

Software operating instructions

ELS AccessManager V7

Start-up and programming

Offline / Online

V1.0 May 2018

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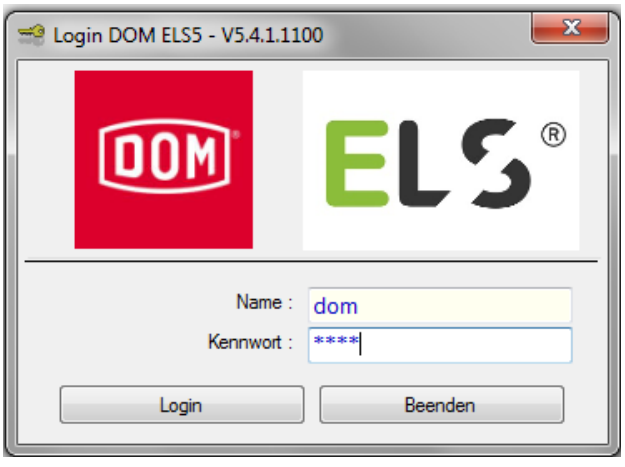
General

These instructions describe various scenarios for starting up ELS AccessManager V7 devices.
The instructions have been written under the assumption that the master card and the RF online card have already been imported into the ELS software.

Starting the ELS software.



Enter a name and password and click [Login].
Note: Use the name "**dom**" and the password "**4711**" when logging in for the first time.
(After the first use, please create a new user or change the password of the DOM user)



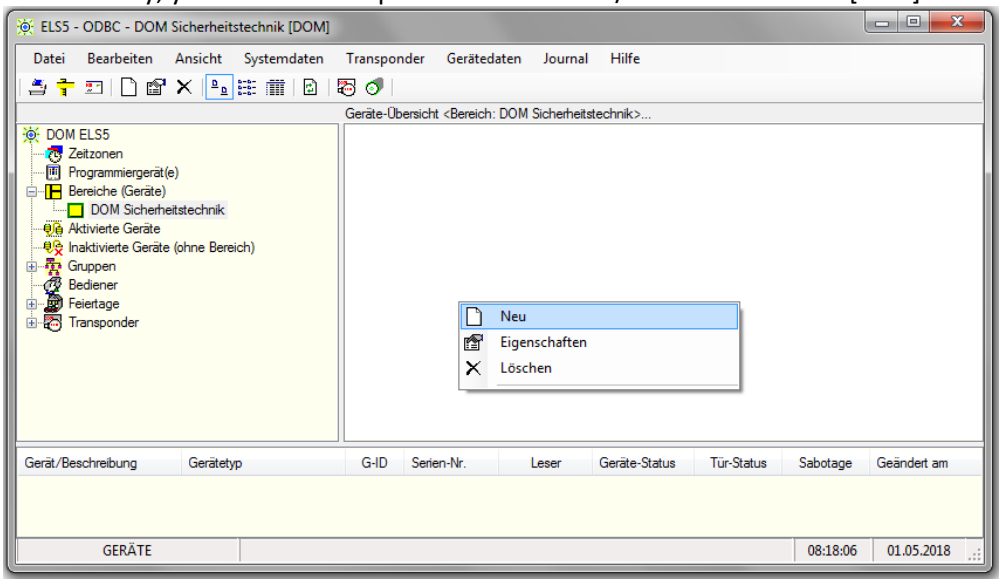
Note: From ELS software version V5.4, it is recommended to import the system's master card into the ELS software to manage the ELS Pro type 48.
The authentication data of the ELS software is written on the master card when the card is imported.

Start-up offline

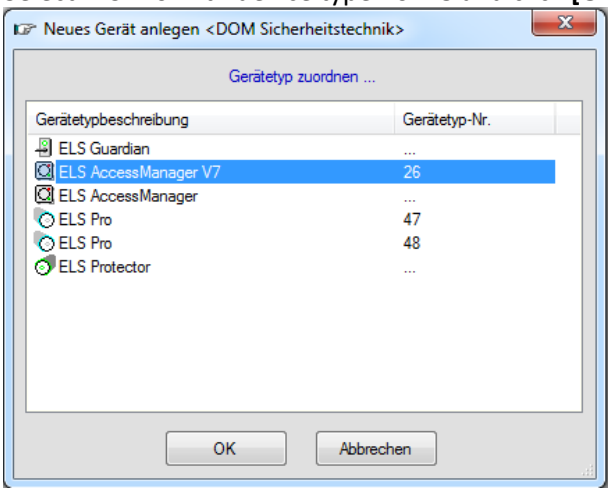
Setting up the ELS AccessManager V7 in the ELS offline software version

Create a new area or select an existing area.

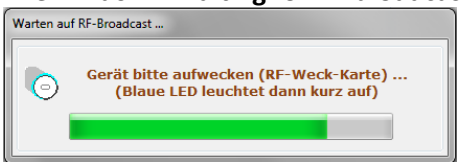
Right-click in the window >Device overview <Area: …< and select [New].
Alternatively, you can start the process via the Edit / New menu or the [New] button/icon.



Select ELS Pro with device type no. 48 and click **[OK]** to confirm.

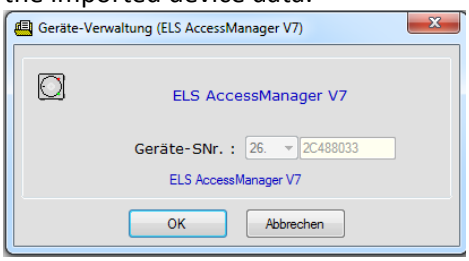


The window >**Waiting for RF broadcast …**< opens.



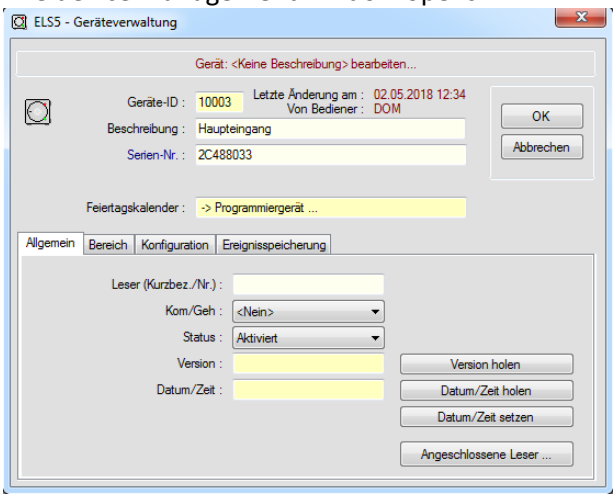
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

After showing the RF activation card, the device is imported and shown in the following window with the imported device data.



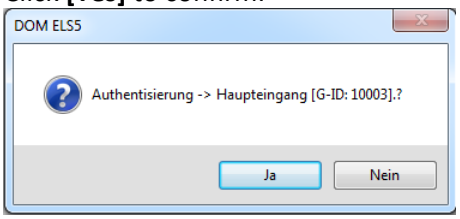
Click **[OK]** to confirm the recognised device in the ELS software.

The device management window opens.



Enter a **description** for the device and change the status to >**Activated**<.
Click **[OK]** to confirm the changes.

A notification window on whether the device should be authenticated appears.
Click **[Yes]** to confirm.

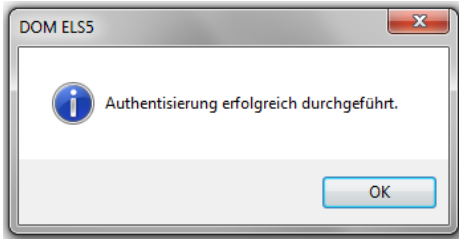


The window >**Waiting for RF broadcast …**< opens.



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).
The device is authenticated independently.

Once this has been successfully completed, the following notification appears.



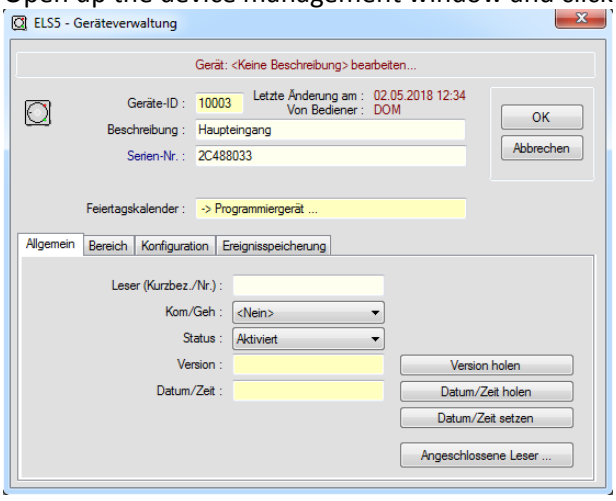
Click on **[OK]**.

The device has been created and is authenticated with the ELS software.

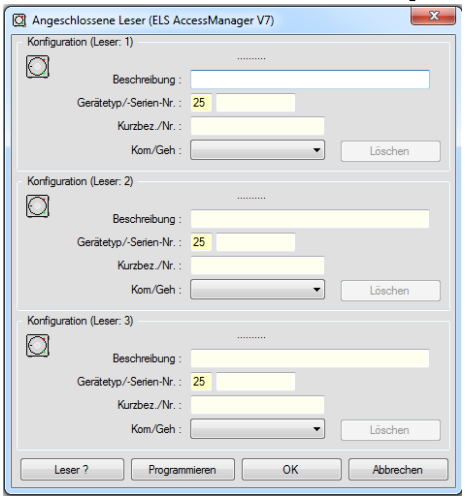
Note: When setting up an ELS AccessManager V7 HiSec, the connected ELS Passive Reader V7 is configured independently after authentication.

Setting up the ELS Passive Reader V7 (offline version)

Open up the device management window and click on **[Connected readers…].**



The window >**Connected readers [ELS AccessManager V7)** < opens.



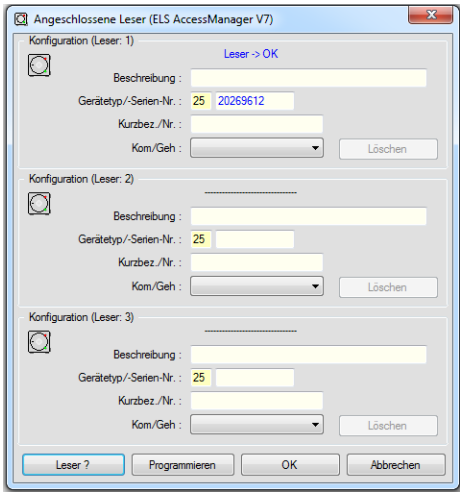
Now click on **[Reader?]**.

The window >**Waiting for RF broadcast …**< opens.
(Not applicable if the device is detected as an active device).



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The configured ELS Passive Reader is imported. (If several Passive Reader V7 devices have been configured, these will be shown here.)



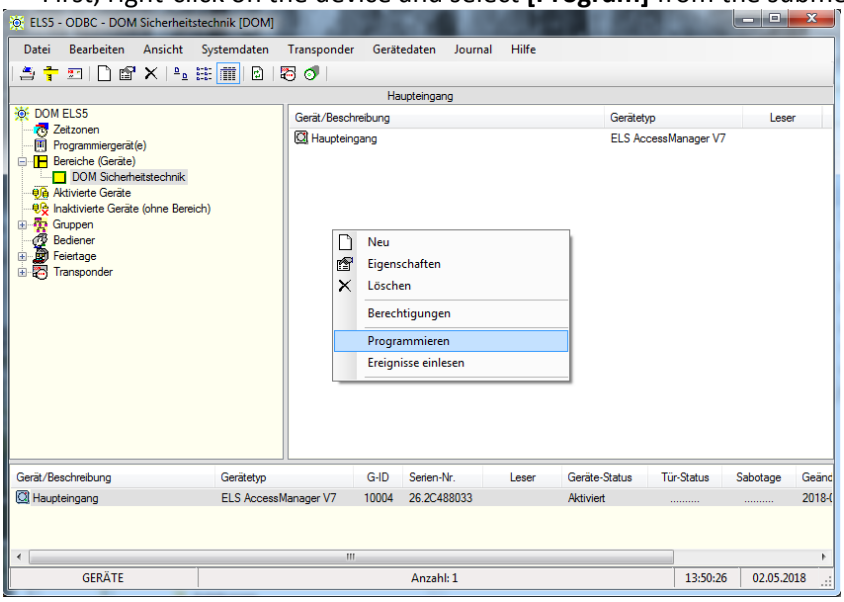
Enter a **description** for the device.
Click **[OK]** to confirm the changes.
Then click **[OK]** to close the window.

Programming the ELS AccessManager V7 in the ELS offline software version

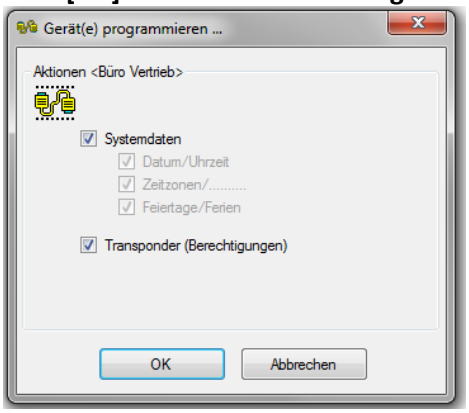
After the authorisations have been assigned and time zones, public holidays, holidays or device parameters have been created, the data is to be programmed in the device.

There are various ways to do this.

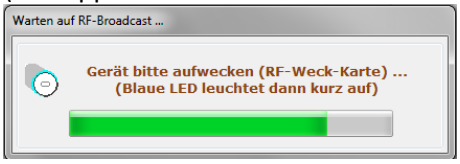
a) Manually selecting the device in the areas.
First, right-click on the device and select **[Program]** from the submenu.



Click **[OK]** to confirm in the >**Program device(s)…**< window.

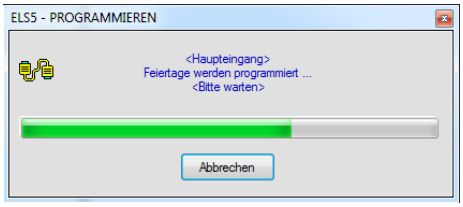


The window ‘Waiting for RF broadcast …’ opens.
(Not applicable if the device is detected as an active device).



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

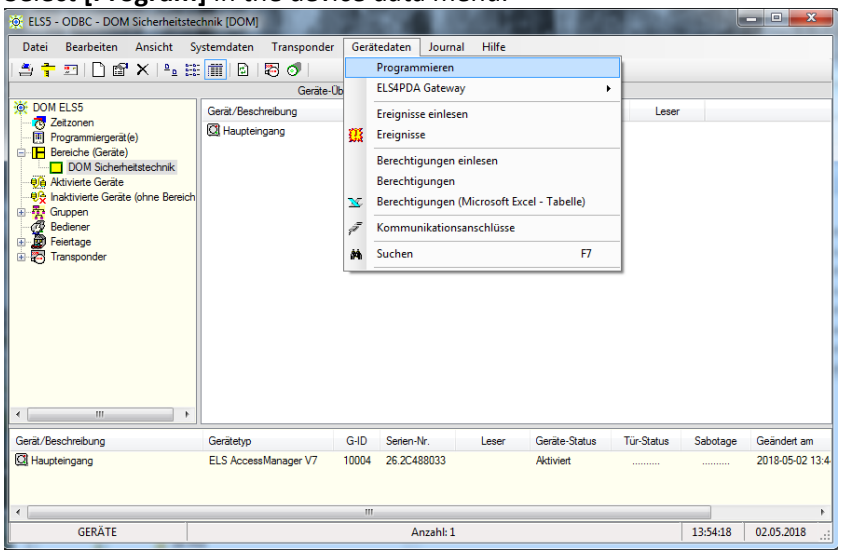
The device is then programmed.



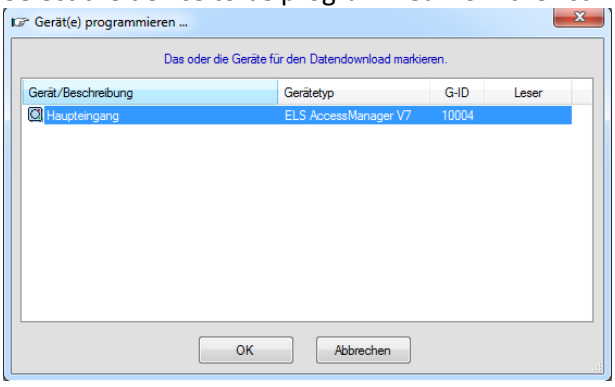
The device has been started up and programmed.

b) Manually selecting the device from the device list in the Device data / Program menu.

Select **[Program]** in the device data menu.



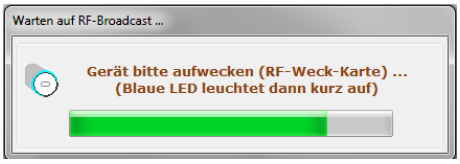
Select the device to be programmed from the list.



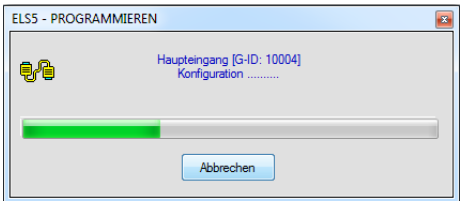
Click **[OK]** to confirm in the >**Program device(s)…**< window.



The window >**Waiting for RF broadcast …**< opens.
(Not applicable if the device is detected as an active device).



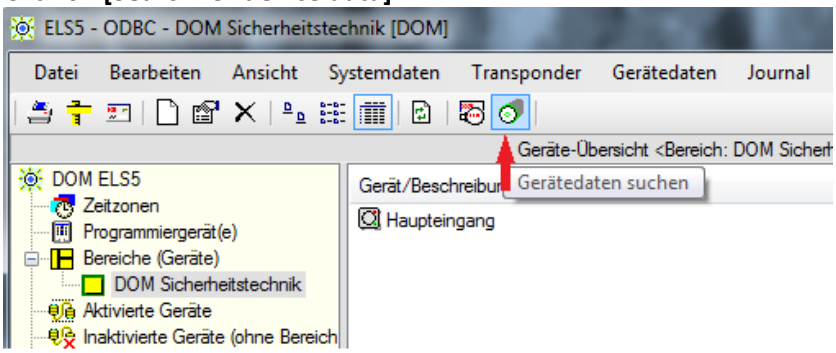
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).



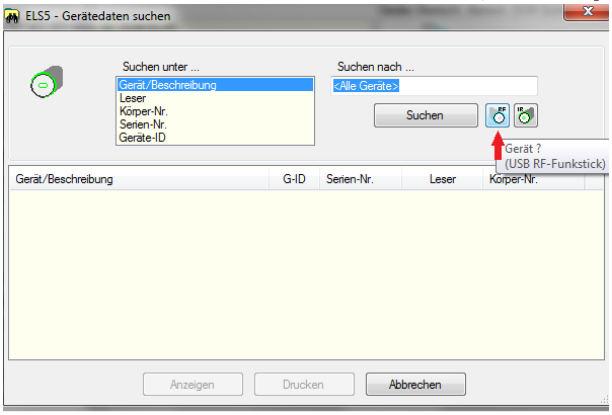
The device is then programmed.

c) Selecting the device via the ‘Search for device data’ function.

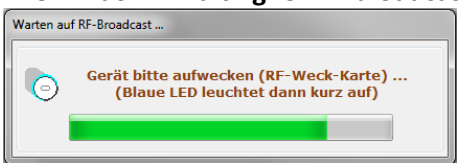
Click on **[Search for device data]**.



In the window >**Search for device data**<, click on [**Device? (USB RF stick)**].

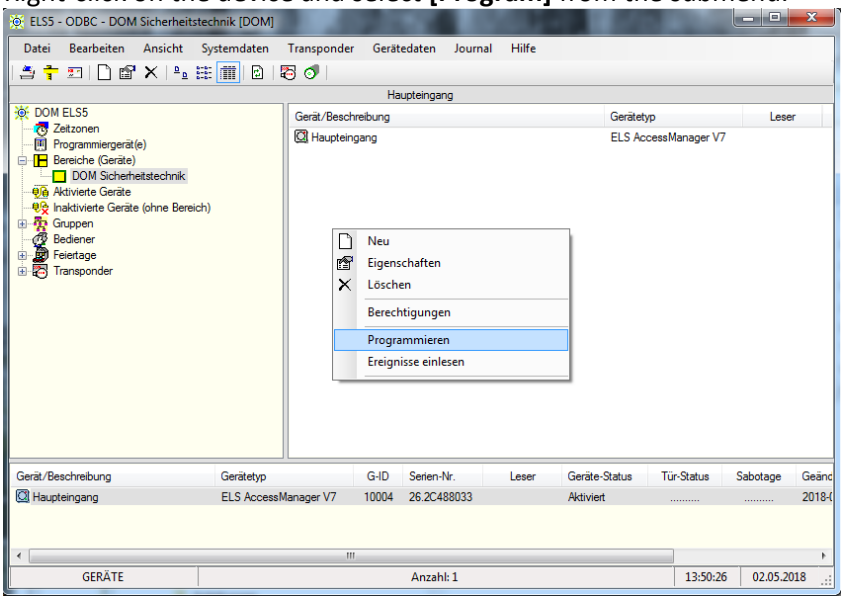


The window >**Waiting for RF broadcast …**< opens.

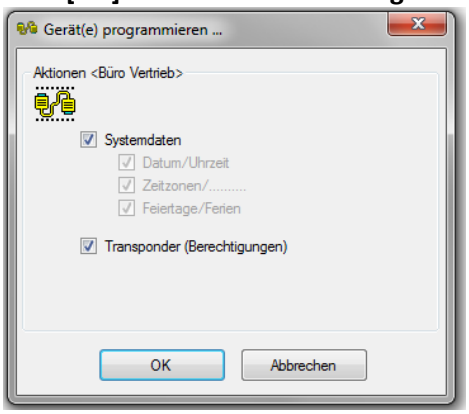


Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The detected device is highlighted.
Right-click on the device and select **[Program]** from the submenu.



Click **[OK]** to confirm in the >**Program device(s)…**< window.

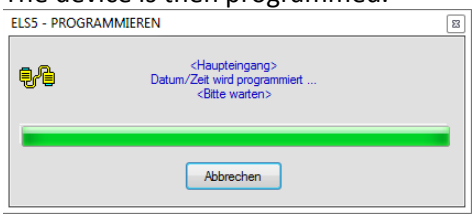


The window ‘Waiting for RF broadcast …’ opens.
(Not applicable if the device is detected as an active device).



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device is then programmed.



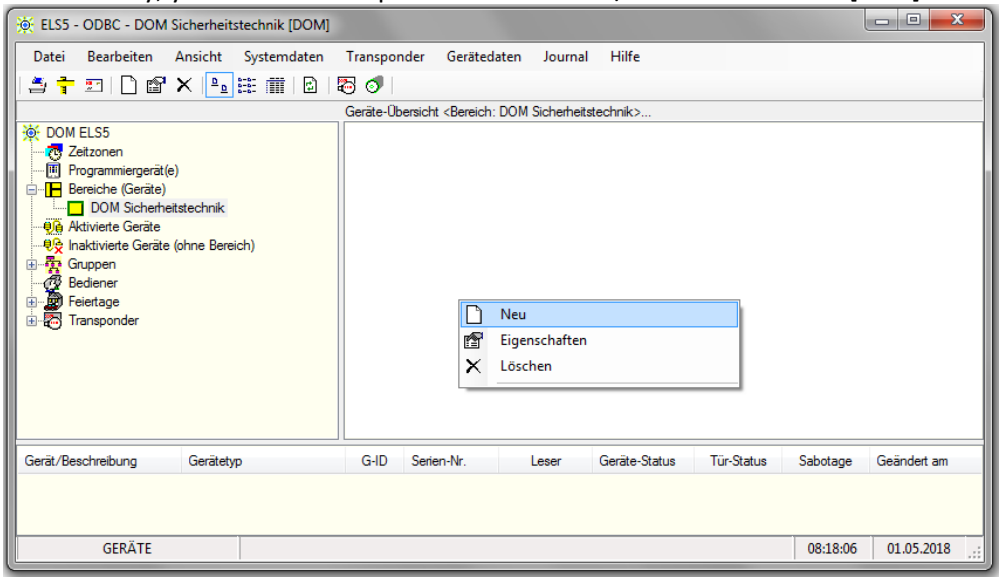
The device has been started up and programmed.

Note: If the device is programmed using the ELSmobile software, the device status must be set to [**Inactivated**].

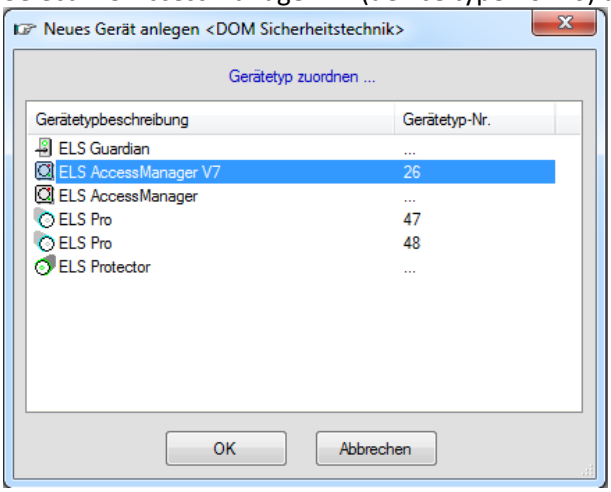
Setting up the ELS AccessManager V7 as an offline device in the ELS online software version

Create a new area or select an existing area.

Right-click in the window >**Device overview <Area: …**< and select **[New]**.
Alternatively, you can start the process via the Edit / New menu or the [New] button/icon.



Select ELS AccessManager V7 (device type no. 26) and click **[OK]** to confirm.

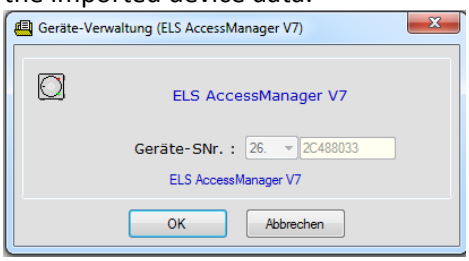


The window >**Waiting for RF broadcast …**< opens.



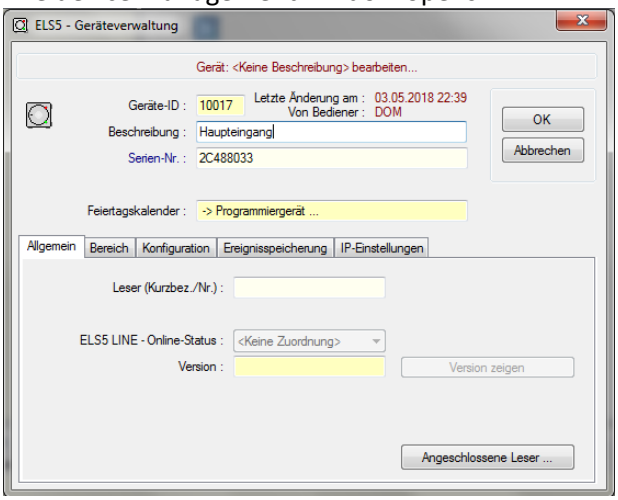
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

After showing the RF activation card, the device is imported and shown in the following window with the imported device data.



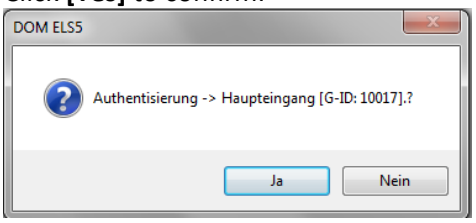
Click **[OK]** to confirm the recognised device in the ELS software.

The device management window opens.

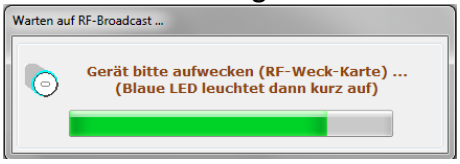


Enter a **description** for the device.
Click **[OK]** to confirm the changes.

A notification window on whether the device should be authenticated appears.
Click **[Yes]** to confirm.

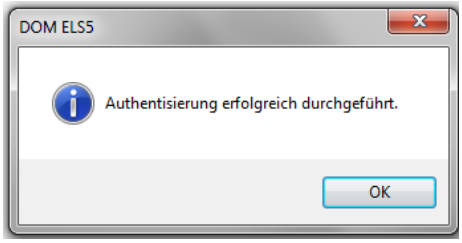


The window >**Waiting for RF broadcast …**< opens.



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).
The device is authenticated independently.

Once this has been successfully completed, the following notification appears.



Click on **[OK]**.

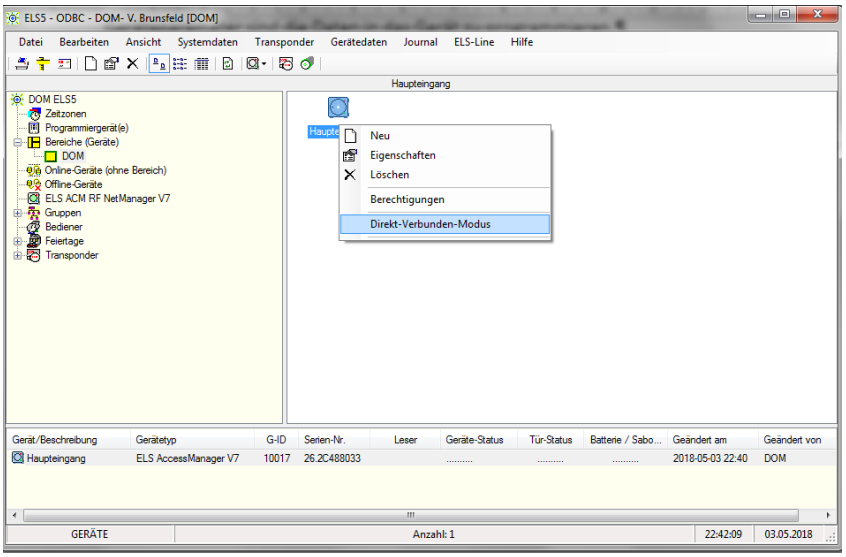
The device has been created and is authenticated with the ELS software.

Programming the ELS AccessManager V7 in the ELS offline software version

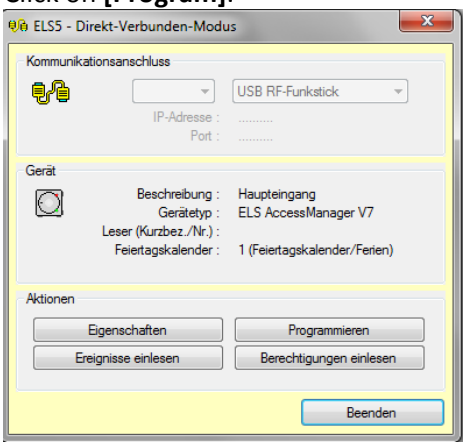
After the authorisations have been assigned and time zones, public holidays, holidays or device parameters have been created, the data is to be programmed in the device.

There are various ways to do this.

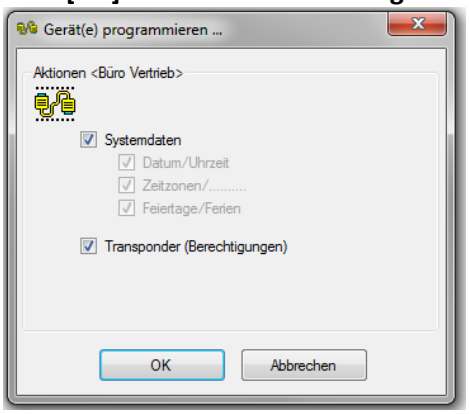
a) Manually selecting the device in the areas.
First, right-click on the device and select **[Directly connected mode]** from the submenu.



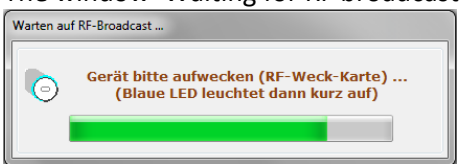
The window >**Directly connected mode …**< opens.
Click on **[Program]**.



Click **[OK]** to confirm in the >**Program device(s)…**< window.

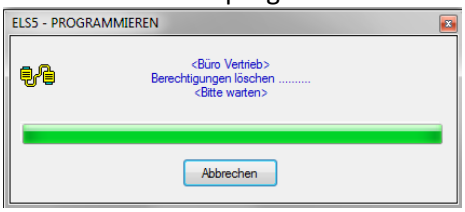


The window ‘Waiting for RF broadcast …’ opens.



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device is then programmed.

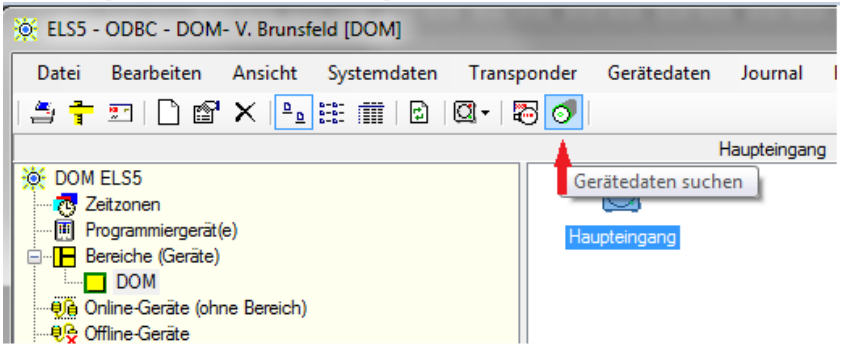


The device has been started up and programmed.

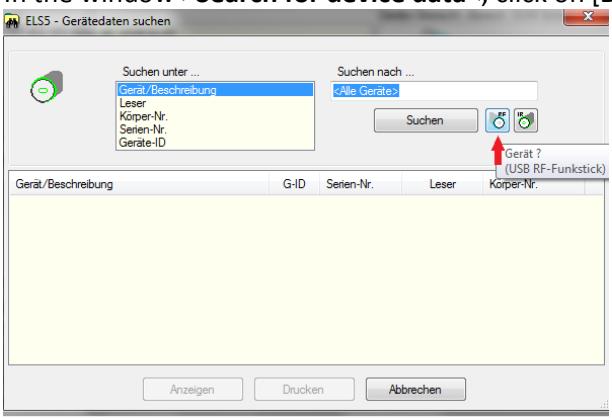
Click on [End] to close the >**Directly connected mode…**< window.

b) Selecting the device via the ‘Search for device data’ function.

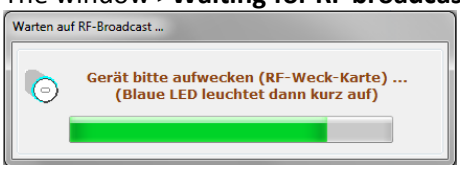
Click on **[Search for device data]**.



In the window >**Search for device data**<, click on [**Device? (USB RF stick)**]

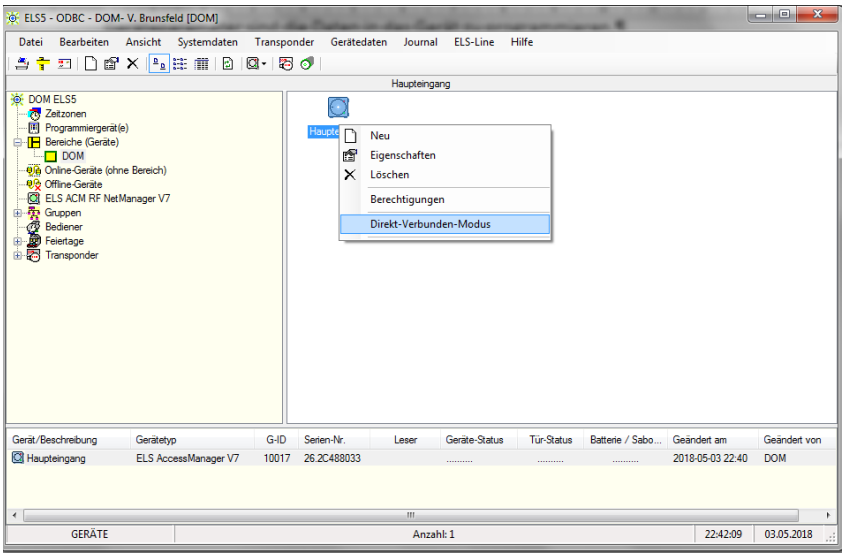


The window >**Waiting for RF broadcast …**< opens.

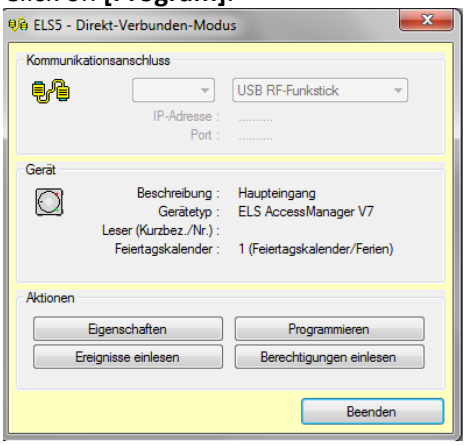


Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device management window is displayed.
Right-click on the device and select **[Directly connected mode]** from the submenu.



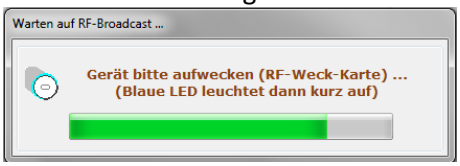
The window >**Directly connected mode …**< opens.
Click on **[Program]**.



Click **[OK]** to confirm in the >**Program device(s)…**< window.

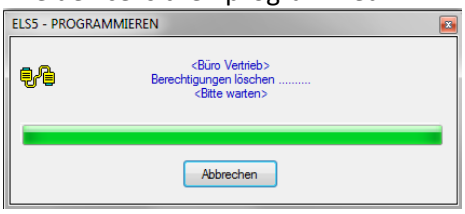


The window ‘Waiting for RF broadcast …’ opens.



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device is then programmed.



The device has been started up and programmed.

Click on [End] to close the >**Directly connected mode…**< window.

Start-up offline

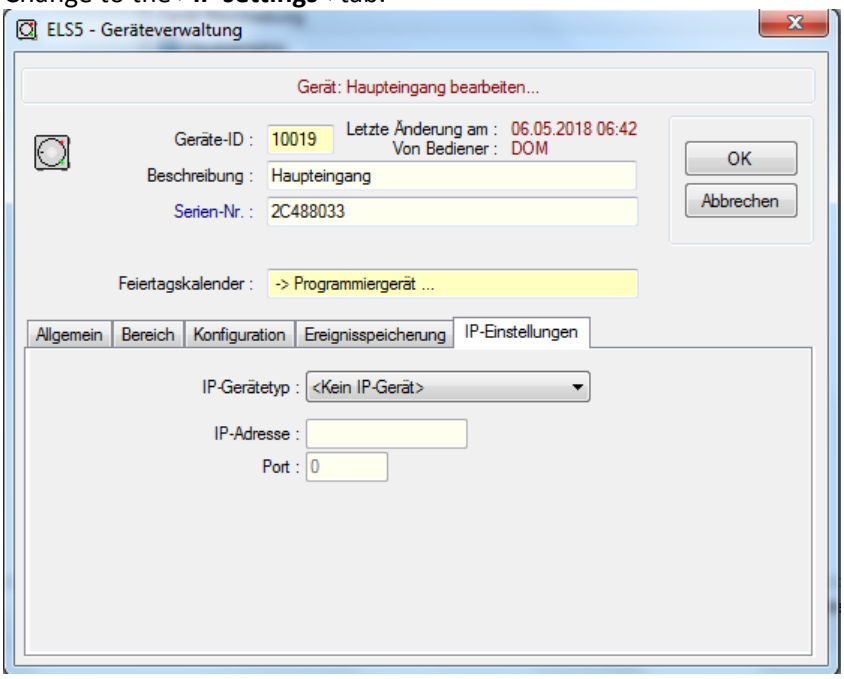
Configuring the ELS AccessManager V7 for online operation if no DHCP is available in the network. (Configuration via the USB RF stick)

If no DHCP is available in the network, the ELS AccessManager V7 network is configured with the ELS software directly via the USB RF stick.

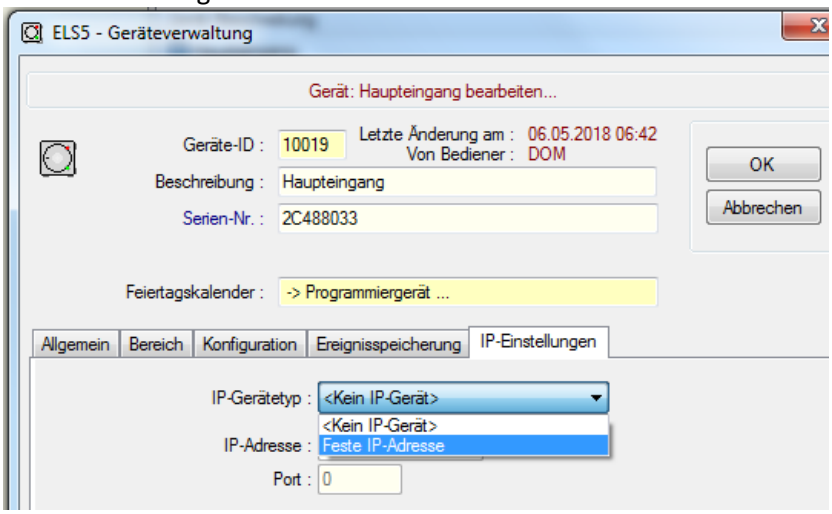
Note: The devices are in factory mode and are not authenticated with the master card or ELS software.

Open the >**ELS device management**< window by double clicking on the device or via the Edit menu.

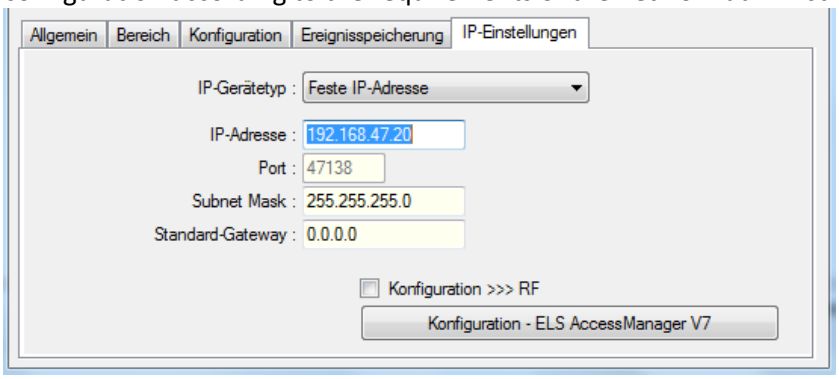
Change to the >**IP settings**< tab.



Select the setting >**Static IP address**< in the selection field >**IP device type:**<.



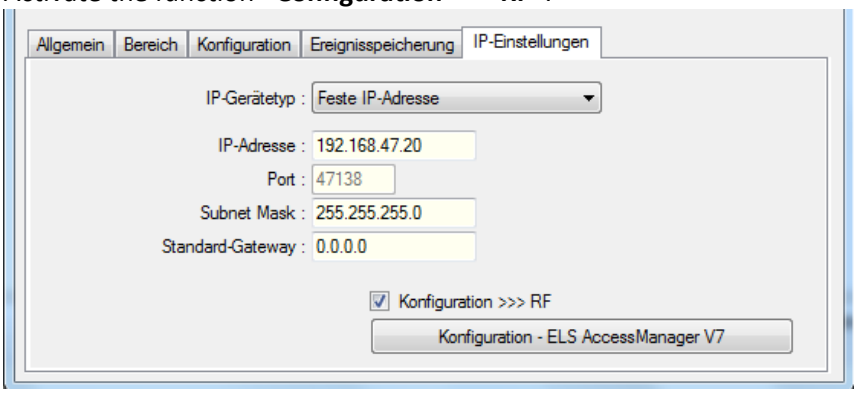
In the IP address, subnet mask and standard gateway fields, enter the data for the network configuration according to the requirements of the network administrator.



Click **[OK]** to accept the entries and open the >**ELS device management**< window again by double clicking on the device or via the Edit menu.

Change to the >**IP settings**< tab.

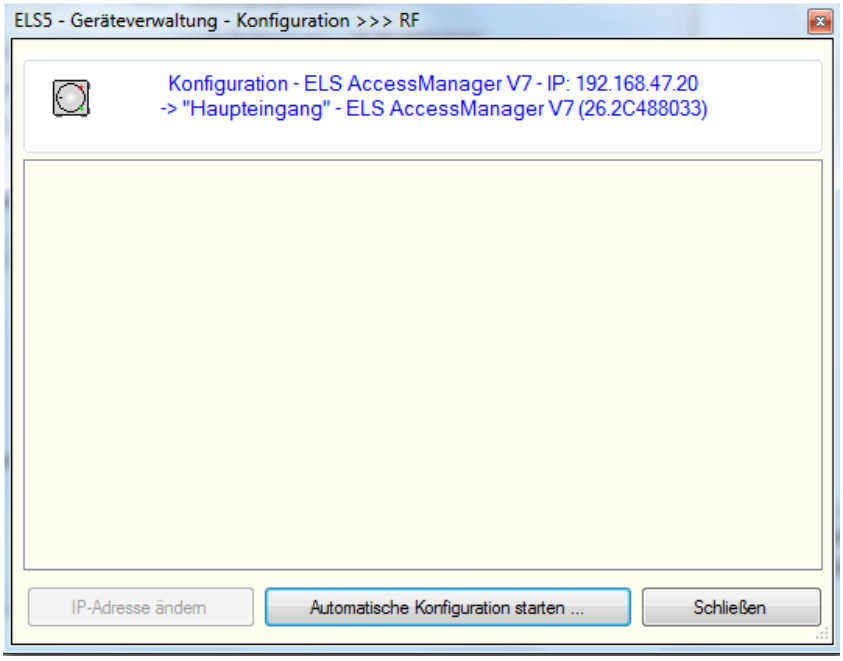
Activate the function >**Configuration >>> RF**<.



Then click [**Configuration – ELS AccessManager V7**].

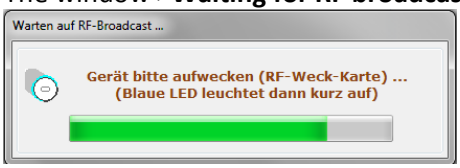
The window

>**ELS – device management – configuration >>> RF**< opens.



Click **[Start automatic configuration]**.

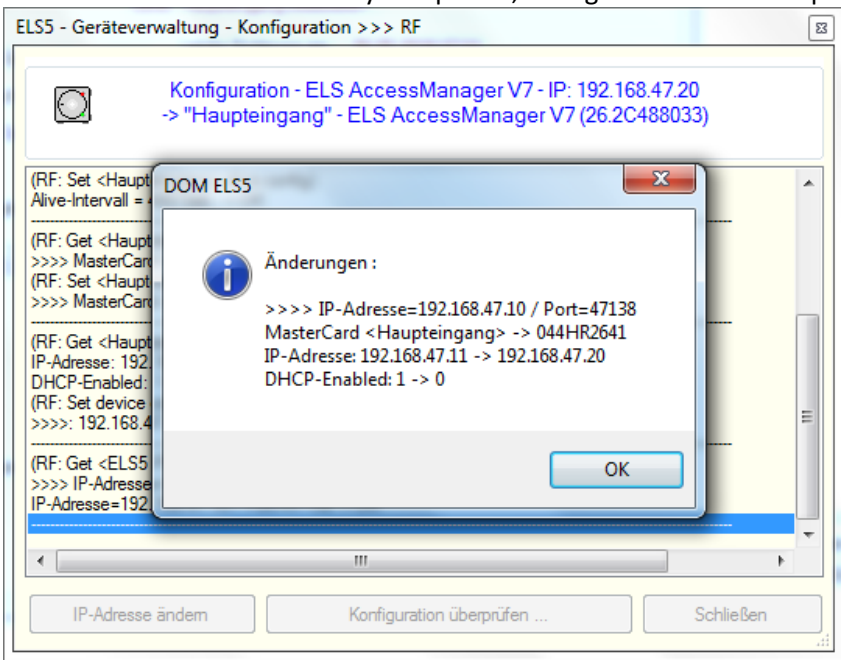
The window >**Waiting for RF broadcast …**< opens.



Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device is configured independently.

Once this has been successfully completed, configuration data is displayed.



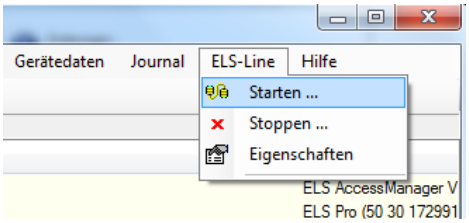
Close the window by clicking on [OK] and the >**ELS – device management – configuration >>> RF**< window by clicking **[Close]**.

Click **[OK]** to close the >**ELS device management**< window.

Now assemble the devices at their installation site.

Ensure that the network connection is configured and established.

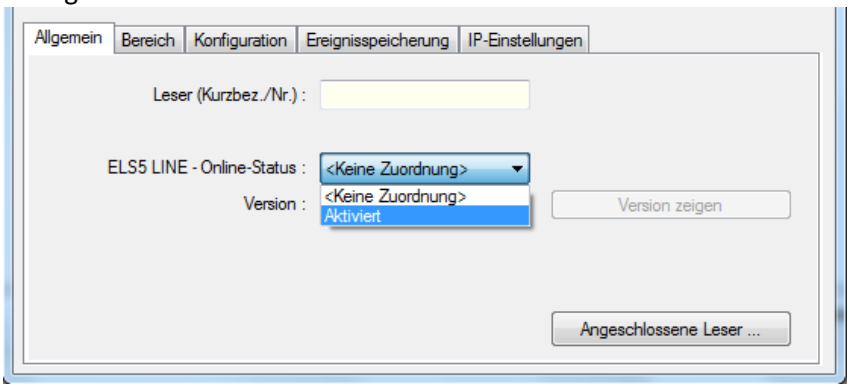
Start the ELS Line program.



Now transfer the configured ELS Pro device to the ELS5 Line program.

Open the >**ELS device management**< window by double clicking on the device or via the Edit menu.

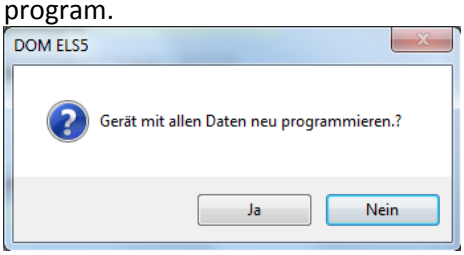
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



Click **[OK]** to confirm the settings.

Note: This transfers the device to the ELS5Line program, which is responsible for operating the devices in the online network.

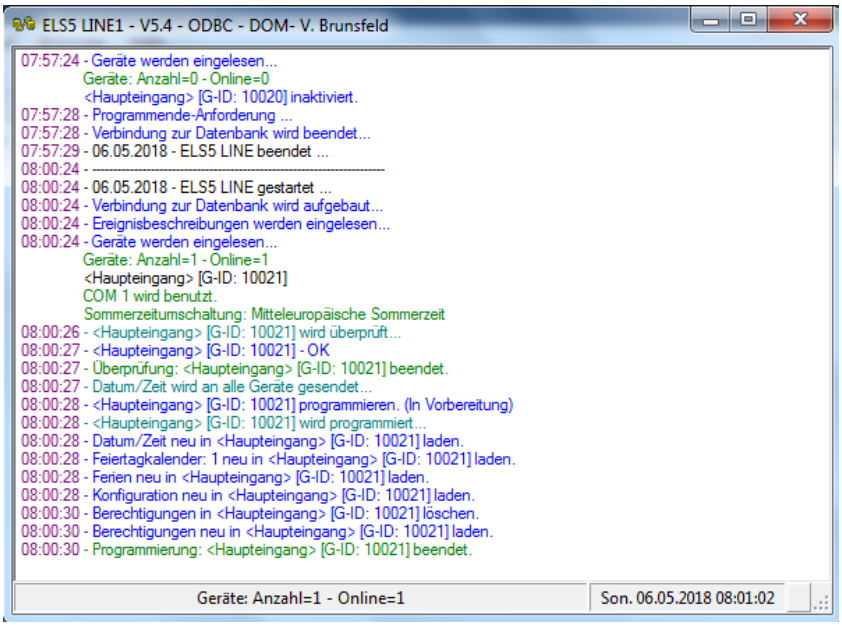
In the next window, click **[Yes]** to fully program the device after the transfer to the ELS5Line program.



Note: Clicking **[Yes]** will switch the programming status to 'Programming in preparation'.
If the device is not installed and the network connection is not established at this point, the ELS Line program will program the device if an existing network connection is detected.

The >**ELS device management**< window closes.
Network configuration is complete.

The newly assigned device is displayed in the ELS Line program.
If the function ‘Reprogram device with all data‘ has been selected with the transfer of the device to the ELS Line program, the device is programmed once the network connection has been successfully tested.



Note: For the ELS Line program to communicate (send and receive data) with the device, the system switches from the RF port 47138 to the online port 9601.

Configuring the ELS AccessManager V7 for online operation if a DHCP is available in the network.

To directly configure the IP via the network, a DHCP must be available in the network, the device installed and the network connection established.

Note: A DHCP is required for start-up in the network.
This assigns an IP address to the ELS AccessManager V7.
After the network has been configured, the DHCP function on the ELS AccessManager V7 is deactivated, which keeps the static IP address assigned.

For the direct IP configuration via the network, it is necessary for an “alive” notification to be sent from the device to be configured to the ELS software. This will be sent from the unconfigured ELS AccessManager V7 at an interval of 60 seconds.

Important!: Incoming alive notifications are recorded in the UDPListener.log log file.
For this purpose, it is essential that the ELS software is started and the menu >ELS – device administration – IP: “PC IP address”< is not active.

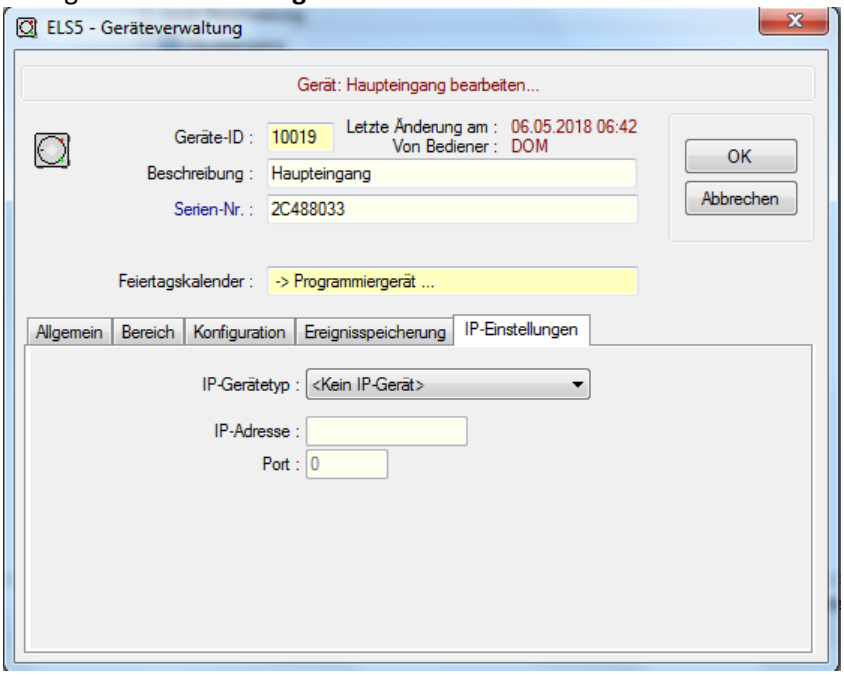
The UDPListener.log log file is created with the first alive and is located in the ELS software installation path.

Do not configure the IP data until an alive (max. 60 seconds) is received in the ELS software.

Now set up the ELS Pro in the ELS software, enter a description. (See relevant chapter.)

Open the >**ELS device management**< window by double clicking on the device or via the Edit menu.

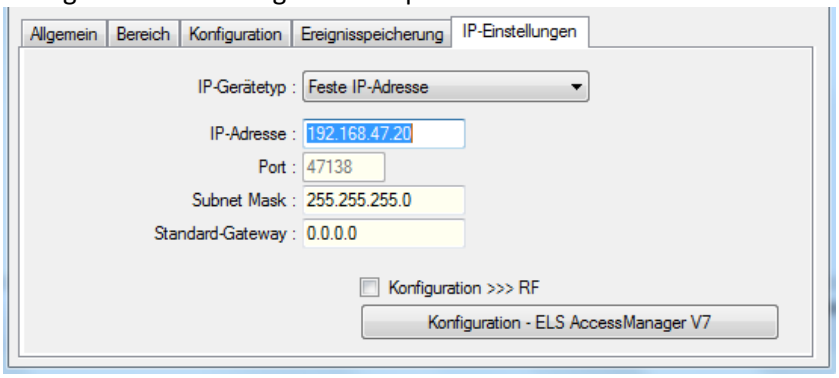
Change to the >**IP settings**< tab.



Select the entry [Static IP address].



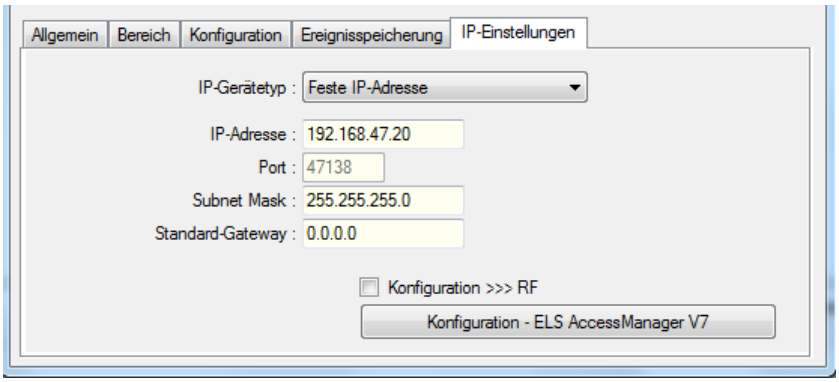
In the IP address, subnet mask and standard gateway fields, enter the data for the network configuration according to the requirements of the network administrator.



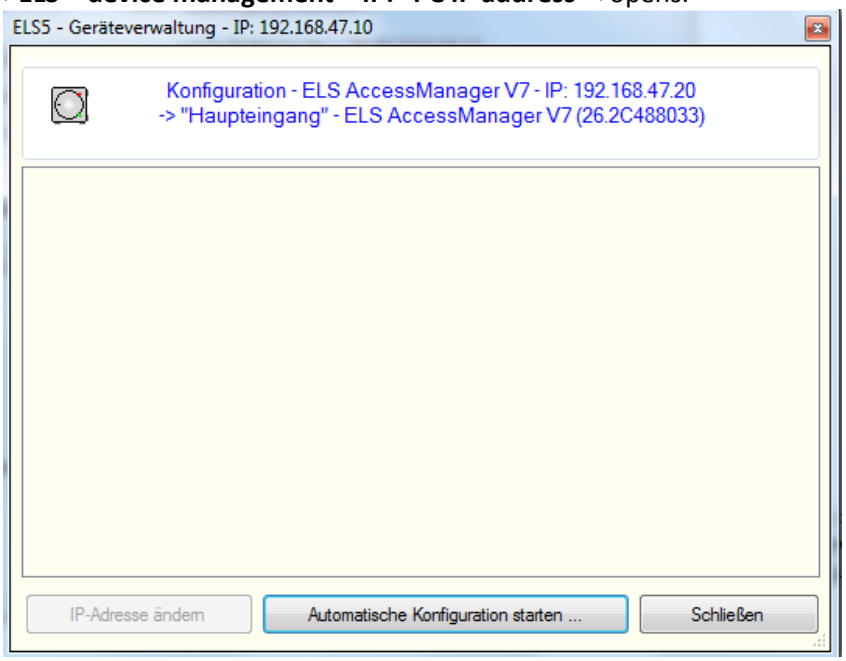
Click **[OK]** to accept the entries and open the >**ELS device management**< window again by double clicking on the device or via the Edit menu.

Change to the >**IP settings**< tab.

Then click [**Configuration – ELS AccessManager V7**].

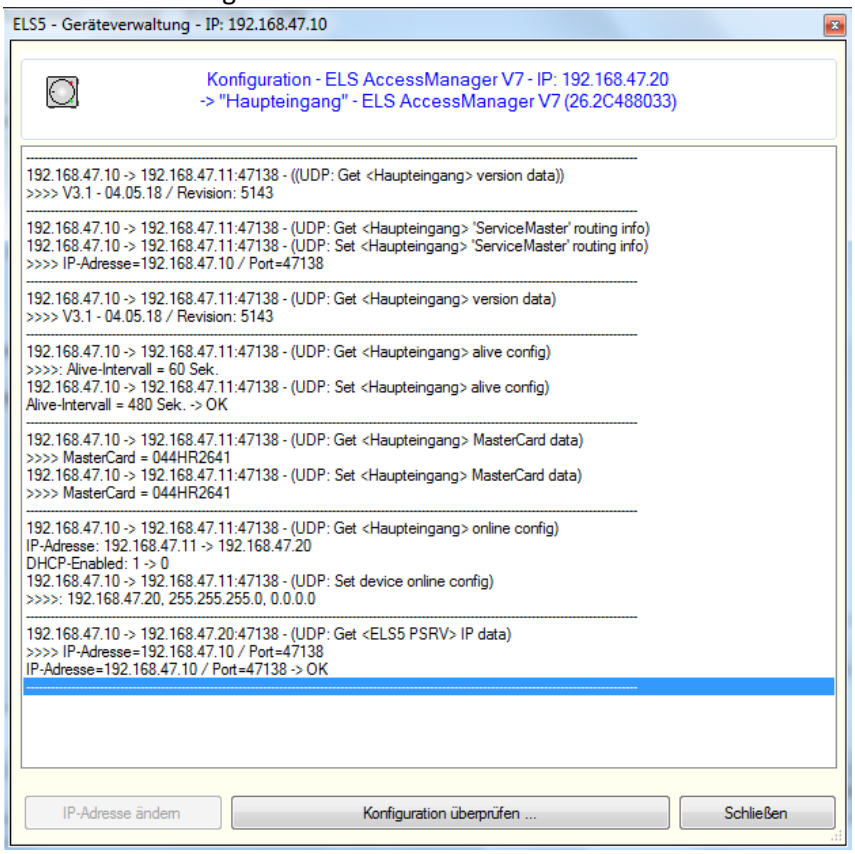


The window
>**ELS – device management – IP: "PC IP address"**< opens.

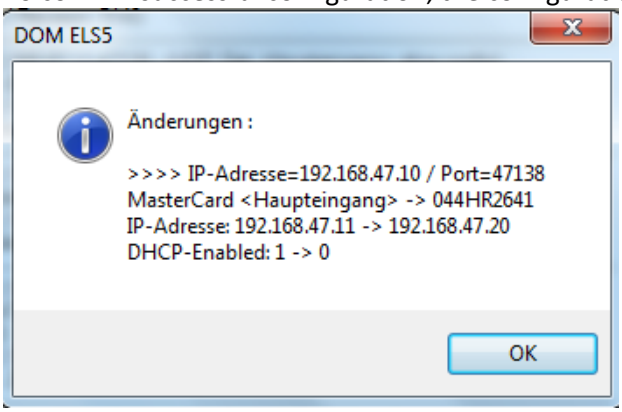


Click **[Start automatic configuration]**.

The device is configured.

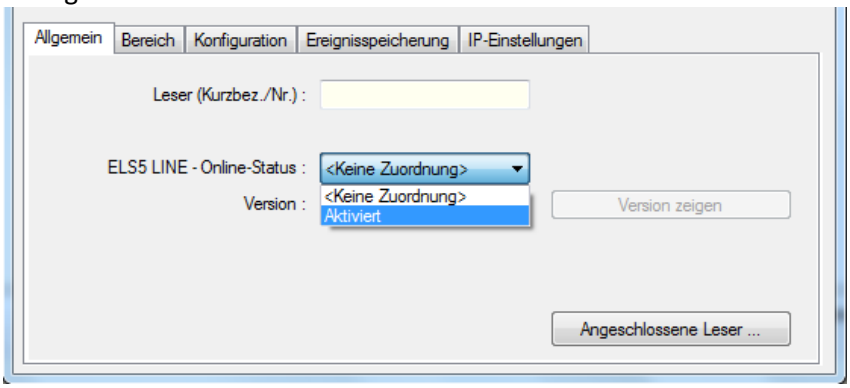


To confirm successful configuration, the configuration parameters are displayed.



Close the window by clicking **[OK]** and the > **ELS – device management – IP: "PC IP address "**< window by clicking [Close].

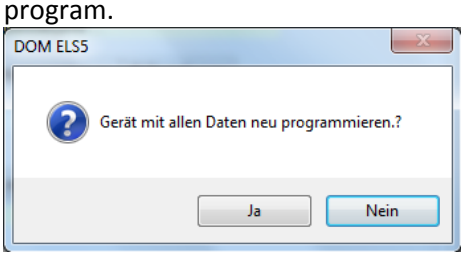
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



Click **[OK]** to confirm the settings.

Note: This transfers the device to the ELS5Line program, which is responsible for operating the devices in the online network.

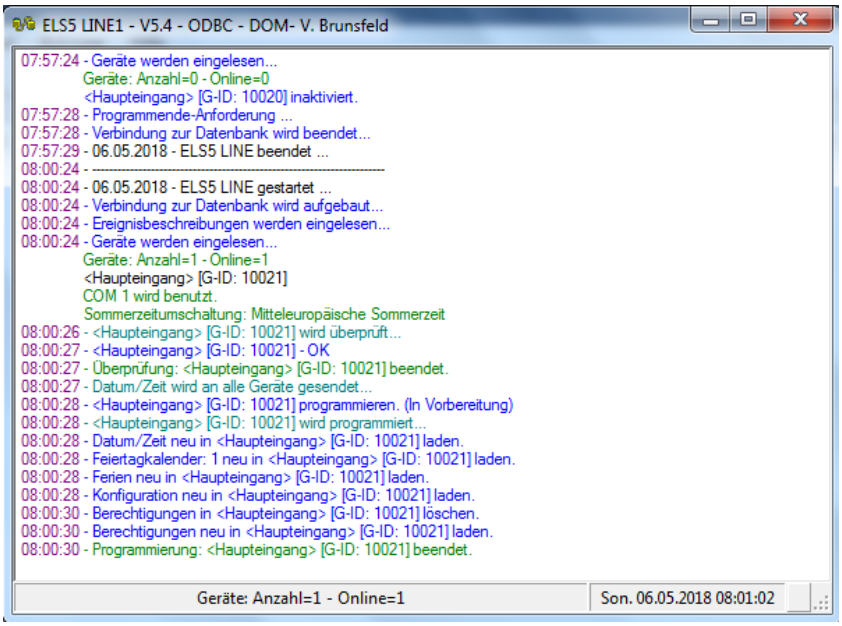
In the next window, click **[Yes]** to fully program the device after the transfer to the ELS5Line program.



Note: Clicking **[Yes]** will switch the programming status to ‘Programming in preparation’.

The >**ELS device management**< window closes.
Network configuration is complete.

The newly assigned device is displayed and verified in the ELS Line program.
If the function ‘Reprogram device with all data‘ has been selected beforehand, the device is fully programmed once the network connection has been successfully tested.



Note: The device must always be fully programmed after online start-up. If authorisation/device data subsequently changes, the device is automatically programmed. (Full programming is not necessary here.)