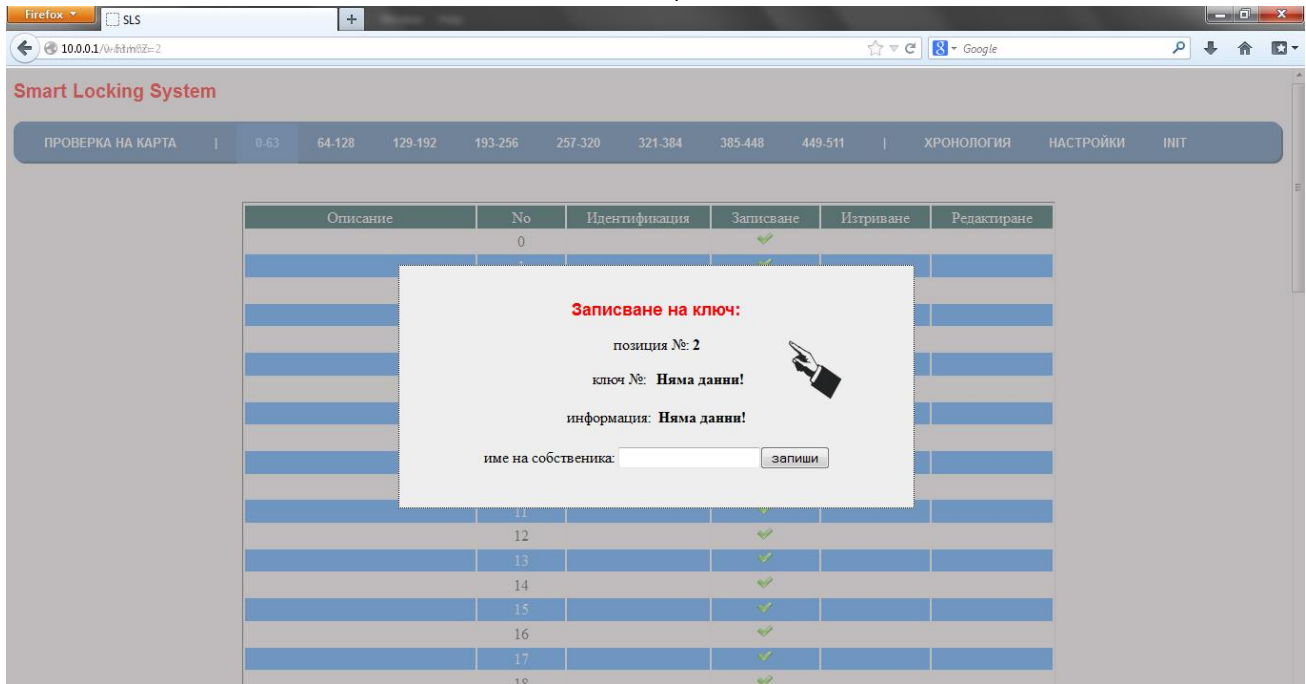
You have eight pages in your main menu (**0-63**, **64-128**, **129-192**, **193-256**... etc.) for adding, deleting or changing the users data. Every page has 64 rows which will allow you to save up to 512 users, including their names and the numbers of their personal key.

• 3.1 - Add a user

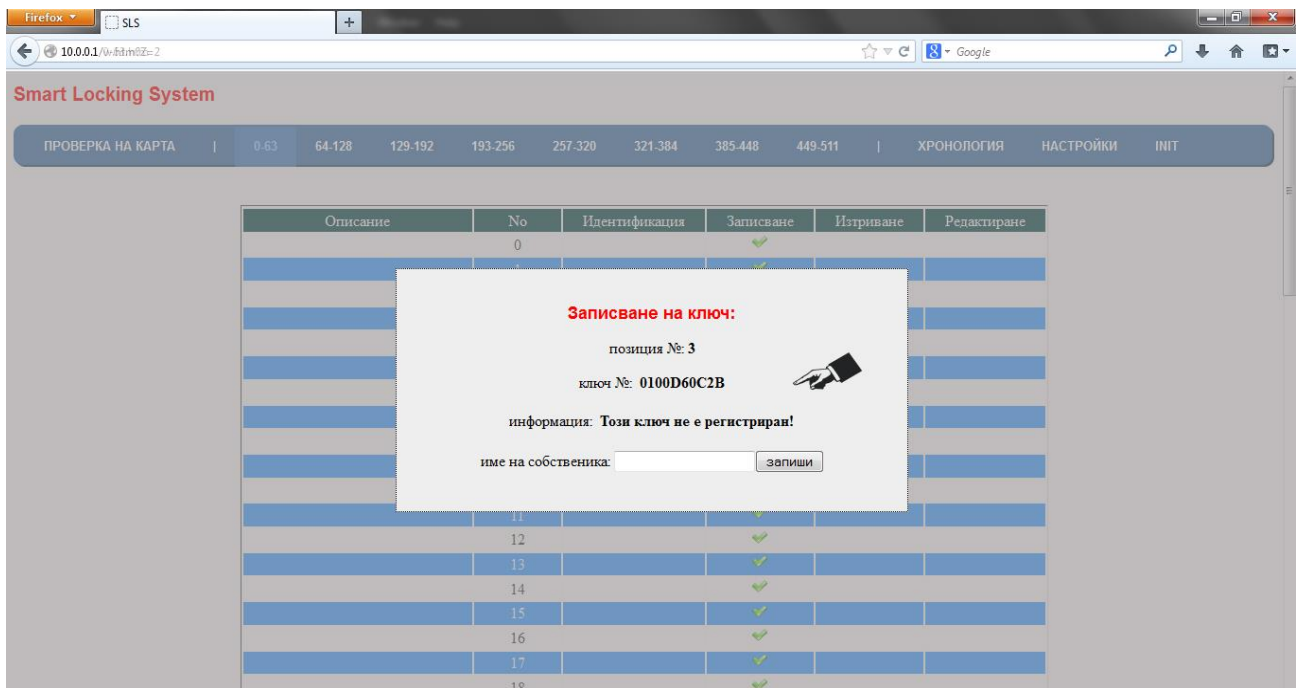
- ✓ From the main menu choose one of the pages, for example **0-63**.
On every free to sign in row you will see this icon  (sign in). Click on the icon to begin the sign in process.



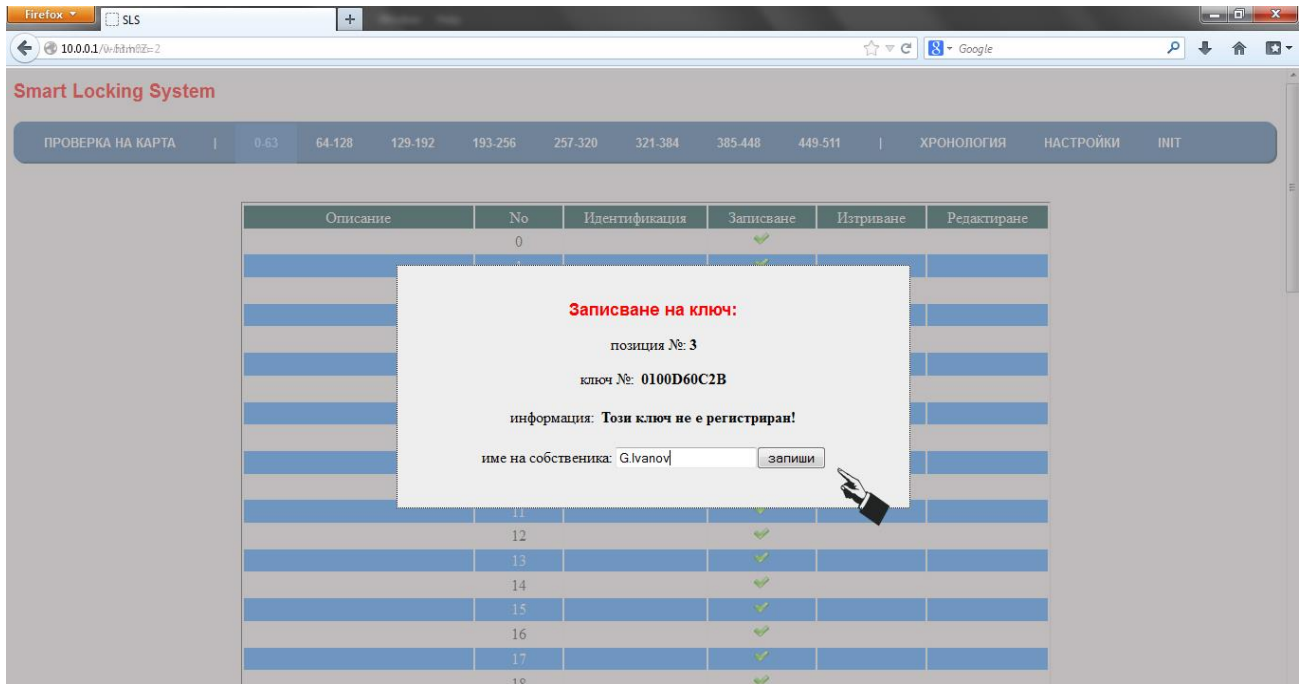
- ✓ The fields 'key No' and 'information' are empty.



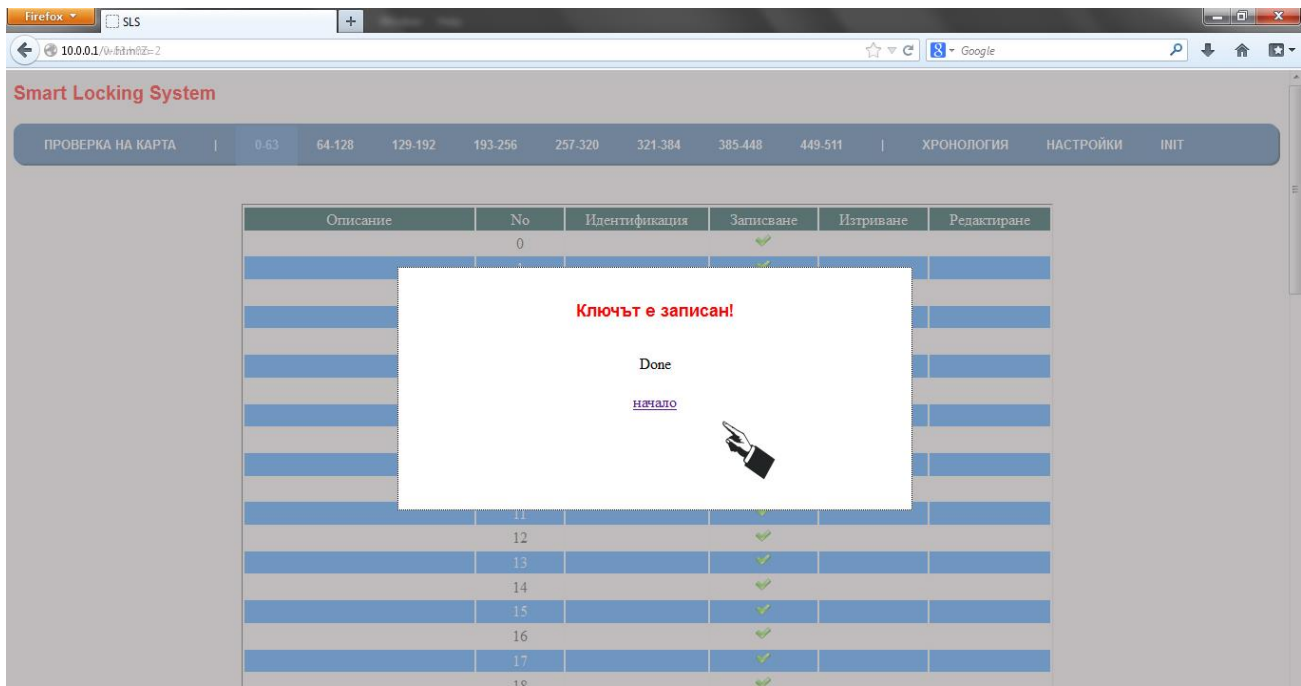
- ✓ Place the card (tag) on the reader.



- ✓ In the field 'owner' type in the name of the card owner. Max. 10 symbols. To save the data, click on **SAVE**.



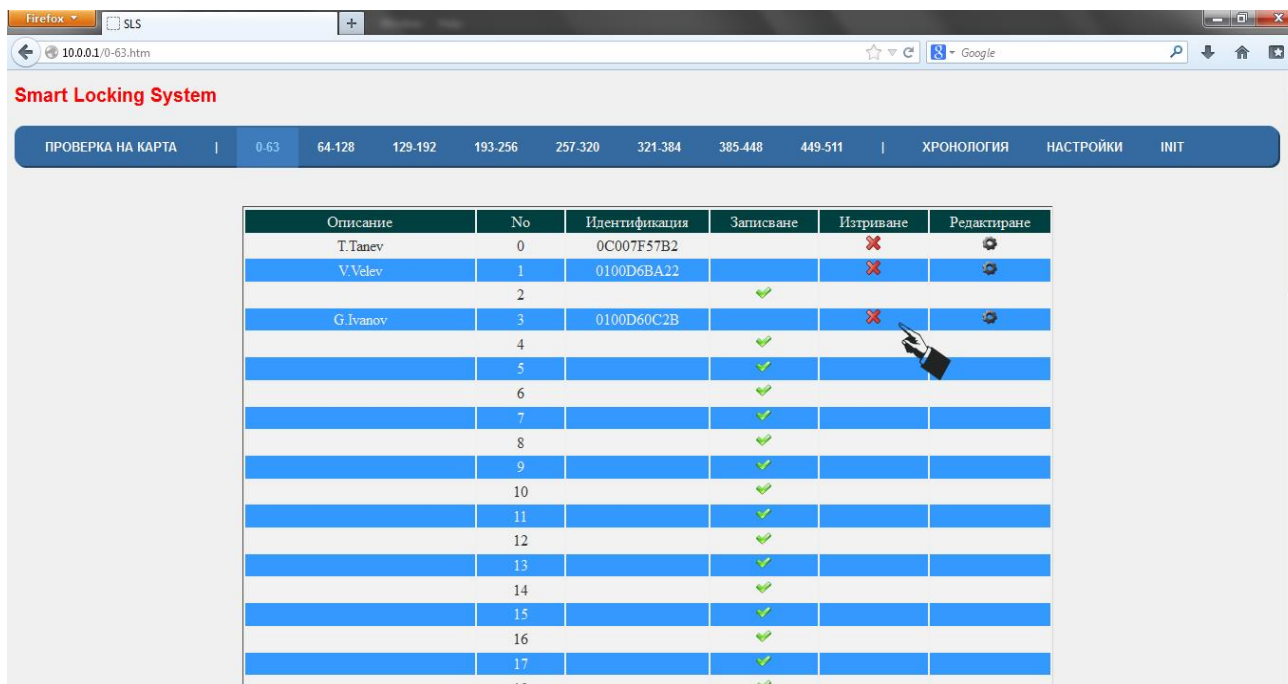
- ✓ The information is now saved in the database!



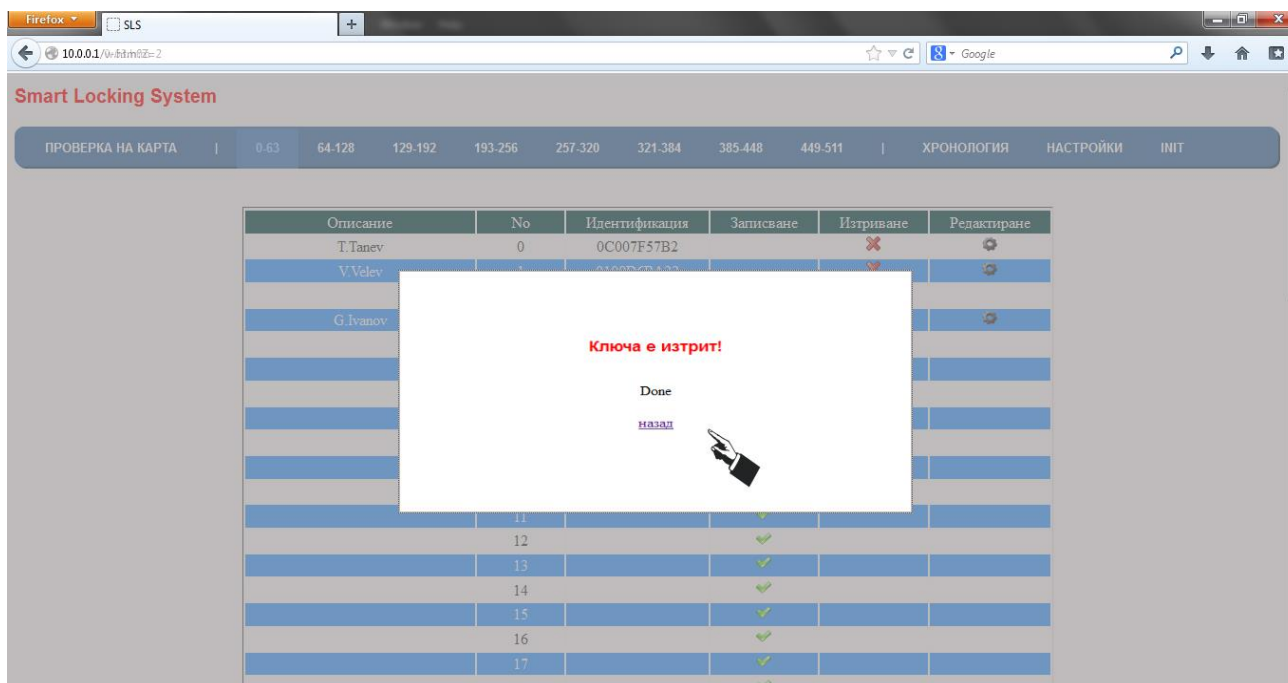
Press **HOME** to return to the main menu.

3.2 - Delete user

- ✓ From the row of the user you wish to delete click on  icon (delete).
Click once on the icon if you wish to delete this user.



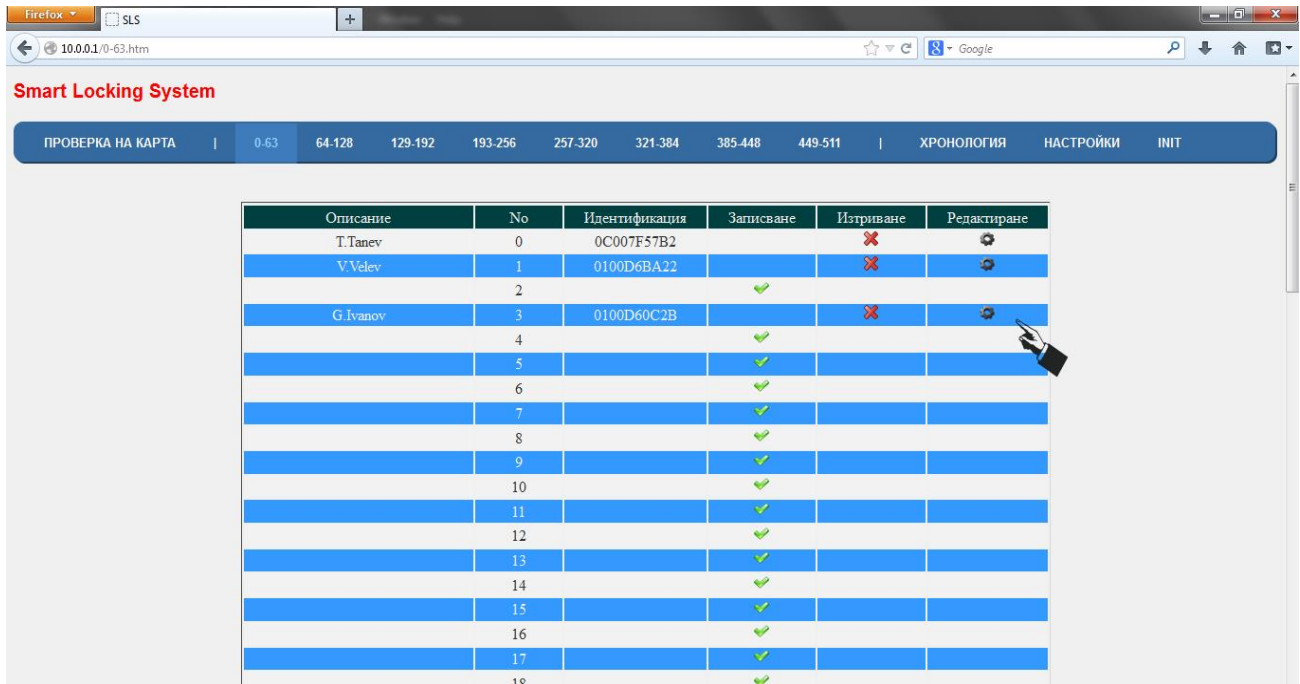
- ✓ The user has been deleted!



Press **BACK** to return to the main menu.

3.3 - Edit User

- ✓ From the row of the user you wish to edit press the  icon (edit).
Press this icon to begin the edit process.

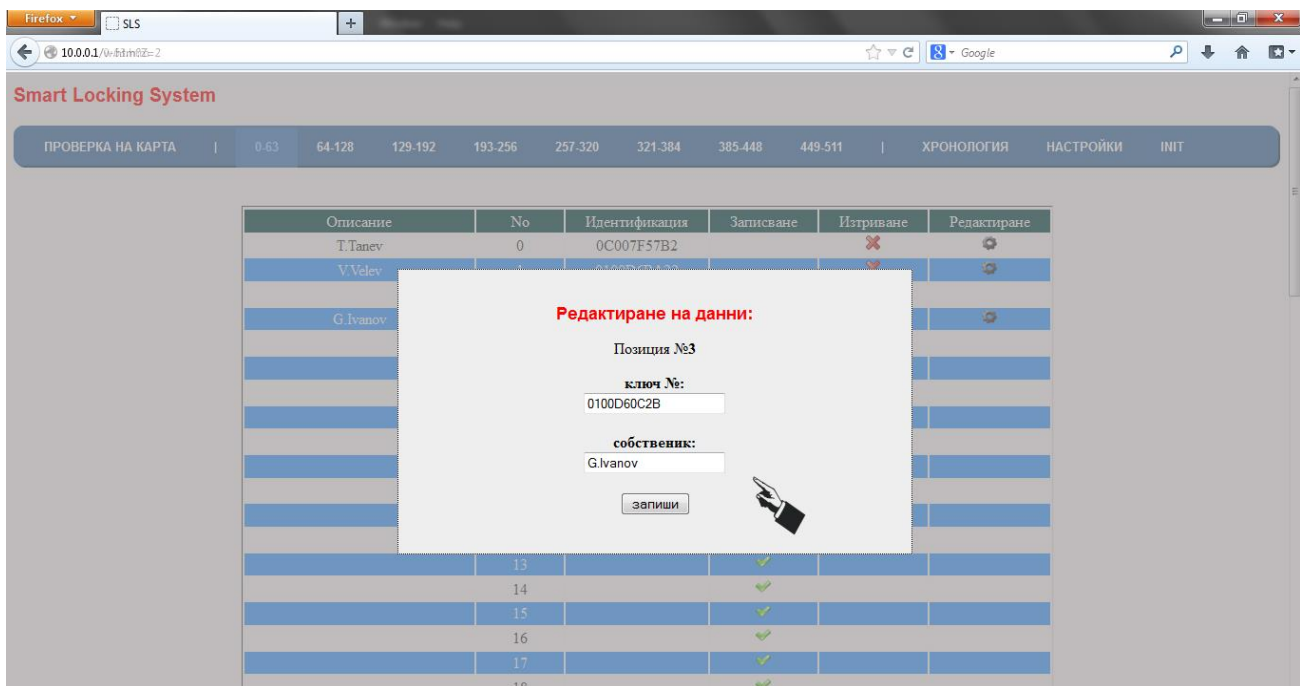


Smart Locking System

ПРОВЕРКА НА КАРТА | 0.63 | 64-128 | 129-192 | 193-256 | 257-320 | 321-384 | 385-448 | 449-511 | ХРОНОЛОГИЯ | НАСТРОЙКИ | INIT

Описание	No	Идентификация	Записване	Изтриване	Редактиране
T. Tanev	0	0C007F57B2		✗	
V. Velev	1	0100D6BA22	✓	✗	
G. Ivanov	3	0100D60C2B		✗	
	4		✓		
	5		✓		
	6		✓		
	7		✓		
	8		✓		
	9		✓		
	10		✓		
	11		✓		
	12		✓		
	13		✓		
	14		✓		
	15		✓		
	16		✓		
	17		✓		
	18		✓		

- ✓ Current data!



Smart Locking System

ПРОВЕРКА НА КАРТА | 0.63 | 64-128 | 129-192 | 193-256 | 257-320 | 321-384 | 385-448 | 449-511 | ХРОНОЛОГИЯ | НАСТРОЙКИ | INIT

Описание	No	Идентификация	Записване	Изтриване	Редактиране
T. Tanev	0	0C007F57B2		✗	
V. Velev	1			✗	
G. Ivanov	3				
	4				
	5				
	6				
	7				
	8				
	9				
	10				
	11				
	12				
	13		✓		
	14		✓		
	15		✓		
	16		✓		
	17		✓		
	18		✓		

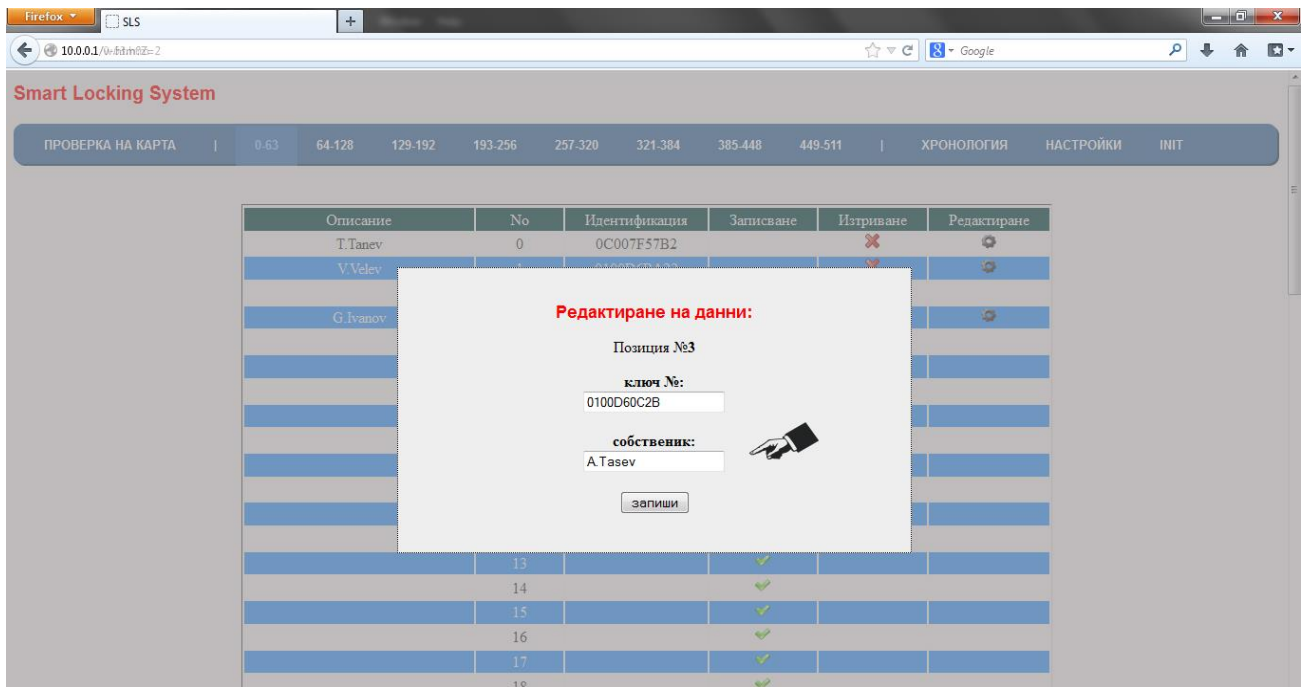
Редактиране на данни:

Позиция №3

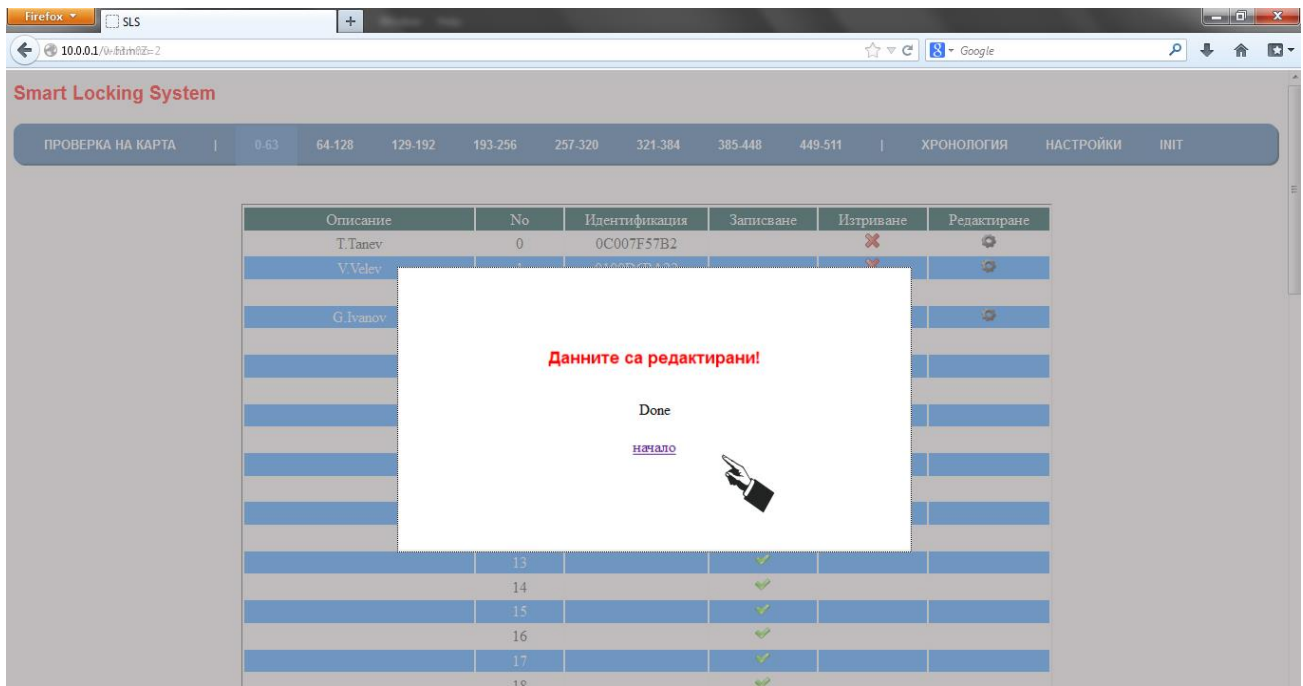
ключ №:
0100D60C2B

собственик:
G. Ivanov

- ✓ Edit the information and press **SAVE**.



- ✓ The data has been changed!

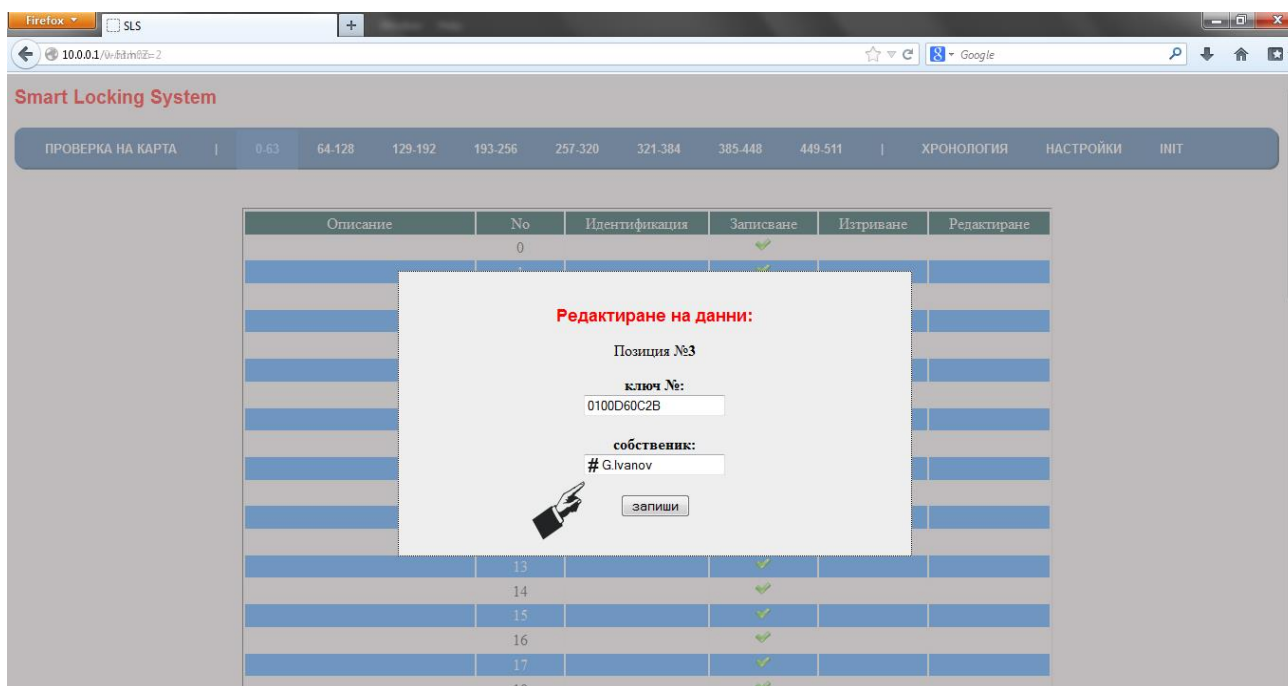


Press **HOME** to go back to the main menu.

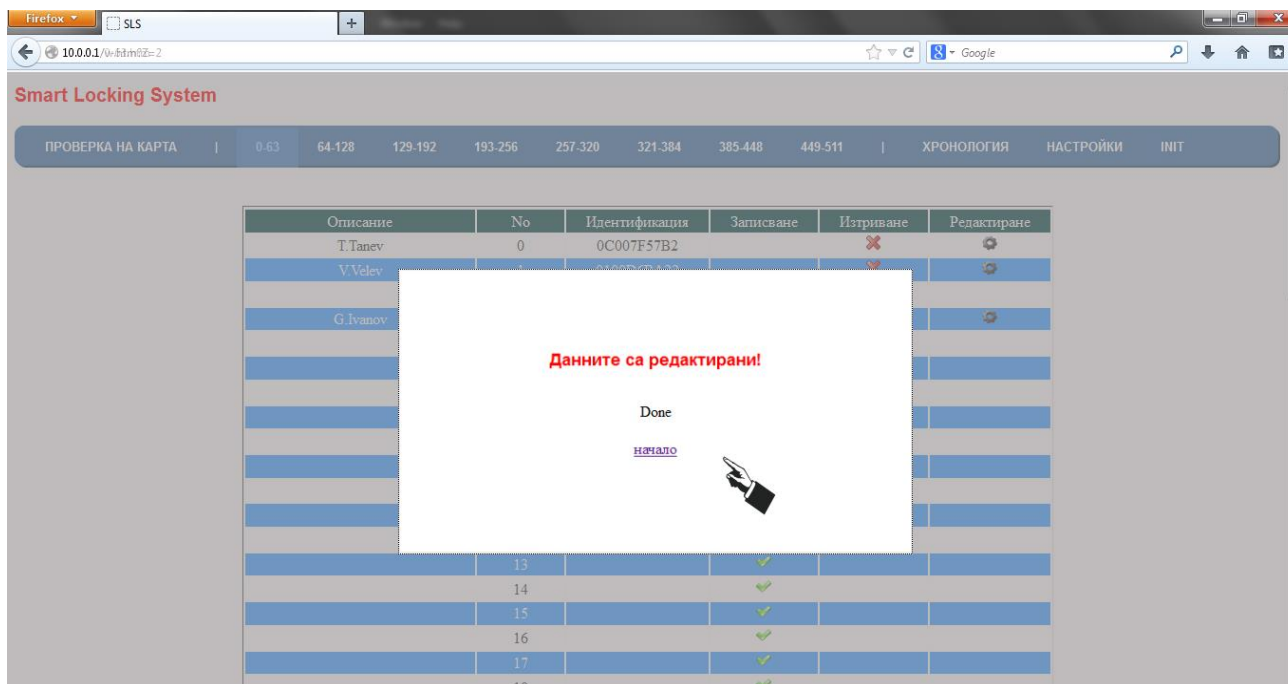
3.4 - Ban a particular user

- ✓ From the row of the user you wish to ban press the  icon (edit).

You can ban the access of a particular user when you type in “#” in front of the user's name. In this way the key will be temporarily blocked but it will not disappear from the database. It will be recognized by the reader but the lock will not be activated. Reverse the process (delete the ‘#’ symbol) will grant the access and the key will be active again. To save the changes, click on **SAVE**.



- ✓ The data has been saved!

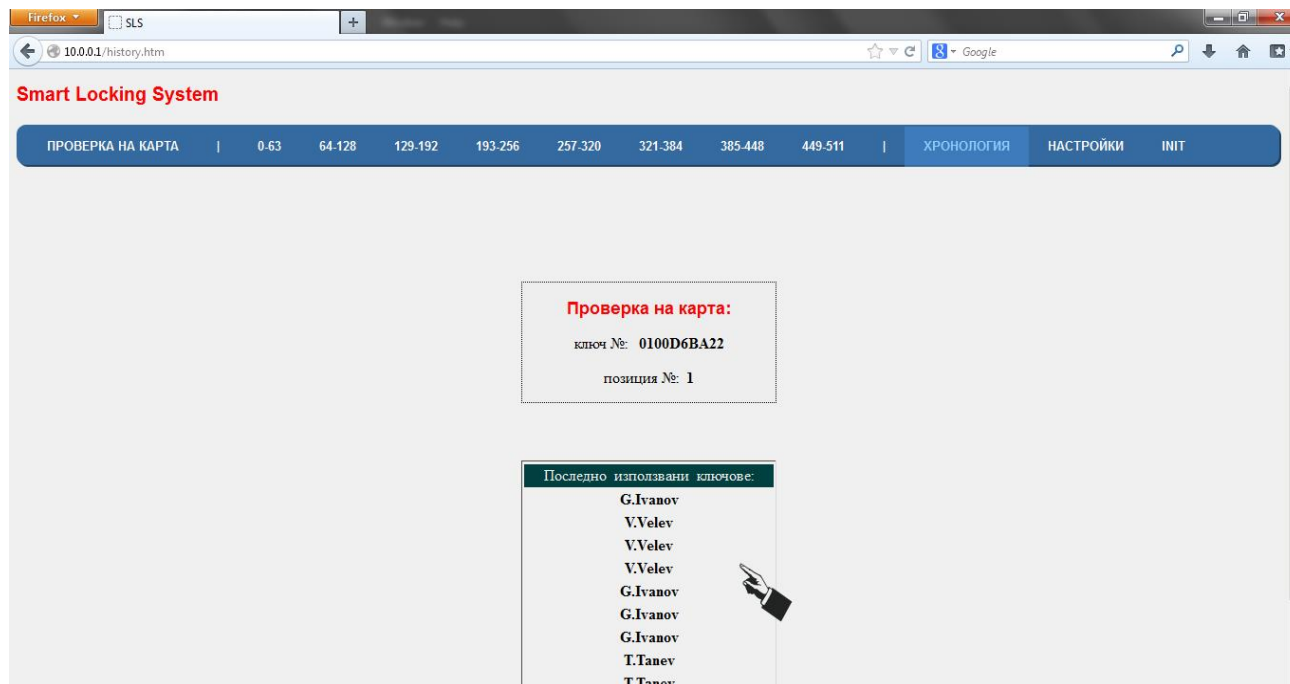


Press **HOME** to go back to the main menu.

⇒ Step 4: Key History

From the main menu choose **HISTORY**. Here you will be able to see two types of information.

- ✓ In the field '**Card Check**' you can see if at the moment there is a card placed on the reader. If there is a card placed on the reader you can see the card number and the position under which you signed in the card.
- ✓ Underneath is the field '**Recently Used Keys**'. This is a short statistic of the recently used cards (tags).



⇒ Step 5: Settings

From the main menu choose **Settings**.

This menu has a high level of access. You will have to provide username and password for access.

The username and the password are given to the **Owner** when you purchase your **Smart Locking System**.

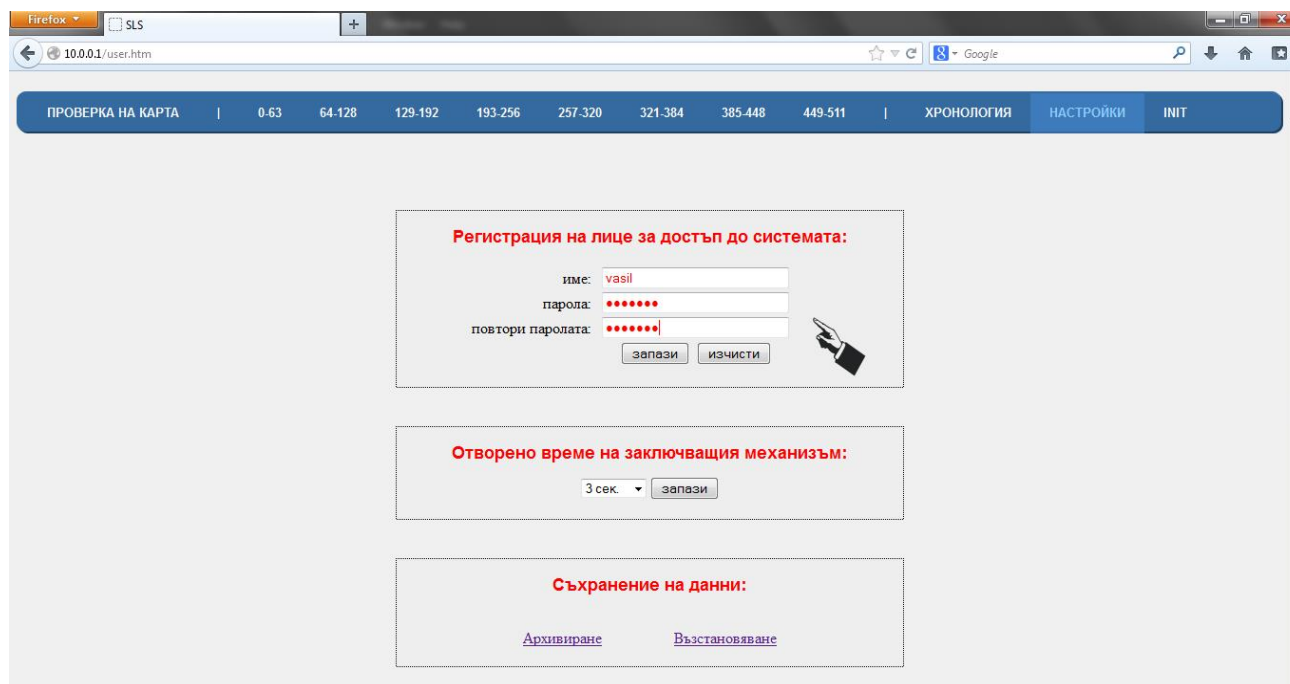
Write them down in the necessary fields and click **OK**. Now you have **full access** to all functions and settings in the system!

• 5.1 - Add an authorized personnel (housekeeper)

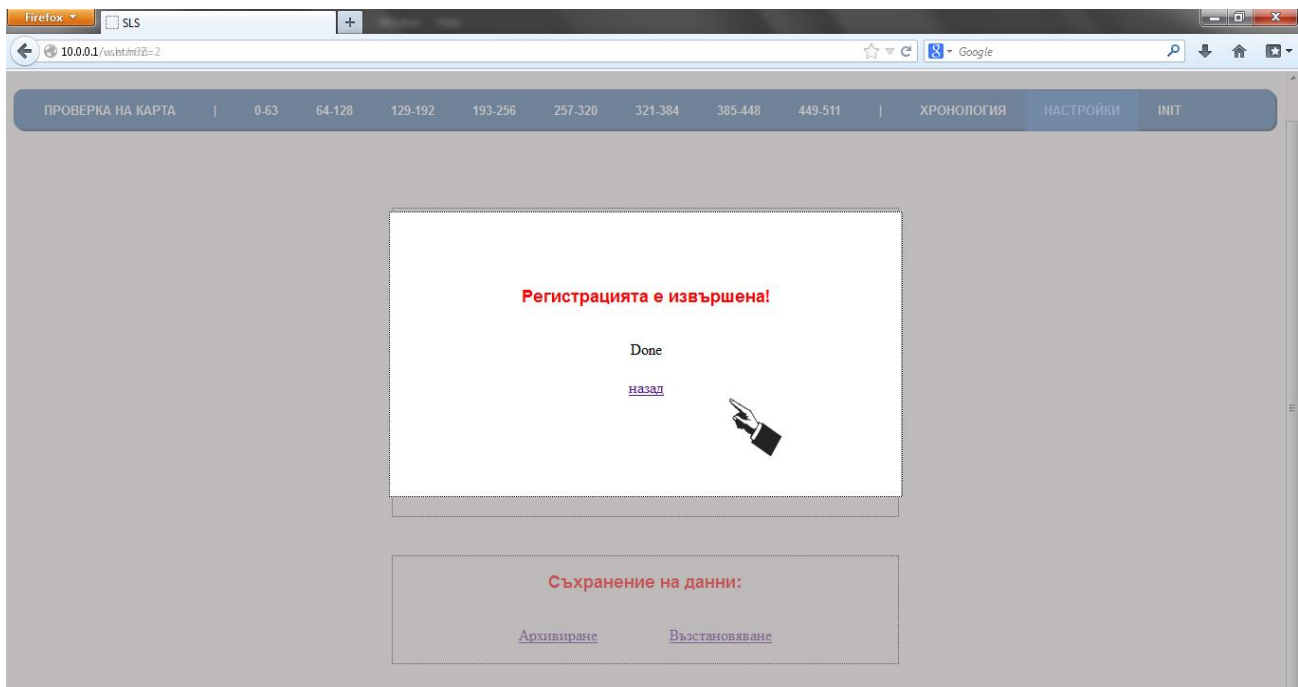
From the main menu choose **Settings**.

- ✓ Go to field '**Register New Level of Access**'

Type in the name and the password of the (housekeeper), authorized person who will operate with the database. This person will be able to sign in, edit and delete information regarding all 512 users. To save the information click **SAVE**



✓ The registration has been done!



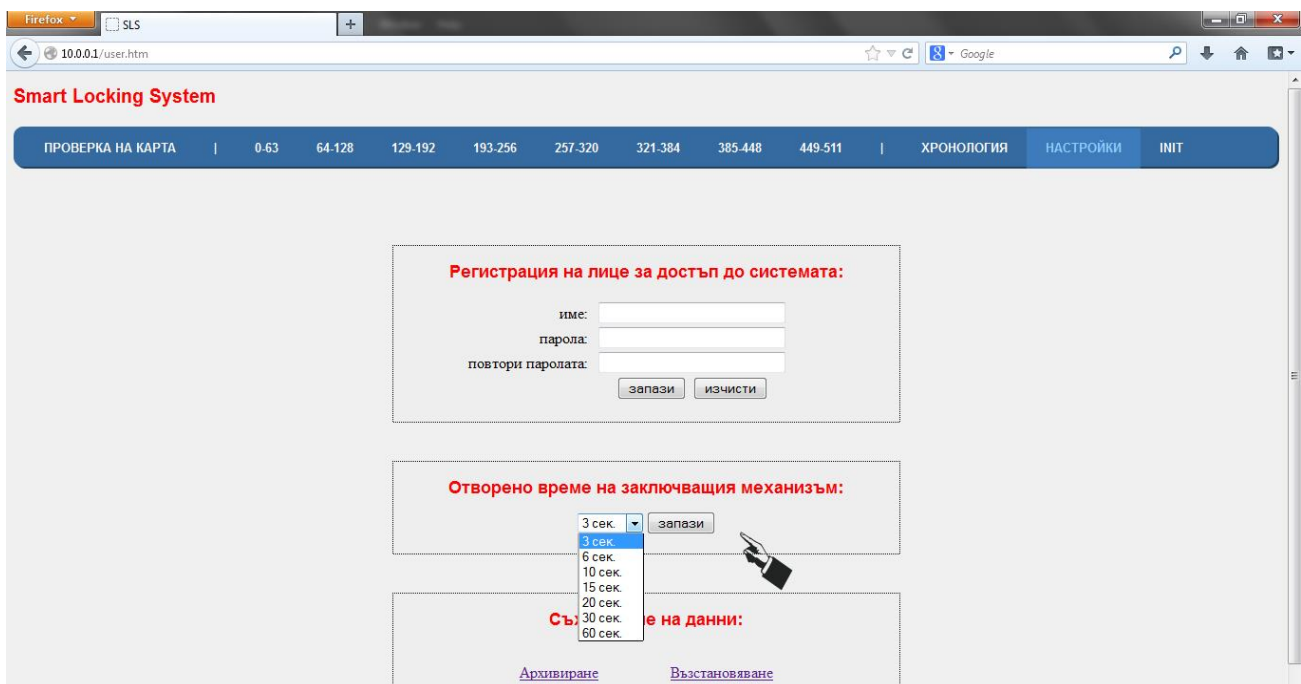
Click **BACK** to go to the **SETTINGS** menu

• 5.2 - Lock Control

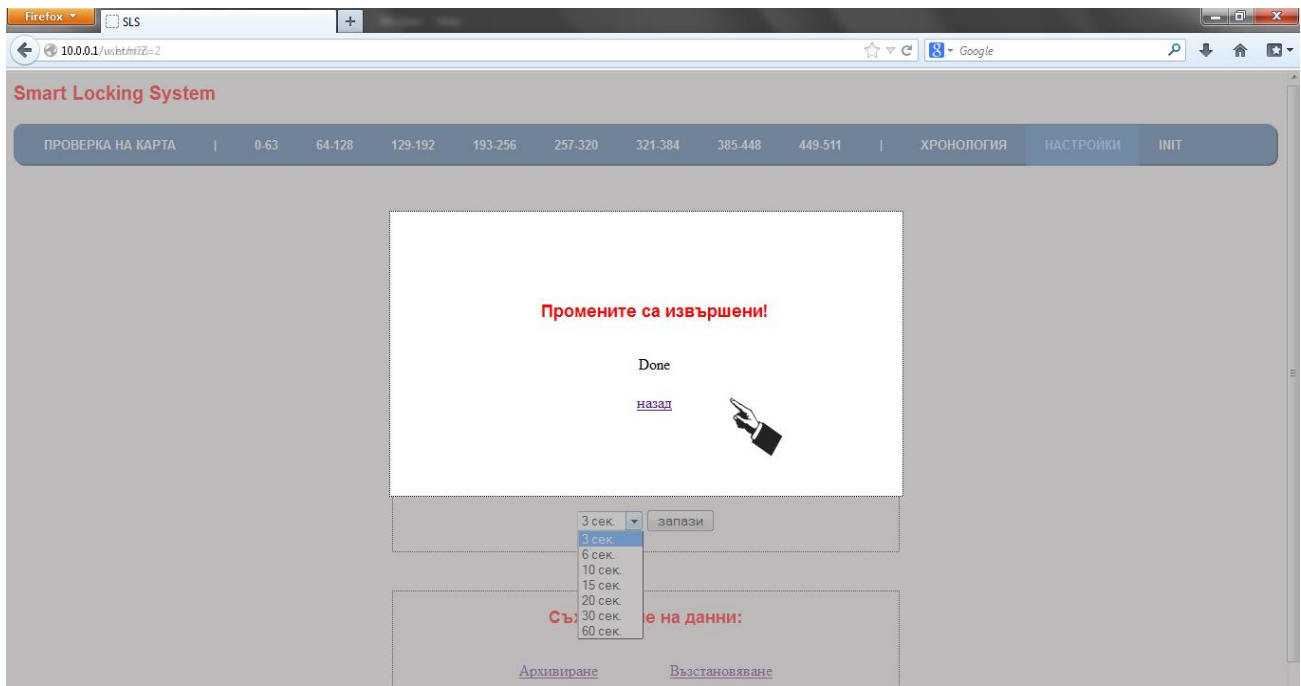
From the main menu choose **SETTINGS**.

✓ Go to **Mechanism Unlock Time**.

From the drop-down menu choose the time for which the lock mechanism will unlock. After the appointed time the mechanism will lock automatically. To save click on **SAVE**.



✓ The changes have been made!

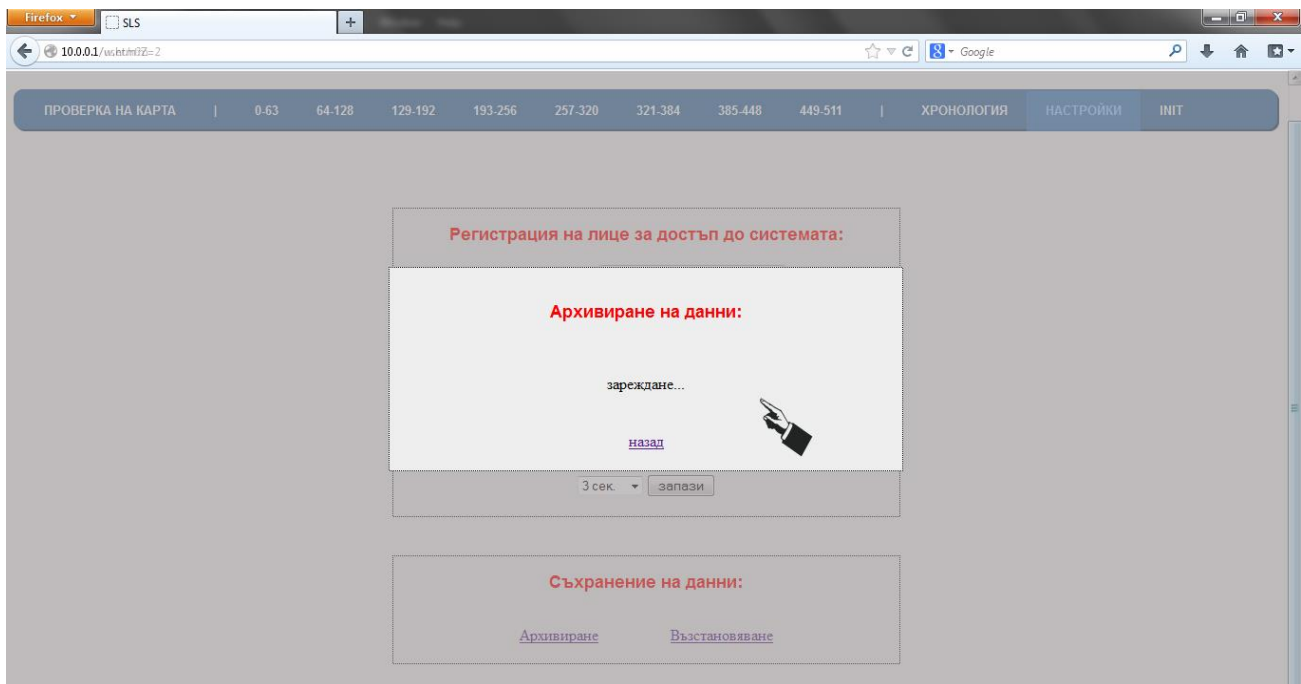


Press **BACK** to go back to **SETTINGS** menu.

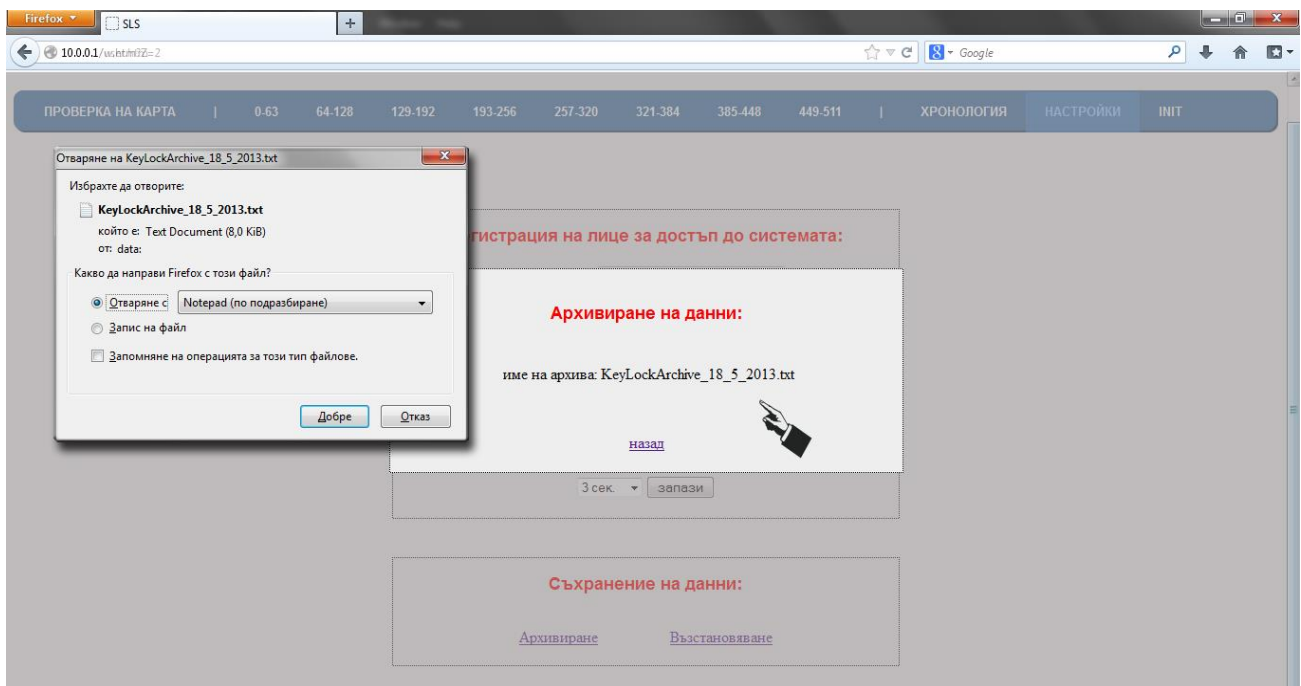
• 5.3 - Create Database Archive

From the main menu choose **SETTINGS**.

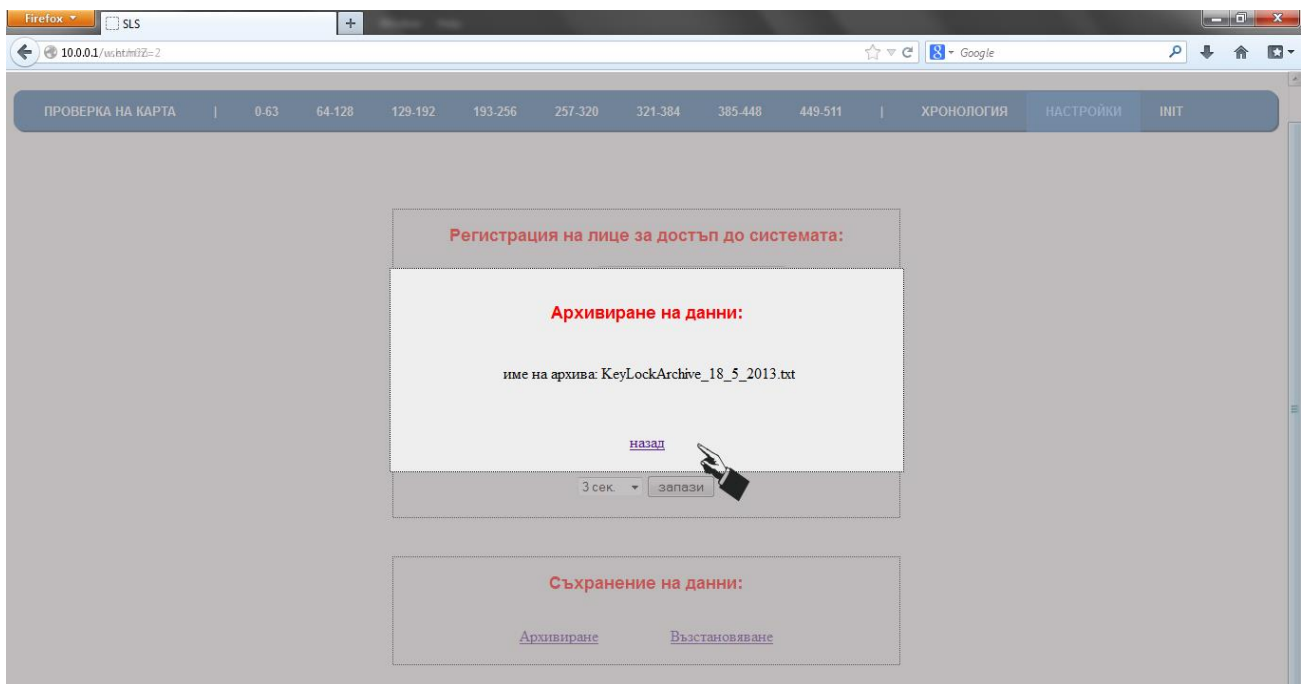
✓ From the field **Archive Database**, go to menu **Create an Archive!** Wait few moments to compress the data. It should only take few seconds.



- ✓ In the window which will appear you will see the name of the archive. Choose location and click **OK**.



- ✓ The archive file has been saved under the given location!



Press **BACK** to go to **SETTINGS** menu

- **5.4 - Data Recovery**

From the main menu choose **SETTINGS**.

✓ From **Archive Database**, go to menu **Recovery!**

The screenshot shows a web browser window with the address bar displaying '10.0.0.1/user.htm'. The page has a blue header bar with a navigation menu containing the following items: 'ПРОВЕРКА НА КАРТА', '0.63', '64-128', '129-192', '193-256', '257-320', '321-384', '385-448', '449-511', 'ХРОНОЛОГИЯ', 'НАСТРОЙКИ', and 'INIT'. The main content area features three distinct sections:

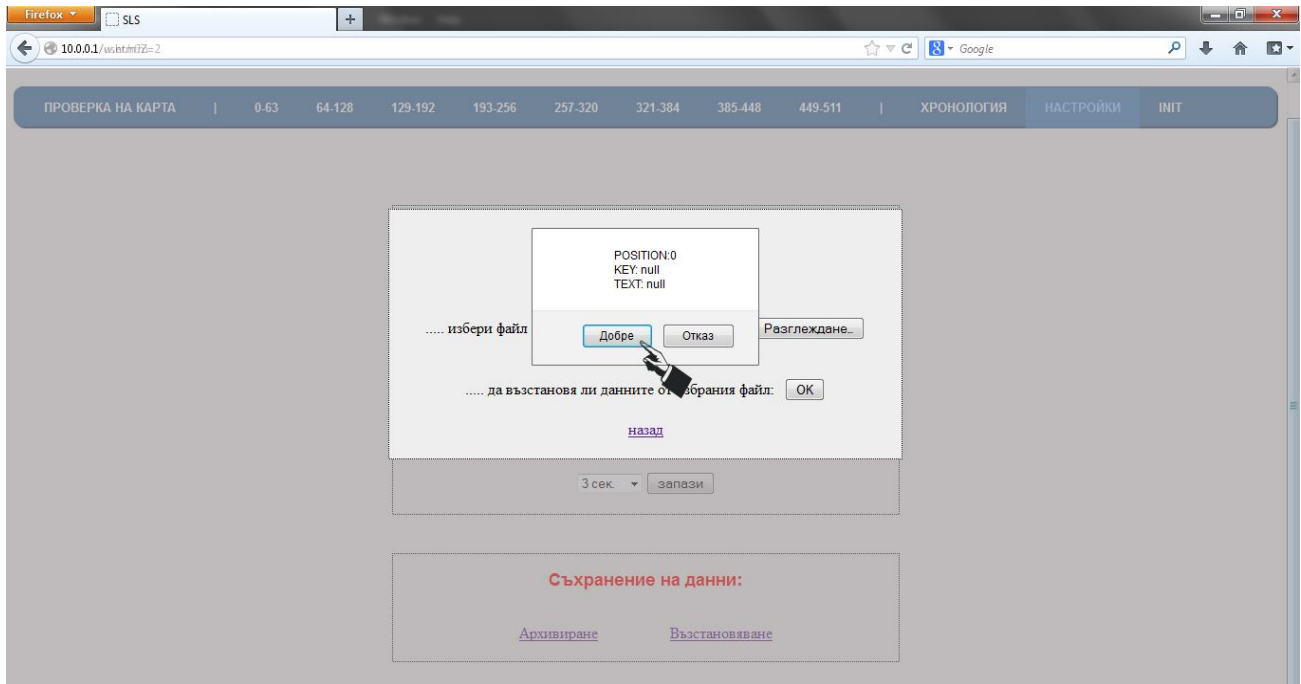
- Регистрация на лице за достъп до системата:** This section contains input fields for 'име:' (name), 'парола:' (password), and 'повтори паролата:' (repeat password). Below these fields are two buttons: 'запази' (save) and 'изчисти' (clear).
- Отворено време на заключващия механизъм:** This section includes a dropdown menu set to '3 сек.' and a 'запази' (save) button.
- Съхранение на данни:** This section contains two links: 'Архивиране' (archive) and 'Възстановяване' (restore), with a hand cursor icon pointing towards the 'Възстановяване' link.

✓ From the **browse** button find the file you wish to recover and press **OK**

This screenshot shows the same web application interface as the previous one, but with the 'Възстановяване на данни:' (Restore data) form displayed in the center. The form contains the following elements:

- Възстановяване на данни:** The title of the form.
- избири файл от архива:** A text prompt followed by a file selection input field and a 'Разглеждане...' (browse...) button.
- да възстановя ли данните от избрания файл:** A text prompt followed by an 'OK' button, which is being clicked by a hand cursor icon.
- назад** (back): A link located below the 'OK' button.
- Below the form, there is a dropdown menu set to '3 сек.' and a 'запази' (save) button.
- At the bottom, the 'Съхранение на данни:' (Data storage) section is visible, with 'Архивиране' (archive) and 'Възстановяване' (restore) links.

- ✓ In the window that will appear you will see the № of the key and its owner.
You can recover the file by clicking **OK**.

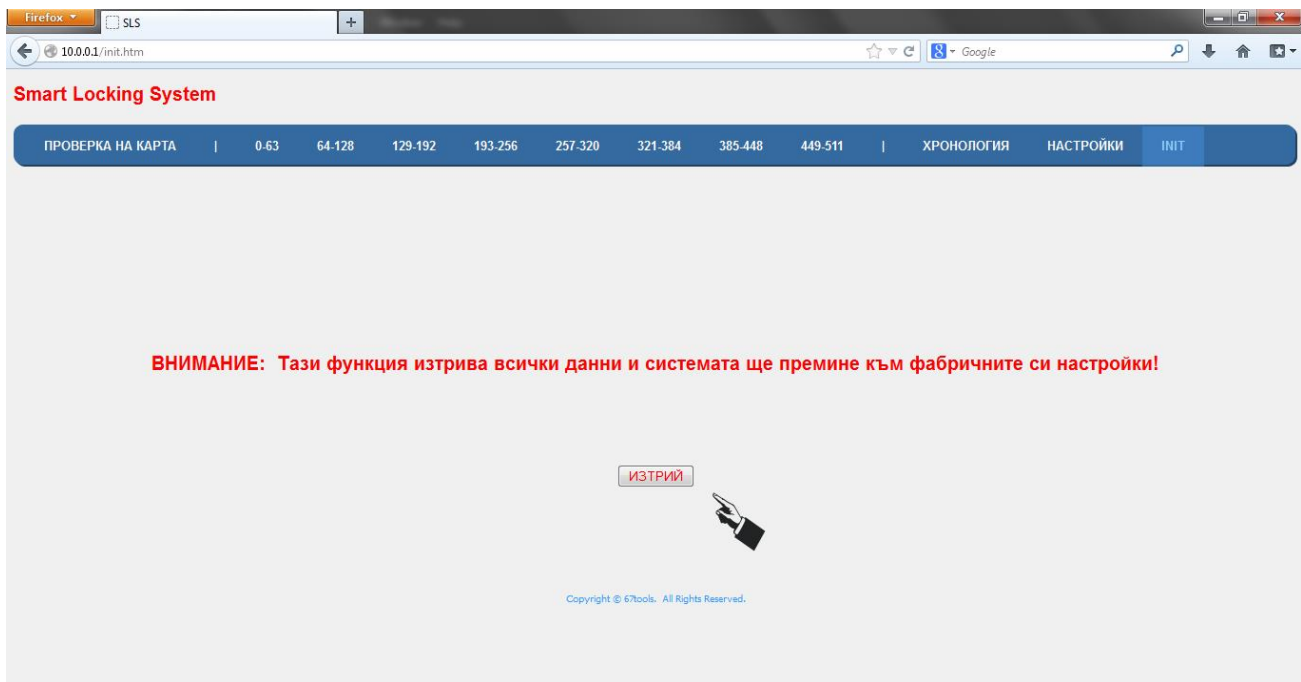


Press **BACK** to go to **SETTINGS** menu

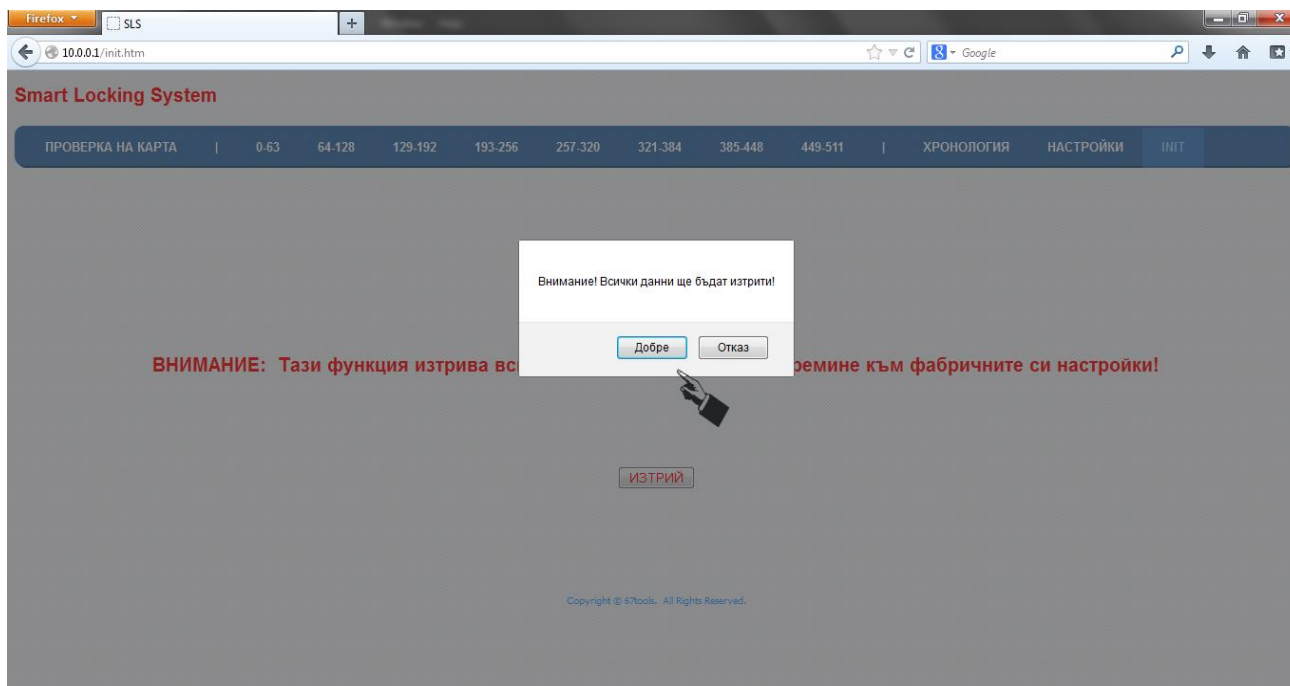
⇒ Step 6: INIT (delete the full database)

From the main menu choose **INIT**.

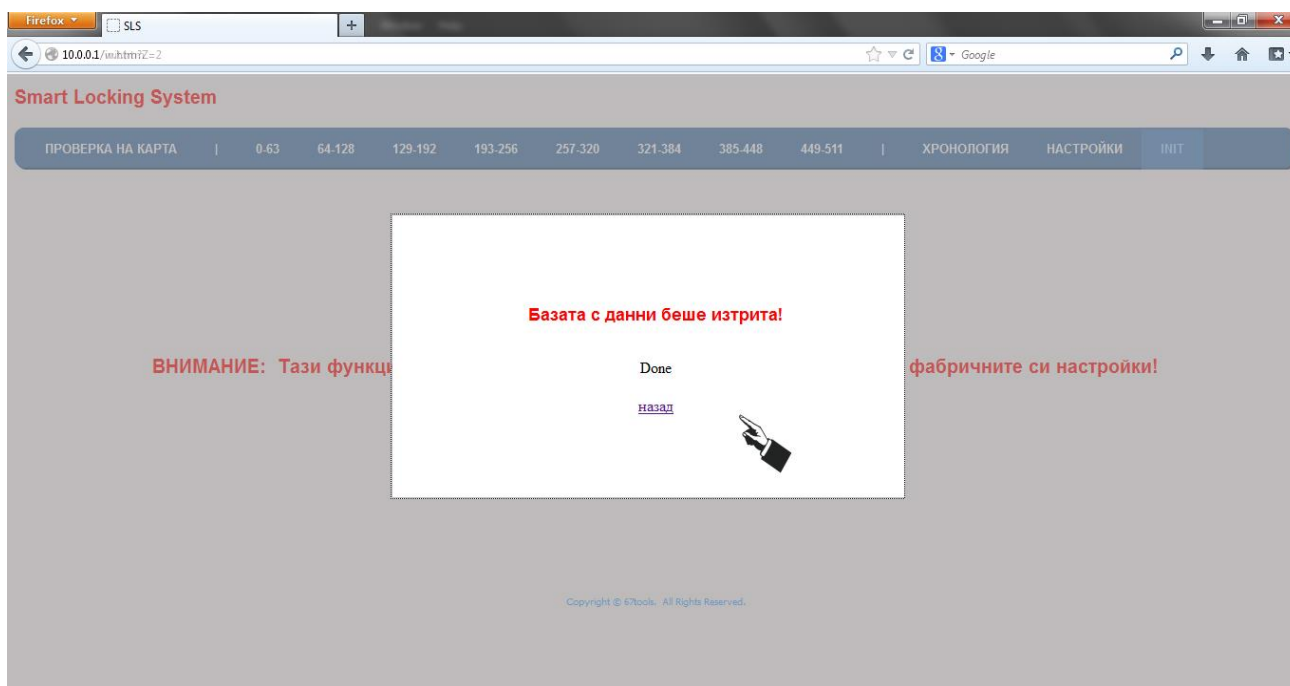
- ✓ In a new window a message will appear. The system will warn you that the full database will be erased .
If you wish to delete the database, click **DELETE**.



✓ New message will appear. If you wish to continue, click **OK**.



✓ The full database has been deleted without the option of recovery!



Press **BACK** to go to **SETTINGS** menu

▪ **Attention:**

If you have any problems with the software, please call your local dealer or write on our website www.67tools.com. Here you will find all instructions and the latest versions of **Smart Locking System**. You can also find more information about the products brought to you by **67tools**.