Software

ekey TOCAhome pc

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V. 2.1

Table of Contents

1. Purpose of this document

This document describes the functions of the administration software provided in conjunction with the ekey TOCAhome pc.

2. Software operating information

Either Windows 2000 or Windows XP must be installed on your computer in order to be able to use the administration software.

3. Assembly, installation and initial use

The software can be used for the first time after the internal and external units have been properly initialized (see Assembly and Operating Manual). You will find further information on this topic in Chapter 4 of the ekey TOCAhome handbook.

Install the software provided on the CD ROM on your computer and make sure that the included RS 485 interface cable on the internal unit is connected to the USB converter and that the USB converter is connected to your computer.
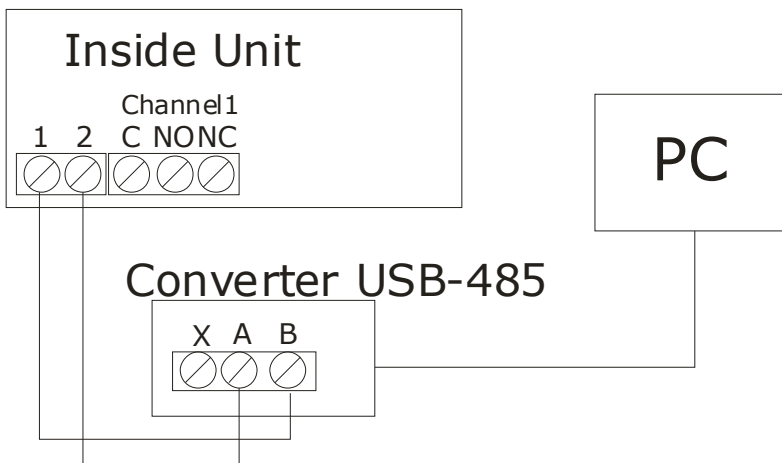
The USB interface is listed under *Ports (COM and LPT)* in the popup window of the device manager. In this example it is listed as *COM3*.
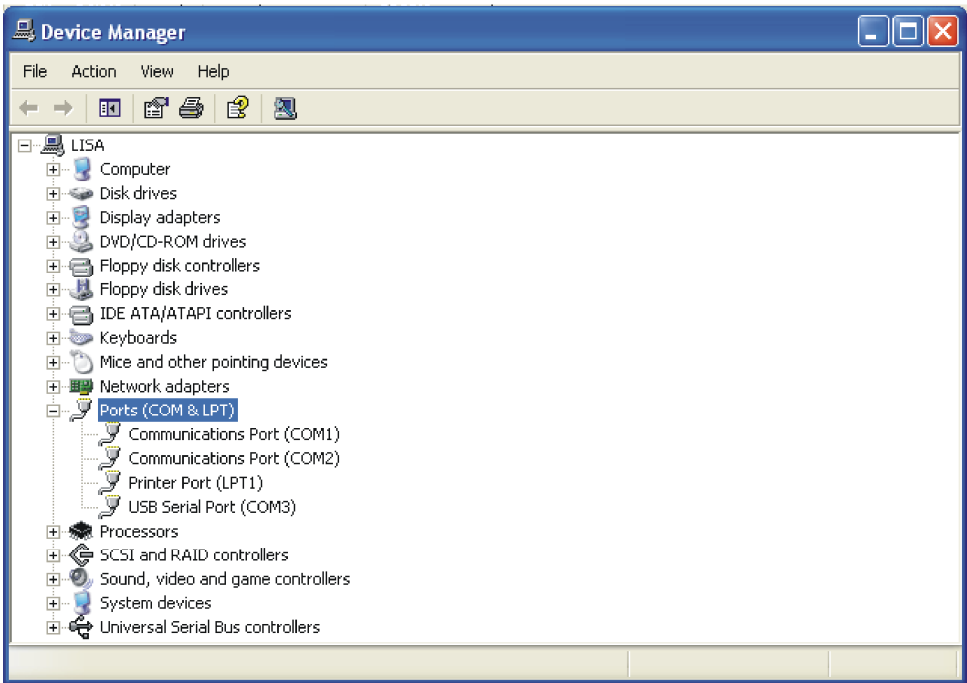

The Device Manager window content:

Device Manager
File Action View Help

LISA
  Computer
  Disk drives
  Display adapters
  DVD/CD-ROM drives
  Floppy disk controllers
  Floppy disk drives
  IDE ATA/ATAPI controllers
  Keyboards
  Mice and other pointing devices
  Network adapters
  Ports (COM & LPT)
    Communications Port (COM1)
    Communications Port (COM2)
    Printer Port (LPT1)
    USB Serial Port (COM3)
  Processors
  SCSI and RAID controllers
  Sound, video and game controllers
  System devices
  Universal Serial Bus controllers

Figure A

All other TOCAhome pc settings (such as *Save Finger*) can be defined by using the PC and the software.

4. Configuration and settings

4.1. Configuration

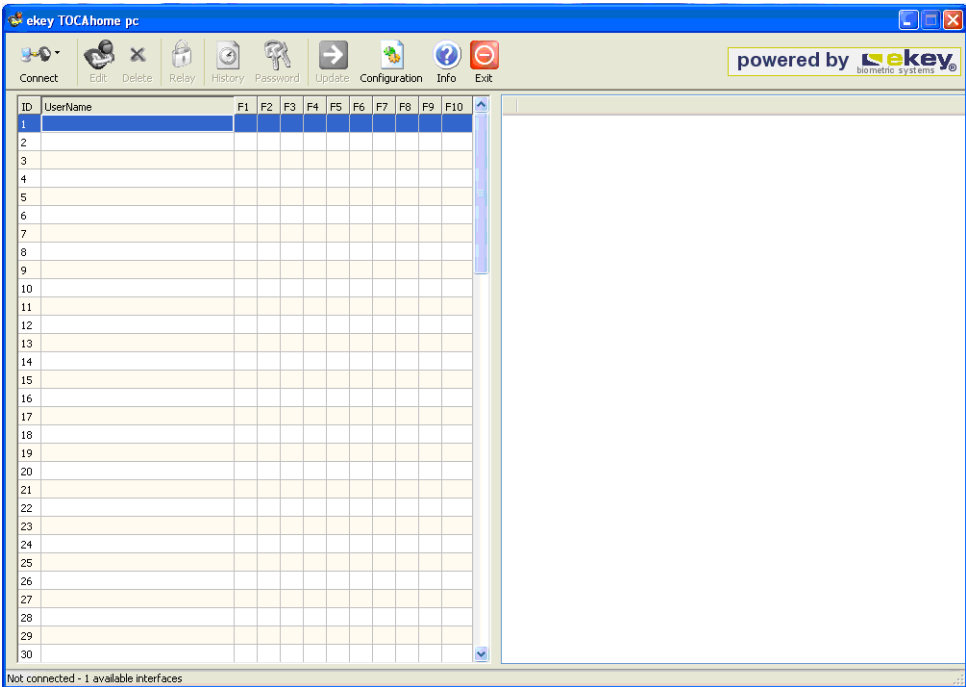The window shown in Figure B is displayed after the program is started.

Press the *Configuration* button to go to the window shown in Figure C. The respective COM port is selected in this window. In the example above it is *COM3*.

Figure C

Here the connected ekey TOCAhome pc unit can be assigned a name. In this example, the name *HomePC* was selected. The individual relays can also be named according to their respective functions. For example, relay 1 was called *Test*.

If desired, the names of the log files containing time and event data can also be changed here.
Time recording can also be activated and the options for automatic entry can be defined.
If the option is turned on, the respective file for recording time (TOCAtime.csv) documents the activities of the recognized users. If the file is locked or a STOP file is active, the data are stored in a buffer until released. The *On Screen* option additionally displays all registered activities on the screen at the right of the window as shown in Figure B.
If *Automatic Entry* is activated, the name of each person positively identified by the connected ekey TOCAhome pc unit is displayed at the current cursor position. This can be, for example, in a Word or Excel file. When *on + CR* is selected, a line break is inserted after each name. *On + TAB* inserts a tab character after each name.

4.2. Creating a connection

The top right menu button shown in Figure B is used to establish a con-nection between the PC and the ekey TOCAhome pc unit. This opens the window shown in Figure D.
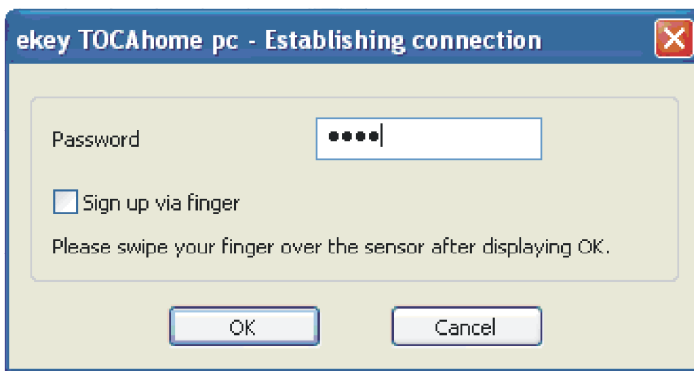

<div align="right">*Figure D*</div>

The connection can be established with a password or by means of fin-gerprints stored in the ekey TOCAhome pc unit. If the latter option is selected, the respective person's finger must be scanned on the sensor field of the external unit. The manufacturer's default password is "**1234**".
The window shown in Figure A is displayed after the program is started.

4.3. Relay switch times

The *Relay* menu button is used to change the switch times of the corre-sponding relays (compare Figure E).
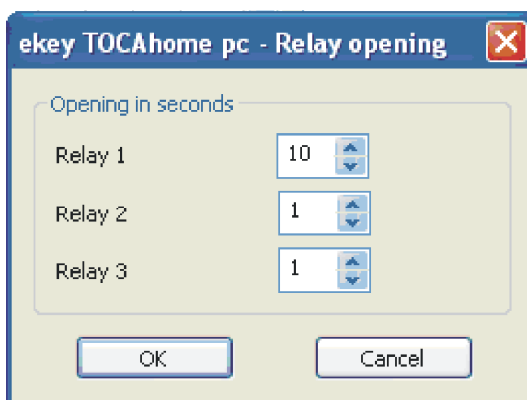
Figure E

4.4. Changing the password

Use the *Password* menu button to change the password. You will be required to enter the current password in order to select a new one.

5. User administration

The window shown in Figure B is displayed after the program is started.

5.1. Creating users and users authorizations

As soon as the connection is established, a new user can be created using the *Edit* button in the menu bar shown in Figure B. The window shown in Figure F is displayed.
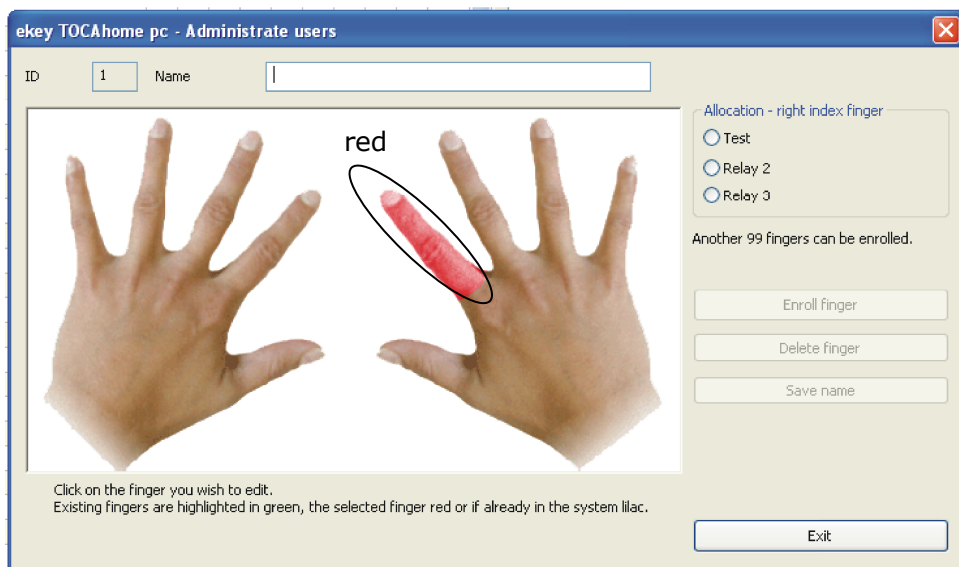
ekey biometric systems

ekey TOCAhome pc - Administrate users

ID   1   Name [   ]

red

Allocation - right index finger
○ Test
○ Relay 2
○ Relay 3

Another 99 fingers can be enrolled.

[Enroll finger]
[Delete finger]
[Save name]

Click on the finger you wish to edit.
Existing fingers are highlighted in green, the selected finger red or if already in the system lilac.

[Exit]

Figure F

A name must now be assigned to the new user. Select a name by click-
ing on a finger with the mouse cursor. The selected finger is displayed
in red. This finger must now be identified with the relay with which it is
to be coupled. The example in Figure F identifies the right pointer finger
with the *Test* relay.

The *Save Finger* button then becomes active. After pushing the *Save
Finger* button, the respective user must draw his/her finger across the
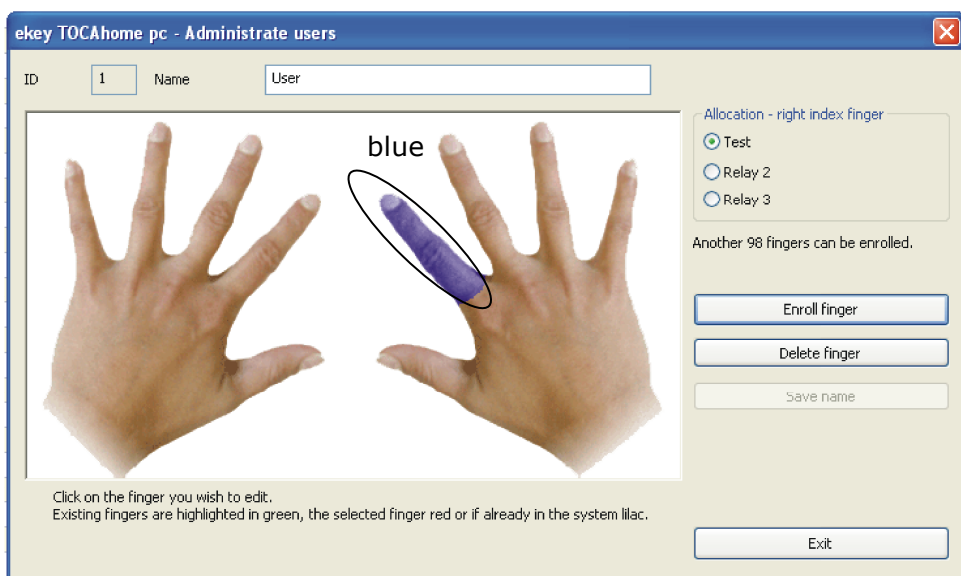sensor field of the external unit. The newly saved finger is displayed in
blue.

Figure G

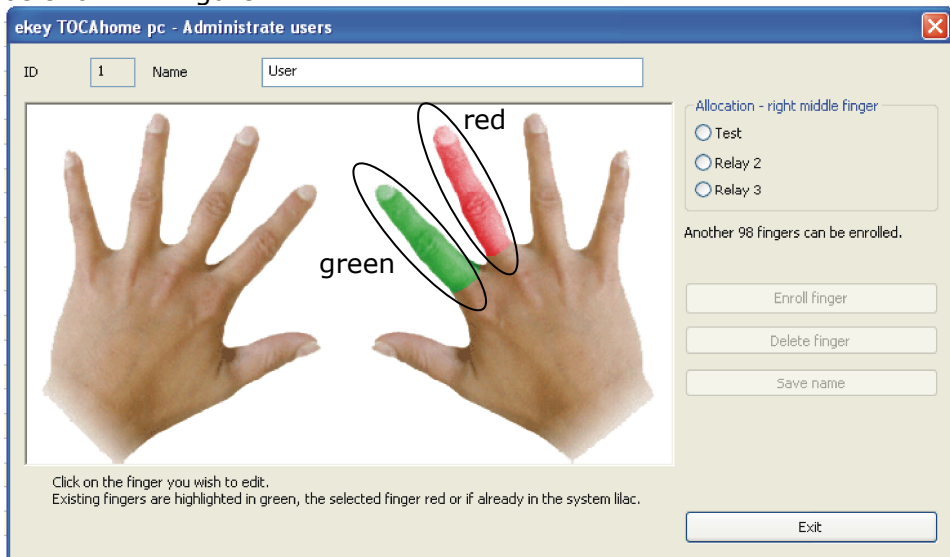Other fingers may now be saved. Fingers already in use appear green as shown in Figure H.

Figure H

The *Delete Finger* button is used to cancel authorizations assigned to a user. When deleted, the finger is no longer marked and can be assigned at any time.

The *End* button is used to return to the window shown in Figure B.

The names of saved users are listed at the left of the window (see Figure I). Each user is assigned an ID. Assignments of relays to users' fingers are displayed in this area. The fingers are designated F1 through F10, beginning with the small finger of the left hand. The number of the relays that can be activated with each finger is displayed in the corresponding field of the finger of each user.
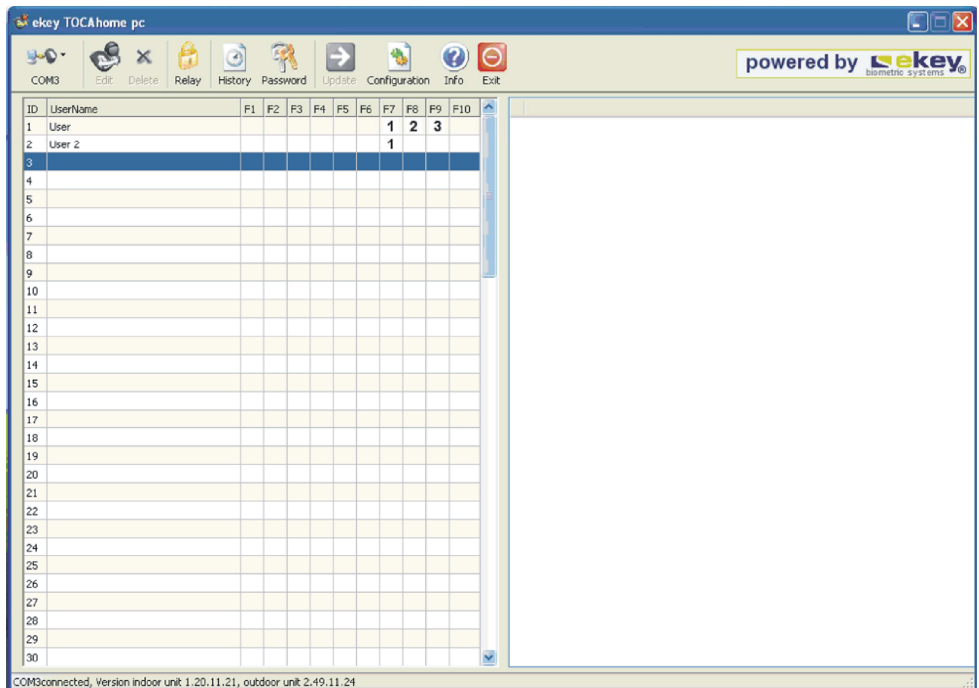

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5.2. Documentation of user activities

If time recording is activated on the screen, events are also docu-
mented accordingly.
The log shows which relay was used at which time by which user and
with which finger. The log also shows the time at which an attempt was
unsuccessful (see Figure J).
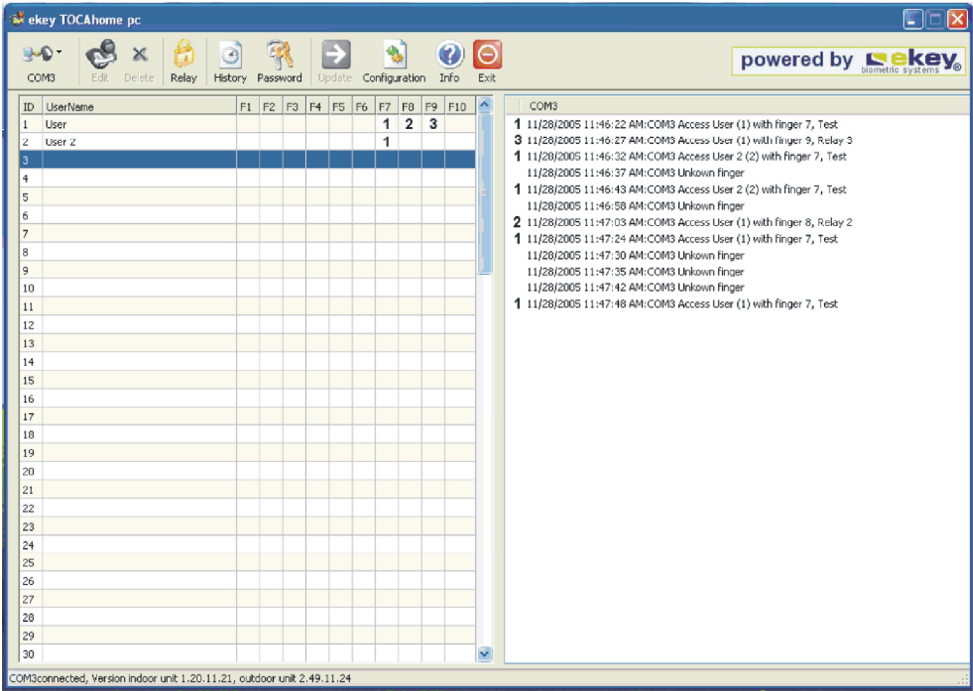

<div align="right">Figure J</div>

If time recording is activated (see 4.1), the time log file also shows
which user activated which relay at which time and with which finger.
The *History* menu button adds the previously recorded access events in
the event data documentation file. This documents the activities regis-
tered by the external unit in the order of their occurrence. The log
shows which user (ID) used which finger to activate which relay,
whether there was an unsuccessful attempt, and whether a user's fin-
ger was newly saved. Time data are not documented here.

The log file is in *csv* format and can be viewed easily, for example, in Microsoft Excel.

5.3. *Offline operation*

When not connected to a PC, the functionality of the TOCAhome pc unit is unlimited. Saved fingers can be used to continue activating relays, and the internal unit menu can be used to add new fingers and users. This is accomplished in accordance with the respective operating in-structions.

After offline operation the program should be restarted on the PC. New users and fingers saved during offline operation are automatically transferred to the user list shown in Figure B.

The event data are stored in the external unit. As soon as the connec-tion between the TOCAhome pc unit and the PC has once again been established, the new data can be transferred to the respective log file by pressing the *History* button.
Time data are not documented during offline operation.

5.4. *Deleting users and user authorizations*

The *Delete* button is used to delete the currently marked user and all authorizations assigned to him/her.
Individual user authorizations can be canceled as described under 5.1. by deleting the respective finger assignment.

6. Additional menu functions

6.1. *Information*
Displays information on the software.

6.2. *Shutdown*
Shuts down the program.

7. Notes

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errors and omissions excepted