



Jantar Table Reader

software tool for managing the
Jantar desktop USB card reader



Jantar Table Reader user manual

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2023 in Naklo

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1 Jantar Table Reader

Jantar Table Reader program that enables you to control and use the **Jantar desktop USB reader** (*Reader D-1-USB or Reader D-3-USB*).


The desktop USB card reader is connected directly to your computer via a USB port and allows you to read contactless identification cards or other RFID identification means. With the help of the Jantar Table Reader program, the read number code can be written into a currently selected field of a application or program. The USB card reader simulates the card number being typed on a keyboard and behaves similarly to a standard bar code reader.

The Jantar Table Reader and the desktop USB card reader can be used with both the Codeks software and any third-party software (for example, Notepad).

NOTE

This manual contains only the description for the installation and use of the Jantar Table Reader program in combination with the Jantar desktop USB card reader. Instructions for the installation and use of the Codeks software can be found in the documentation of the main Codeks TA or Codeks AC application.

1.1 License Information

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- Codeks is distributed "as is". No warranty of any kind is expressed or implied. You use the Codeks software at your own risk. Neither the author nor his authorised distributors will be liable for any data loss, damages, loss of profits or any other kind of loss while using, misusing or being unable to use this software.
- All rights not expressly granted here are reserved by Jantar d.o.o.
- By installing and using the Jantar Table Reader add-on you are accepting the terms and conditions of this license.

- If you do not agree with the terms of this license you must remove all Jantar Table Reader files from your storage devices and cease using the product.

1.2 Disclaimer and Warranty

Disclaimer

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The information in this manual is designed for user purposes and not as a substitute for information from customer regulations, technical manuals/documents or other official documents. Customers using this manual can report errors or omissions, recommendations for improvement or other comments to Jantar d.o.o..

1.3 Contact Information

Jantar d.o.o. has more than 30 years of experience in the development and production of access control, time attendance and visitor control systems. What sets us apart from our competitors is that we develop and manufacture all of our software and most of our hardware ourselves. Our systems are installed and utilised at airports, office buildings, financial institutions, factories, shopping centers, hospitals, etc. Our products are present virtually anywhere our clients need basic or advanced access control and time and attendance systems.

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Support

Phone: +386 4277 18 13

E-mail: support@jantar.si

2 Description and installation instructions

Jantar Table Reader program that enables you to control and use the **Jantar desktop USB reader** (*Reader D-1-USB or Reader D-3-USB*).

The Jantar Table Reader software package contains:

- the installation files for the Jantar Table Reader program and
- the user manual for the Jantar Table Reader program.



2.1 System requirements

Before installing the Jantar Table Reader program make sure these system requirements are met:

- a personal computer with an installed Windows 10 operating system or newer,
- available free USB ports for hardware connections,
- installed Microsoft .NET Framework 4.8,

In addition to this you will also require the device - **the desktop USB card reader from Jantar** (*Reader D-1-USB or Reader D-3-USB*).

NOTE

If you are using an older operating system (Windows 8 or older), you may need to manually install the drivers for the desktop USB reader.

For more information, read the device documentation or contact **Jantar support** for help:

Telephone: +386 4277 18 13

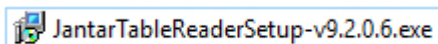
E-mail: support@jantar.si

2.2 Program installation

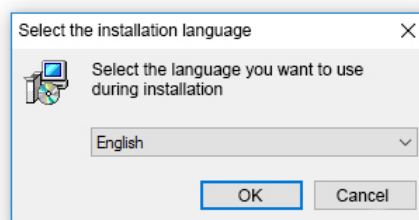
NOTE

Before installing and running the Jantar Table Reader program, connect the desktop USB card reader to your computer.

Start the program installation by double-clicking the **JantarTableReaderSetup.exe** file:



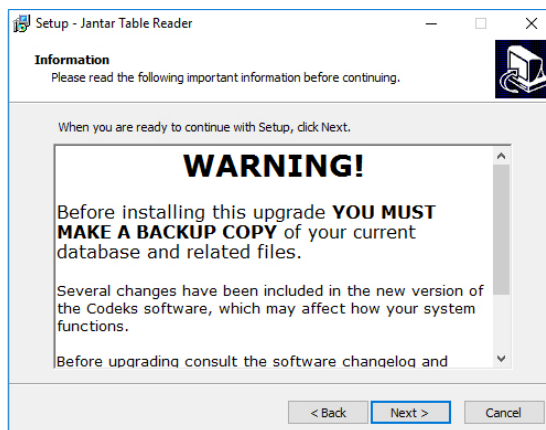
1. First, select the language for the installation process.



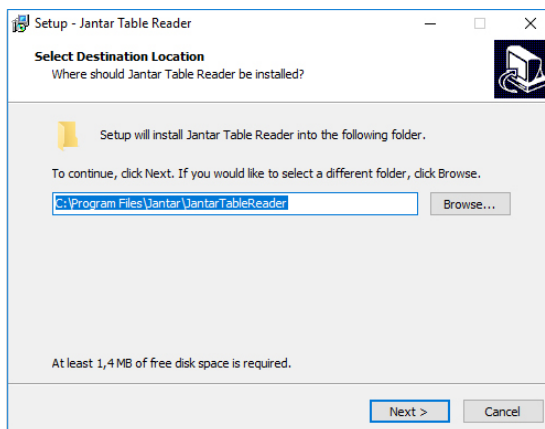
2. Read the license agreement. To continue with the installation mark *I accept the agreement*. Click **Next**.



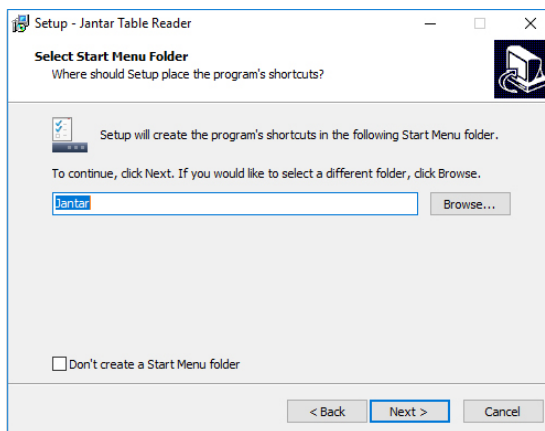
3. Read the warning. Click **Next**.



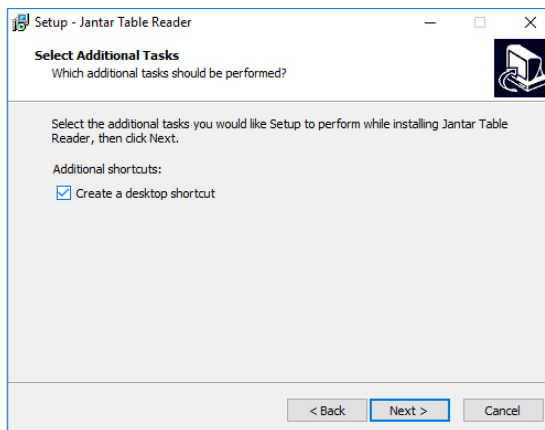
4. Select a folder for the installation and click **Next**.



5. Optionally, you can create a shortcut for the program in the *Start* menu. Click **Next**.

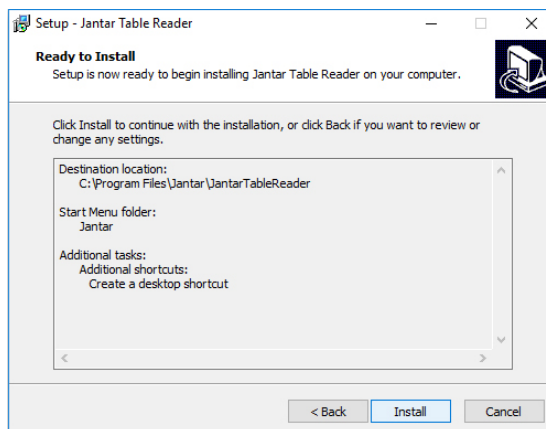


6. Optionally, you can create a desktop shortcut for the program. Click **Next**.



7. Click Install.

The process will take a few seconds.



8. The displayed message will appear when the installation is complete.

Click **Finish**.

Thus you have successfully installed the Jantar Table Reader program.



3 Start up and overview of the Jantar Table Reader program

NOTE

Before installing and running the Jantar Table Reader program, connect the desktop USB card reader to your computer.

Jantar Table Reader program that enables you to control and use the Jantar desktop USB reader (*Reader D-1-USB or Reader D-3-USB*).

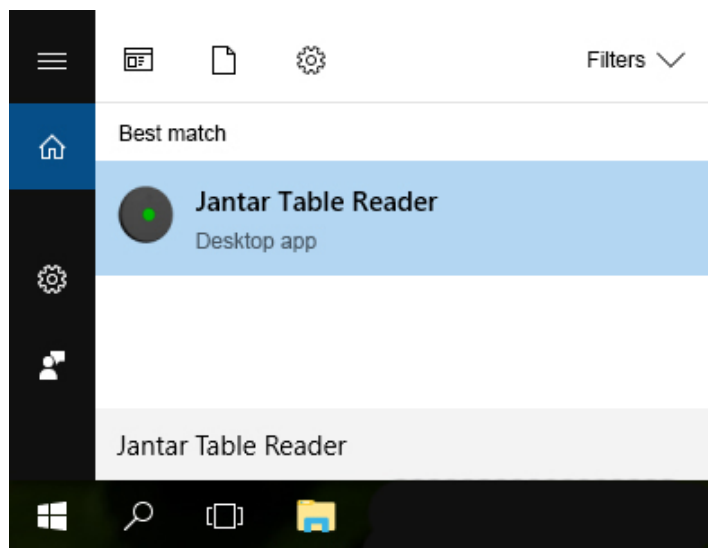
NOTE


You must start the Jantar Table Reader program before you can start using the Jantar desktop USB card reader. When using the USB reader the program must always run in the background.

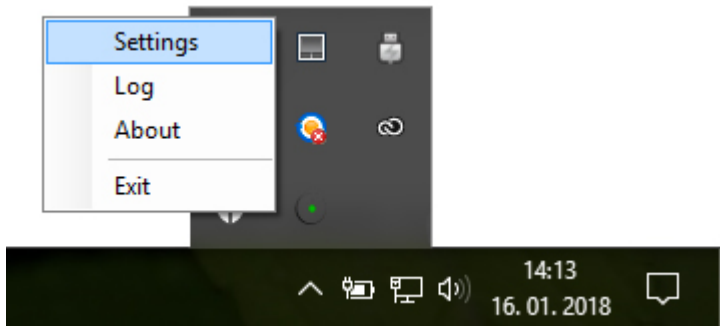
Start the Jantar Table Reader program by clicking the program icon on your desktop



or search for the program using the *Windows Start menu*.



After launching the program, a *desktop reader icon*  will be displayed in the *Notification area* in the lower right part of your screen. The presence of the icon indicates that the Jantar Table Reader program is currently active.



Right-clicking on the icon will bring up a menu that contains:

- access to the **program settings (Settings)**,
- access to the **program log (Log)**,
- access to the **display of the program information (About)** and
- **the program exit (Exit)**.

3.1 Jantar Table Reader program settings

This chapter contains the descriptions of all the Jantar Table Reader program settings.

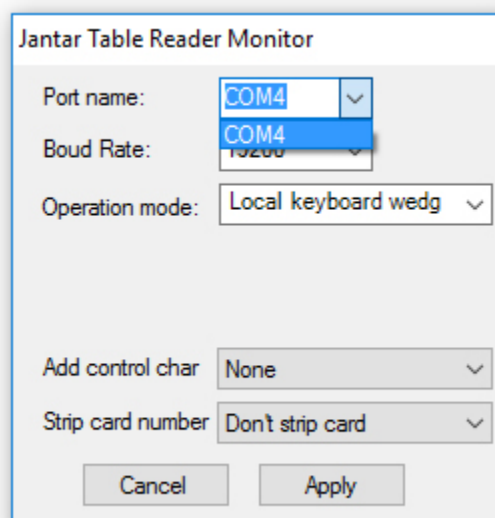
PORT NAME

NOTE

Before setting up the USB port, connect the desktop USB reader to your computer.

To establish the connection with the device select the USB port in which the USB reader is plugged-in in the **Port name** setting field.

You can check the name of the port where the USB reader is connected using the *Windows Device Manager*.



BAUD RATE

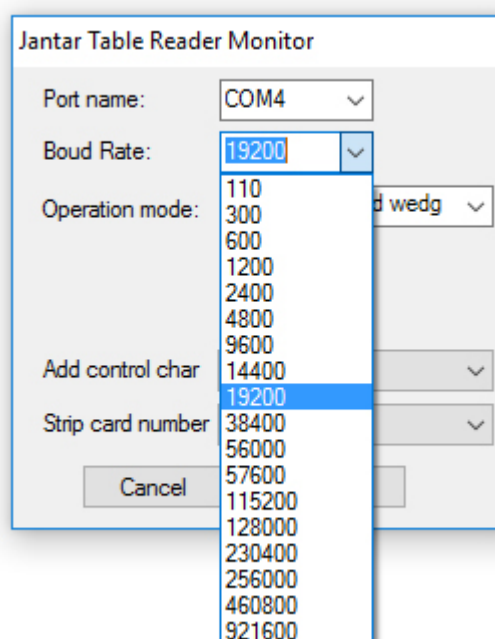
You can also choose between different *baud rate* settings (the speed of communication between devices).

NOTE

We suggest that the *Baud rate* setting only be changed by an IT system administrator or another suitably qualified person.

NOTE

The Baud rate setting in the Jantar Table Reader program must be synchronized with the USB reader setting. The default setting value is 19 200 for both the device and the program. If you have changed the setting of the device, the setting must also be set accordingly in the program.

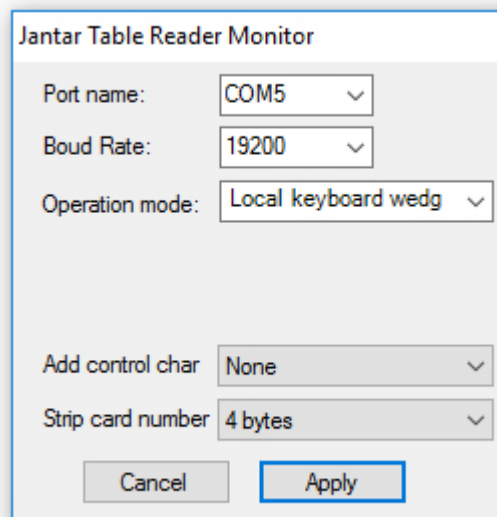


OPERATION MODE

The *Operation mode* setting defines the operation mode of the USB reader.

You can choose between:

Local keyboard wedge - the desktop USB reader will read the card's numeric code and enter it into the currently active field of any program or application ([Insert the read card number](#)^[16]).



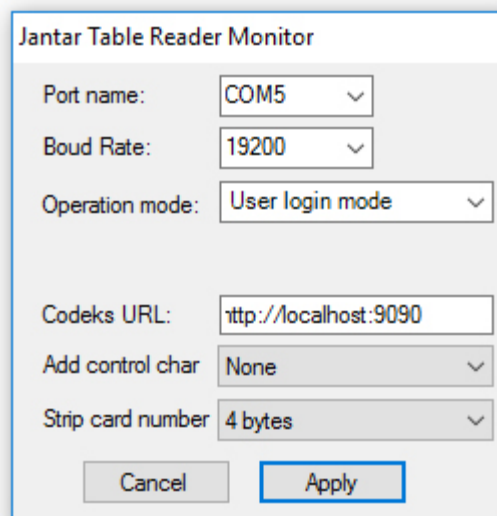
The screenshot shows the 'Jantar Table Reader Monitor' dialog box. The 'Operation mode' dropdown is set to 'Local keyboard wedge'. Other settings include 'Port name: COM5', 'Boud Rate: 19200', 'Add control char: None', and 'Strip card number: 4 bytes'. 'Cancel' and 'Apply' buttons are at the bottom.

User login mode - the desktop USB reader will read the numeric code and send it to the Codeks system, which will allow the current user to log on to the Codeks system with his user card.

NOTE

This mode of operation can only be used in combination with the Codeks software ([User login with card](#)^[19]).

Additionally, you must also enter the URL of the server where the Codeks software is installed (**Codeks URL**).



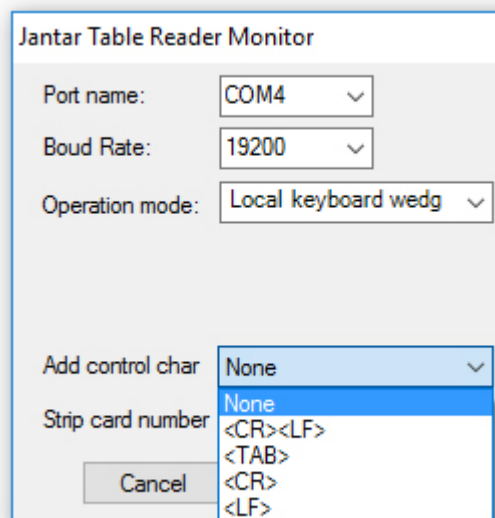
The screenshot shows the 'Jantar Table Reader Monitor' dialog box with 'Operation mode' set to 'User login mode'. A new 'Codeks URL' field is present, containing 'http://localhost:9090'. Other settings remain the same: 'Port name: COM5', 'Boud Rate: 19200', 'Add control char: None', and 'Strip card number: 4 bytes'. 'Cancel' and 'Apply' buttons are at the bottom.

ADD CONTROL CHAR

The *Add control char* setting enables you to add specific control characters after the card number. These characters add a command to move to the next field or break line.

You can choose between control characters:

- <CR><LF>** simulation of pressing the Enter button (line ending in Windows systems)
- <TAB>** simulation of pressing the Tab button, e.g. moving to the next field
- <CR>** carriage-return (line ending in OS X systems)
- <LF>** line-feed (line ending in Unix systems)



STRIP CARD NUMBER

The *Strip card number* setting lets you shorten the length of the card number.

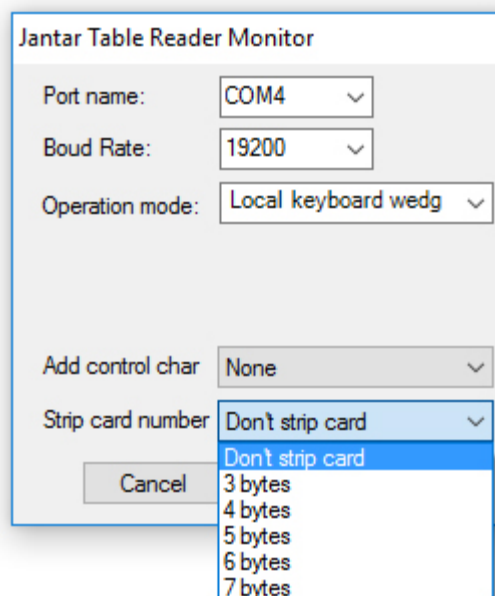
This setting determines how many bytes of the card's number are used for further processing, as different applications may process the cards' numbers differently.

NOTE

When using the Codeks application, the setting must be synchronized with the setting in the main Codeks application.

Older Codeks systems that use the **V7 protocol** to communicate with controllers use **3 bytes**.

Newer Codeks systems with the **V9 communication protocol** use **4 bytes**.



4 Using the desktop USB reader

The following chapters describe the use of the desktop USB reader with various settings, and also describes the settings needed for use with the Codeks software.

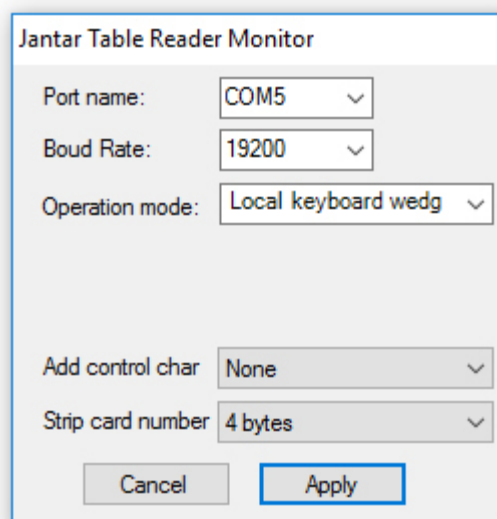
4.1 Insert the read card number

To use the Jantar desktop USB reader to enter the read number of a card in the current field of a program or application, it is necessary to set and check the following settings:

1. The *Operation mode* setting must be set to

Local keyboard wedge.

2.* Additionally, you can set a control character to be added after the card number.



3. Check and properly adjust the length of the card number to be used for further processing.

NOTE

When using the Codeks application, the setting must be synchronized with the setting in the main Codeks application.

Older Codeks systems that use the **V7 protocol** to communicate with controllers use **3 bytes**.

Newer Codeks systems with the **V9 communication protocol** use **4 bytes**.

4.1.1 Read card function in the Codeks application

The function of entering the read card number into the current field is often used in the Codeks application to assign a card to a user.

1. In the *Users* editor, select the user you wish to assign a card.
2. Click in the **Card** field and put the card on the desktop USB card reader.
3. The card number will be displayed in the current field.

Basic settings		Advanced settings	Department admin
Absence admin		Permit admin	Additional cards
User			
Name	Sebastian		
Last name	Cooper		
⋮			
Card	2735299		
<div>Read card</div>			
Allow card number input on keypad <input type="checkbox"/>			
PIN			
<div>Cancel</div>		<div>Save</div>	

NOTE

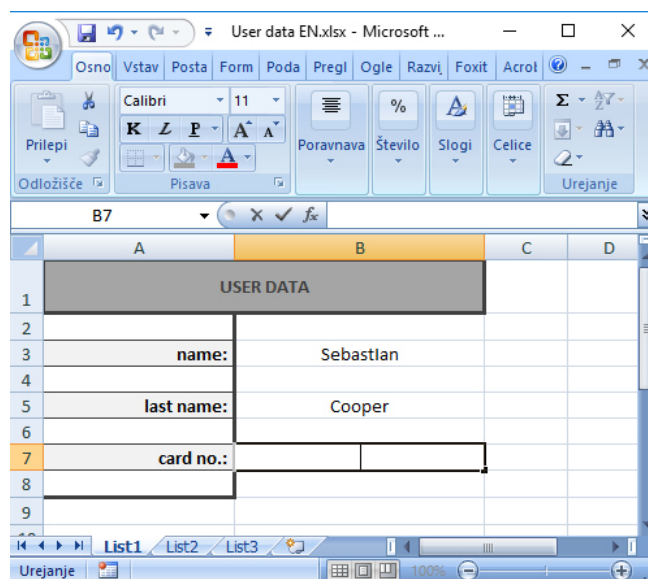
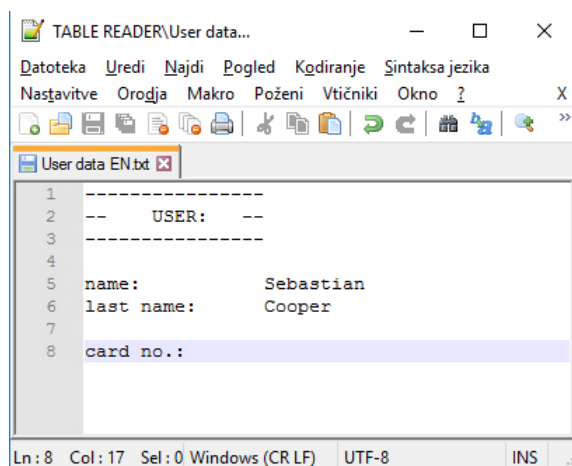
Before assigning a card to a user check and properly set the length of the card number ([Strip card](#)¹⁵).

4. Save the user's settings by clicking **Save**.

4.1.2 Enter the card number in other programs

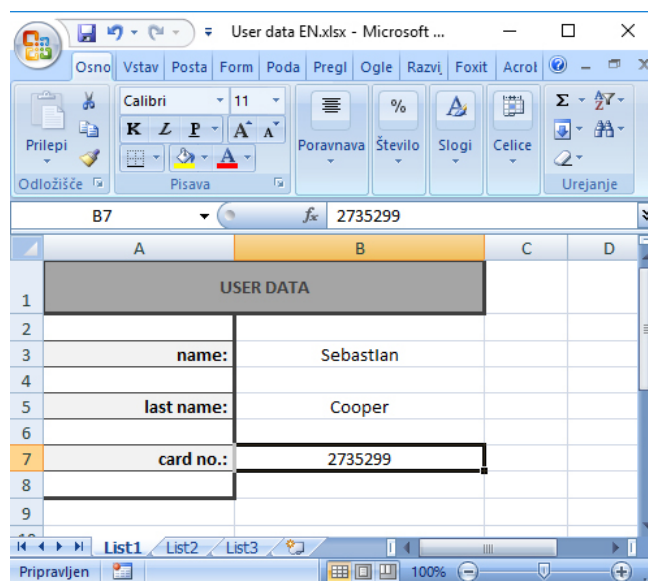
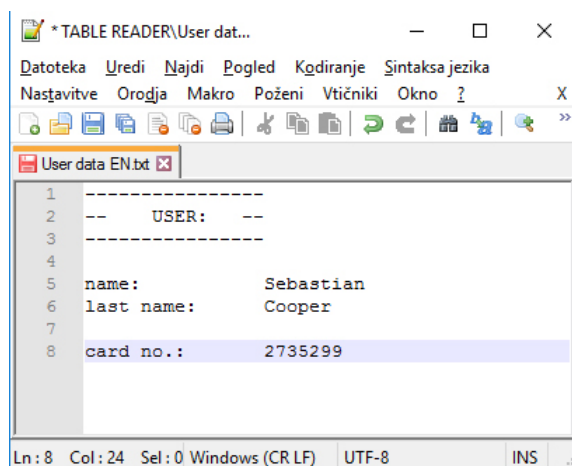
You can also use the function of entering the read card number into the current field in other programs and applications.

1. Start the program or application and **set the cursor at the spot or in the field where you wish to enter the card number.**



2. Put the card on the desktop USB card reader.

3. The card number will be displayed in the current field.



4.2 User login with card

NOTE

The *User login mode* operation mode which enables users to be automatically logged in using their card can only be used in combination with the Codeks software.

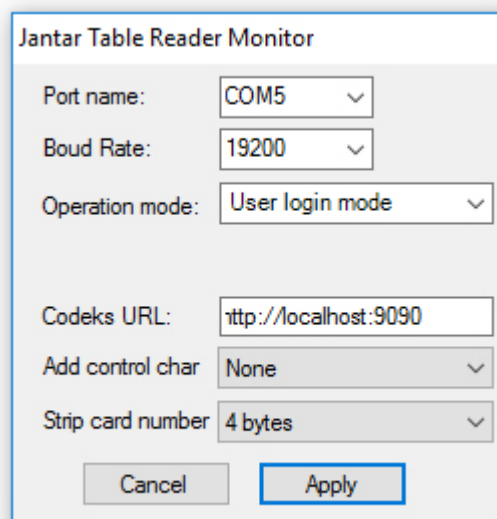
To use a desktop USB reader to automatically log in to the Codeks application, it is necessary to set and check the following settings:

1. The *Operation mode* setting must be set to

User login mode.

2. Additionally, the URL of the server where the Codeks software is installed (eg. `http://localhost:9090`) must be entered under the **Codeks URL** setting.

3.* If you want, you can additionally set a control character, which will be added after the card number.



4. Check and set the appropriate length of the card number to be used for further processing.

NOTE

When using the Codeks application, the setting must be synchronized with the setting in the main Codeks application.

Older Codeks systems that use the **V7 protocol** to communicate with controllers use **3 bytes**.

Newer Codeks systems with the **V9 communication protocol** use **4 bytes**.

5. You must also enable the user card login in the settings of the main Codeks application.

In the *Settings -> Preferences* menu under the **Program settings tab**, find and enable the **Enable user card login** setting.

Program settings	Time attendance	Mail settings	Leave announces settings
ePermits Settings	Default fingerprint controller	FrontDesk	
Automatic import / export	Export	Additional fields	Lunch
User interface			

Language

Language	Slovenščina ▼
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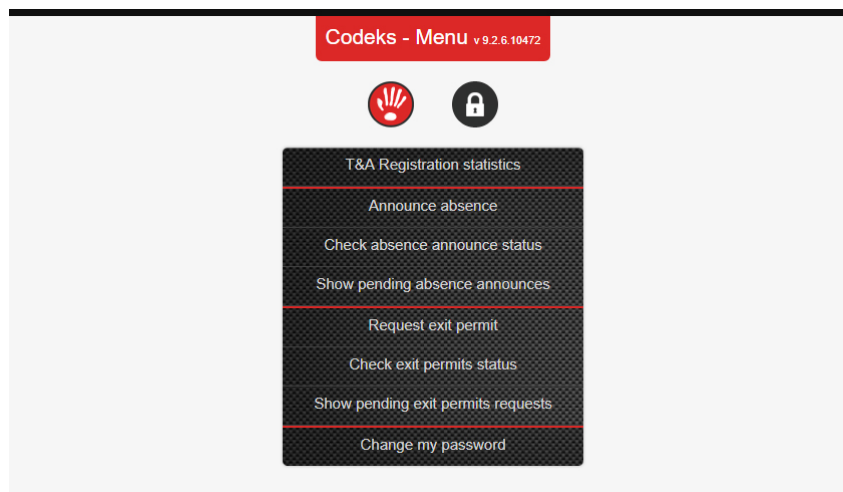


User card login	
Enable user card login	<input checked="" type="checkbox"/>
Advanced	
Mifare classic card sector used in system	Address 0x0200 ▼
Show user code and PIN for keypad entry on reader	<input checked="" type="checkbox"/>
Users additional cards get permissions from selected Group + Users permissions	<input type="checkbox"/>
Truncate card number on V9 controllers to 3B (compatible with V7	<input checked="" type="checkbox"/>

4.2.1 Using the user card login

Using the user card login is very straightforward for users.

1. The user simply puts his card on the desktop USB card reader.
2. The system then automatically opens the default web browser (and a private session with no history-recording within it), connects to the server, and logs into the Codeks application using the user's credentials.



NOTE

To enable user access to users you **must set a username for each user in the *Advanced settings* tab of each user.**

Basic settings	Advanced settings	Department admin
Absence admin	Permit admin	Additional cards
User's permissions		
Username	<input type="text" value="sebastian"/>	
Password	<input type="password"/>	
⋮		