User Manual

TSE 6401 Software System

Dear Customer,
Thank you very much for your decision for the **TSE 6401 Software System**.

The configuration and administration of the complete locking system is based on the TSE 6401 System Software. Additionally, TRSE 6000 BURG-WÄCHTER safe electronics (safe systems) can be administered using the software versions from 4.1 with the USB adapter from version 2.1.
The particularities, which should be taken into account when administering the safe electronics, are described in a separate chapter. Please read also the User Manual for TRSE 6000 and TRSE 6000 FP in this respect.

From the software version 4.2, also the complete administration of fingerprints can be performed.
In connection with this software, also the last 2400 events per cylinder, or the last 1000 events per safe electronics can be additionally read.

The TSE system software can provide for programming of up to 250 users and 200 locks.

Depending on the version of the particular locks, the operation is based on PIN code, E-Key, fingerscan or a transponder card (guest card).
All transponder cards supporting the ISO 15693 and ISO 14443 A standards can be used.

Permanent radio communication between the cylinder and the software is not necessary.

A link between the USB adapter and the computer over the USB interface is necessary for data transmission. For data transmission, a maximum distance of 25m (typical value) should be provided. This value depends on the environment and thus can vary.
All data transmissions are bidirectional, this meaning from the E-Key to the lock or computer, from the keyboard to the lock and from the computer to the lock and vice versa. Communication of security-relevant data is AES-encrypted.

For writing and reading of guest cards or to program fingerscans, you need the **TSE 6203 Enrollment Unit**.

The software is network-enabled. For the administration and programming of the locking system through a network (LAN, WLAN, WAN), an additional **TSE 6205 NETWORK UNIT** or the **TSE 6204 ADAPTER TCP/IP** including an external USB for the TCP/IP converter is required.

Using the software, you can also manage and administer hotel applications and facilities. You can find information required for this purpose in separate chapters.
The general applications are described first. Here you will learn how to create and administer users, how to create for example timers and allocate them to the particular groups, and how the data transmission runs.
The specializations in hotel or facility applications are given separately, with the basic functions being identical.

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1 Installation in Windows XP, Windows Vista and Windows 7

Systems requirements: Windows XP, Windows Vista or Windows 7 in standard configuration, USB port.
Installation of drivers and software:
Insert the CD and the drivers and the software are installed automatically. Should this not be the case, the

TSE_System.exe

shall be selected by a double-click in the Explorer and the Windows installation sequence executed.

In case the drivers are already present in your computer, they are recognized and the following window is displayed:

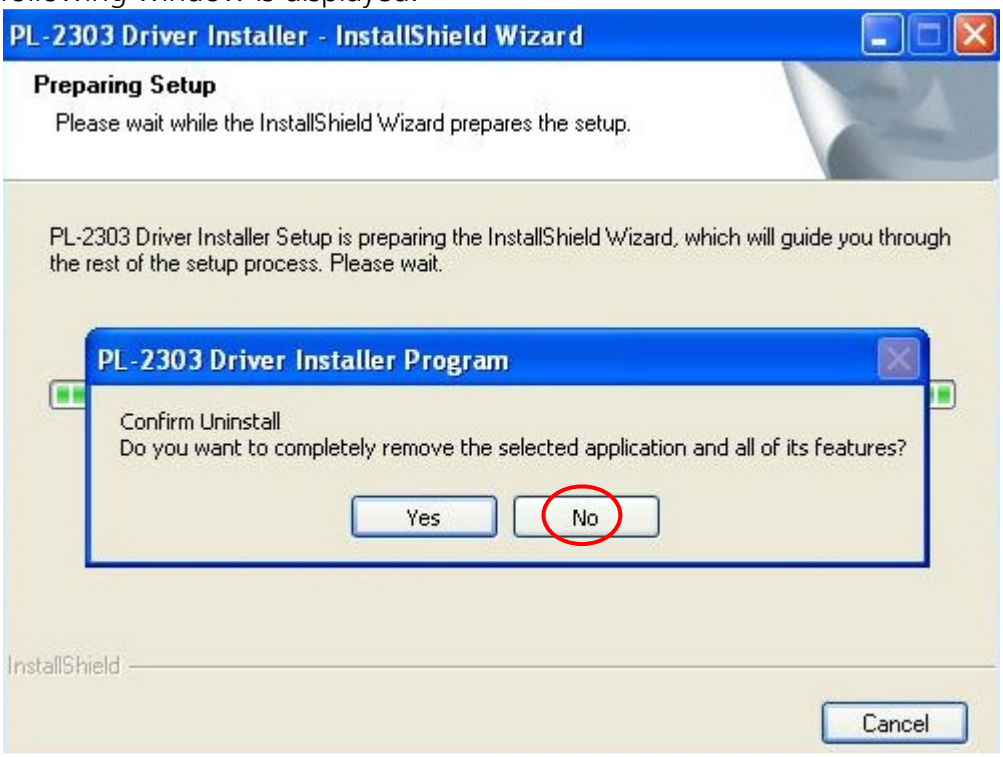


Fig. 1: Installation completed

Reject this prompt and follow the subsequent instructions. After a reboot of the computer, the USB adapter must be plugged to the USB port of the computer in order to be recognized by the system.

In case of problems with the drivers, they can be installed manually. You will find all the necessary drivers in the installation directory. For this purpose, execute the file

PL2303_Prolific_DriverInstaller_v110.exe

and follow the instructions.

The installation has been completed. Now you can work with the program.

2 Initialization

Users with a variety of opening media can be administered using the **TSE Software System**. Both facility and hotel applications can be provided. The opening media include:
Pin code
Electronic wireless TSE E-Key
Fingerscan
Transponder card (user card or guest card)

In connection with the transponder card, two different types of cards are distinguished, the **User Card** and the **Guest Card**.

A user card is a transponder card, which is used to open the locks as a pin code. Timer and calendar functions can be assigned to this type of card and they are valid from the date of their registration in the system to the moment of their **active** removal from the system. Guest cards have a different behavior. They are also transponder cards intended for lock opening. However, their validity is restricted to a defined period of time (e.g. from 02.03. to 03.03.10 or on 15.02.10 from 8:00 to 17:00). Afterwards, their validity expires **automatically.**
TSE 6203 ENROLLMENT UNIT *can be used to store transponder cards in the software. In case you work with guest cards, the locks **must** be initialized before the use in respect of their intended application. The same applies to hotel applications with a guest code. **No** initialization is necessary for all other applications. The initialization is executed using the program **TSE 6000 Setup Software**.

This program is started separately and, because of security reasons, is located in the directory TSE_Setup.

As this program generally needs to be executed only during the initial installation, no link to the start menu or the desktop is provided.

To initialize, please start the program **TSE 6000 Setup Software.**

Please note that during the initialization no other BURG-WÄCHTER USB adapters (Enrollment Unit, network adapter) are to be connected.

Should you receive an error message when starting up the TSE 6000 Setup Software, the **Microsoft.NET Framework 2.5.exe must be started.** It is provided on the CD.
The application can be easily started then.

When executing TSE6000_Setup.exe, the following window is displayed:

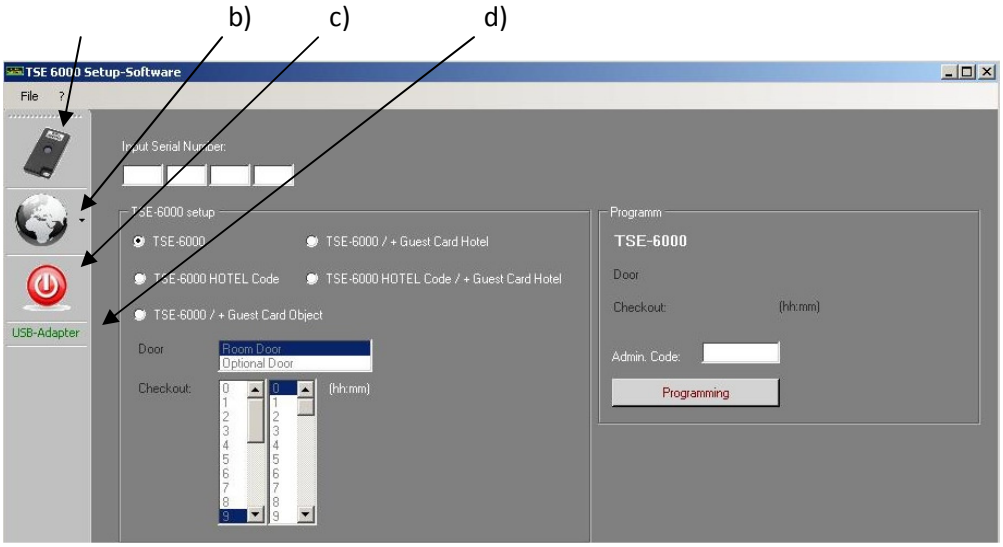


Fig. 2: TSE 6000 Setup Software

You have the following setup options using the symbols on the left:

Symbol a)
In this way you can make a manual setup of the USB ports. On delivery, automatic USB port identification is activated.

Symbol b):
In this way you can select different languages.

Symbol c)
By clicking this symbol you exit the TSE 6000 Setup Software.

Symbol d)
In this way you can see, whether the USB System Wireless Adapter included in the delivery is plugged in. If this is the case, the USB adapter logo is displayed in green, otherwise it is displayed in red.
The appropriate USB adapter must be plugged in for data transmission!

The individual allocation of the locks (initialization) is based on:

The entry of the serial number and

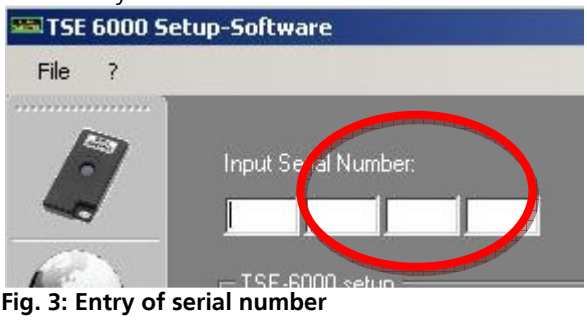


Fig. 3: Entry of serial number

Selection of TSE 6000 Setup referring to the initialization of the locks

The following selection options for the initialization of the cylinders are available:
TSE 6000 (reset of the database; this deletes all user data)
TSE 6000 HOTEL CODE (pure hotel application: use of the system in connection with guest code)
TSE 6000/+ Guest Cards Hotel (hotel application with guest cards)
TSE 6000 HOTEL CODE/+ Guest Cards (hotel application with guest code **and** guest cards)
TSE 6000/+ Guest Cards Facility (facility application with guest cards)

Depending on the selection in the lock setup, the user interface for subsequent specifications is adapted.

2.1 Conversion of TSE 6000 cylinder to the use of TSE 6000 HOTEL Code

To convert the TSE 6000 cylinder to the use of a particular TSE 6000 HOTEL Code, please proceed as follows:

Enter into the software the serial number of the cylinder to be programmed. The serial number is enclosed in the package. In case you do not have it available any more, you can have the serial number displayed using the keyboard of the particular cylinder. Further details are provided under the section *Storing keyboard*.
Now switch correspondingly to TSE 6000 HOTEL Code. The Software Setup window looks like this:

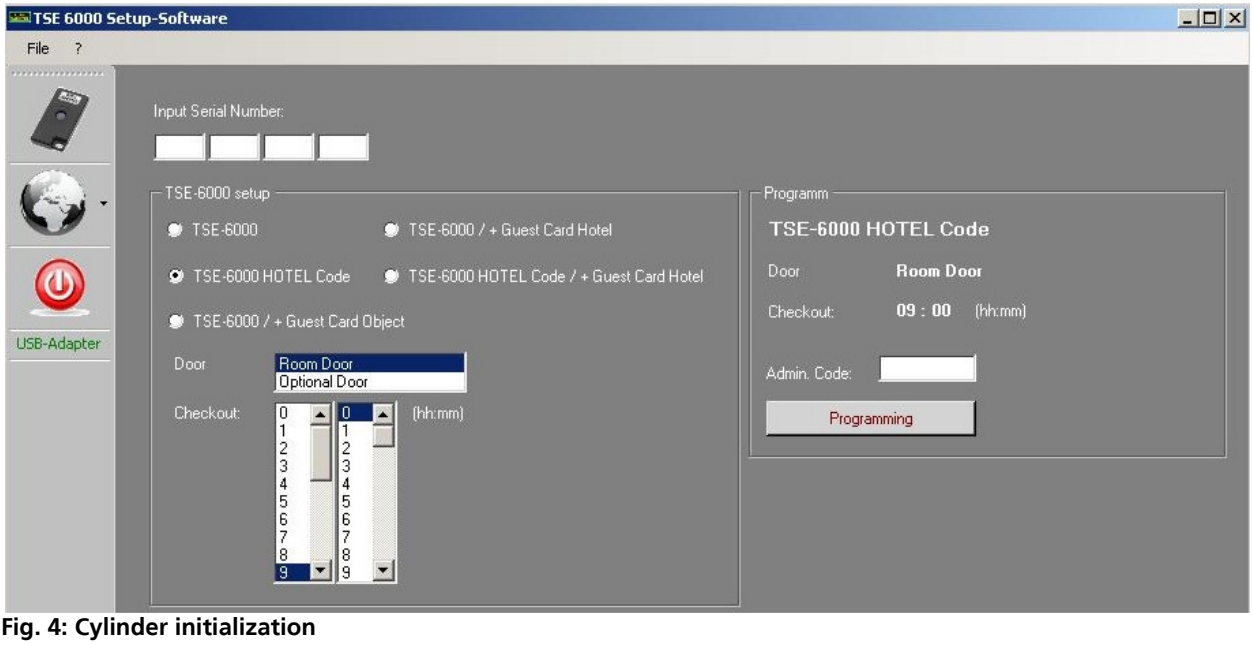


Fig. 4: Cylinder initialization

You recognize that you are able to make a selection under *Door* and under *Checkout*. If Door is selected, then

Room door and
Optional entrance (common doors)

are distinguished.
Room door refers to the guest room door, optional entrance describes common doors, to which the guest can be provided access (e.g. main entrance door, wellness area door, garages, ...).

Additionally, the checkout time of the guests can be optionally specified here. After this time, the validity of the access expires automatically.

Enter the administrator code and press *Programming*.
Details are provided in the **TSE HOTEL** manual.

2.2 Conversion of TSE 6000 cylinder to the use of TSE 6000/ + Guest Cards Hotel

To convert the TSE 6000 cylinder to the use of the Guest Cards hotel application, please proceed as follows:

Enter into the software the serial number of the cylinder to be programmed. The serial number is enclosed in the package. In case you do not have it available any more, you can have the serial number displayed using the keyboard of the particular cylinder. Further details are provided under the section *Storing keyboard*.
Now switch correspondingly to TSE 6000 / + Guest Cards Hotel, enter the administrator code and press *Programming*.

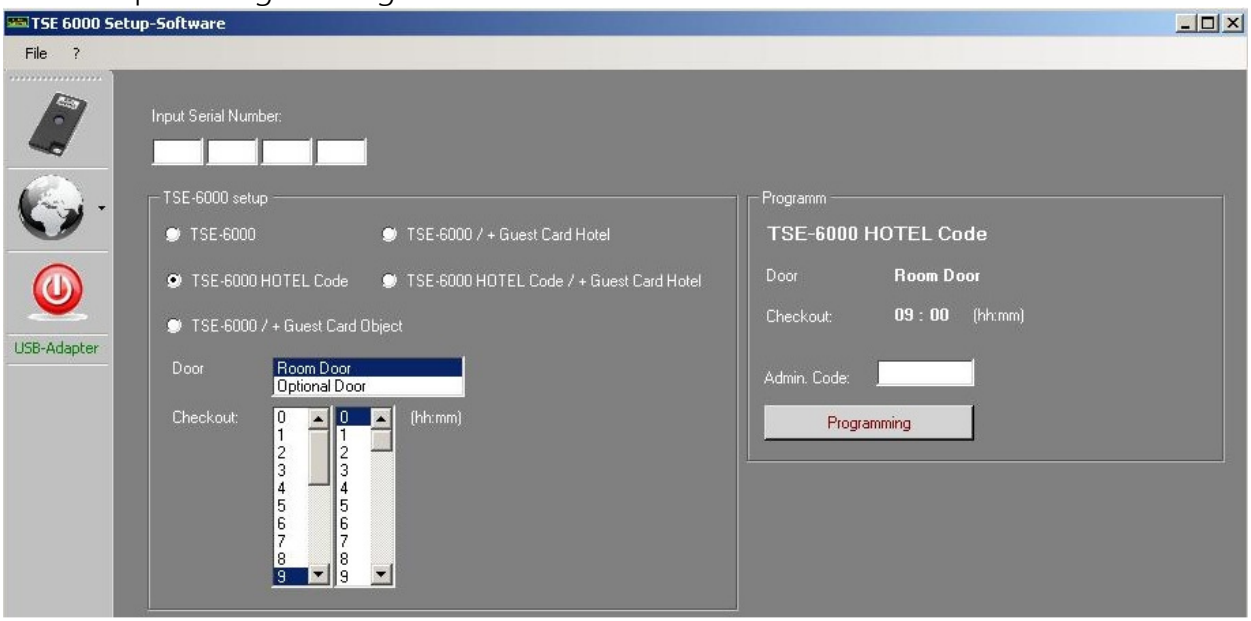


Fig. 5: Cylinder initialization

On selection of this guest card application, the fields for the door selection and the selection of the checkout time become automatically inactive. The appropriate setup is made in the software.

2.3 Conversion of TSE 6000 cylinder to the use of TSE 6000 HOTEL Code/ + Guest Cards Hotel

The TSE 6000 HOTEL/+ Guest Cards Hotel Setup is a combination of the TSE 6000 HOTEL Code and TSE 6000/ + Guest Cards Hotel modes.
The initialization is made similarly.

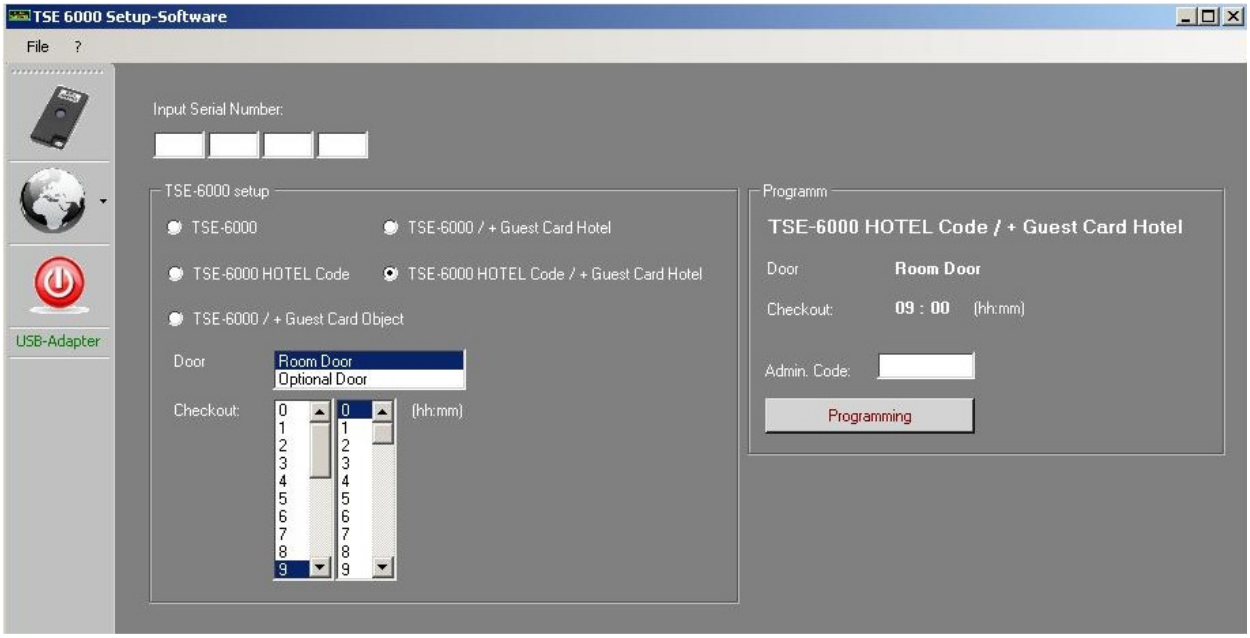


Fig. 6: Cylinder initialization

You recognize that you are able to make a selection under *Door* and under *Checkout*. These specifications are important when the cylinders are used for hotel code applications. If guest cards are to be programmed, this allocation is provided in the software. The electronics can automatically distinguish between the two applications. Possibly different entries are processed appropriately and present no problem for the operation.
If Door is selected, then

Room door and
Optional entrance

are distinguished.
Room door refers to the guest room door, optional entrance describes common doors, to which the guest can be provided access (e.g. main entrance door, wellness area door, garages, ...).

Additionally, the checkout time of the guests can be optionally specified here. After this time, the validity of the access expires automatically.

When the initialization is completed, you can start the **TSE 6401 Software System.**

2.4 Conversion of TSE 6000 cylinder to the use of TSE 6000/ + Guest Card Facility

To convert the TSE 6000 cylinder to the use of the Guest Card facility application, please proceed as follows:

Enter into the software the serial number of the cylinder to be programmed. The serial number is enclosed in the package. In case you do not have it available any more, you can have the serial number displayed using the keyboard of the particular cylinder. Further details are provided under the section *Storing keyboard*.
Now switch correspondingly to TSE 6000 / + Guest Cards Facility, enter the administrator code and press *Programming*.

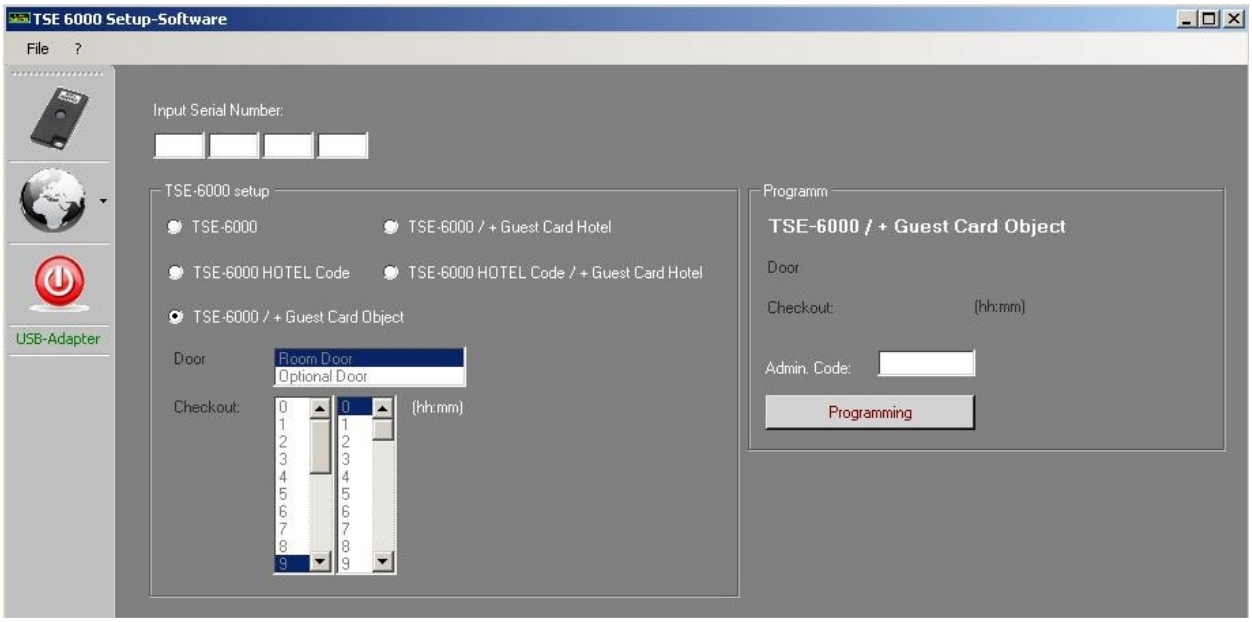


Fig. 7: Cylinder initialization

On selection of the facility application, the fields for the door selection and the selection of the checkout time become automatically inactive.
Besides this, the doors are automatically declared as optional entrances on the assignment.

3 Programming of safe electronics

Besides administration of access doors, also safe electronics can be administered using the software. Different conditions apply to this administration, which are described in detail in this chapter or at the corresponding points in the software. **Please read also the User Manual for TRSE 6000 and TRSE 6000 FP in this respect.**

Attention: In case of administration of safe electronics using the software, the data must be stored on a removable data carrier. Their saving in a computer is not admissible and is not allowed by the system.

If the safe electronics data is administered using the software with the program not starting from a removable data carrier, the following error message is displayed:

Fig. 8: Prompt on removable data carrier

Start the program from a removable data carrier.

The system also identifies that the DAT folder is copied from the removable data carrier to the computer hard disk and denies the access.

The removable data carrier should be stored at a safe place (e.g. a safe) after the programming. Please note that the software links to the desktop or the Start menu do not exist any more after the copying to the removable data carrier, however, they can be created manually when required.

In order to enhance the protection against intrusion, the following points should be observed:

For locking systems with material code carriers, e.g. an E-Key:

The code carrier should be consistently stored safely, so that it is accessible only to the authorized persons.

In case of a loss of the code carrier, the lock should be immediately replaced or converted to a new combination by changing the coding, and/or the code of the lost code carrier should be blocked/deleted.

For locking systems requiring a code:

No personal data (e.g. dates of birth) or other data, for which a link can be derived to the code owner, should be used for coding.

If the code is stored in writing, such document should be consistently stored safely, so that it is accessible only to the authorized persons.

Attention: Any changes of the administrator code and of the user codes shall be made with the safe door opened.

When the locking system has been reset to another code, this new code should be repeatedly used with the safe door opened.

Please note that the number of users in the safe electronics is restricted to 9 pin code users and one administrator on account of the lock security class. Besides this, up to 299 E-Keys can be stored per unit.

In case you posses safe electronics with a fingerscan unit, up to 20 fingerscans can be additionally created. Presently, fingerscan data are stored into the safe electronics directly. When programming is done using the software, these fingerscans remain in the electronics, provided the control field *"Fingerscan data to be overwritten!"* is **not** checked (refer to Chapter Data transmission).

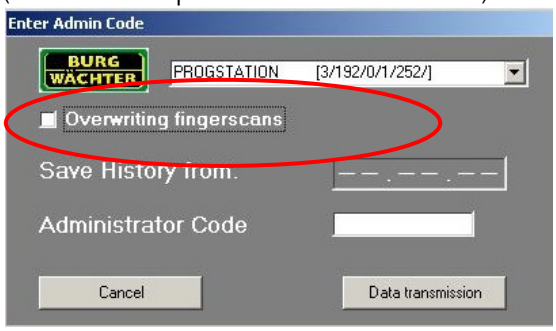


Fig. 9: Inquiry during programming

When programming fingerscan safe electronics, the following shall be born in mind:

- At least two opening codes shall be entered to open the safe using fingerprint; another opening code must be entered in addition to fingerscan. This can be either another fingerscan, but also a pin code or an additional E-Key.
- All the fingerscans are stored in the system with a value of ½. In order to acquire the authorization to open, a value of at least 1 must be achieved. A pin code for the opening must therefore be entered with a value of at least ½. A similar case is opening with an additional fingerscan (a total value of 1). Please read the corresponding chapter on setting the values (rights).
- For safe electronics versions V4.1 and lower, **the right FS+ must be selected in the rights management of the software.** This applies to pin code, as well as to **E-Key**.

Attention: For security reasons as related to programming using the software, it is not allowed to communicate all the opening codes to a single user in case three opening codes are used (value A fingerscan is ½, value B 1/3, value C 1/3).

Example:
User A has defined his finger in the system as opening code (its value is ½). This user can be still authorized in the system with an additional opening code with a value of 1/3. A user B now needs an additional opening code with a value of at least 1/3.
In data transmission, an error message is created when the number of users is exceeded. In such case, the assignment of users for safe electronics shall be adjusted in the user administration menu. **No data transmission is possible without such adjustment.**

4 Program start

Start the TSE 6401 software system.

Fig. 10: Start window

A green square in the bottom left screen area indicates that a valid USB adapter is connected to the computer, a red square means that either no USB adapter has been plugged or the drivers have not been installed appropriately. In case a yellow square is indicated, a USB adapter invalid for the particular software is plugged in (e.g. an adapter intended for the TSE Software Light).
The system automatically recognizes whether a USB adapter applicable for the particular software is plugged.

All the settings can be made in the menu bar. They are described in detail in the subchapters.

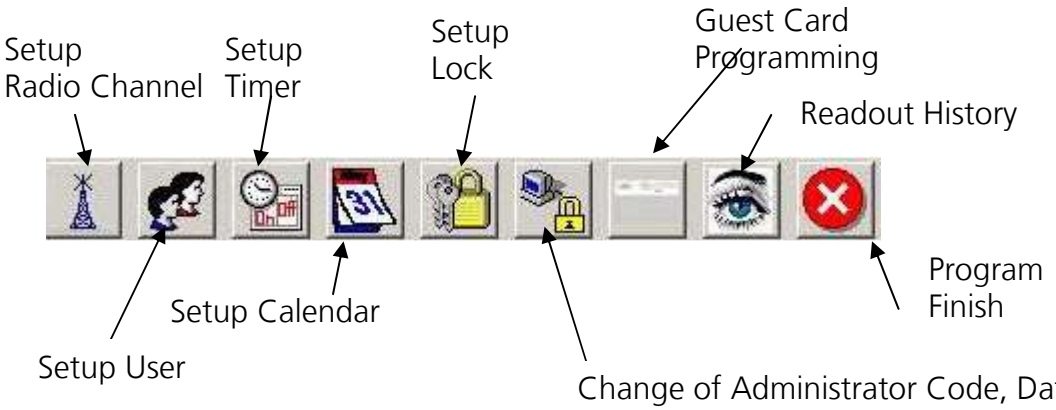


Fig. 11: Menu bar

The File menu allows you to set up the language and select the USB port. When the USB port setup is selected, a window containing a list opens, in which the USB adapter for the TSE software system and, if available and activated, also the TSE network adapter are indicated. The adapter for the software is always indicated under the reference of *Progstation* in the list and cannot be changed.

The network adapters are products **TSE 6205 NETWORK UNIT** and **TSE 6204 ADAPTER TCP/IP**. They are used in case data transmission should lead over longer distances within a building or from or to another building or external area. A typical operating range of the USB adapter is up to 25m. This value depends on the surrounding environment and can vary in both directions. In case of doubt this should be tested in the facility.
The **TSE 6204 ADAPTER TCP/IP** can be connected to a USB to TCP/IP converter (e.g. Lantronix, SEH). Together with the internal software of these devices, corresponding communication is possible. The adapter intended for communication with a particular lock is selected in the *Setup Locks* menu. The **TSE 6205 NETWORK UNIT** with an integrated TCP/IP adapter is an already preset unit for these applications.
The network-enabled units must be configured separately and are not included in the delivery.
The *Identify TSE network adapter* button can be used for displaying all the activated adapters available within the network.
If network wireless adapters are found, the network adapter assigned based on *Lock adjustments* is selected for data transmission and it is then used for forwarding the data to the particular lock.
Automatic USB port identification is activated in the default state. The *Status* field indicates, which adapters have been found and are active (green). The name can be specified individually by selecting the corresponding field by double clicking it in the *Naming* column (excluding Progstation). The Number field indicates the COM port, to which the software adapter is connected (a maximum number of available COM ports: 15). The specifications have to be saved.

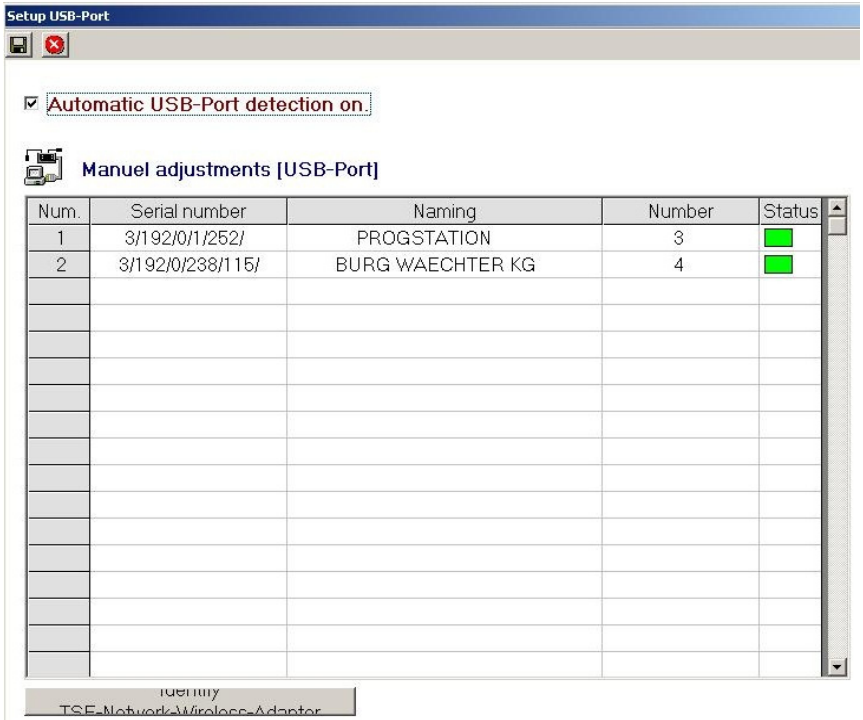


Fig. 12: Configuration of TSE network adapter

4.1 Setup Radio Channel

In this menu item the radio channel for data transmission is specified. This is of fundamental importance, as the radio channel selected here defines the channel setup of the executive unit.
The following window opens when the *Setup Radio Channel* menu item is selected:

Fig. 13: Selecting Radio channel

Channel setup of the units can be made here. Channel 1 is always preset as a default value. If another channel is selected for data transmission, it is used automatically when data transmission takes place. Data transmission is executed in the newly defined channel.

Attention: The new radio channel should be, if available, adjusted in advance using the keyboard. Please find detailed instructions in the manual provided with the keyboard*.

Also the E-Key and the TSE Switch must be adjusted to this radio channel (chapter Synchronizing E-Key/Switch).
For this purpose the menu item Admin Setup *Radio Channel* shall be selected*. The radio channel can be changed after entering the administrator code. **The radio channel indicated on the keyboard display must correspond to the channel selected in the software. Otherwise data transmission is not possible.**

The radio channel selected in the *Setup Radio Channel* menu item will be used for all locks.

In any case, the default factory-set or the selected radio channel must be saved using the  icon.

In case other devices (e.g. W-LAN, Bluetooth, Bluetooth Headsets, etc.) interfere with wireless transmission, an radio channel should be adjusted as far as possible from the three channels.

*only if keyboards (Pin-code units) are placed

4.2 Setup User

User administration can be accessed using the icon  on the start page. The individual users can be edited here.

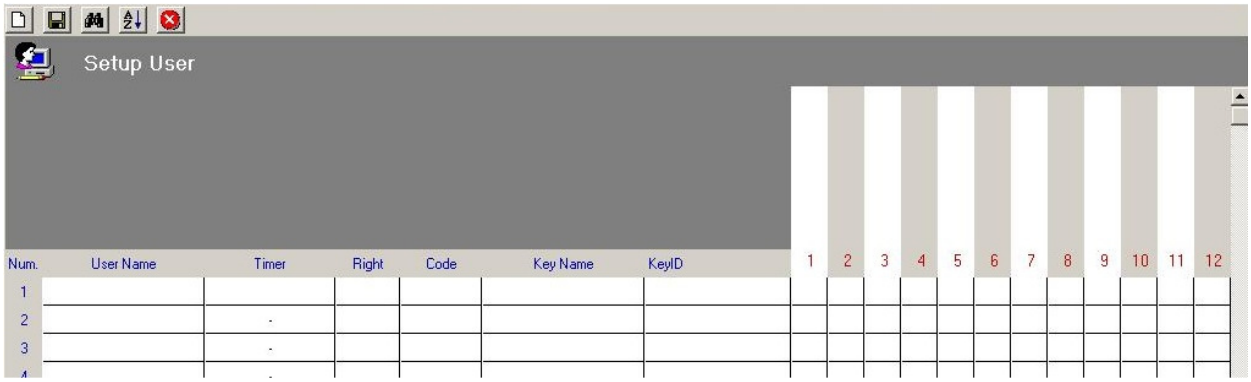


Fig. 14: User administration

Users can be created and configured in this menu item. For example particular rights and opening codes are assigned to a user. Besides this, E-Keys, transponders or fingerscans as opening media and timers for limited access can be allocated to the user.
The horizontal heading bar of the table is automatically filled with lock names as soon as specifications are made in the *Setup Locks* menu item.

In order to assign a user to a lock, an assignment shall be done by clicking under the locks. Users with and without fingerscan are distinguished. If a user with fingerscan should be assigned to a lock, double clicking the corresponding field is required. After a single click. the symbol  appears at first, and the symbol  after an additional click. For assigning a code, an E-Key and/or a transponder, the symbol  shall be selected.

Attention: Users wishing to open a certain lock using fingerscan in addition to a code, an E-Key and/or a transponder, shall be created separately.

The assignment to the individual doors is mutually independent, so that a user can be assigned to the locks with fingerscan, as well as with the other opening codes.
The following illustration should make this clear:

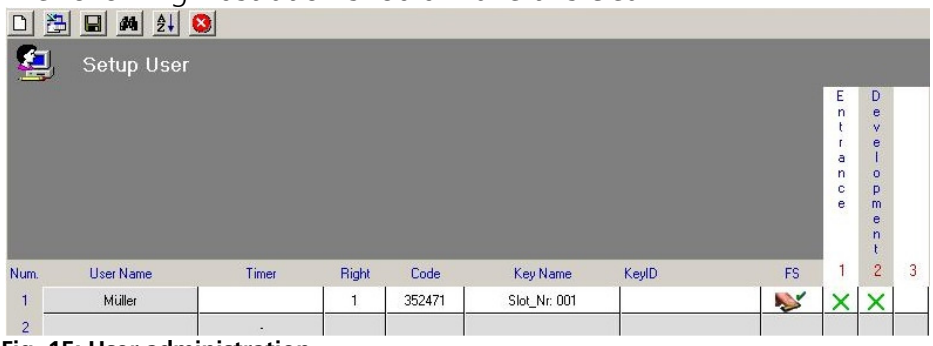


Fig. 15: User administration

The user Müller has a right to open the locks Entrance and Development using his fingerscan.

The following table provides information on the individual entry options within User administration, with detailed information in subchapters:

Selection fields	Entry/selection options
User name	Max. 16 characters long. After the name is typed in the timer and the right are set, which can be changed afterwards. (no special characters) e.g. Walter Schmidt
Timer	- (no timer)
	A
	B
	Timer sets
Right	1 Full individual access right
	1/2 Access only with an additional person
	1/3 Access only with two additional persons
	0 No access
	Admin Complete access and programming rights
	FS+ for safe electronics with fingerscan unit
Opening code	6-digit numeric entry e.g.: 547896 or 6-digit character entry e.g.: Sommer (this corresponds to numeric entry 766637 on keyboard)
Description	Identification of the E-Key, TSE Switch, fingerscan or transponder max. 16 characters long e.g. Building door, a slot No is defined for FS
KeyID	Function for the use of E-Key, Switch and transponder
FS	Function for the administration of fingerprints

Fig. 16: Entry options in user administration

Using the button  , you can output the data in the CSV format for printing.

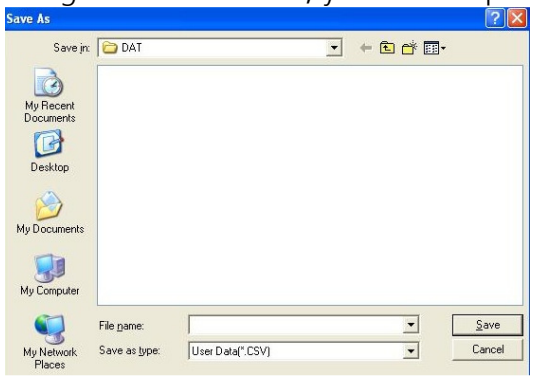


Fig. 17: Window for saving

To do this, proceed as follows:

- Button 
- Define the storage place.
- Open the file using e.g. the editor or EXCEL and print it.

The storing of an E-Key, a TSE Switch or a transponder card is also made via *Setup User*. The right mouse button in the field *Key ID* opens the submenu. Details are described in chapter *Key ID*.

The allocation of rights has effect on each ident medium!

When the configuration has been completed, the user record is stored in the system using the icon  .

All original data can be restored using the icon  .

For an easier work with door assignments it is possible to fill several fields at the same time using the cursor keys (e.g. for faster allocation of the individual doors). For this purpose, the mouse pointer must indicate the initial field (do not click). The required fields can be then marked using the *Shift* key and the arrow keys. The fields are then posted with *Enter*. If these fields are already filled, their deletion can be achieved in a similar way, in which case the function works inversely.
If a user should be completely deleted, this can be done by selecting the function *Delete* using the right mouse button over the corresponding *User name* field. Individual fields can be deleted by marking the corresponding field and applying the Delete function (right mouse button).

4.3 Setup Timer

Access times are defined here, which can be subsequently assigned to the users.
If no access times are assigned to a user (the Timer field in the *Setup User* remains empty), the user is authorized to access with no time restriction.

Two categories of timers are available:

- User Timer – UT (allocation of timers to the users)
- Permanent Timer – PT (allocation of timers to the locks for the purpose of the permanent opening function)

Additionally, a possibility is provided to define basic settings for guest card applications in the timer setup.

Using the Timers button you reach the timer selection.

Fig. 18: Timer

The timer data can be output in the CSV format using the button  (see Chapter User administration).

4.3.1 User Timer

10 different time periods (Timers) and 7 Timer sets are available in the user Timer area. By double clicking within the *Day* column a window opens proposing a selection of time periods (days). Select as required by a double click. Then enter the time, from which the particular person should be granted access, under *Start.* Enter the time at which the access authorization should expire under *End*.

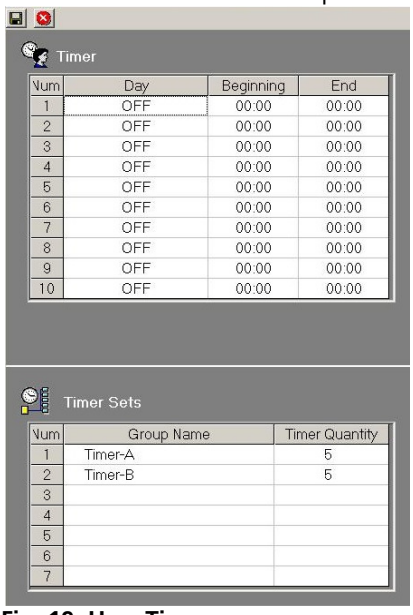


Fig. 19: User Timer

In the *Timer sets* column in line 1 and line 2, the Timer set A and B are indicated.
Executive units of older origin can be programmed with regard to access times exclusively using these two sets.
You can allocate up to 5 T*imers* into each of these *Timer sets*. The lines 1-5 are automatically assigned to T*imer A*, the lines 6-10 are automatically assigned to T*imer B*.
When you move the cursor over the corresponding Timer (Timer A in our case), a window opens, in which the times of the first five Timers are listed.
You can then specify the data for Timer B in a similar way.

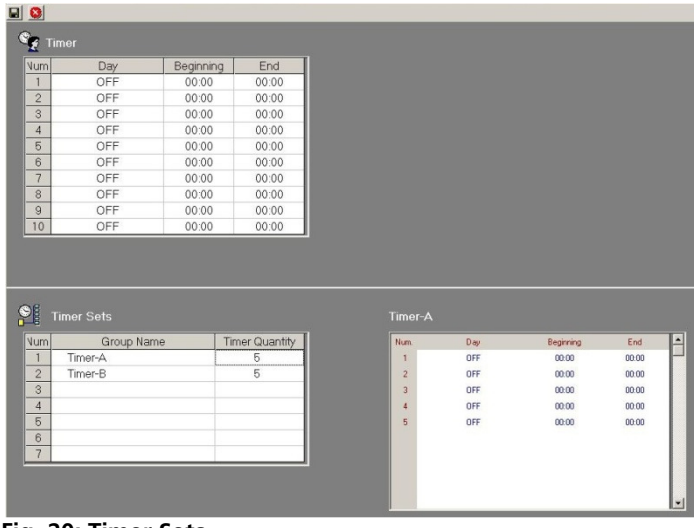


Fig. 20: Timer Sets

Attention: If no time period is specified, the particular lock is open with no restriction for

the assigned user.

Please note that in case of overlapping times in a lock, the earliest of the specified beginning and the latest of the specified end times are always taken into account.
The administrator is subject to no Timers and is granted **unrestricted** access.
The remaining 5 T*imer sets* are available for executive units of later dates.
After double clicking the corresponding field in the column *Group Name* you can specify a name and you can right click the corresponding field under the *Timer quantity* column to allocate Timers to groups.

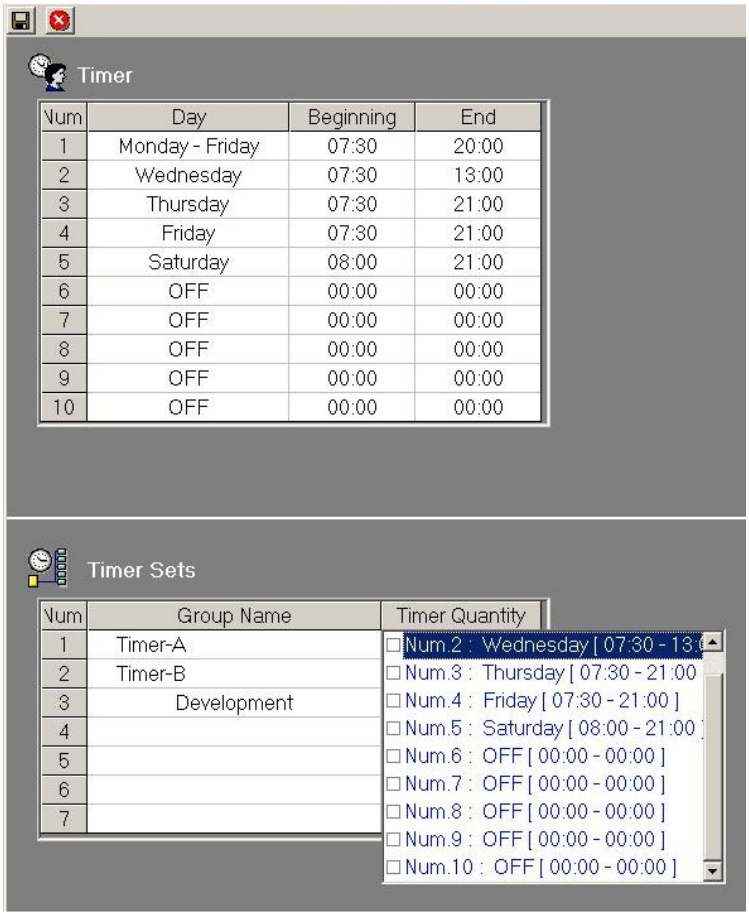


Fig. 21: Timer Sets

In case no older executive units are available, T*imer A* and T*imer B* are simply disregarded and they use all *10 Timers* as required.
The specified T*imer Sets* are subsequently allocated to particular persons in *Setup User*!

In executive units version 3.0 and lower only 2 Timers with 8 Timer sets may be programmed.

Save your entries and close the window.

4.3.2 Permanent Timer

The *Permanent Timer – PT* menu provides you with a possibility to specify time values intended for a permanent opening function for the individual door locks.
When the permanent opening function is activated, access without identification is possible.
Within these periods of time, the locks are in unblocked state.
5 T*imers* and 5 T*imer sets* are available for this purpose.
The programming is done in the same way as described in chapter ***User Timer***. In addition, the permanent opening function identifies the related timers. This can be explained in the following example:
Monday - Friday Beginning: 14:00 End: 16:00
Monday - Friday Beginning: 16:00 End: 18:00
If the user opens on Tuesday at 15:33 the locking system permanently, the opening time will be to 18:00 (inclusively). In the following example, also a midnight transition can be provided:
Monday - Friday Beginning: 22:00 End: 23:59
Monday - Friday Beginning: 00:00 End: 06:00

4.3.3 Timer Setup

You need this function when using the software either for facility applications with time-limited guest cards or for hotel applications with guest cards. The basic settings required for these applications are made here.
The functions intended for this purpose are explained in a separate chapter.

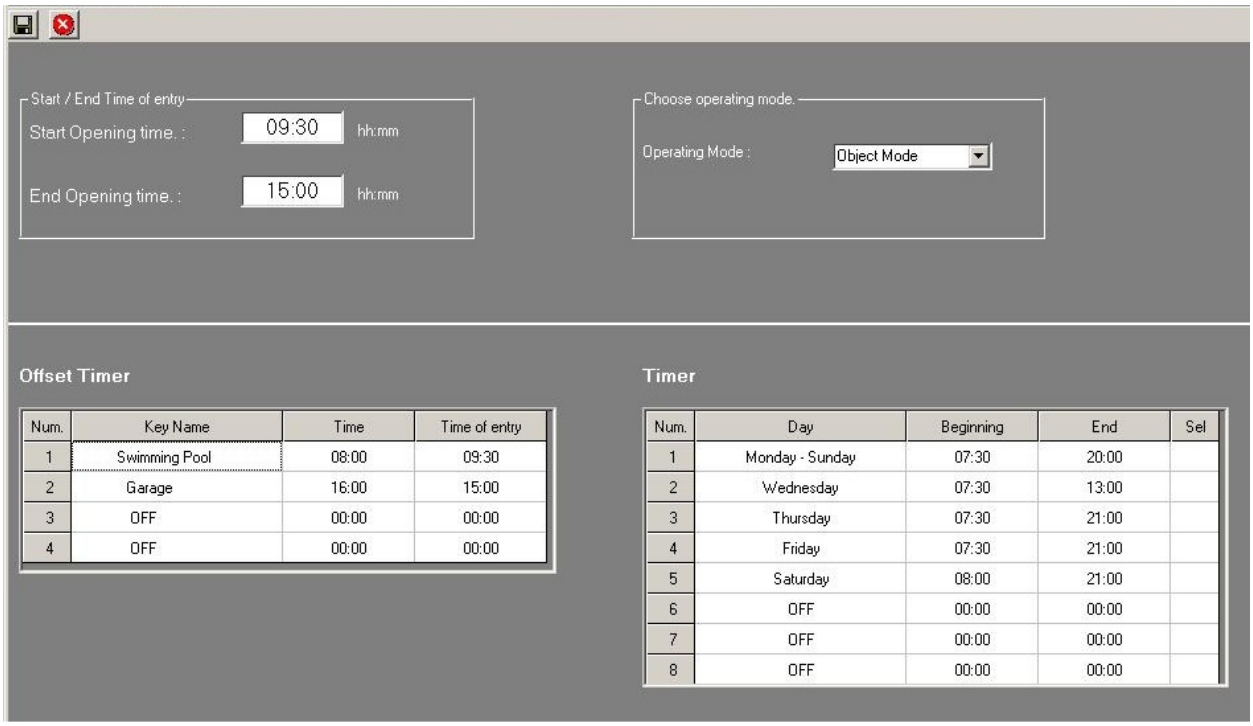


Fig. 22: Timer Setup

4.4 Setup Calendar

Holidays and vacations are defined here. A single day or a period of time can be selected. Permanent, i.e. annually repeated, and individual, i.e. each year differing, holidays are distinguished.
You can call the calendar functions using the *Setup Calendar* menu item.

Fig. 23: Setup Calendar

During the programmed holidays/vacations, the lock is blocked for the users subject to a timer function.
This does not apply for all other user and for the administrator.

4.4.1 Calendar of permanent holidays and vacations

Permanent holidays are fixed to a certain date, such as New Year or Christmas. They are transferred to all subsequent years and do not need to be programmed again.

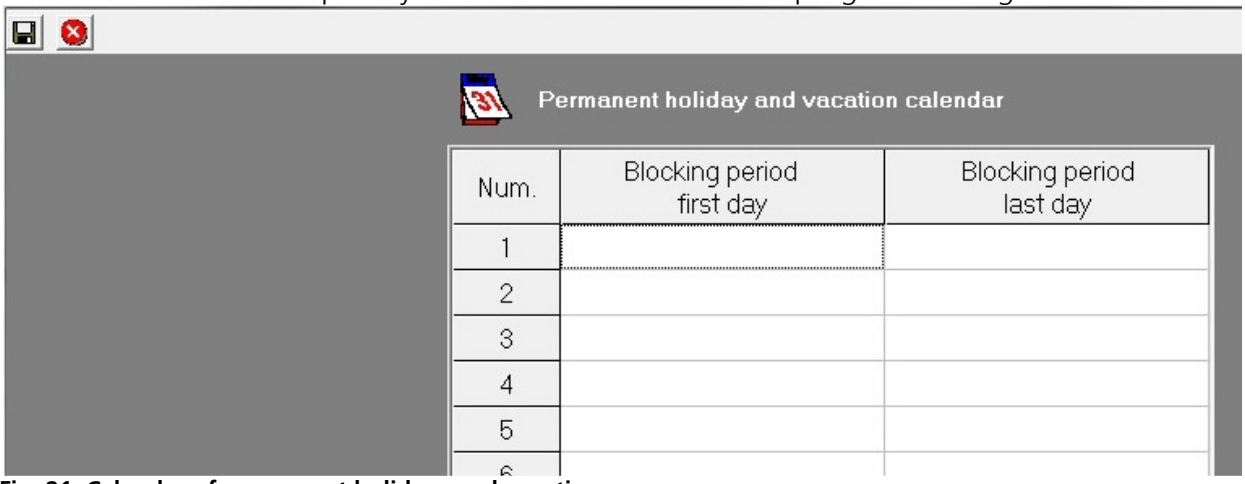


Fig. 21: Calendar of permanent holidays and vacations

4.4.2 Calendar of one time holidays and vacations

This is a calendar with one-time holidays such as Easter or leave. This data is automatically deleted in the executive unit after expiry. They must be manually deleted/changed in the software area.

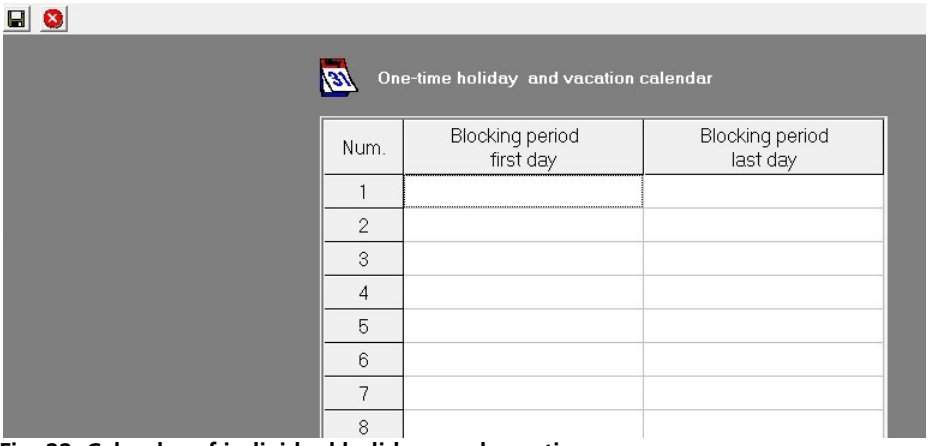


Fig. 22: Calendar of individual holidays and vacations

The entries can be saved using the  icon.

The calendar data can be output in the CSF format using the button  (see Chapter User administration).

4.5 Access rights

The access rights are configured and assigned to the individual users in the *Setup User* menu. In the rights management, a total value of exactly 1 must be achieved for access authorization. From version 2.8 of the executive unit, the opening is allowed also in case the value of 1 is exceeded.

1	Full individual access right
1/2	Access only with an additional person
1/3	Access only with two additional persons
0	No access
Admin	Complete access and programming rights
FS+	for safe electronics with fingerscan unit version 1.0. This right is omitted for safe electronics versions 1.1 and higher.

Fig. 24: User rights

The right **FS+** shall be selected only for safe electronics version 1.0 in combination with fingerscan. With higher versions, the authorization to open for safe electronics with fingerscan is based on the authorization rights. The value of fingerscan is automatically set to ½ for safe electronics with fingerscan. The authorization to open is then reached thanks to a combination with an additional user with a similar half value or with two users with values of 1/3.

E-Keys, fingerscans and transponder cards have the same access rights as indicated in the *Setup User* menu.

4.6 Key ID

In the menu item *Setup User =>Key ID*, E-Keys as well as the **TSE 6104 CARD** and the **TSE 6202 SWITCH** can be administered. In case a change of the radio channel occurs, it is also possible to synchronize newly an E-Key or a TSE Switch.
The transponder cards programmed here are also referred to as user cards in the following text.

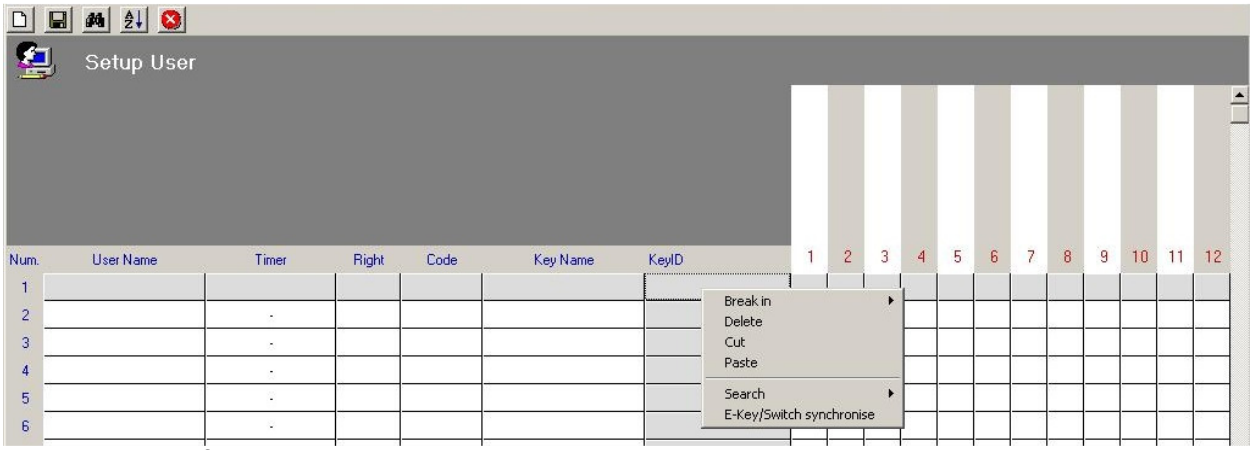


Fig. 25: Variants of E-Key assignment

The following individual options are available using the left mouse button, which are discussed below:

- Break in E-Key/Switch and transponder
- Delete
- Cut
- Paste
- Search for E-Key/Switch and transponder
- Synchronize E-Key/Switch

4.6.1 Break in E-Key/Switch

This subchapter describes the storing of the TSE E-Key and the **TSE 6202 SWITCH**. The **TSE 6202 SWITCH** is a switching unit, using which TSE units (TSE cylinder, **TSE 6201 CONTROL**) can be controlled by means of a management and control unit provided.

If the E-Key has not been saved for any unit yet, you have to press the button on the E-Key only once and the LED flashes once. If the E-Key has not been assigned to any unit yet, you have to press the button on the E-Key only once and the LED flashes briefly. The TSE Switch is to be briefly energized correspondingly during this period.
If an E-Key or a TSE Switch is to be assigned, which had already been assigned to a unit before, it shall be brought into the programming mode by pressing the button for approximately 10s. When this mode has been achieved, the LED on the E-Key flashes three times briefly. The TSE Switch is to be briefly energized correspondingly during this period.

- To break in an E-Key/Switch, proceed as follows:
- Click the field Key ID, and a popup window opens
- Break in => select E-Key/Switch

- A window is displayed with an inquiry on blocking of the subsequent calendar changes on the keyboard.

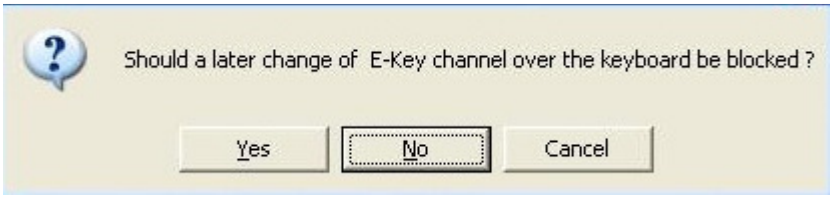


Fig. 26: Channel changes

The following note is displayed in both cases:

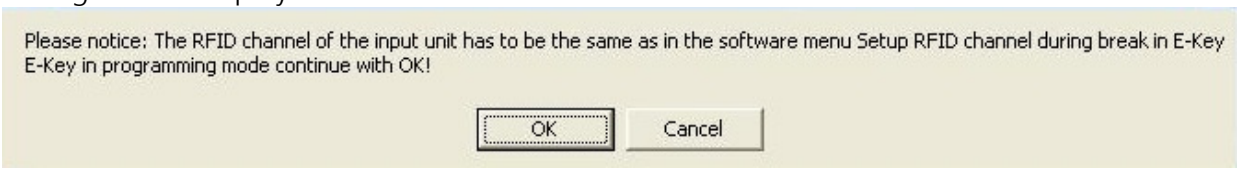


Fig. 27: Channel changes

- Decide on whether radio channel changes should be blocked or not.
- Bring the E-Key into the programming mode and start data retrieval by ENTER, or, in case of a TSE Switch, bring the unit into the required state based on its operating instructions and start data retrieval by ENTER.

The serial number is automatically displayed in the corresponding field.

4.6.2 Break in Transponder

In order to store the transponder card you need the TSE 6203 Enrollment Unit. It is to be connected using an USB cable. To break in a transponder card, proceed as follows:

- Click the field Key ID, and a popup window opens
- Put the transponder card on the Enrollment Unit*
- Break in => select Transponder

The serial number is automatically displayed in the corresponding field.

4.6.3 Searching for E-Key/Switch

In order to identify the owner of an E-Key/Switch, please proceed as follows:

- Click the field Key ID, and a popup window opens
- Select E-Key/Switch search
- Bring the E-Key into the programming mode (by pressing the button on the E-Key for approximately 10s until the green LED flashes three times briefly) and start data retrieval by ENTER, or, in case of a TSE Switch, bring the unit into the required state based on its operating instructions and start data retrieval by ENTER.

The appropriate user is marked in the window.

4.6.4 Searching for transponder

In order to identify the owner of a transponder card, please proceed as follows:

- Click the field Key ID, and a popup window opens
- Select Search => Transponder
- Put the transponder card on the Enrollment Unit*

The appropriate user is marked in the window.

4.6.5 Synchronizing E-Key/Switch

In case the system radio channel has been changed in the course of programming, all the relevant E-Keys or TSE Switches have to be adjusted to the newly active system radio channel, the units have to be synchronized. In order to indicate this visually in the software, the serial number of the E-Key/Switch in the *Setup User* window is displayed in red.
In this situation, the following steps shall be taken:

- Click the field Key ID, and a popup window opens
- Select E-Key/Switch synchronize
- Bring the E-Key/Switch into the programming mode (by pressing the button on the E-Key for approximately 10s until the green LED flashes three times briefly) and start data retrieval by ENTER, or, in case of a TSE Switch, bring the unit into the required state based on its operating instructions and start data retrieval by ENTER.

The color of the serial number changes from red to black and, besides that, a message is displayed that the adjustment was successful.

If a channel adjustment for an E-Key or the TSE Switch should **not be synchronized yet** and the original values should be restored, you can use the function *All E-Key designation reset*. In such case, the marking (in red) is simply reset to black. The function *E-Key/Switch synchronize* would lead to the same result.

Before creating the E-Key or the TSE Switch, the radio channel of the lock in the software must be specified. It must correspond to the keyboard radio channel. It is necessary to take into account that an E-Key or a TSE Switch can be created always for a single user only.**
From version 2.8 of the executive unit, also the E-Key or the TSE Switch is subject to the settings made under the menu item Setup User with regard to access authorizations. In case a user is assigned a code and an E-Key and the right ½ in the user administration, he nevertheless needs an additional user in order to achieve a right to open of at least 1. He is still not allowed to open with E-Key and code, although his total makes the right 1.

4.6.6 Fingerprint administration

Attention: The fingerprint administration relates only to door locks and thus cannot be used for programming of safe locks. Fingerscans, which should be programmed into a safe, must be saved directly on the fingerscan readout unit of the safe lock!

A total number of 250 fingerscans can be administered using the software system.
Up to 45 premium fingers can be assigned per TSE lock depending on the fingerscan version. When an update process is started, a warning message is given when the number of premium fingers is exceeded, notifying on a correction in assignment.
The following types are distinguished:

- Premium finger
- Standard finger

This discrimination has no influence on the authorization; it is intended exclusively for a faster verification. Premium fingers are preferred during verification and, thanks to a simpler operation, they are easier to use. They are fingers, which authorize to open the lock with no additional entry of a verification code. In case of a standard finger, an additional verification code, determined by the system, must be entered. The leading zeroes are **not** entered.
In the column FS (fingerprint administration), the fingerprints are stored and administered in the system using the software:

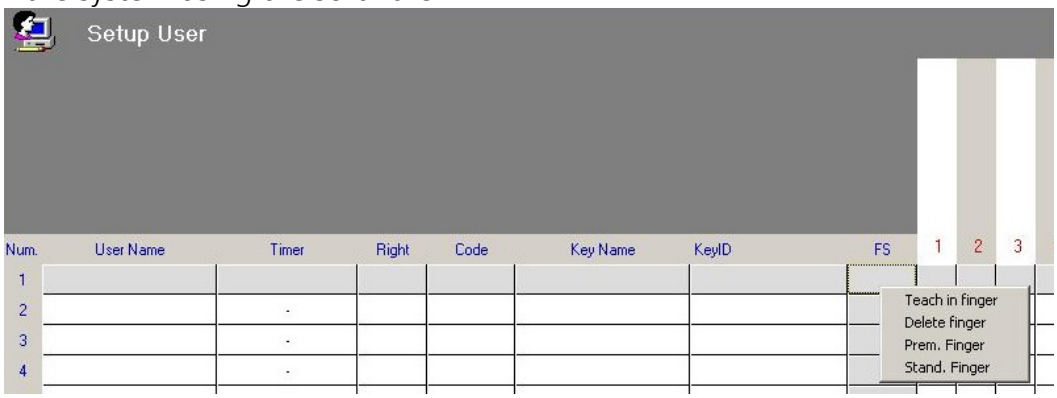


Fig. 28: User administration

To brake in a finger, proceed as follows:

- Select Finger Breake in
- Follow the instructions on the display and move the finger to be stored several times over the sensor of the TSE Enrollment Unit.

Fig. 29: Enrollment Unit 1. Finger brake in process

- Select *Close* . The finger is initially saved as a standard finger (the symbol  is indicated in the table).

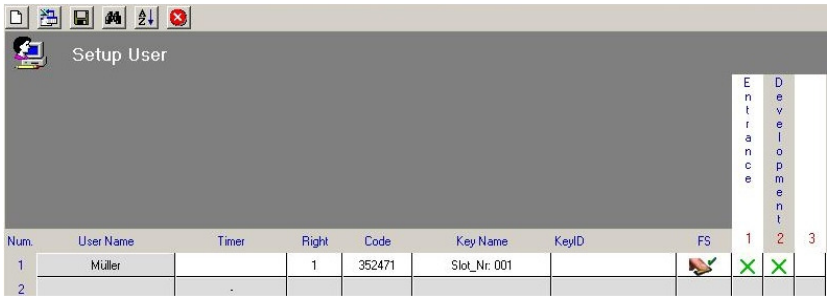


Fig. 30: User administration

If you wish to define the finger as a premium finger, you have to additionally select the appropriate symbol in the FS heading. The symbol in the column FS then changes from  to  (premium finger).
Apart from this, the Finger number slot is displayed in the Description column.
Attention: If opening using the fingerscan, also the slot number shall be specified in addition to identification based on fingerprint.
When opening the lock with a standard finger, proceed as follows:

- On/Enter key
- Enter the slot No (without leading zeroes, e.g.: Müller with slot No 001, entry 1)
- Enter (wait briefly for the instruction Code/Fingersc.)
- Move the finger over the sensor

When you have broken in the fingerscan, please close the programs and remove the Enrollment Unit.

4.7 Setup Locks

This menu item is intended for configuration of locks, in which the user sets should be read. Using the  icon, you can reach the *Setup Locks* window.

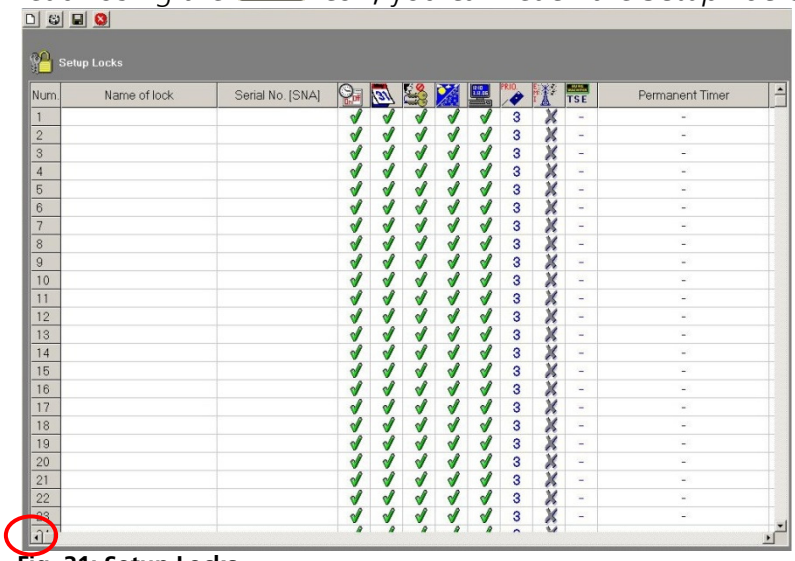


Fig. 31: Setup Locks

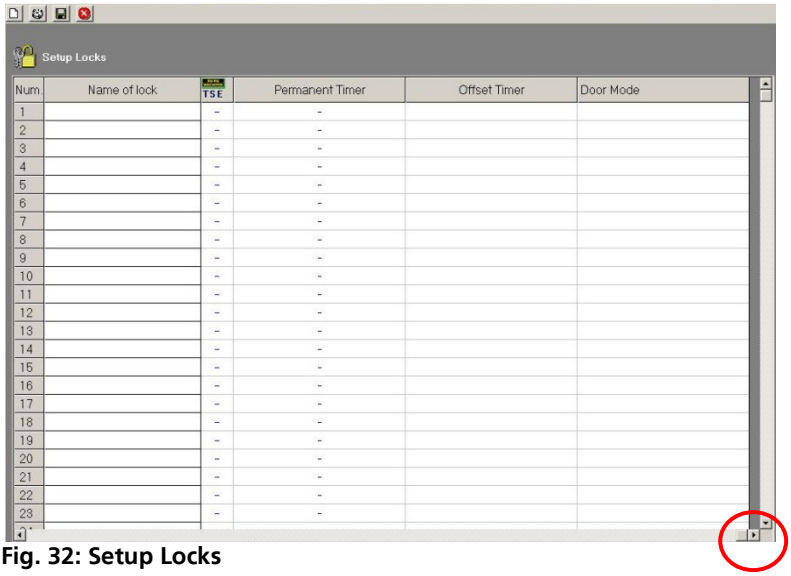


Fig. 32: Setup Locks

The following selection options are available there:

Selection fields	Entry/selection options
Name of lock	max. 19 characters long e.g. Building door
Serial number	Selection: manually or automatically, configuration
 Timer adjustment; if deactivated, the lock is not subject to the data entered in the Timer adjustment window	Green check: active Red X: inactive

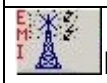
 Calendar adjustment; if deactivated, the lock is not subject to the data entered in the Calendar adjustment window	Green check: active Red X: inactive
 Block code change for user	If this field is checked, the user cannot change his code using the keyboard.
 Automatic Switchover from summer to winter time and vice versa	Green check: active Red X: inactive
 Accept current time/date from PC	Green check: active Red X: inactive
 Priority definition	Selection
 EMI setup	Green check: active Red X: inactive
 Burg-Wächter product type	Indication of the product type AWE executive unit - STE control unit
Permanent Timer	Selection of the timer defined under => Permanent timer => Timer Sets
Offset Timer	Selection of the timer defined under => Timer setup => Offset Timer
Door mode	Assignment of room door or optional entrance for guest card applications

Fig. 33: Selections for adjustment of door locks

In the Priority definition selection field, you have an opportunity to influence the response characteristics of the lock when the E-Key/Switch is used.
If the appropriate door is not opened when the E-Key is used, you can increase the priority of this door or decrease the priority of the door opened incorrectly. The default value is 3, the highest priority is 5, the lowest 1.
An adjustment of this value is usually not necessary.

For newer systems, the EMI (electromagnetic interference) parameter is set to active (√) in the factory. It controls the behavior of the lock in case the system is located in an environment with a very strong electromagnetic interference, which can have a negative impact on the remote transmission intended for the lock

If a grey cross is displayed in the field, the function cannot be activated. Activating of this function is possible from version 2.3 of the executive unit only.

When you have entered the Name of lock, you have to specify the serial number in the next column. In the *serial number* field, you have a variety of options using the left mouse button.

- Automatic identification (*Storing executive unit*)
- Manual entry of the serial number
- Change of configuration

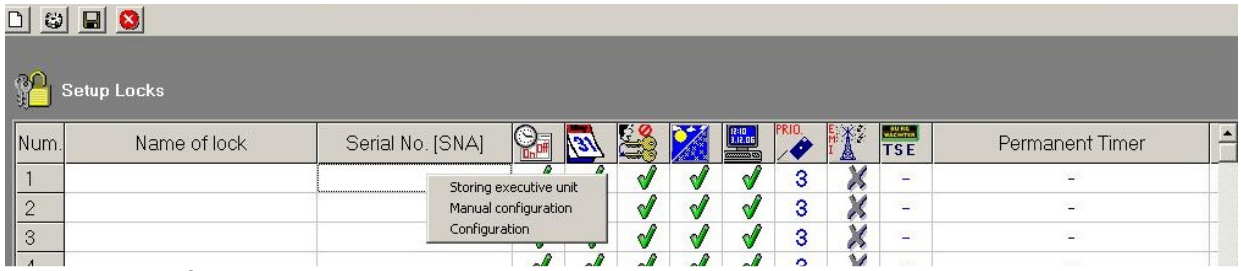


Fig. 34: Options for serial number

Please note also the differences in storing safe electronics (programming of safe electronics).
The configuration must be made using a removable data carrier. If the software is not started from a removable data carrier, an error message is displayed when the serial number is being entered. The safe electronics cannot be stored. Copy the **software** on a **removable data carrier** and then enter the **serial number** again.

The individual topics are described in detail in the subchapters.

When you move the scroll bar to the right, you can activate a popup menu by double clicking the appropriate fields, from which you can use a selection, provided it has been defined beforehand.

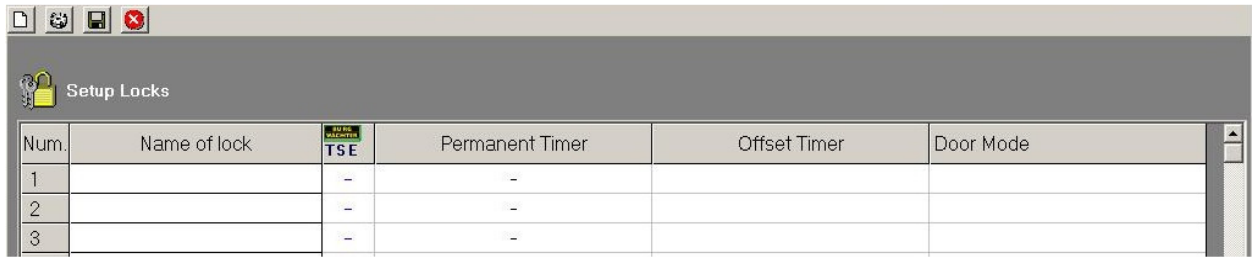


Fig. 35: Setup Locks

Setup options:

Permanent Timer: assignment of a timer set to a lock
Offset Timer: assignment of an offset timer set to a lock (for guest card applications only)
Door Mode: classification of doors into room doors and optional entrances (for guest card / guest code applications only).

When **programming** safe electronics, these setup options are not active and therefore cannot be selected.

If wireless networks adapters are integrated in the system, the screen *Setup Locks* is completed for an additional column.

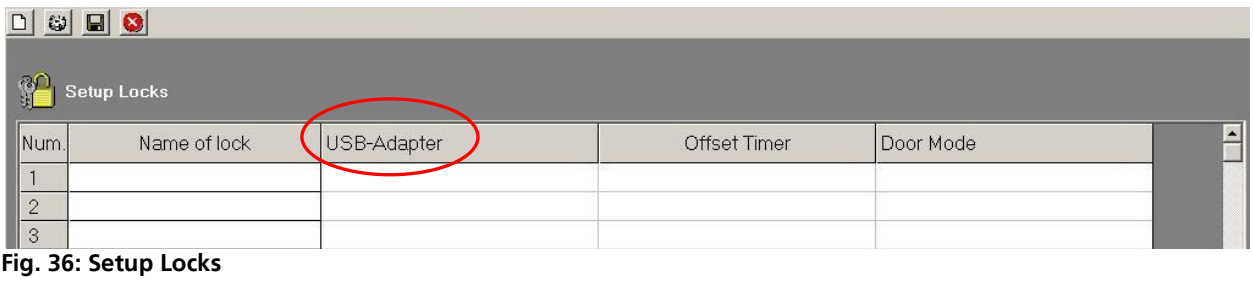


Fig. 36: Setup Locks

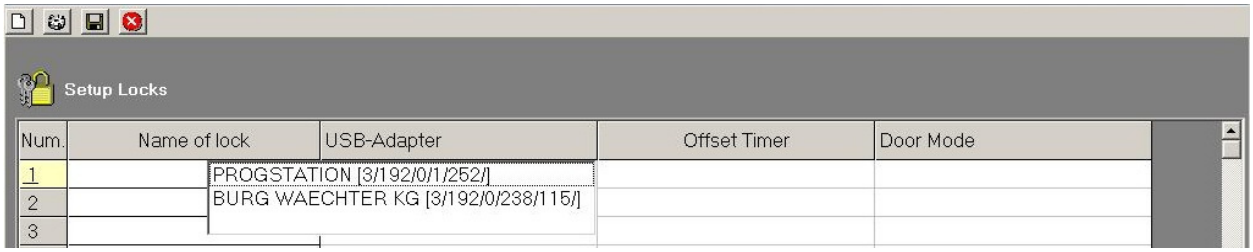


Fig. 37: Setup Locks

The adapter for data transmission related to the particular door can be selected here. The subsequent data transmission is then provided automatically.

Important: The unit to be programmed must be within the reach of the TSE TCP/IP adapter.

Using the button  , you can output the data in the CSV format.

4.7.1 Storing Executive Unit

When *Storing executive unit* is used, the serial number of the lock is automatically identified. For this purpose, you have to prove your authorization by entering the administrator code after having selected the adapter intended for programming.

Fig. 38: Entry of administrator code

In case several units are within the operating range, you can select the required ones. After entering the administrator code, the *Data transmission* button must be selected. Different procedures apply here depending on the version of the USB adapter. Older USB adapters break the search when a connection has been successfully found. New USB adapters from version 1.6 go through all the 12 frequency channels and indicate, for each radio channel, the unit with the strongest signal (RSSI). Also an automatic identification of the unit as executive or control unit is provided here. From this version on, automatic recognition is provided on whether an executive unit or the electronic TSE 6201 CONTROL unit was found (refer to the *Configuration* menu item).
This process is illustrated in the following figure:

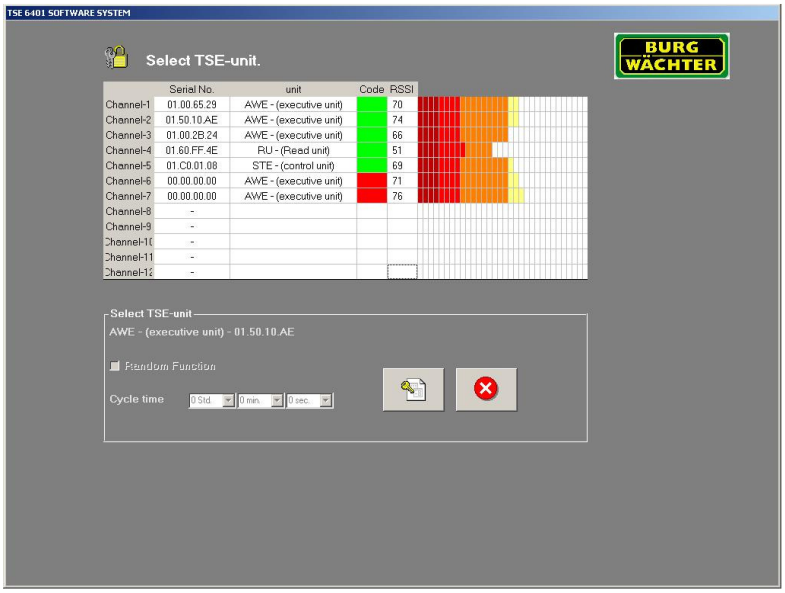


Fig. 39: Storing executive unit (automatic identification)

The radio channels are indicated in the left column.

This window shows all the units located within the operating range, disregarding the validity of the administrator code. In case the administrator code is not valid, an invalid number is displayed in the Serial number column (00:00:00:00).

If 2 units are superimposed on a **single** radio channel, the serial number is displayed with the highest signal strength (RSSI). This is then the unit that will be addressed when wireless transmission takes place. If a wrong unit is addressed, the USB adapter should be brought closer to the unit to be broken in. If this still does not lead to the desired result, remove the batteries from the wrongly responding unit temporarily during the breaking in process.

The *Code* column indicates the status of recognition of the administrator code (green = password OK; red = password incorrect).

In this example, five units respond, out of which two have the appropriate administrator code.

Choose the desired unit and confirm it with  .

4.7.2 Manual Entry

Manual configuration can be used if the serial number is known or if automatic storing is not successful.
The serial number (SNA) can be found either on a separate accompanying tag provided with the executive unit or on the display of the input unit under the *Info* menu item. Only the first two characters can be read without the administrator code.

4.7.3 Configuration

Under the *Configuration* menu item, the available TSE units can be defined as an executive unit or a control unit (TSE 6102 CONTROL). In higher versions, this is provided automatically, in older versions this definition must be done manually. The evaluation or control unit declared here can be now assigned in the right field to a TSE 6106 CARD-READER and/or to a TSE 6000 keyboard from version 4.9. A maximum number of 5 units can be assigned to one executive or control unit.

Besides this, an already existing assignment of the switching time or random function can be changed with TSE 6202 CONTROL. Besides this, an already existing assignment of the switching time or random function can be changed.

4.7.3.1 Assigning a TSE unit to a TSE 6106 CARD READER or to a TSE 6000 keyboard from version 4.9

In order to integrate a TSE 6000 CARD READER into your locking system, proceed as follows:

Using the right mouse button, select the Configuration submenu item within the Door lock setup menu. The following window appears:

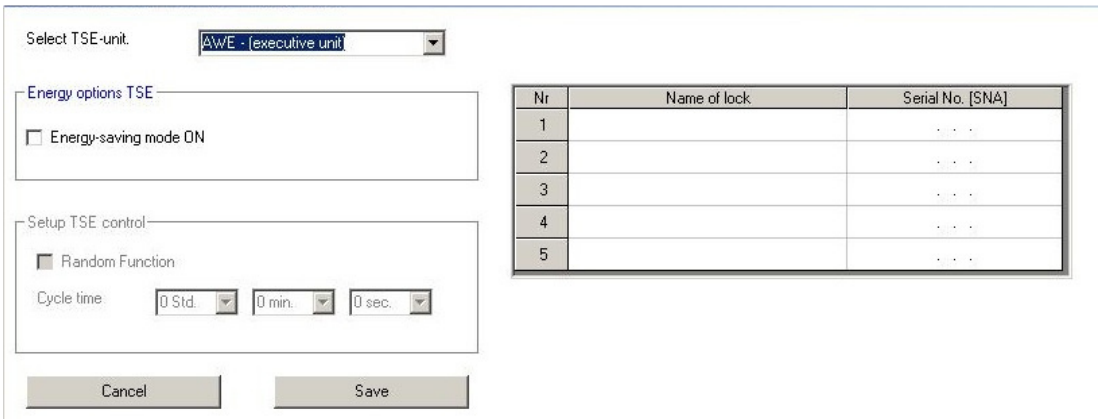


Fig. 40: Configuration

Under *Select TSE unit*: choose AWE – (executive unit) or Ste (control unit)
Under *Name of lock*, enter the name of the unit to be controlled
The Serial number (SNA) field is intended for storing the serial number.

This is done automatically (SN_AutoSave) or manually. When assigning a unit to a keyboard, the *keypad* must be selected under SN_AutoSave, and the *Read Unit* when a card reader is being assigned.

In case of a manual entry, please find the serial number on a tag attached to the unit.

Fig. 41: Entry of serial number

When assigning a Read Unit to a TSE unit, the administrator code must be necessarily

identical for both units.

- Enter the serial number

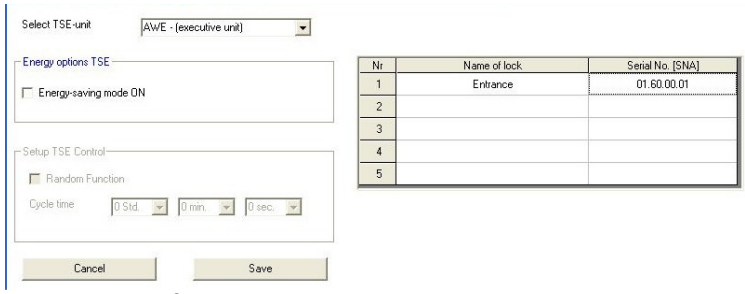


Fig. 42: Entry of serial number

Follows an inquiry by the system on whether the administrator code has been synchronized.

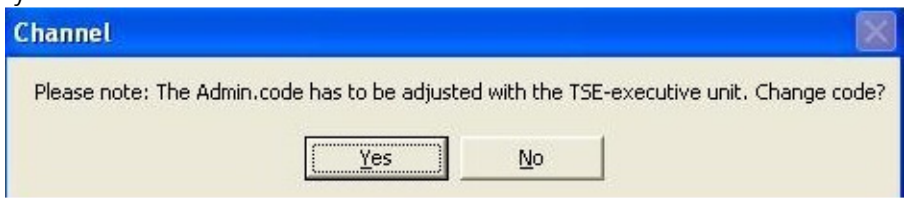


Fig. 43: Inquiry

- Confirm the inquiry with *Yes*. The following window is displayed:

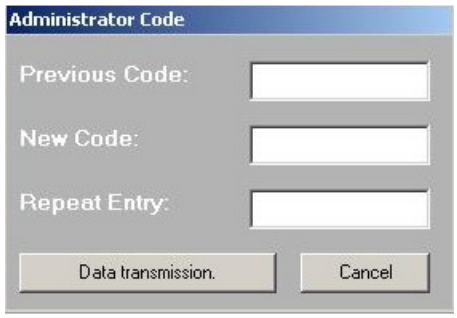


Fig. 44: Administrator code synchronization

- Enter the old Card Reader unit administrator code and enter twice the code of the executive unit
- Save your settings

Using the *SN_Code* function, you also reach the *Administrator code* window.
Call out this function using the right mouse button after entering the serial number.

4.7.3.2 Signal tones of the reader unit

The following signal tones are created by the TSE 6106 CARD READER unit for indication of individual processes:

valid card and lock opened	2 short tones
invalid card	3 short tones
Blocked by time function	3 short tones
Error in card reading	4 short tones
Restart of reader unit	5 short tones
AW battery empty	1 long tone

AW battery empty, Admin. Code expected 2 long tones

4.7.3.3 Energy options / Random function

Also the energy options and the Random function can be administered in the Configuration menu item.

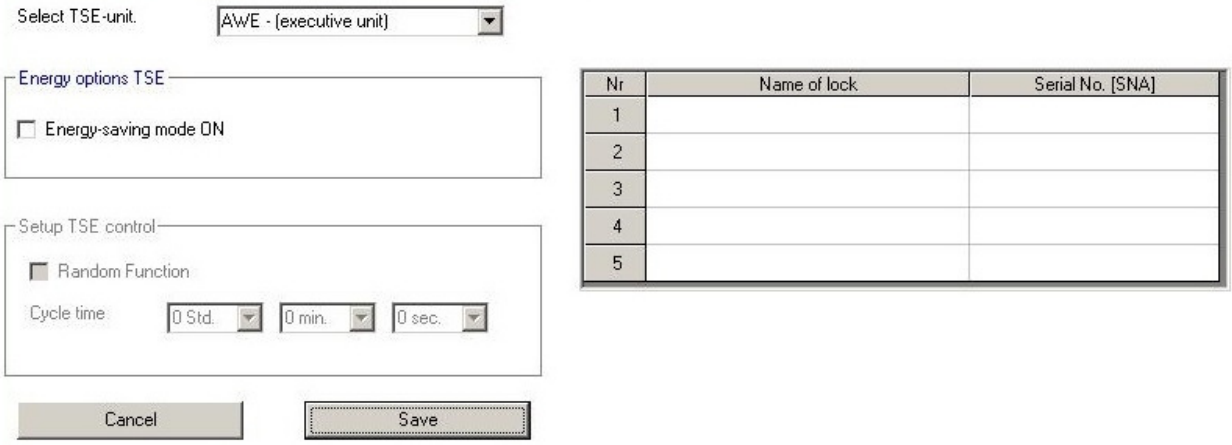


Fig. 45: Configuration

If the Energy option of the TSE is checked, the lifecycle of the battery operated unit is extended, while the operating range of the E-Key is reduced. If a network unit is used, the energy saving option should be switched off.
In case a **TSE 6201 CONTROL** electronic control unit has been identified, two additional options are available in the bottom part of the window:
Switching time indicates the duration of the active phase of the electronic control unit. This depends on your intended use.
When the Random function is selected, the electronic control unit is activated at various points of time and the duration of the switching time is generated randomly. In order to use the Random function, the TSE control unit must be selected by double clicking the appropriate line.

The entries have to be saved.

4.8 Data Transmission

The entire communication between the software and the units is performed in the *Data Transmission* menu item. Apart from this, the administrator code can be changed and the history read here.

The entry of the administrator code is necessary for all data transmission functions. This code is factory-set to 123456.
With all the TSE 6000 system units, the administrator code is provided together with the SNA serial number on a separate tag attached to the evaluation unit.

When data is transmitted to the lock, the system inquires whether the history stored in the lock should be transferred to the PC and stored there. In addition, also the date and time of the beginning of lock updating can be defined (lagged programming).

Attention: **Data transmission overwrites completely the existing data record.** Any changes **programmed** manually in the **lock** will be overwritten! **An exception are the fingerprints stored in the safe electronics.** They are not overwritten by **programming**!

If you have not read the history when programming, the events that occurred up to the moment of new programming are no more available.

Subsequently, an overview of all preconfigured locks can be viewed, and its editing is no more possible.

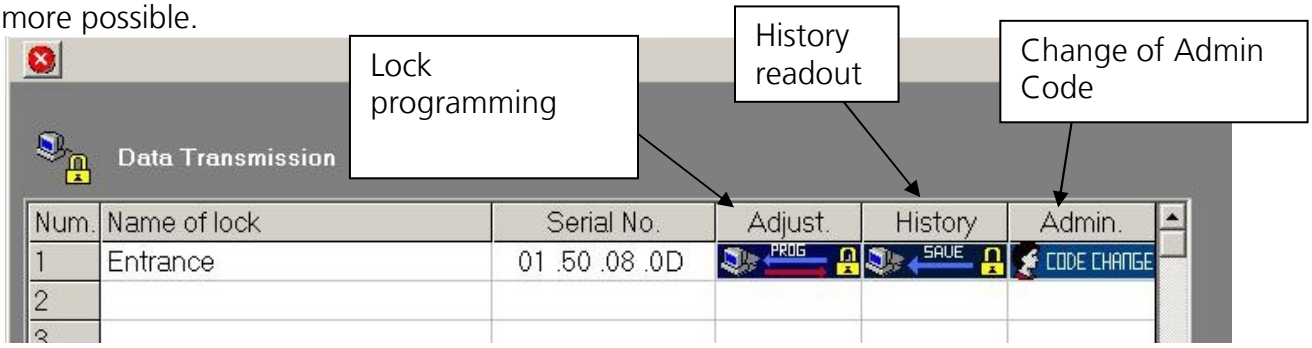


Fig. 46: Lock overview on data transmission

In the *Prg.* column the locks can be selected, which should be included into data transmission.

4.8.1 Transmission of data

The software automatically verifies whether the number of the selected users is allowed with the corresponding ident medium for the particular lock. This has a particular importance when safe electronics is programmed. In addition, 250 E-Keys can be programmed (this is limited because of the maximum of 250 users that can be administered using the TSE 6401 system).
In case the number of users in terms of the maximum number per lock is exceeded, an error message is created and no data transmission is possible any more.In such case, the number of users has to be correspondingly corrected in the *Setup User* menu.
When transmitting the data or reading out the history, you have two options:

- Using the icons in the table
- Using the icons in the menu bar

4.8.1.1 Transmission of data using the menu bar

This method is appropriate when you wish to program several locks at the same time using the Progstation or a network (prerequisite: equal administrator codes). Proceed as follows:

- Mark the locks with a  in the Prg column by clicking them
- Click the programming symbol 
- Answer the inquiry on whether the history should be read or not.
- Answer the inquiry on whether time lag should be programmed.

The following window is displayed:

Fig. 47: Entry of the administrator code

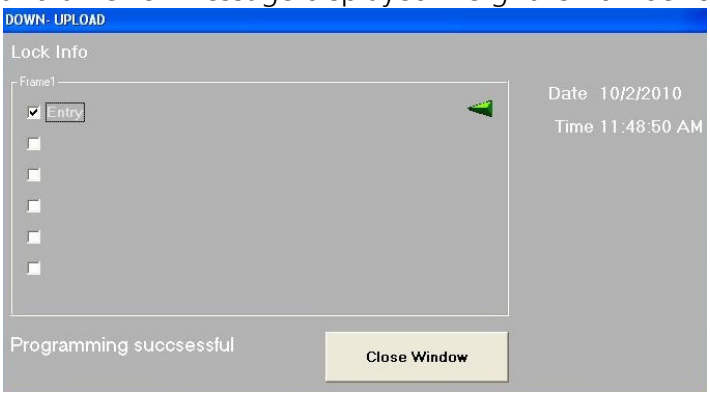
- Enter the administrator code
- Click *Data transmission*. The following window is displayed, in which the progress of the transmission is indicated. At the same time, the data are verified and an error message displayed if e.g. the number of users for a lock is too high.
- 

Fig. 48: Programming: indication of progress

- After a successful programming, click *Close window*.

When lagged programming is used, both the date and the time for the programming can be specified.

Important! The computer system must be active in order to use lagged

programming!

The following window appears after the selection, in which the date and time for the transmission can be specified:

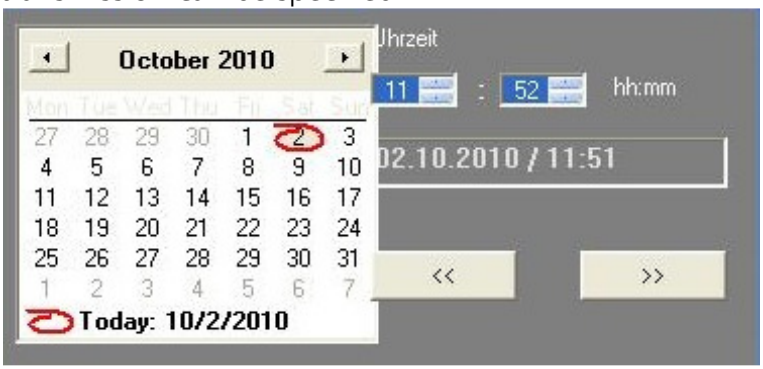


Fig. 49: Selection window for lagged programming

Click the required date and set the appropriate time, on which the programming should take place. Please bear in mind that after the time is set, you should click once more the time field, so that the field is outlined in blue.
When you have set you data as required, click the arrow pointing to the right. The data are verified by the system (e.g. on exceeding of the maximum number of users per lock).

To return back and to make a new selection of locks to be programmed, please click the left arrow.

When reading the history, the field in the *Administrator code entry* window is activated and the current date is used as a default date. Upon clicking a calendar opens, in which the readout date can be selected.
The history data is saved in the source path (installation path of the program).
Attention: The check marking a fingerscan user update means that the already programmed fingerscan data in the lock will be deleted and overwritten with the new data. This function should be activated only for TSE locks that can administer 400-600 fingerscan data sets and for which the updating of FS data using the PC software is possible. In case of an older version, the fingerscan data are deleted and irretrievable if this field is activated!

Fig. 50: Updating fingerscan data

4.8.1.2 Transmission of data using the table

This method is used when no network is available or when only individual locks are to be programmed.

Proceed as follows:

- Click the Prog. symbol of the lock to be programmed
- Answer the inquiry on whether the history should be read or not.

The following window is displayed:

Fig. 51: Entry of the administrator code

- Enter the administrator code
- Click *Data transmission.* The following window appears (if a radio channel different from 1 was selected), in which the transmission progress through the radio channels is indicated. If you have selected the radio channel 1 for your data transmission, the channels for transmission are not scanned.
- 

Fig. 52: Programming

Please refer also to the notes in Chapter Transmission of data using the menu bar.

4.8.2 Readout of history

In connection with this software, the last 2400 events per cylinder, or the last 1000 events per safe electronics can be read out.

The current history of a lock can be read out using the *Data transmission* menu item. When reading the history, you have two options:

- Using the icons in the table
- Using the icons in the menu bar

To read using the table, please proceed as follows:

- Select the symbol 

- Enter the date, from which the history should be read out
- Enter the administrator code and click *Data transmission*

To read using the menu bar, please proceed as follows:

- Mark the locks with a  in the Prg column by clicking them

- Click the history symbol  . A window for entry of the administrator code is displayed:

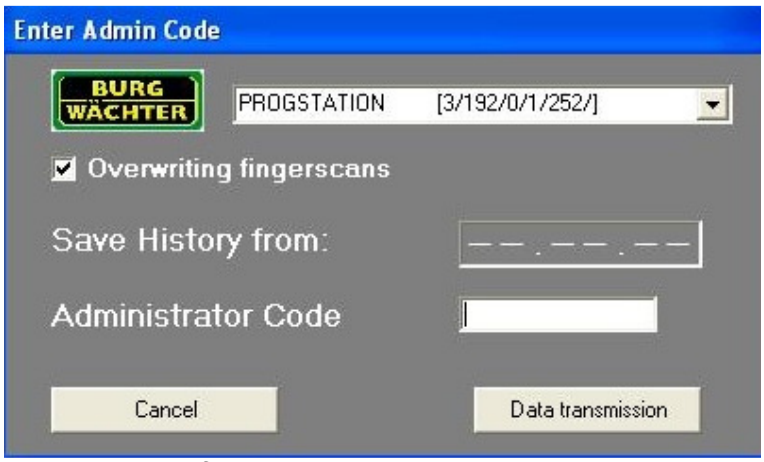


Fig. 53: Readout of history

- The field "Save history from" indicates the date, from which the history should be loaded. An earlier date can be selected by clicking the date.
- Enter the administrator code
- Click Data transmission. The following window is displayed, in which the transmission progress is indicated. At the same time, the data are verified and an error message displayed if e.g. the number of users for a lock is too high.
- Click Close window.

All the data is then saved in the *Hist* folder of the source path (installation path of the program).

4.8.3 Changing the Administrator Code

Proceed as follows:

- Click the *Code Change* symbol

A window appears, in which the old code and two times the new code have to be entered.

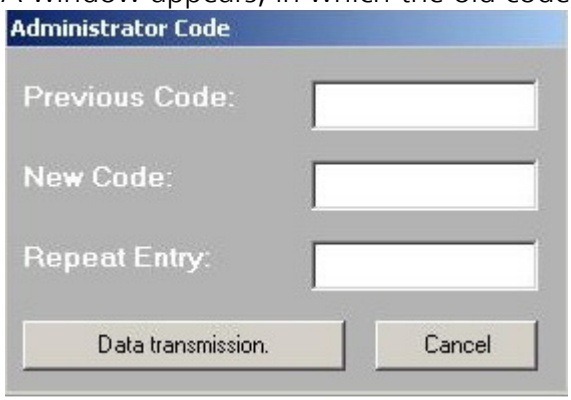


Fig. 54: Change of administrator code

- Click Data Transmission

4.9 Display history

The history can be viewed also using the  button in the menu bar of the start window. The history folder is then opened, from which the corresponding file can be called out.

4.10 Adjustments

Use *File* => *Setup USB-PORT* to manually adjust the COM ports. However, this is necessary only in case the USB adapter is not automatically recognized by the system, which occurs only in exceptional cases.
You can identify, to which COM port of your PC the USB adapter is connected, under: Start => Adjustments => System management => System => Hardware => Device Manager => Connections.

The USB-COM port must be within a range of 1 to 15.

5 Special functions when using hotel/facility applications

This chapter describes the differences in case of the use of the software for hotel applications with the guest card system as compared to facility applications with the guest card system.
It is therefore intended for all users working with temporally restricted guest cards.
Initially, the use of the software for hotel applications with guest card system is described; comments on facility applications follow.

The program TSE 6000 Setup initializes the locks and is required only for the purpose of the setup. The functions have been already described in chapter **Initialization**.

The cylinders have to be initialized before programming (see chapter Initialization). Then close the program TSE 6000 Setup and open the TSE 6401 software system.

5.1 Hotel applications with guest cards

When starting the program, the start page opens

Fig. 55: Program start

Under *Setup Timer the* Timer setup is opened

Fig. 56: Timer Setup

5.1.1 Timer Setup

The following basic settings can be made in the *Setup Timer* menu:

- Start/end of the access time on the day of arrival and departure
- Assignment of hotel / facility mode
- Offset Timer
- Timer

All the functions are described in detail below.

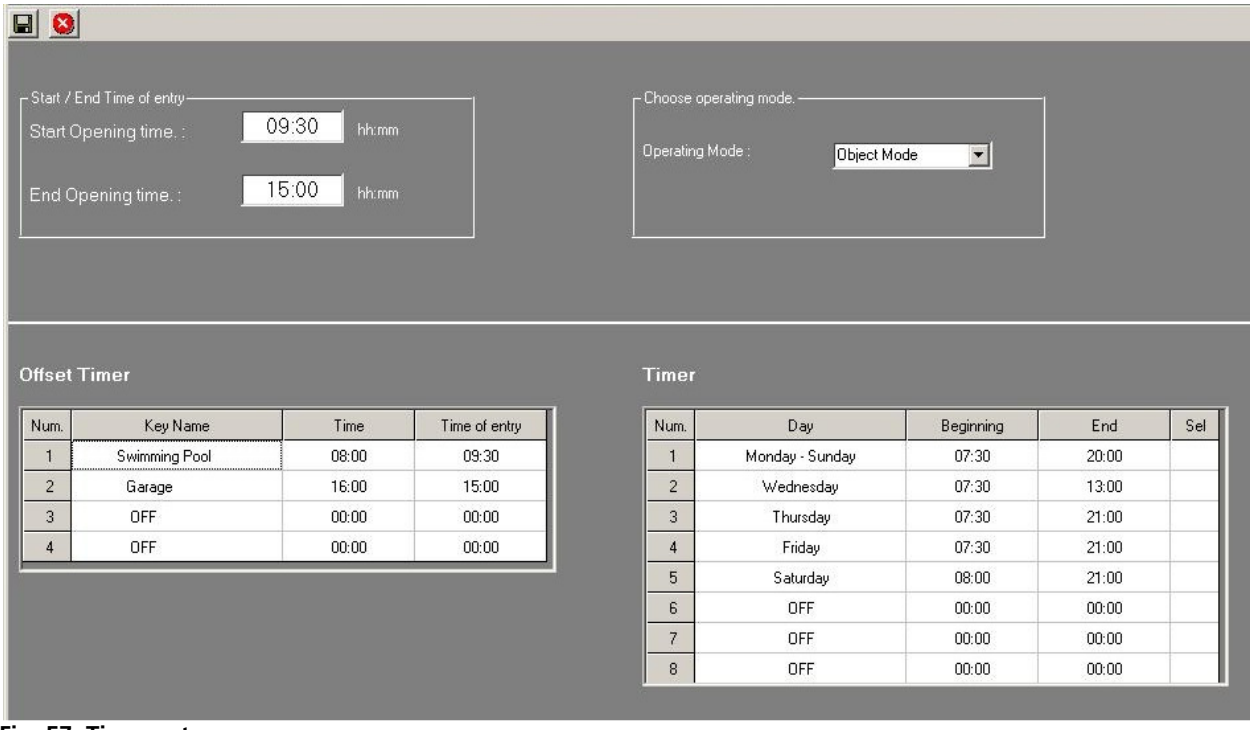


Fig. 57: Timer setup

In the indicated case, the earliest access is on the day of arrival at 9:30 a.m. This authorization expires automatically on the day of departure at 15:00. This period of time applies to all doors administered in this system, i.e. both room and common doors.
These basic settings can be changed individually at any time by programming of the card; this process will not affect substantially the basic settings themselves (an explanation will follow).

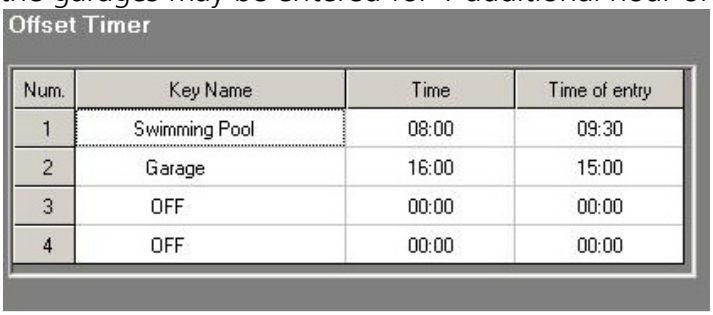
The variances to the above indicated access times for the first four permanent doors (optional entrances or also common doors; they do not apply to the room doors of the guest) can be defined based on the offset timers.

These variances apply solely to the days of arrival and departure.

Example:
In order to define these variances, use the Offset Timer.
Under *Key Name*, enter the appropriate lock name.
As *Time*, enter the time, at which the door lock allows access authorization.
When you subsequently use double clicking under *Time of Entry* to activate the field, you can choose between the start and end of the opening time.

As we want to provide our guest with an earlier access to the swimming pool before the general access time (9:30 a.m.), we will define *Opening time start* here. Based on this information and when the guest card is used, the lock identifies the varied time and provides for an earlier access.
The reciprocal case is a prolonged access on the day of departure. Under *Time*, enter the point extending the general value and under *Point of time* the general value.

Change of Opening time start:
In this example the swimming pool may be entered already a 1.5 hour in advance, i.e. from 8:00 a.m. Also the end of the opening time can be extended/reduced. On the other hand, the garages may be entered for 1 additional hour on the day of departure.


Offset Timer

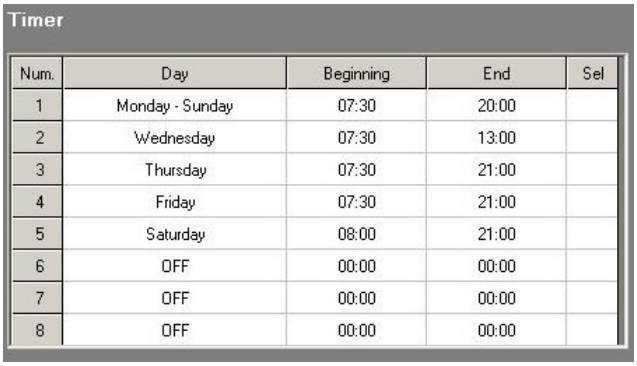
Num.	Key Name	Time	Time of entry
1	Swimming Pool	08:00	09:30
2	Garage	16:00	15:00
3	OFF	00:00	00:00
4	OFF	00:00	00:00

Fig. 58: Offset Timer

Under *User Timer*, 10 timers could be configured. Out of these 10 timers, the first 8 Timers are listed in this window and can be individually selected.

You can use these Timers for example to define core access times. When you define and select appropriate times here, this information will be included into the program. A guest card then provides access only at the core times.

The appropriate Timer should be selected in the Sel column.
In this case, the swimming pool can be entered from Monday to Friday from 7:00 a.m. to 18:00 p.m.
Attention: All doors authorized by means of a guest card are subject to access authorizations assigned for the Timer. **Doors, for which another access authorization should apply and which are, however, specified on the transponder card, have to be deactivated in the menu *Setup Locks* under  , i.e.: Timers do not apply to this lock.**

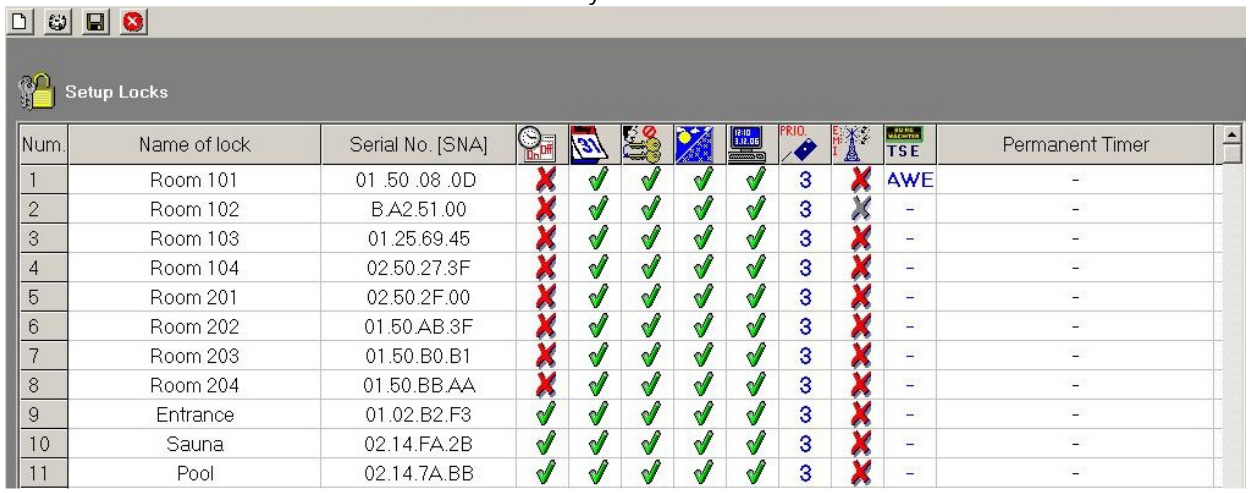

Timer

Num.	Day	Beginning	End	Sel
1	Monday - Sunday	07:30	20:00	
2	Wednesday	07:30	13:00	
3	Thursday	07:30	21:00	
4	Friday	07:30	21:00	
5	Saturday	08:00	21:00	
6	OFF	00:00	00:00	
7	OFF	00:00	00:00	
8	OFF	00:00	00:00	

Fig. 59: Timer

5.1.2 Setup Locks

In the *Setup Lock* section, you can enter the appropriate door identifications, as well as the serial numbers of the individual TSE 6000 cylinders.

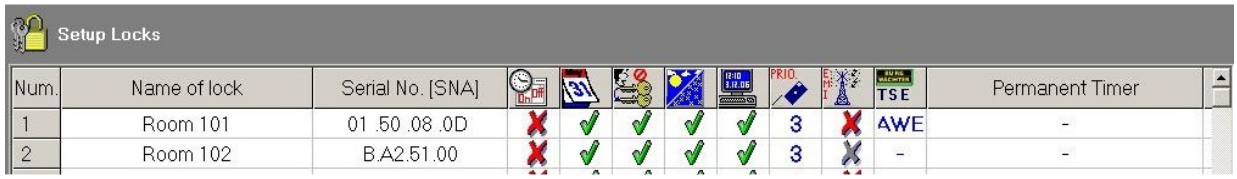


Num.	Name of lock	Serial No. [SNA]	PRIO.	TSE	Permanent Timer
1	Room 101	01 .50 .08 .0D	3	AWE	-
2	Room 102	B.A2.51.00	3	-	-
3	Room 103	01.25.69.45	3	-	-
4	Room 104	02.50.27.3F	3	-	-
5	Room 201	02.50.2F.00	3	-	-
6	Room 202	01.50.AB.3F	3	-	-
7	Room 203	01.50.B0.B1	3	-	-
8	Room 204	01.50.BB.AA	3	-	-
9	Entrance	01.02.B2.F3	3	-	-
10	Sauna	02.14.FA.2B	3	-	-
11	Pool	02.14.7A.BB	3	-	-

Fig. 60: Setup Locks

The naming of each room door can be assigned individually.

Attention! Room doors should in no case be provided with a Timer, as in such case the guest would be subject to these time restrictions also in respect of his room.



Num.	Name of lock	Serial No. [SNA]	PRIO.	TSE	Permanent Timer
1	Room 101	01 .50 .08 .0D	3	AWE	-
2	Room 102	B.A2.51.00	3	-	-

Fig. 61: Setup Locks

You can find information on additional selection options in chapter *Setup Locks.* When the entries have been made, the data have to be saved.

5.1.3 Programming of Guest Cards

Use the button  in the menu bar to go to the programming of the guest cards. The following window is displayed:

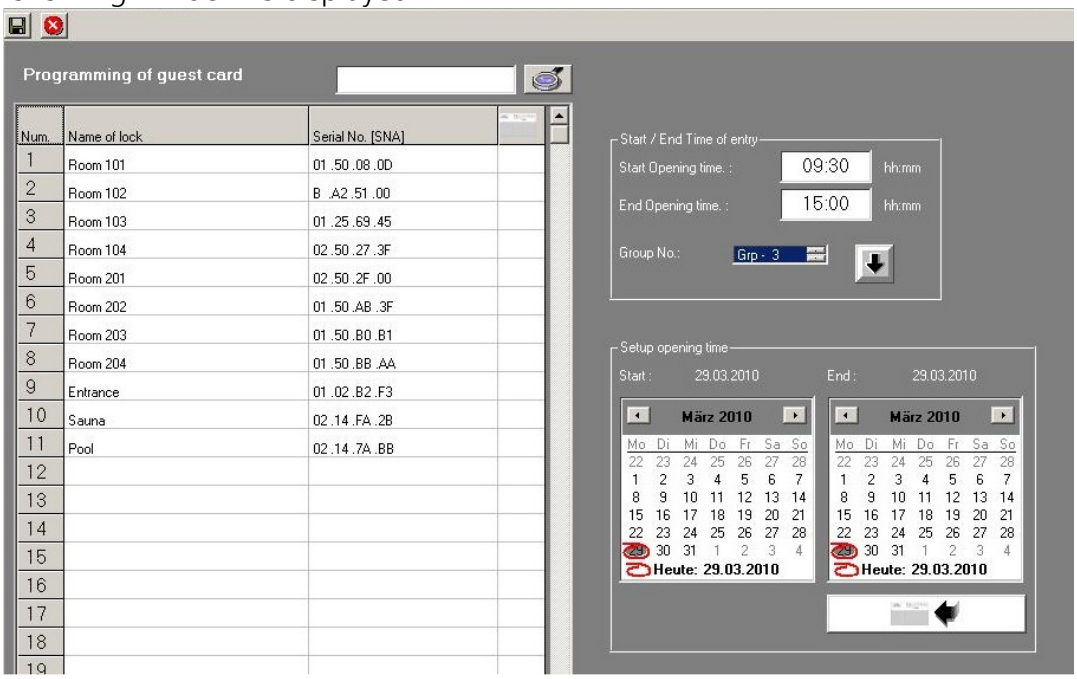


Fig. 62: Guest card programming screen

Here you can see a listing of all the locks administered by means of the software. Now you have to perform the assignment of the locks that should be opened with the guest card.

For this purpose, click the appropriate locks in the column  .

Use double clicking in this column to display the symbol  . In this way you can set up the doors, which should be automatically programmed with every card programming action. Clicking these doors is then no more necessary.
You can select any other door to be programmed by means of a single click until a cross appears.
You can still change the start and end opening times if varying from the basic setup.

In the right hand part, the arrival and departure dates remain to be marked and the card programmed  .
This card authorizes access to all marked doors.

In the top section you can search for door locks by specifying the lock indication based on the guest's room in the text field

Fig. 63: Guest search field

and pressing the magnifier  function.

5.1.4 Card loss in hotel applications

In case a guest card in the hotel mode gets lost, all the locks, to which the guest had access, must be newly initialized. For this purpose the symbol  under *Setup Locks* has to be selected and the inquiry on a new initialization answered with *Yes*.

Fig. 64: New initialization

After this, the guest card has to be newly programmed. To do this, redefine the appropriate access authorizations and the access times and program a new card.

5.2 Differences between facility management with guest card system and hotel applications

In principle, administration of guest cards for facilities differs from the one for hotel applications in a few points only. They include:

Definition of visitor groups
Way of assignment of doors
Card loss

The general procedure of the setup is identical. The assignment of the facility mode is made under the Timers in *Setup Timer*.

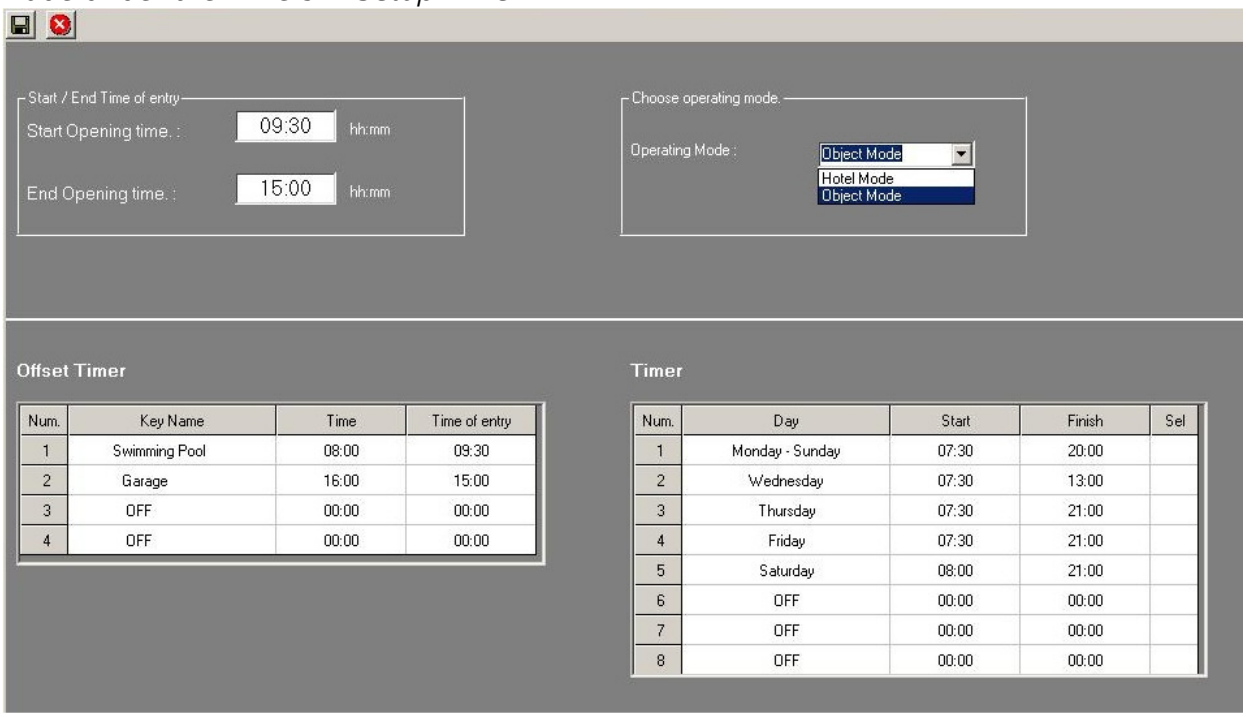


Fig. 65: Mode selection

The differences are described in the following text.

5.2.1 Assignment of doors

In case of guest card management for the purpose of facilities, all doors are assigned the optional entrances. These assignment are made under *Setup Locks*:

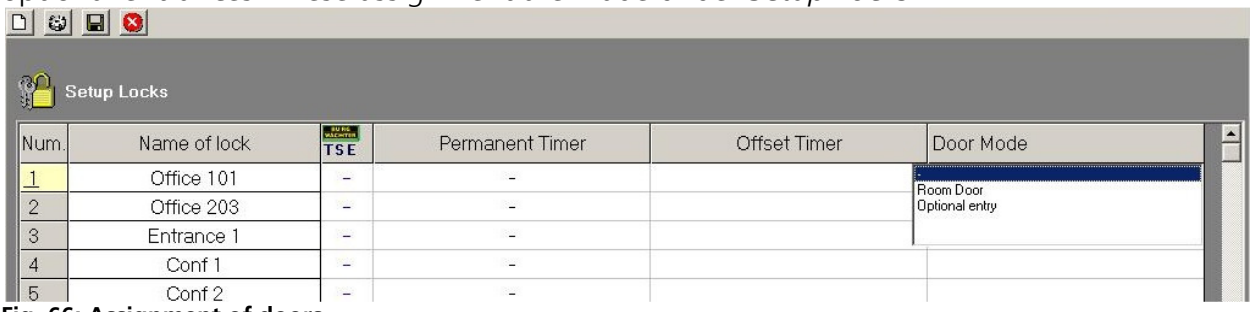


Fig. 66: Assignment of doors

An optional entrance can be assigned to all visitor groups.

5.2.2 Visitor groups

The guest card system for facility applications enables you to create visitor groups. You can then assign several temporally restricted guest cards to these visitor groups.
When the assignment is made in Setup Timer in the facility mode, you can create such visitor groups. The following window opens under *Guest card programming*:

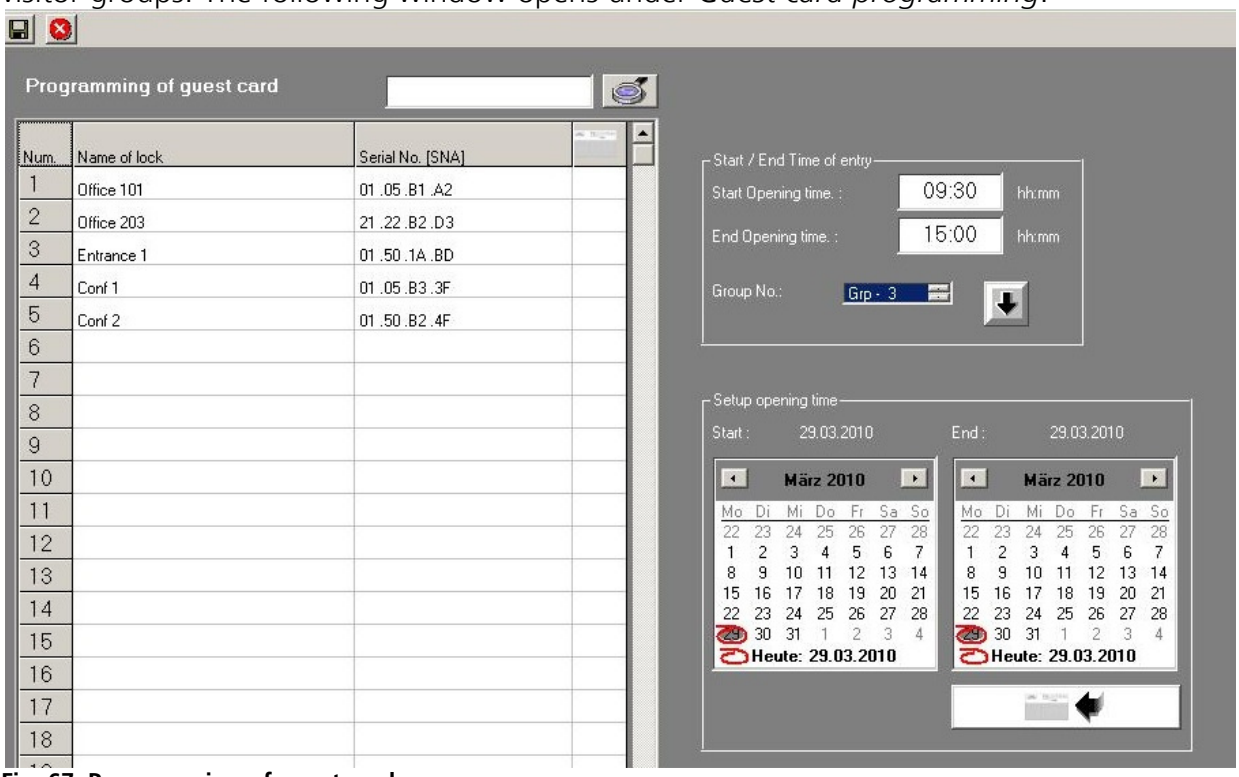


Fig. 67: Programming of guest card

Here you can see a listing of all the locks administered by means of the software. Now you have to perform the assignment of the locks that should be opened with the guest card.

For this purpose, click the appropriate locks in the column  .

Use double clicking in this column to display the symbol  . In this way you can set up the doors, which should be automatically programmed with every card programming action. Clicking these doors is then no more necessary.
You can select any other door to be programmed by means of a single click until a cross appears.
You can still change the start and end opening times if varying from the basic setup.

In the right hand section, the beginning of the visit and the time on which the validity of the card should expire remain to be specified.

Additionally, visitor groups can be administered here. This means that an access authorization for certain doors can be recorded to several cards. Then you can manage several visitor groups in a different manner and create a number of cards per a group.

You can create a group by pressing the symbol  . To select a group for programming, it must be outlined in blue under the group number.

Then the card can be programmed  .

Example:

The following setup has been made:

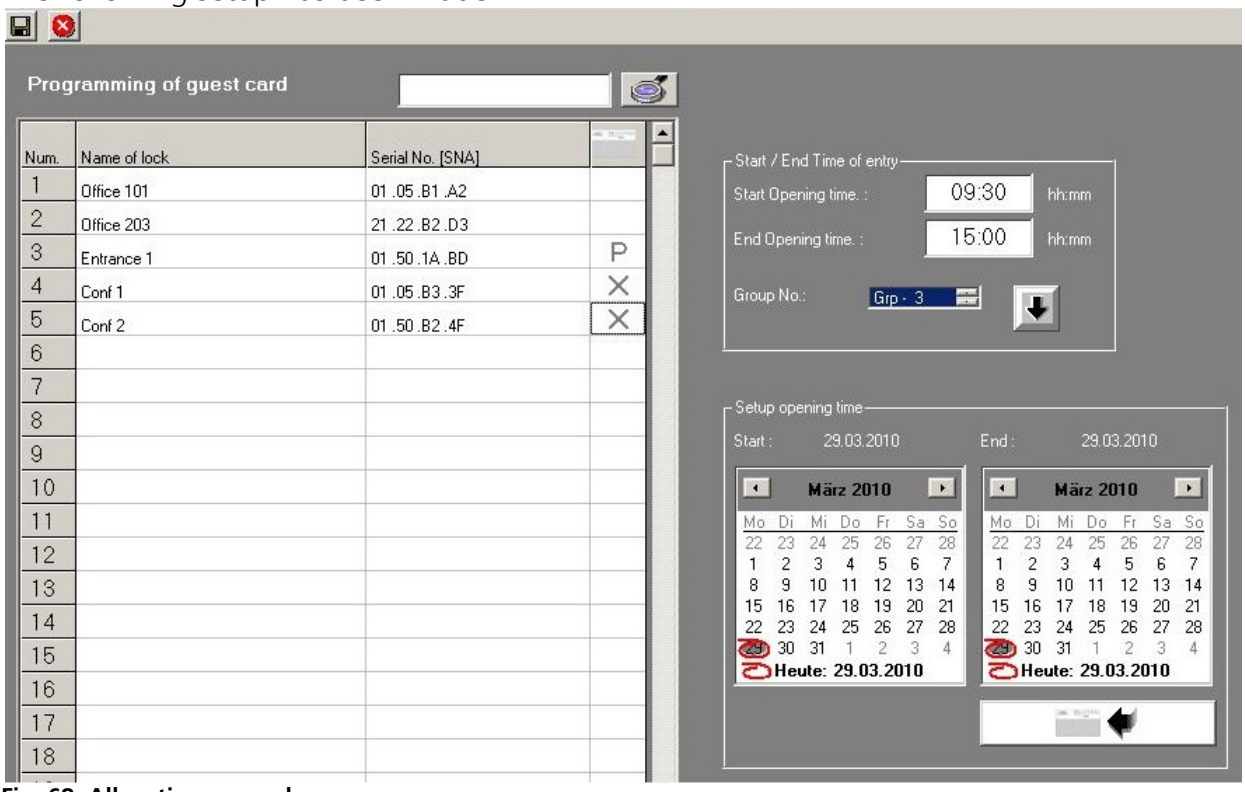


Fig. 68: Allocation example

The group 3 is, on 18.1.2010 from 9:30 to 15:00, provided access to Entrance, Conference room 1 and Conference 2.

In the top section you can search for door locks by specifying the lock indication based on the guest's room in the text field

Fig. 69: Transponder search field

and pressing the magnifier  function.

5.2.3 Card loss

In case a guest card gets lost in the facility mode, it is necessary to select the corresponding group under Programming using the arrow keys next to the group number.

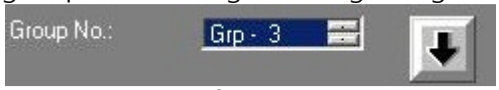


Fig. 70: Selection of group number

The group into which the lost card belongs must be outlined in blue. Subsequently, the doors, to which the particular group has access, shall be newly marked and the card newly programmed. The validity of old cards expires automatically.