Software operating instructions

ELS Pro (type 48)

ELS RF NetManager V7

Start-up and programming

Offline / Online

V1.0 May 2018

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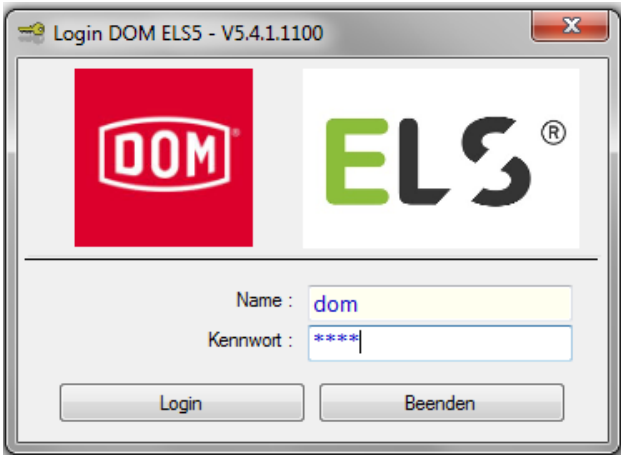
General

These instructions describe various scenarios for starting up the ELS Pro (type 48) and ELS ACM RF NetManager 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)



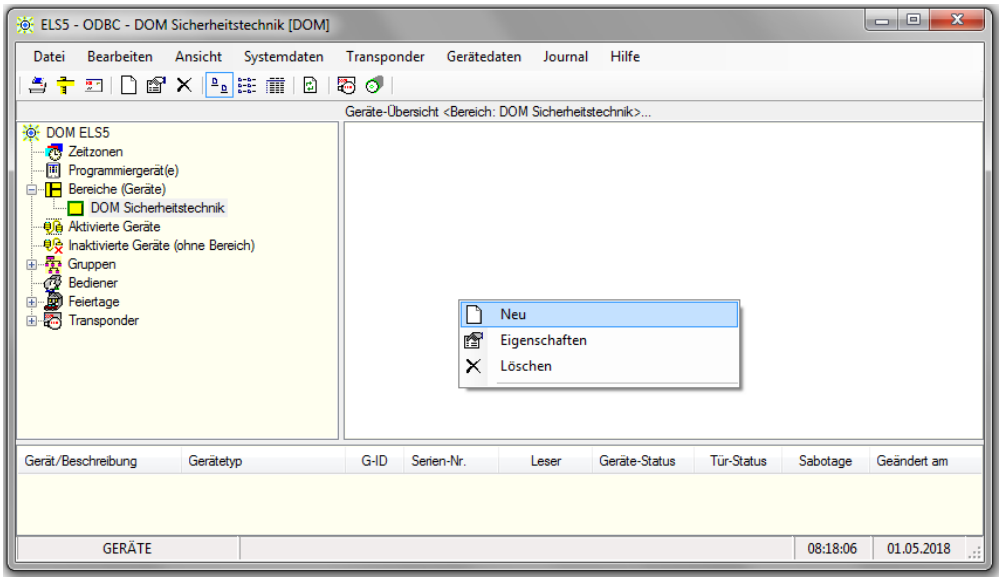
Note: From ELS software version V5.4, it is recommended to import the system's master card into the ELS software to manage the ELS Pro type 48.
The authentication data of the ELS software is written on the master card when the card is imported.

Start-up offline

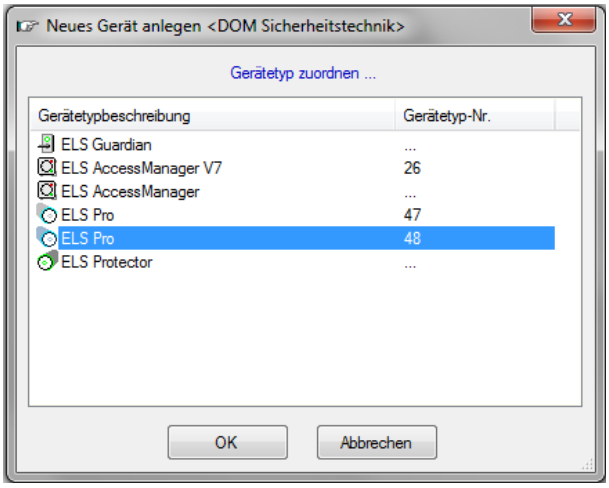
Setting up the ELS Pro (type 48) in the ELS offline software version

Create a new area or select an existing area.

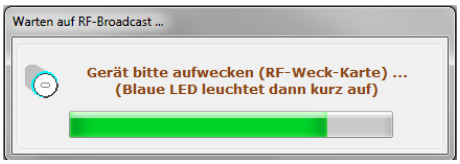
Right-click in the window >**Device overview <Area: …**< and select **[New]**.
Alternatively, you can start the process via the Edit / New menu or the [New] button/icon.



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

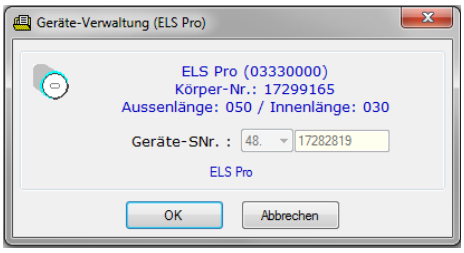


The window >**Waiting for RF broadcast …**< opens.



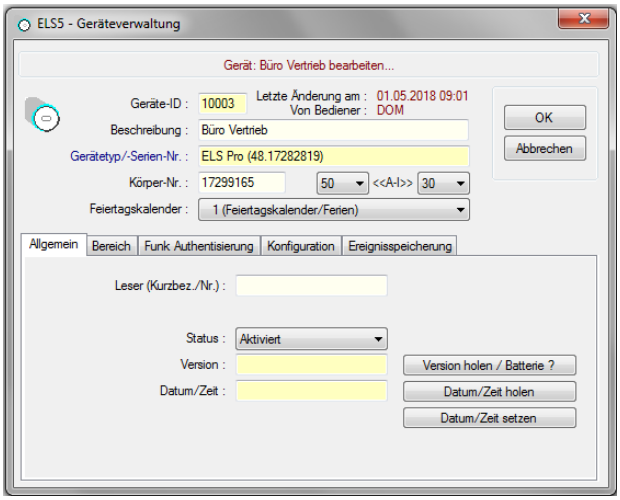
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

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.

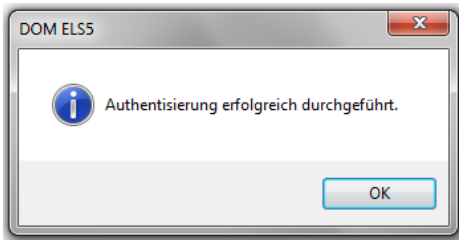


The window >**Waiting for RF broadcast …**< opens.



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.

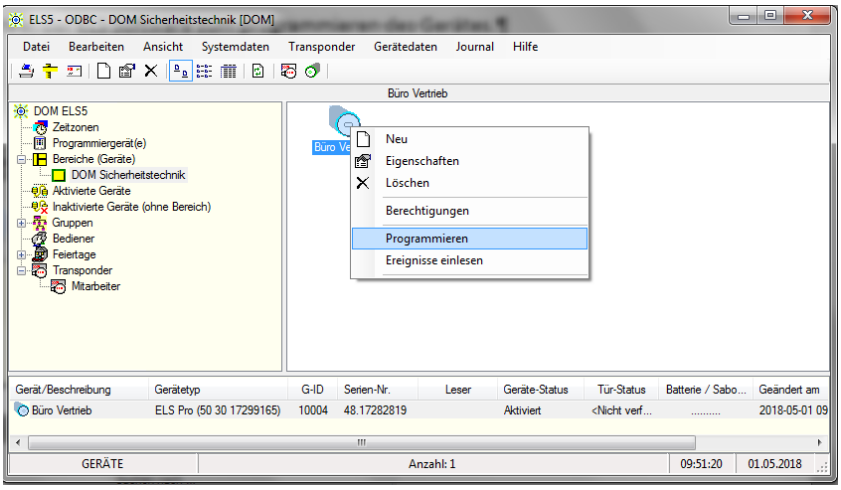
Programming the ELS Pro (type 48) in the ELS offline software version

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.

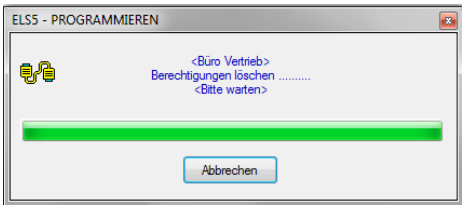


The window ‘Waiting for RF broadcast …’ opens.



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

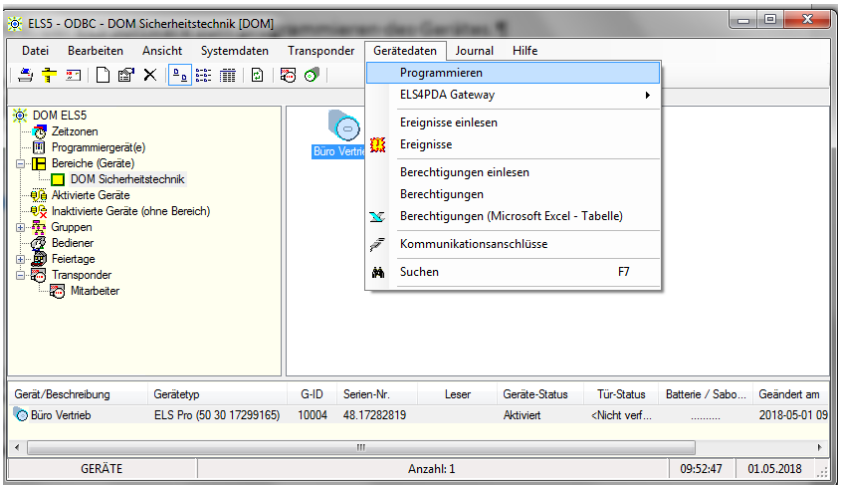
The device is then programmed.



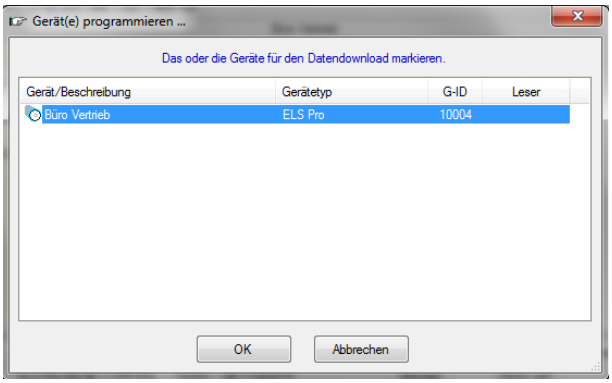
The device has been started up and programmed.

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.



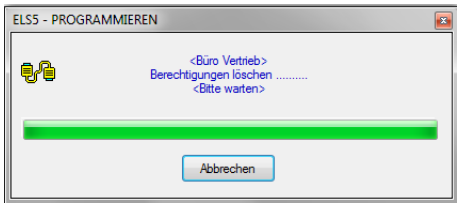
Click **[OK]** to confirm in the >**Program device(s)…**< window.



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



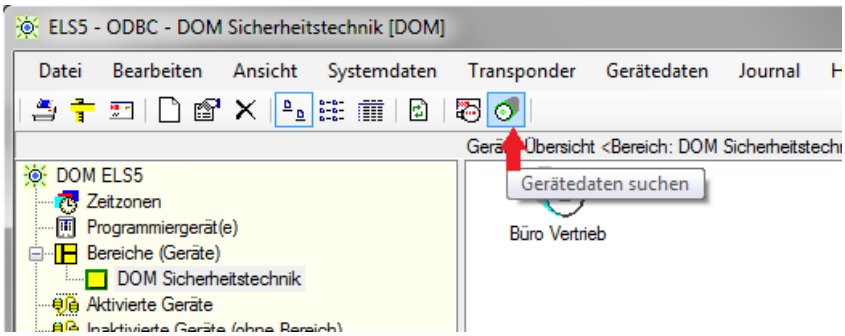
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).



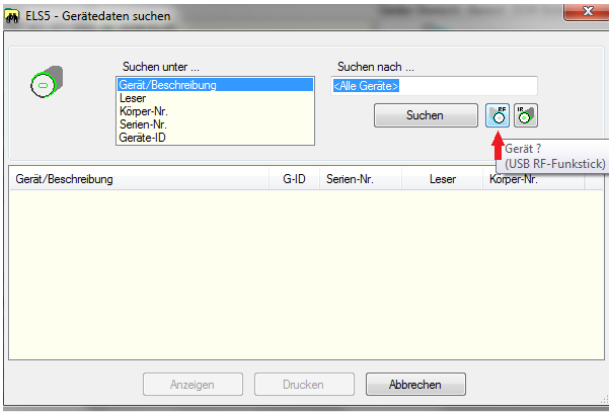
The device is then programmed.

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

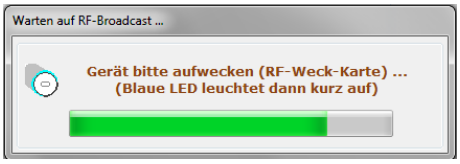
Click on **[Search for device data]**.



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



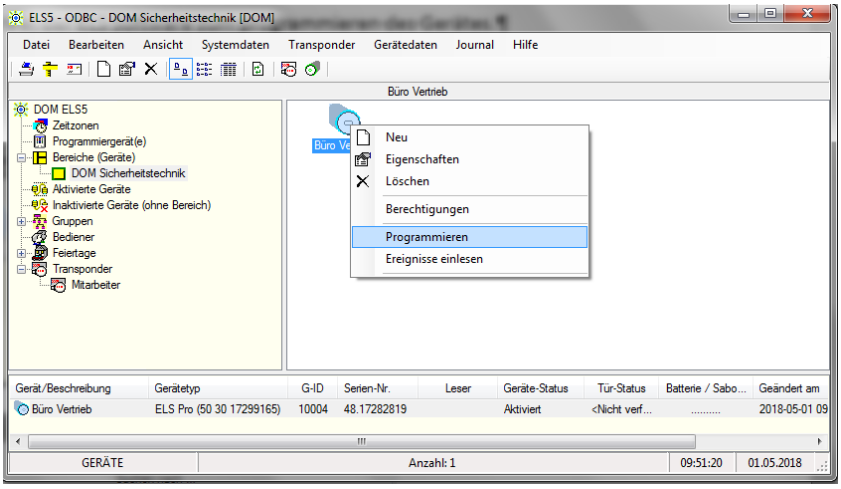
The window >**Waiting for RF broadcast …**< opens.



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.

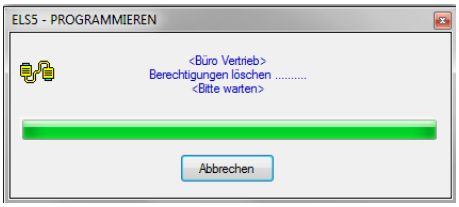


The window ‘Waiting for RF broadcast …’ opens.



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.



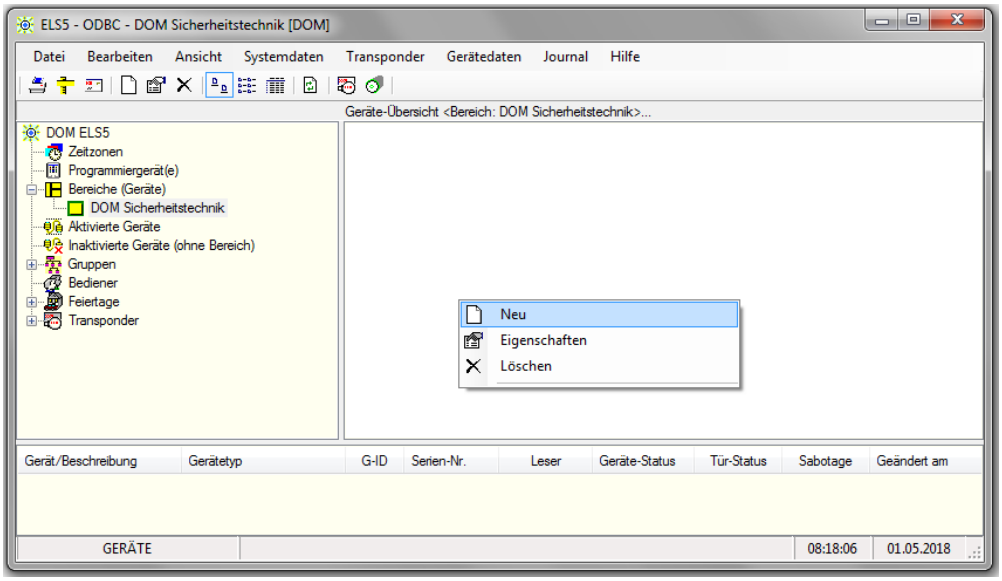
The device has been started up and programmed.

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

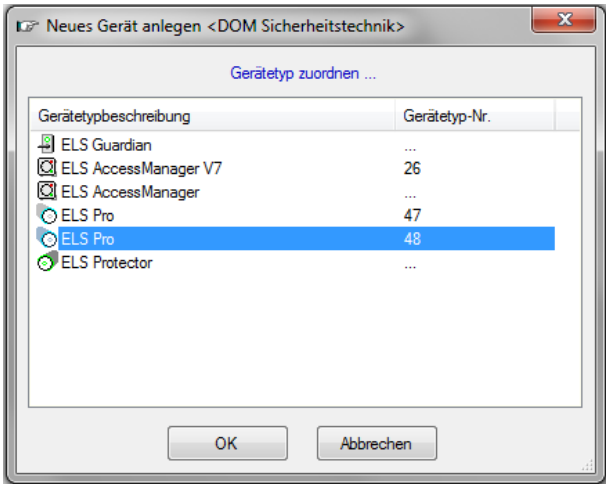
Setting up the ELS Pro (type 48) as an offline device in the ELS online software version

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 Pro with device type no. 48.

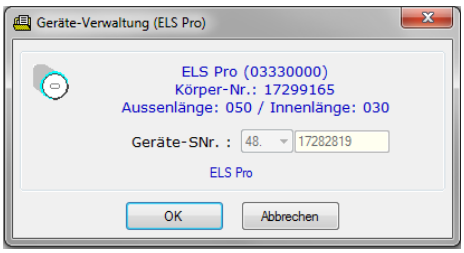


The window >**Waiting for RF broadcast …**< opens.



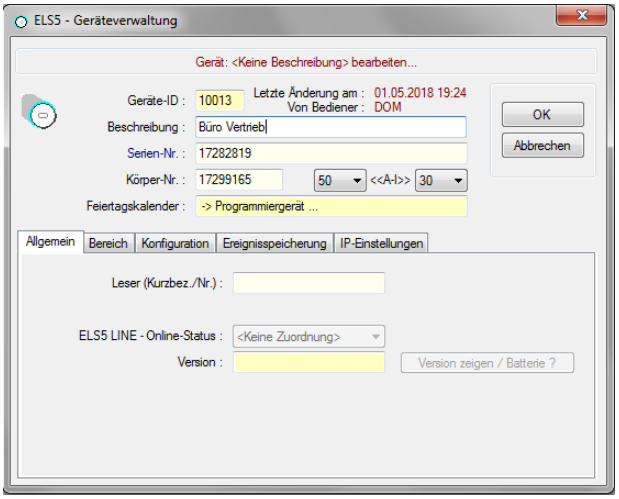
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

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.

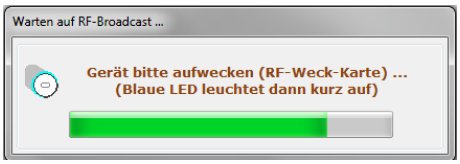


Enter a **description** for the device.
Click **[OK]** to confirm the changes.

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

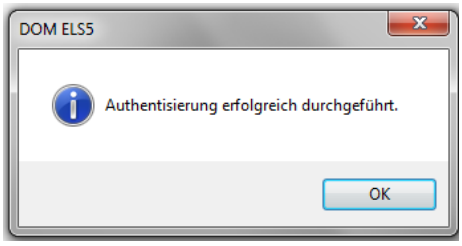


The window >**Waiting for RF broadcast …**< opens.



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]**.

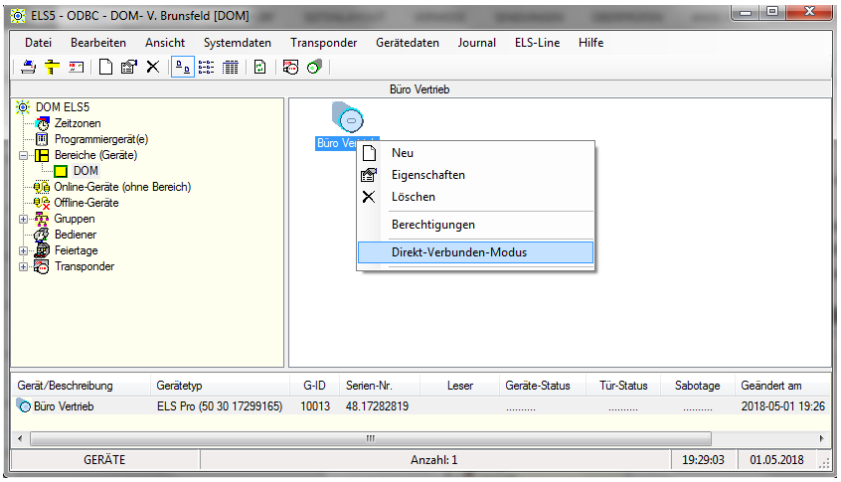
The device has been created and is authenticated with the ELS software.

Setting up the ELS Pro (type 48) as an offline device in the ELS online software version

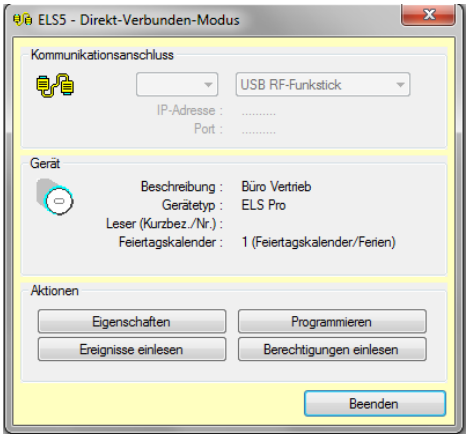
After the authorisations have been assigned and time zones, public holidays, holidays or device parameters have been created, the data is to be programmed in the device.

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.

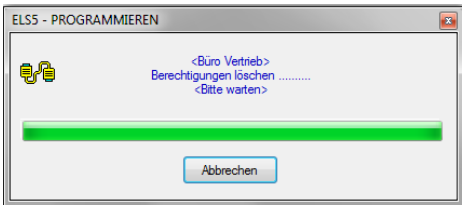


The window ‘Waiting for RF broadcast …’ opens.



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

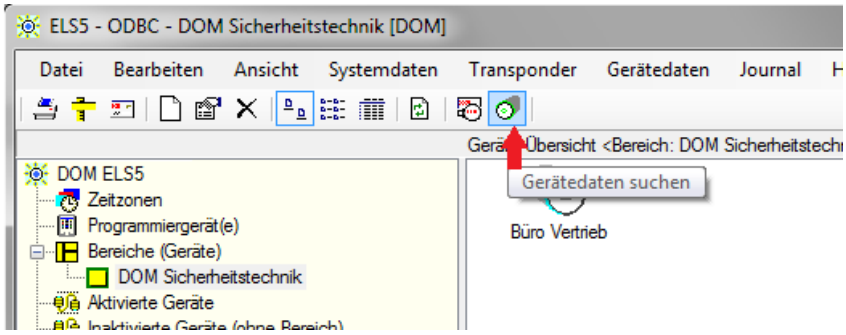
The device is then programmed.



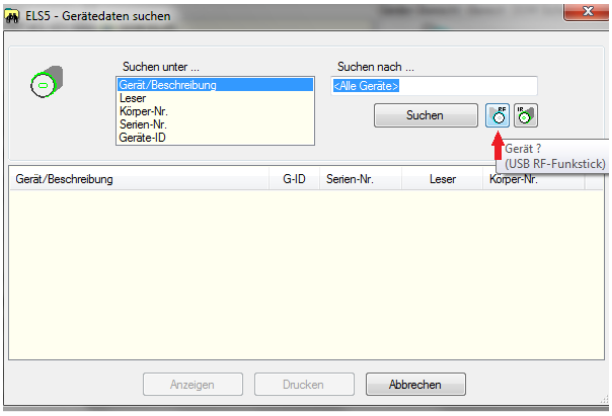
The device has been started up and programmed.

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

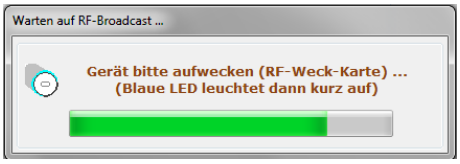
Click on **[Search for device data]**.



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

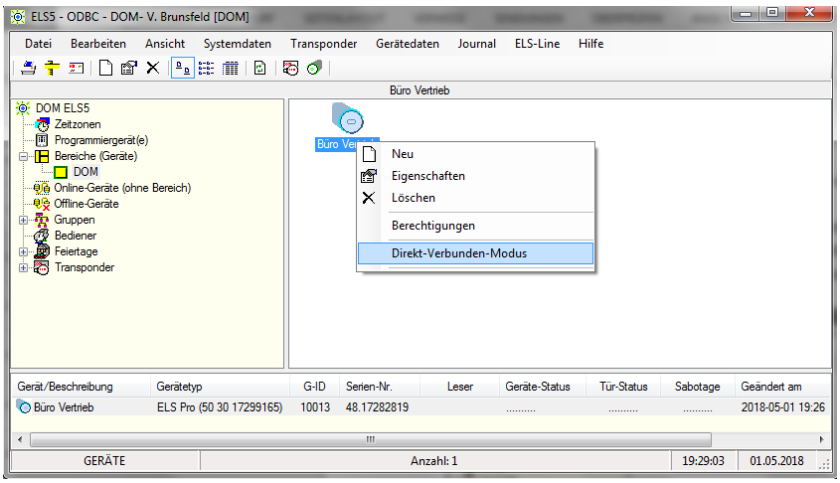


The window >**Waiting for RF broadcast …**< opens.



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.

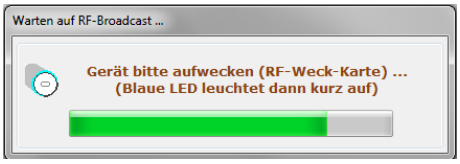
Click on **[Program]**.



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

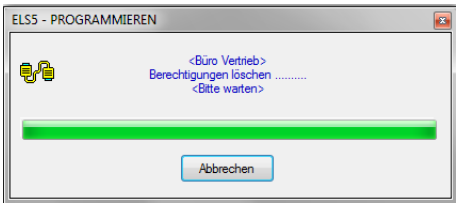


The window 'Waiting for RF broadcast …' opens.



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.

Start-up offline

Configuring the ELS Pro (type 48) with the ELS ACM RF NetManager 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 network of the ELS Pro and ELS ACM RF NetManager V7 devices 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.

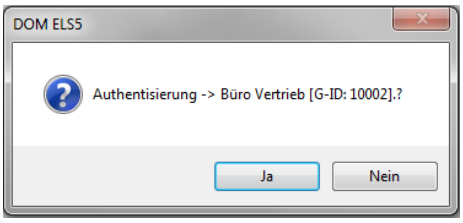
First, hold the RF online card in front of the ELS ACM RF NetManager V7 and keep it in the reading field until the configuration data has been written (upon completion, the blue LED and the buzzer will be briefly switched on).

Hold the RF online card in front of the ELS Pro and keep it in the reading field until the configuration data has been written (the blue LEB flashes for the radio test).

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

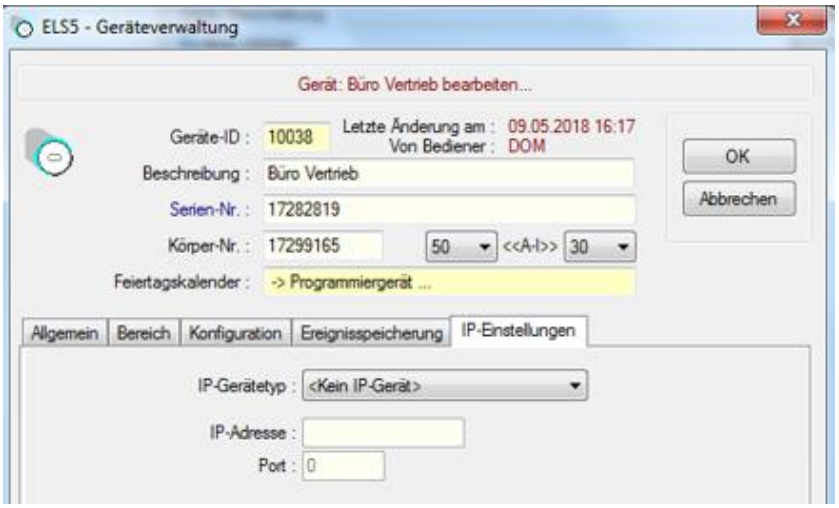
Important: Do not authenticate the device! (This is carried out later.)

A notification window on whether the device should be authenticated appears.
Click **[No]** to confirm.

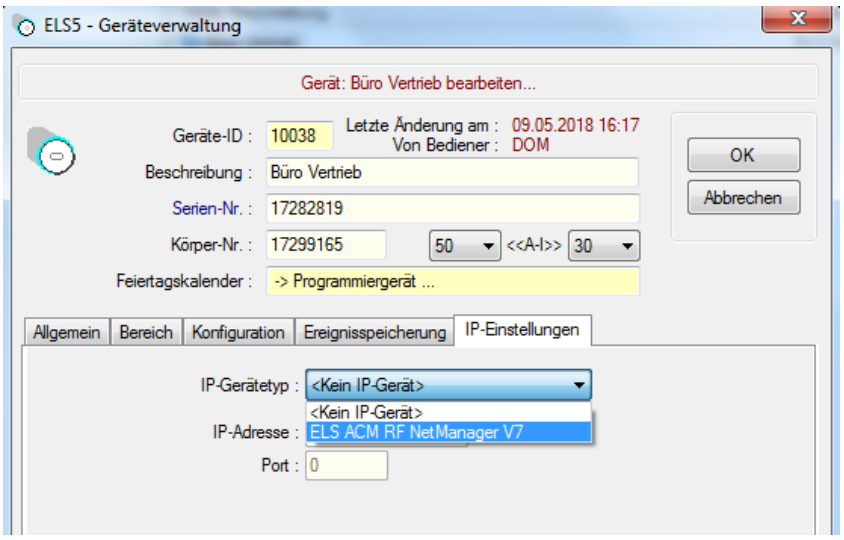


Open the >**ELS device management**< window by double clicking on the device or via the Edit menu.

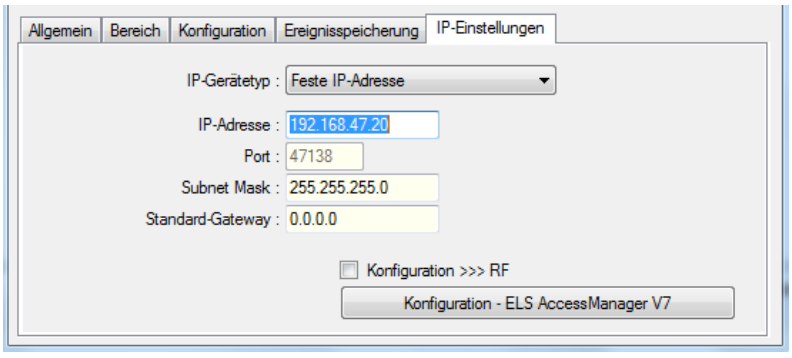
Change to the >**IP settings**< tab.



Select the setting >**ELS ACM RF NetManager V7**< in the selection field >**IP device type:**<.



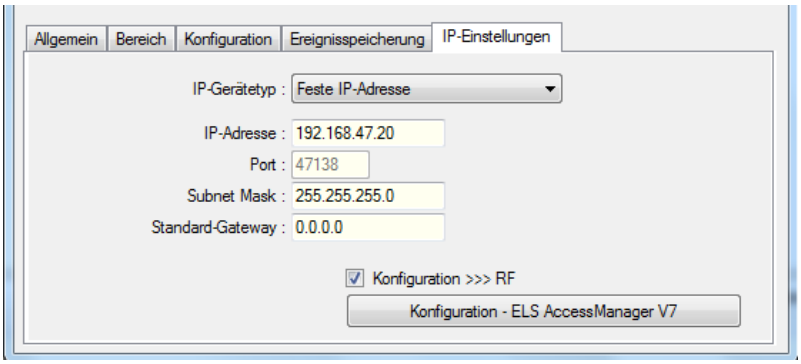
In the IP address, subnet mask and standard gateway fields, enter the data for the network configuration according to the requirements of the network administrator.



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.

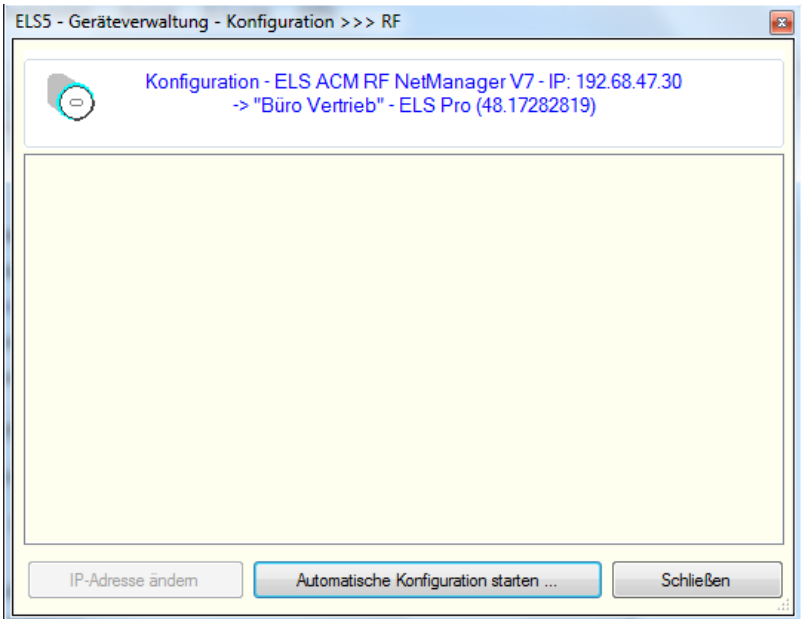
Change to the >**IP settings**< tab.

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



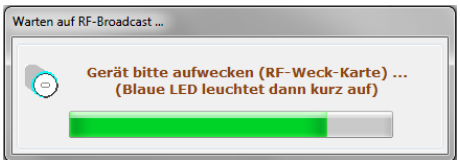
Then click [**Configuration – ELS AccessManager V7**].

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



Click **[Start automatic configuration]**.

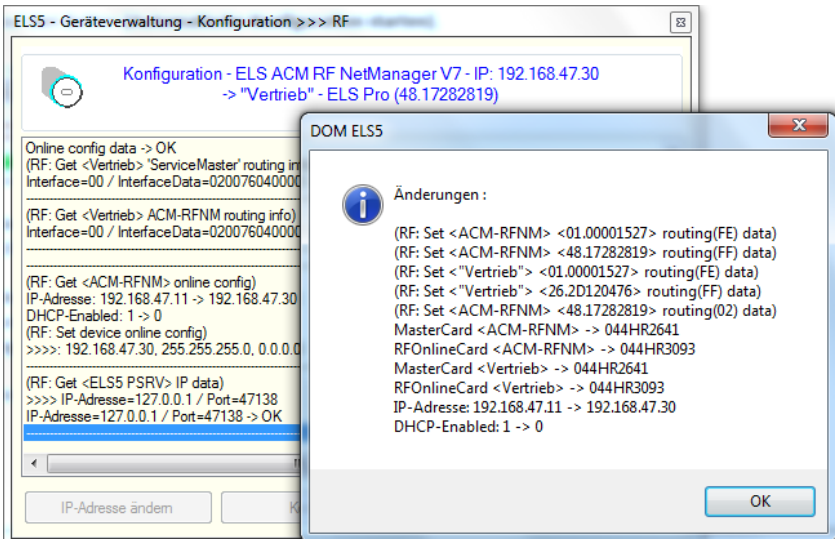
The window >**Waiting for RF broadcast …**< opens.



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

During the configuration process, the RF activation card must be held in front of the device four times for the individual configuration steps (follow the respective prompts).

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



Click **[OK]** to close the window.

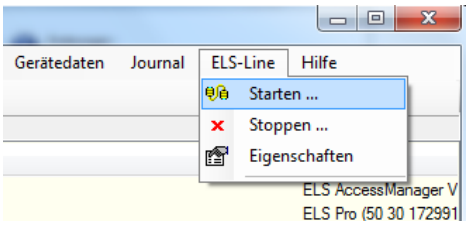
Click **[Close]** to close the >**ELS device management – configuration>>> RF**< window.

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.

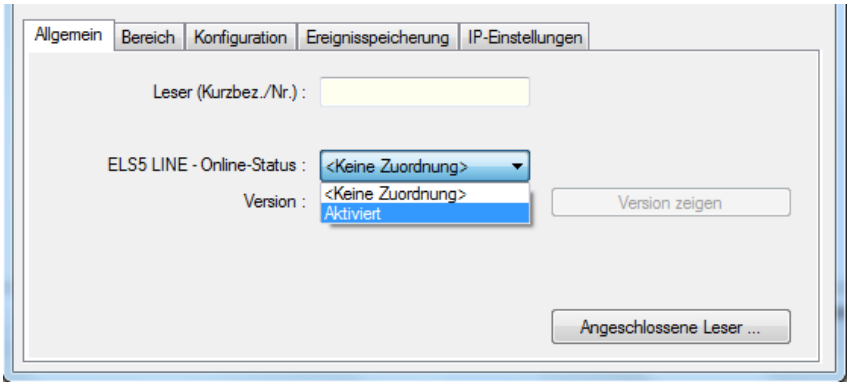
Start the ELS Line program.



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.

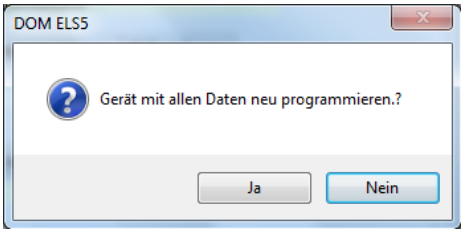
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



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.

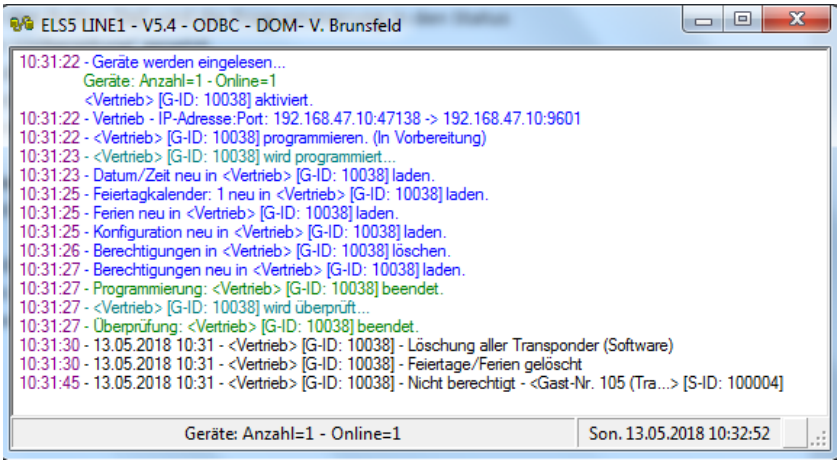
In the next window, click **[Yes]** to fully program the device after the transfer to the ELS5Line program.



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 ‘Reprogram device with all data‘ function has been selected by transferring 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 Pro (type 48) with the ELS ACM RF NetManager 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 ACM RF NetManager V7.
After the network has been configured, the DHCP function on the ELS ACM RF NetManager 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.

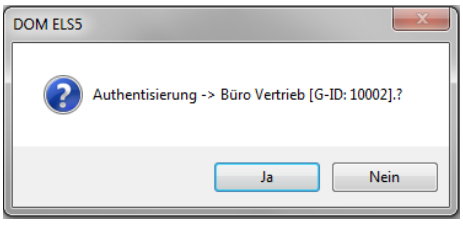
The UDPListener.log log file is created with the first alive and is located in the ELS software installation path.

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.)

Important: Do not authenticate the device! (This is carried out later.)

A notification window on whether the device should be authenticated appears.
Click **[No]** to confirm.



Now assemble the devices at their installation site.

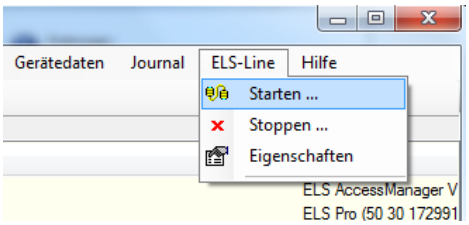
Ensure that the network connection is configured and established.

Hold the RF online card in front of the ELS ACM RF NetManager V7 and keep it in the reading field until the configuration data has been written (upon completion, the blue LED and the buzzer will be switched on briefly).

Hold the RF online card in front of the ELS Pro and keep it in the reading field until the configuration data has been written (the blue LEB flashes for the radio test).

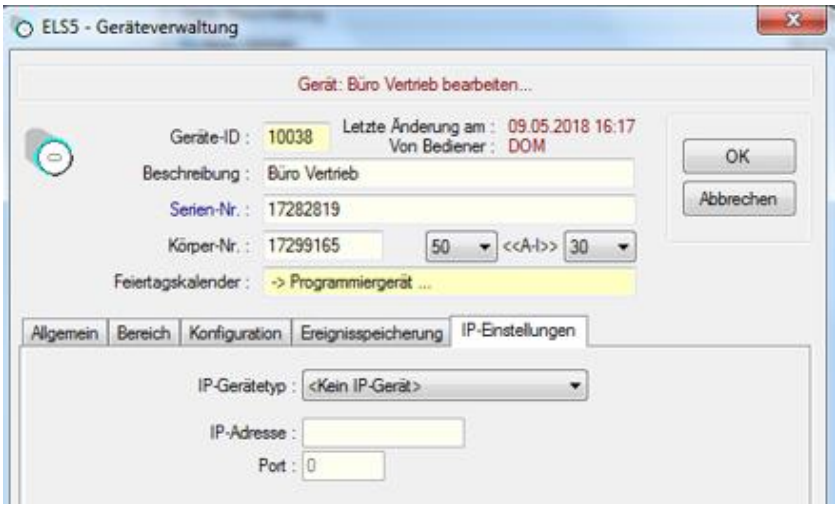
Note: Do not perform the following steps until the ELS ACM RF NetManager V7 and ELS Pro alives are available. These are performed as standard when the RF online card is held on the respective device. If required, check the entries in the 'UDPListener.log' log file.

Start the ELS Line program.

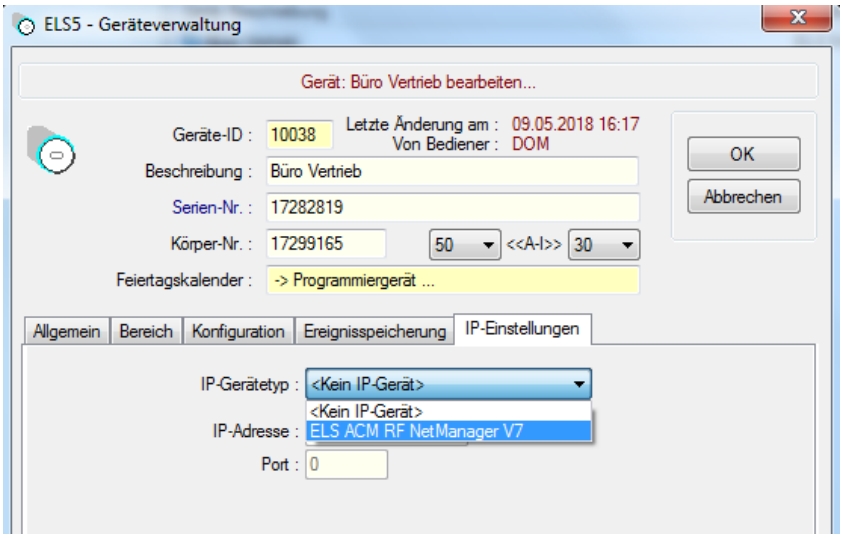


Open the >**ELS device management**< window by double clicking on the device or via the Edit menu.

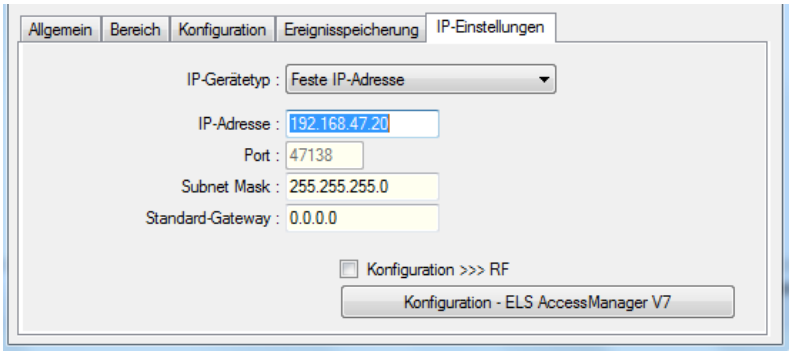
Change to the >**IP settings**< tab.



Select the setting >**ELS ACM RF NetManager V7**< in the selection field >**IP device type:**<.



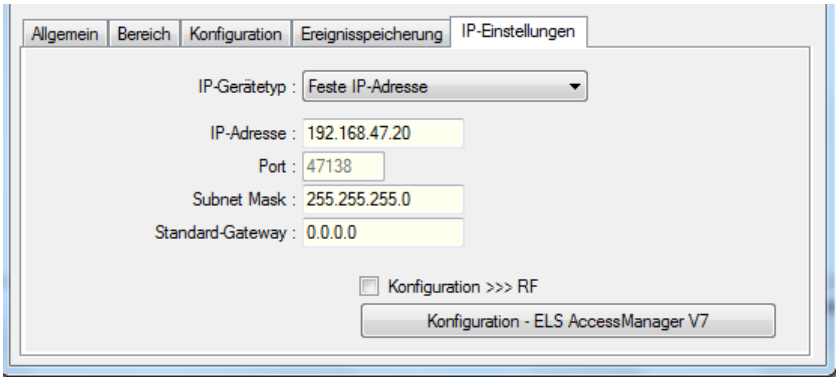
In the IP address, subnet mask and standard gateway fields, enter the data for the network configuration according to the requirements of the network administrator.



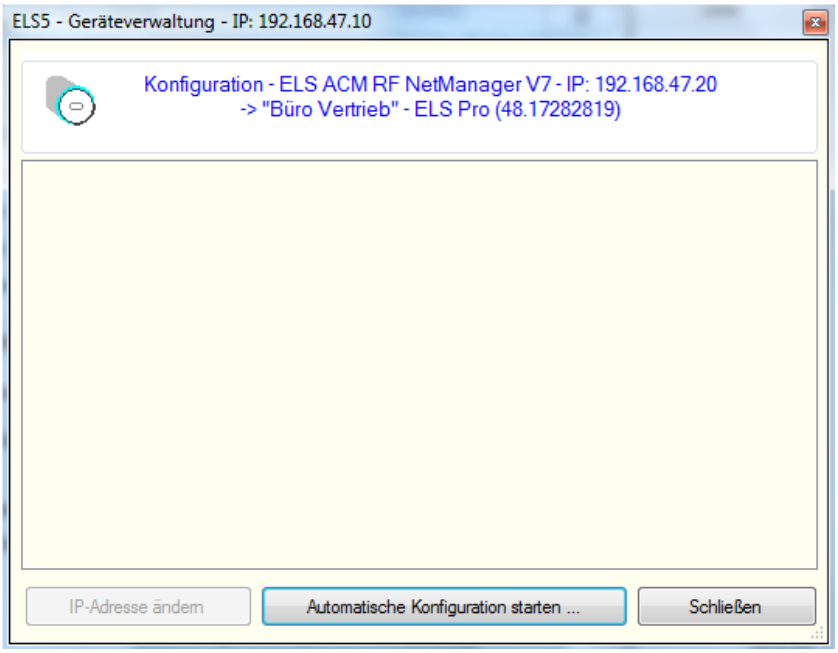
Click **[OK]** to accept the entries and open the >**ELS device management**< window again by double clicking on the device or via the Edit menu.

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

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

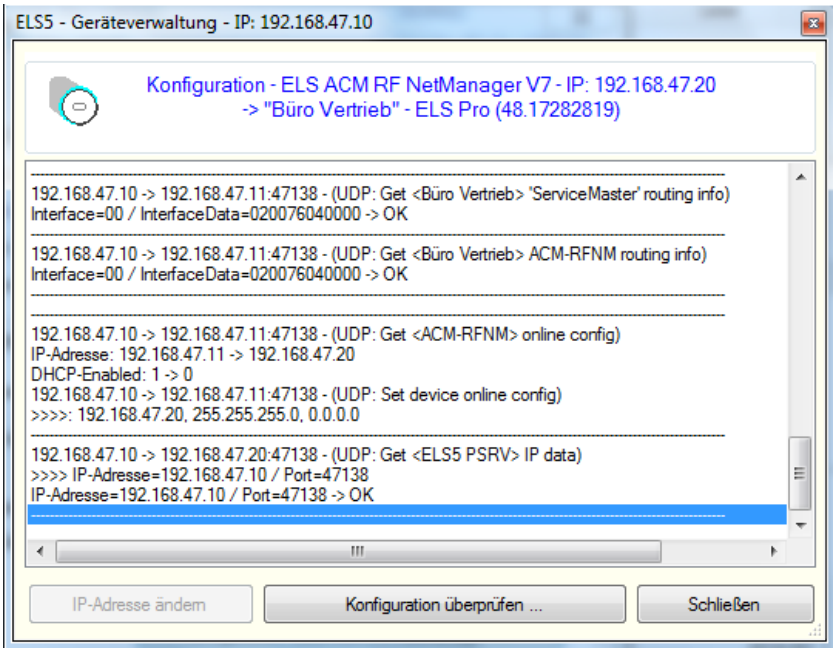


The window >**ELS – device management – IP: "PC IP address"**< opens.

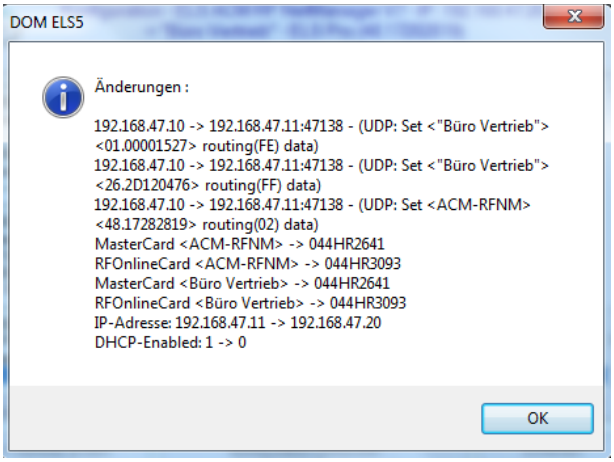


Click **[Start automatic configuration]**.

The device is configured.

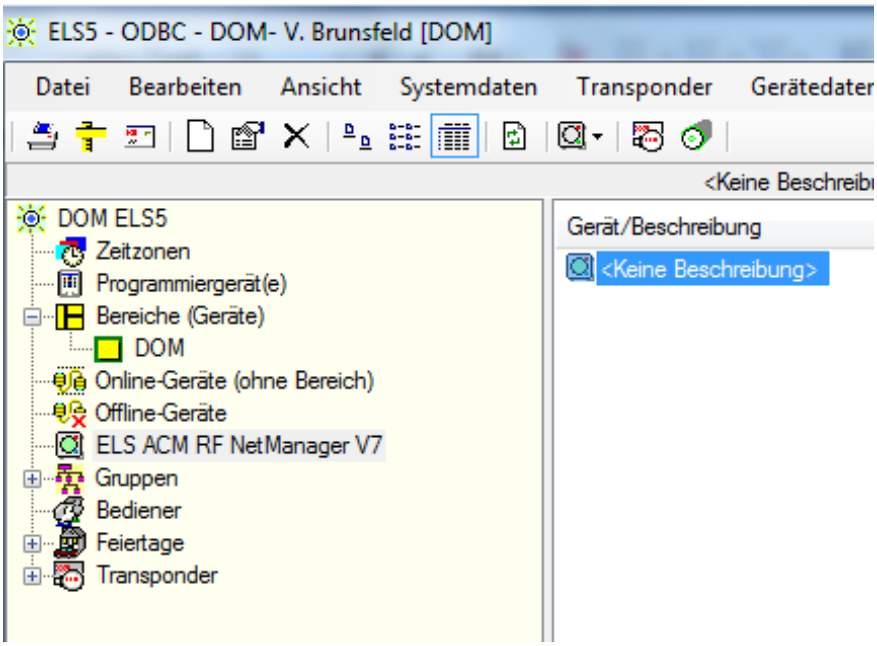


To confirm successful configuration, the configuration parameters are displayed.



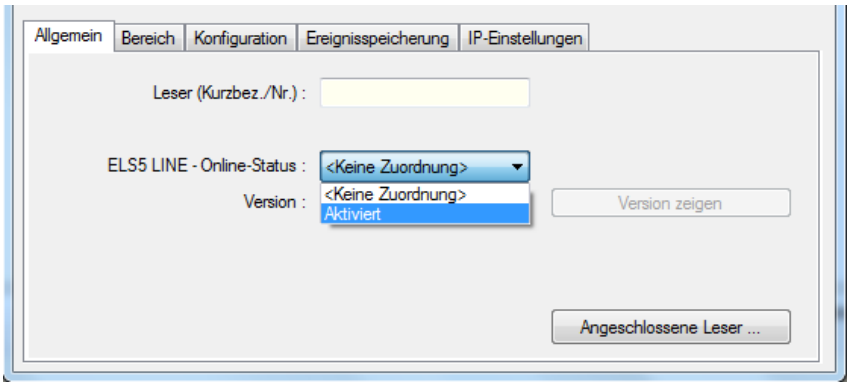
Close the window by clicking [OK] and the > **ELS – device management – IP: "PC IP address "**< window by clicking [Close].

After successful configuration, the configured ELS ACM RF NetManager V7 is created in the ELS software in the menu >ELS ACM RF NetManager<.



Then enter a description for the ELS ACM RF NetManager V7.

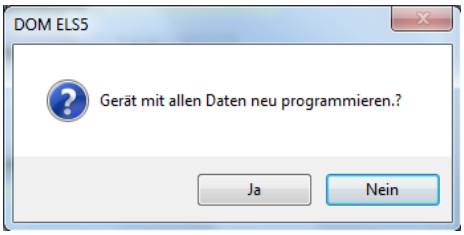
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



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.

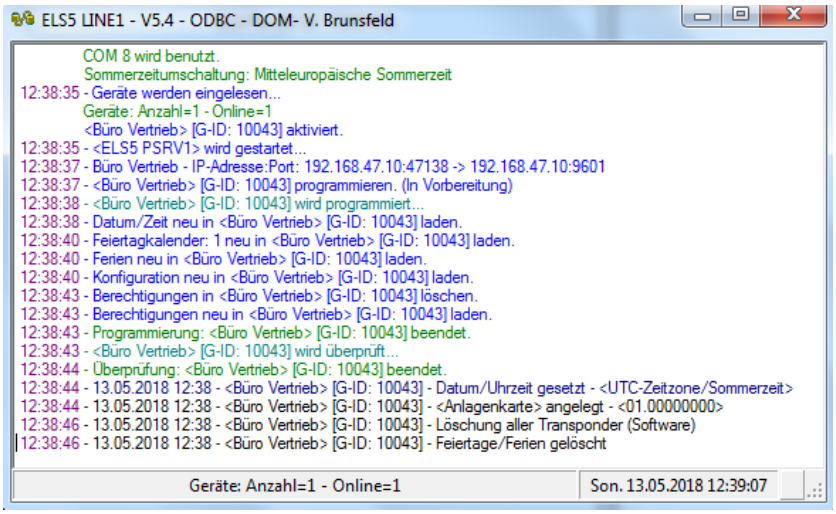


Note: Clicking **[Yes]** will switch the programming status to 'Programming in preparation'.

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

The newly assigned device is displayed in the ELS Line program.

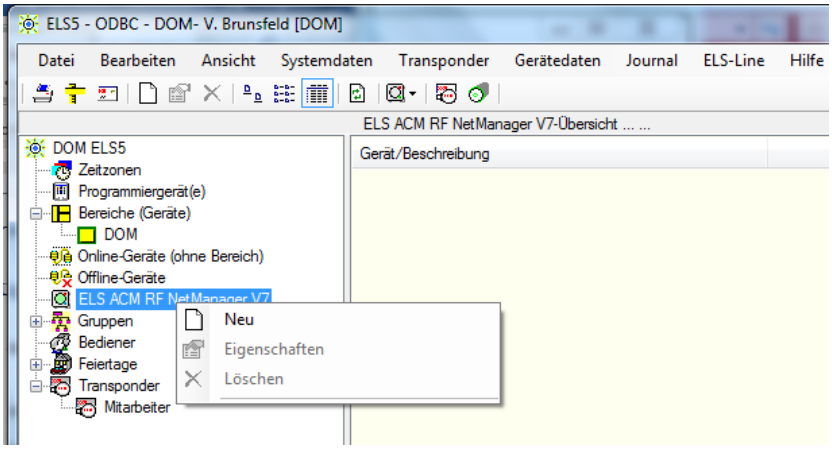
If the ‘Reprogram device with all data‘ function has been selected by transferring the device to the ELS Line program, the device is programmed once the network connection has been successfully tested.



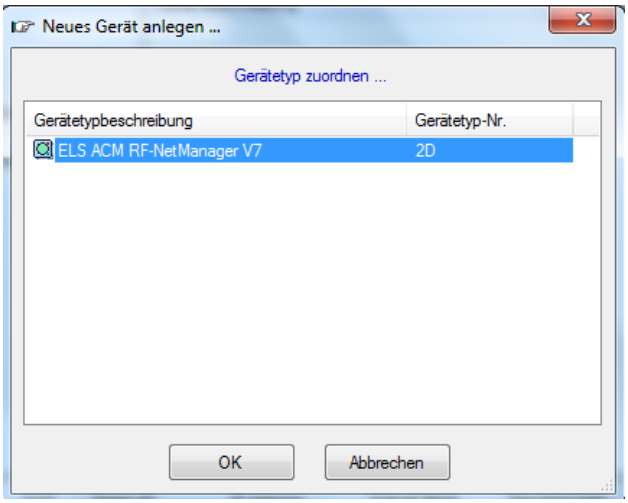
Note: For the ELS Line program to communicate (send and receive data) with the device, the system switches from the RF port 47138 to the online port 9601.

Enhancing the ELS Pro (type 48) from an offline device to an online device if no DHCP is available in the network

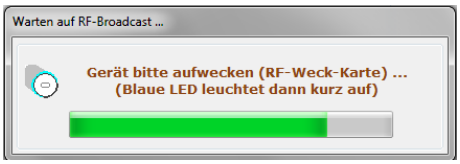
Right-click on the menu >**ELS ACM RF NetManager V7**< and select **[New]**.
Alternatively, you can start the process via the Edit / New menu or the [New] button/icon.



In the following window, the **[ELS ACM RF NetManager V7]** entry is already highlighted.
Click on **[OK]** to create a new ELS ACM RF NetManager V7.

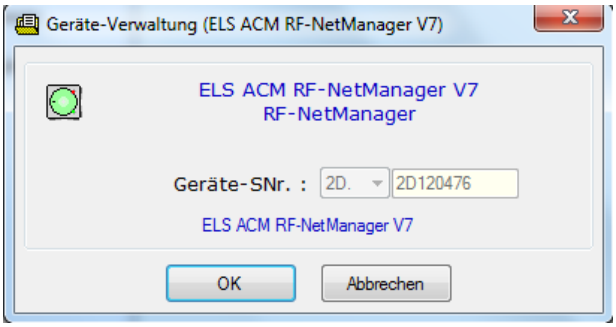


The window >**Waiting for RF broadcast …**< opens.



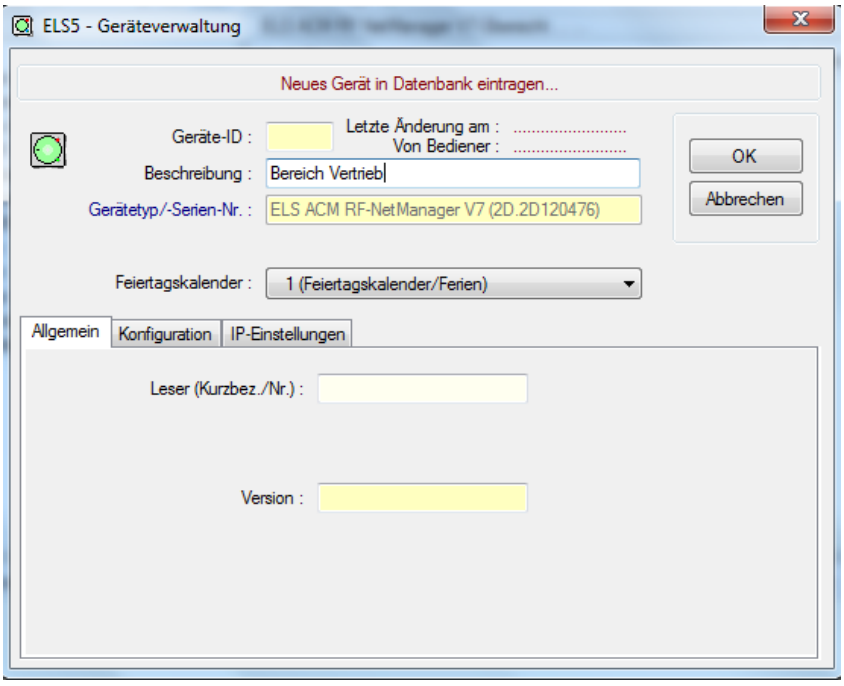
Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

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



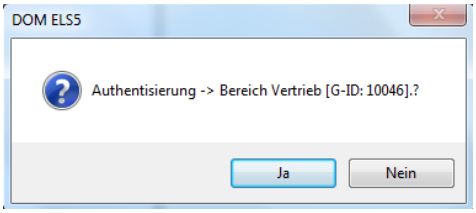
Click **[OK]** to confirm the recognised device in the ELS software.

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.

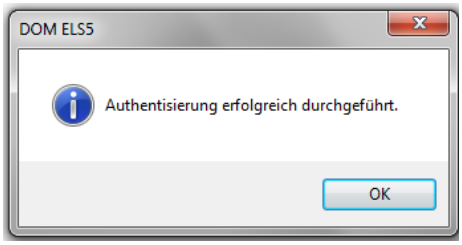


The window >**Waiting for RF broadcast …**< opens.



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.

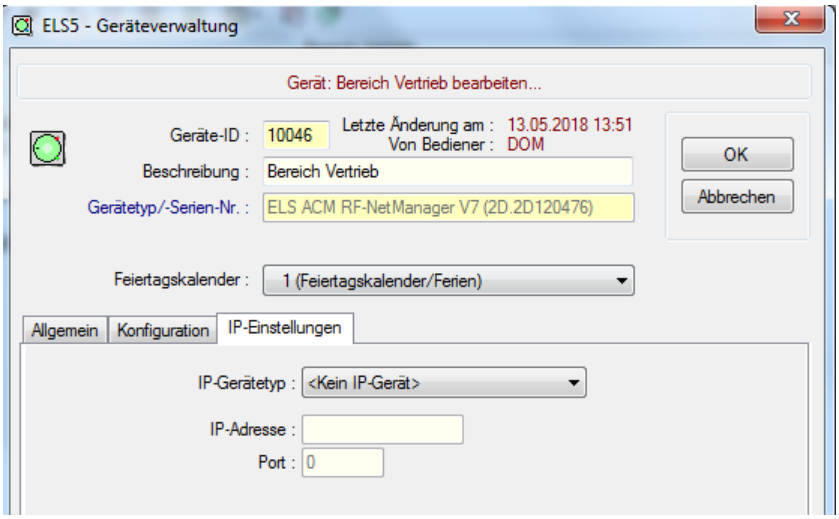


Click on **[OK]**.

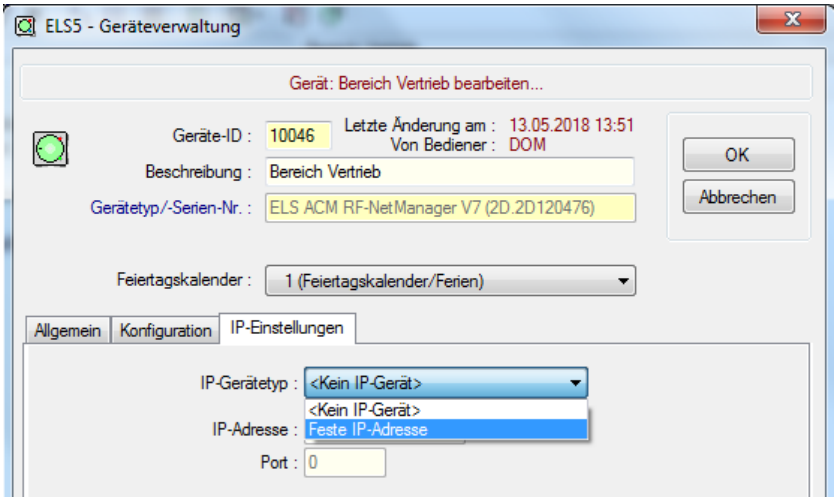
The device has been created and is authenticated with the ELS software.

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

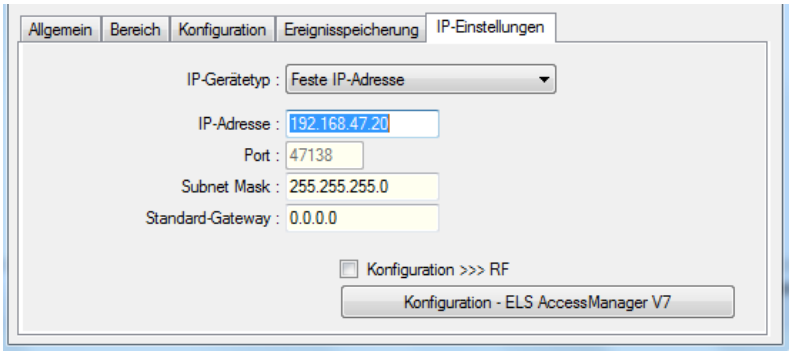
Change to the >**IP settings**< tab.



Select the setting >**ELS ACM RF NetManager V7**< 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.

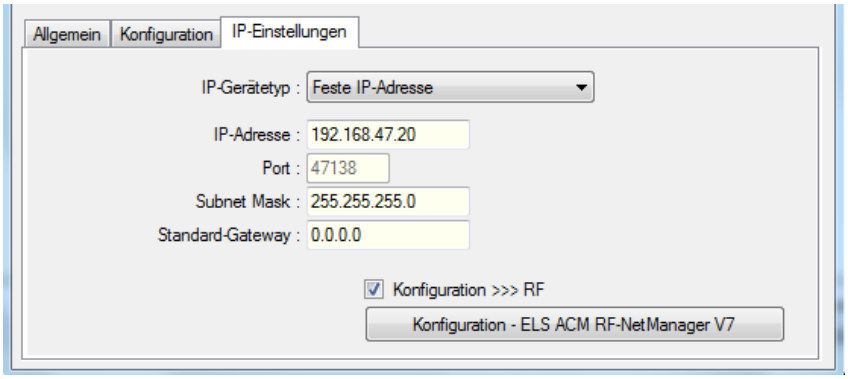


Click **[OK]** to accept the entries and open the >**ELS device management**< window again by double clicking on the device or via the Edit menu.

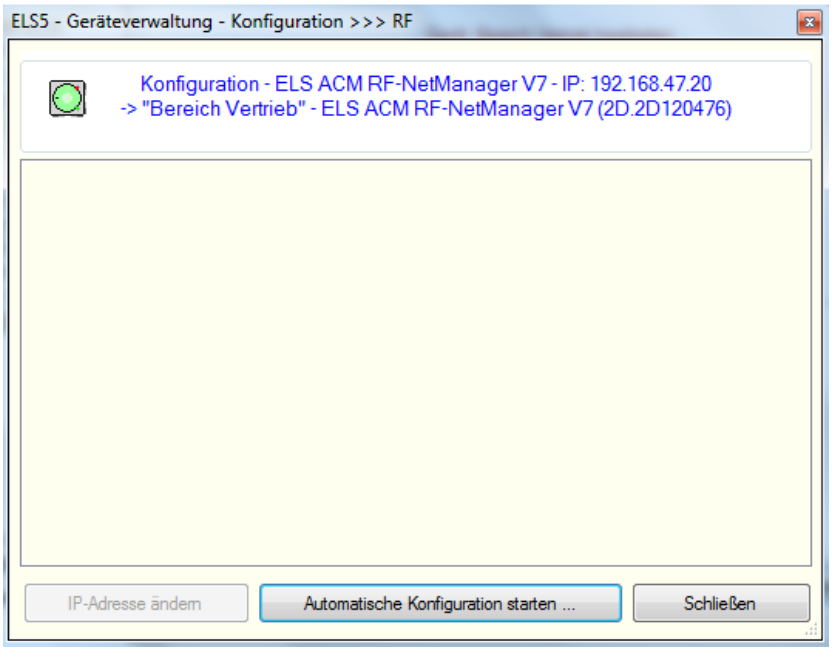
Change to the >**IP settings**< tab.

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

Then click on [**Configuration – ELS ACM RF NetManager V7**].



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



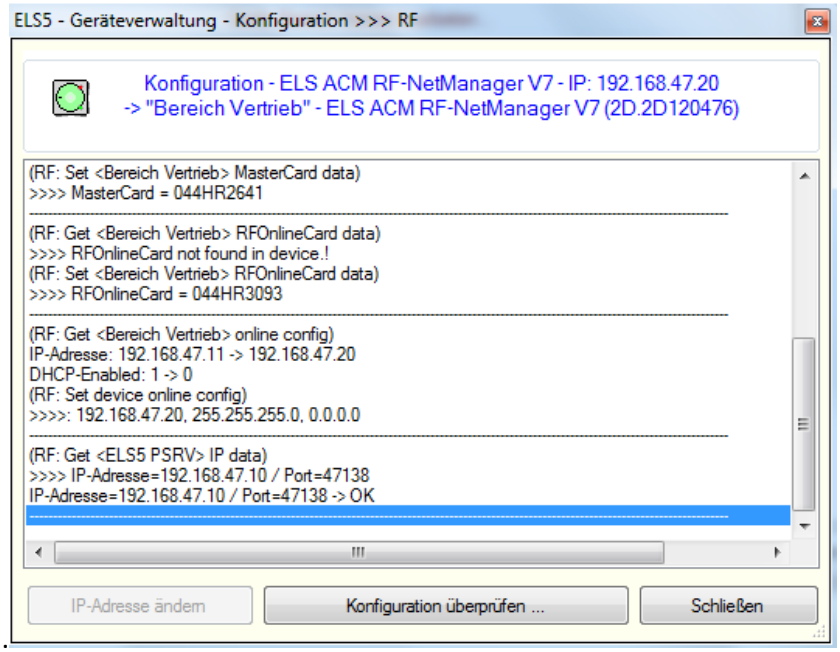
Click **[Start automatic configuration]**.

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

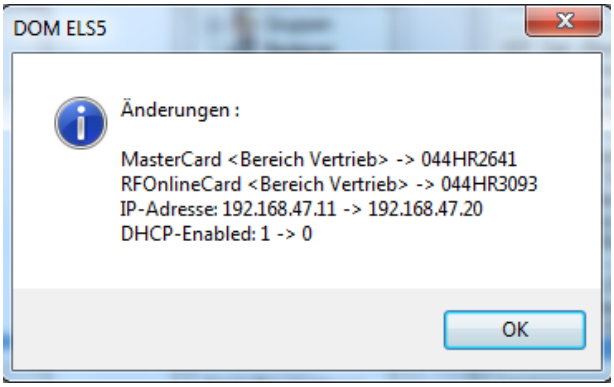


Activate the RF broadcast on the device by holding the RF activation card in front of it within the waiting time (10 seconds).

The device is configured.



To confirm successful configuration, the configuration parameters are displayed.



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

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

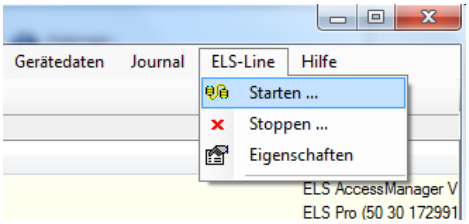
Now assemble the ELS ACM RF NetManager V7 at its installation site.

Ensure that the network connection is configured and established.

Hold the RF online card in front of the ELS ACM RF NetManager V7 and keep it in the reading field until the configuration data has been written (upon completion, the blue LED and the buzzer will be switched on briefly).

Now place the RF online card with the master card on the ELS Pro (type 48).
Hold the RF online card in front of the ELS Pro (type 48) again and keep it in the reading field until the configuration data has been written (the blue LEB flashes for the radio test).

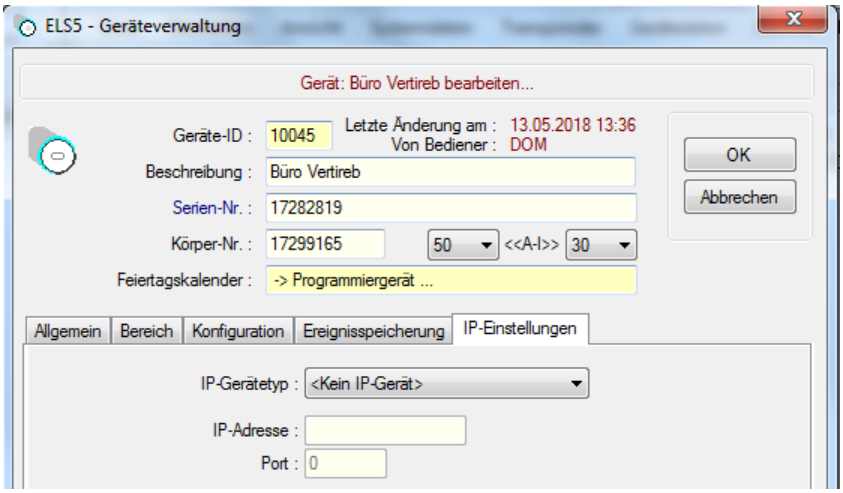
Start the ELS Line program if it not already.



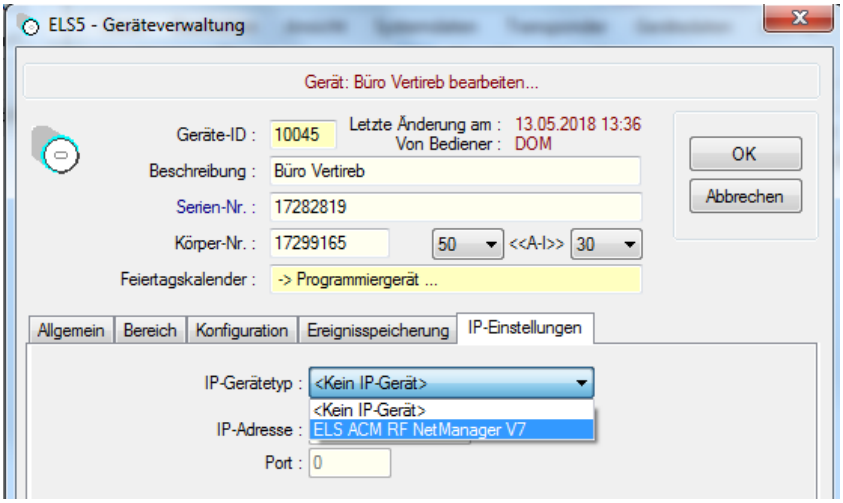
Change to device management of the ELS Pro (type 48).

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

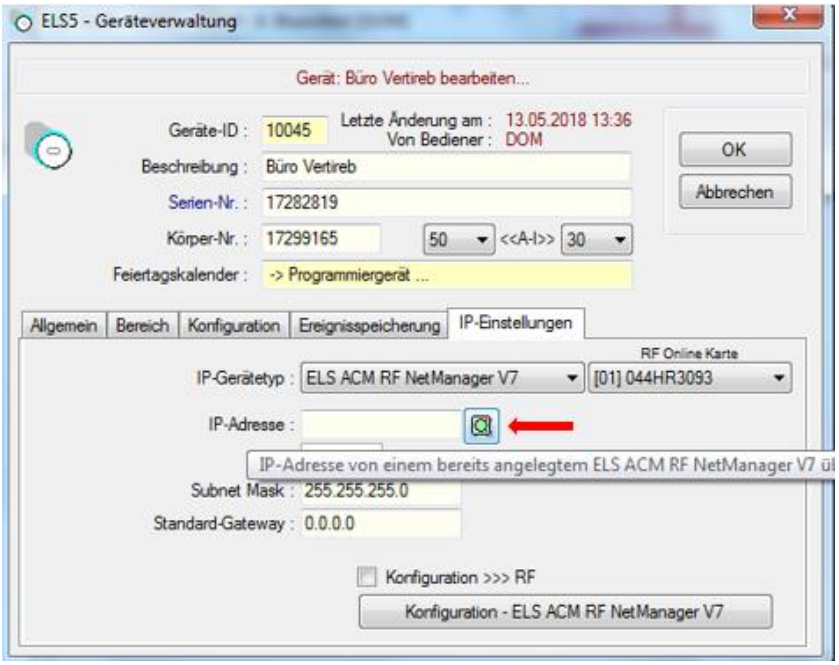
Change to the >**IP settings**< tab.



Select the setting >**ELS ACM RF NetManager V7**< in the selection field >**IP device type:**<.

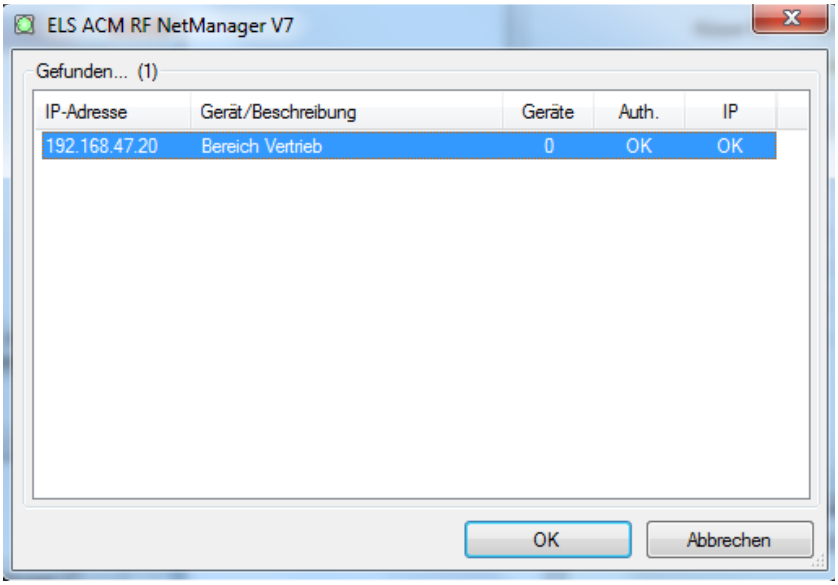


Then click on [**Apply an IP address from an existing ELS ACM RF NetManager V7**].



I

Select the ELS ACM RF NetManager V7 from the following window and click **[OK]** to confirm.



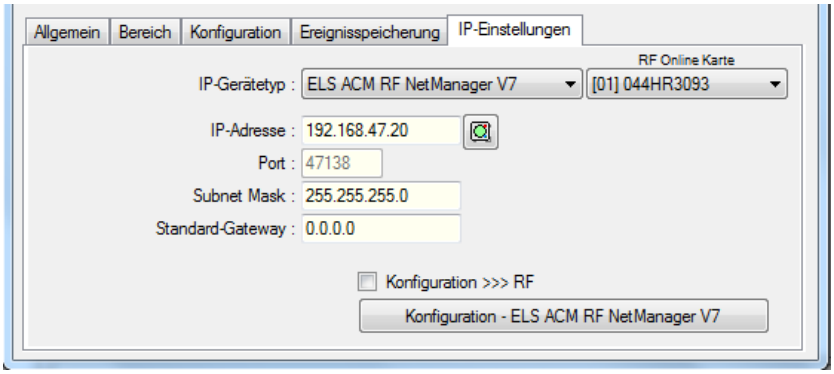
Click **[OK]** to confirm the entries.



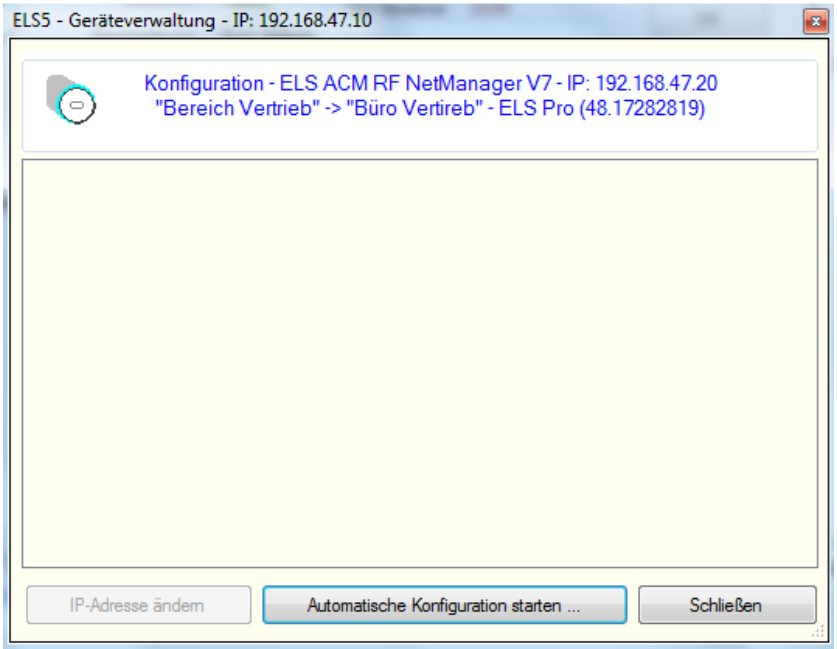
Open the >**ELS device management**< window for the ELS Pro (type 48) again by double clicking on the device or via the [Edit] menu.

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

Then click on [**Configuration – ELS ACM RF NetManager V7**].

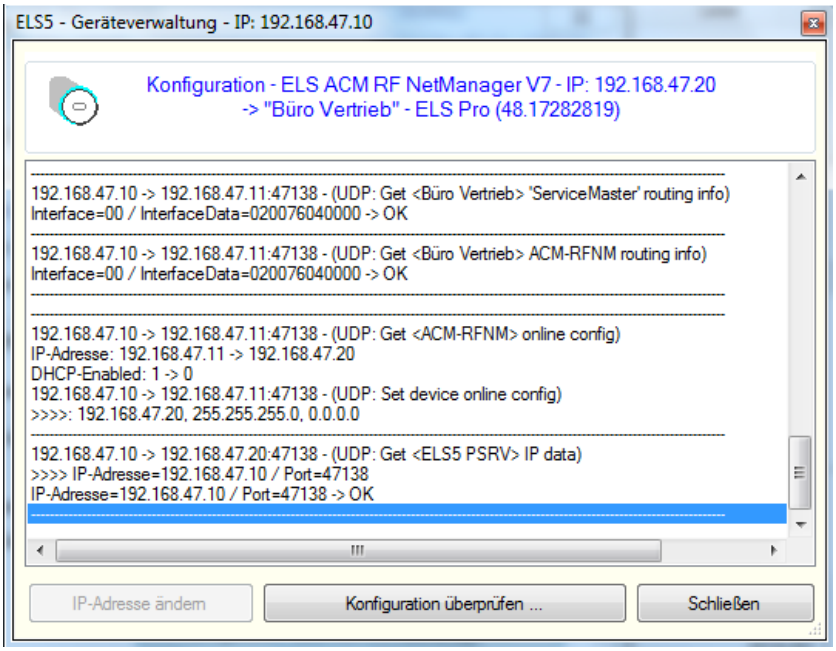


The window
>**ELS – device management – IP: "PC IP address"**< opens.



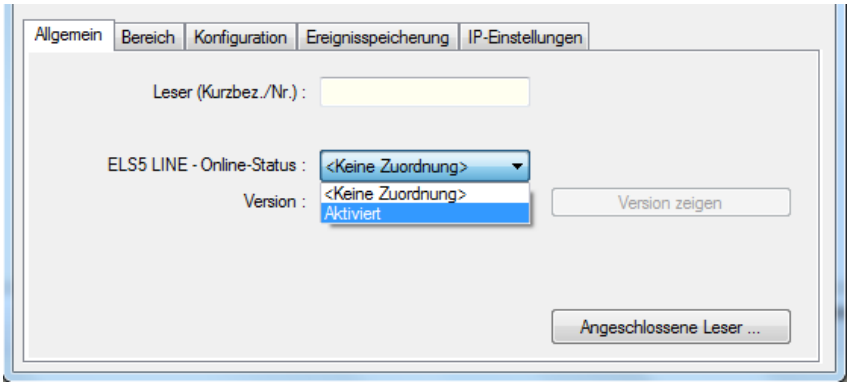
Click **[Start automatic configuration]**.

The device is configured.



Click [Close] to close the window.

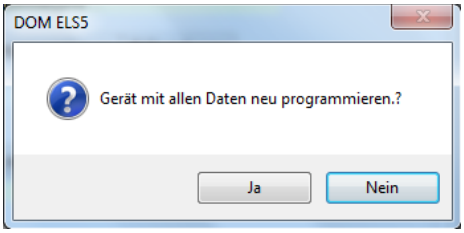
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



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.

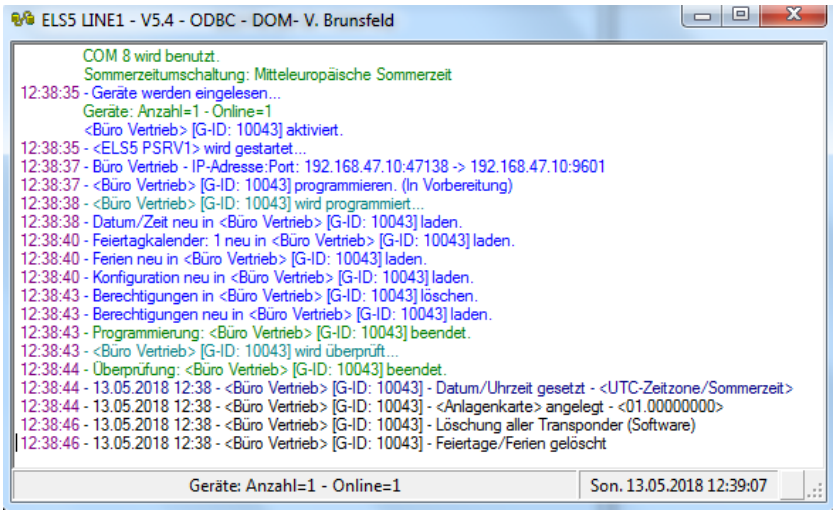


Note: Clicking on **[Yes]** will switch the programming status to 'Programming in preparation'.

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

The newly assigned device is displayed in the ELS Line program.

If the 'Reprogram device with all data' function has been selected by transferring 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.

Enhancing the ELS Pro (type 48) from an offline device to an online device if a DHCP is available in the network

Assemble the ELS ACM RF NetManager V7 at its installation site.

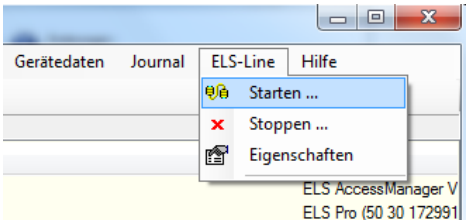
Ensure that the network connection is configured and established and the DHCP is available.

Authenticate the ELS ACM RF NetManager V7 with the system's master card.

Now place the RF online card with the master card on the ELS ACM RF NetManager V7.
Hold the RF online card in front of the RF NetManager and keep it in the reading field until the configuration data has been written (upon completion, the blue LED and the buzzer will be switched on briefly).

Now place the RF online card with the master card on the ELS Pro (type 48).
Hold the RF online card in front of the ELS Pro (type 48) again and keep it in the reading field until the configuration data has been written (the blue LEB flashes for the radio test).

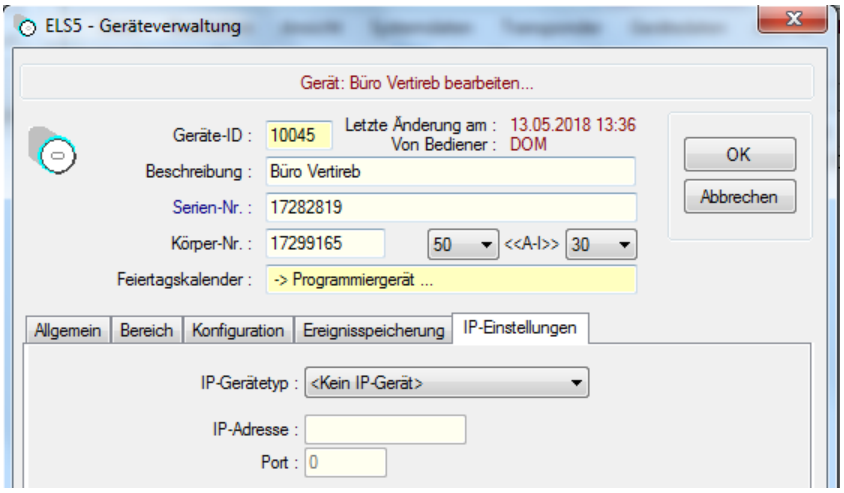
Start the ELS Line program if it not already.



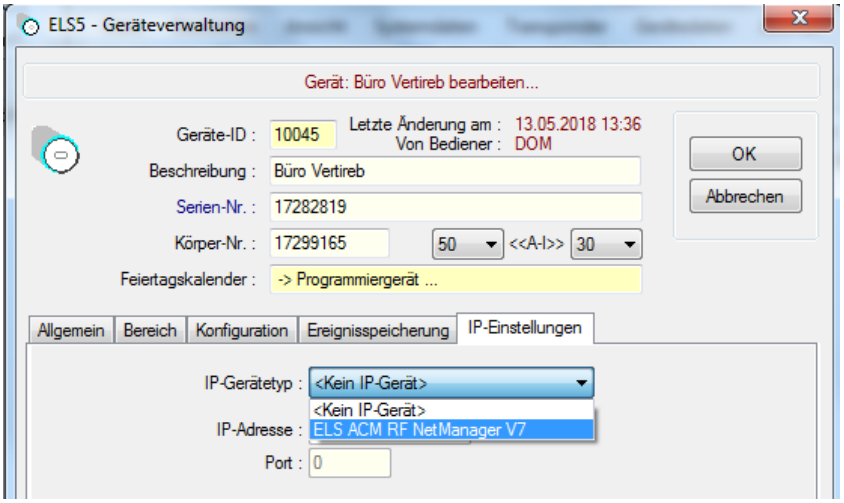
Open the ELS Pro (type 48) device maintenance window.

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

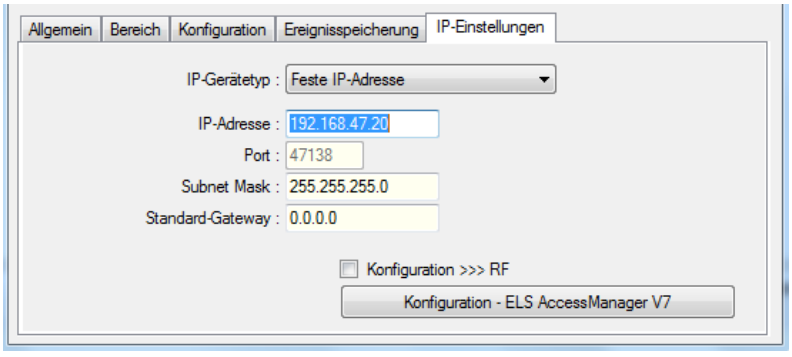
Change to the >**IP settings**< tab.



Select the setting >**ELS ACM RF NetManager V7**< 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.



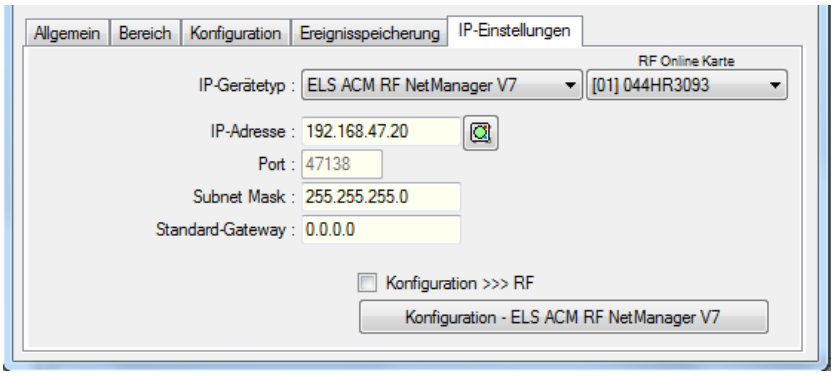
Click **[OK]** to confirm the entries.



Open the >**ELS device management**< window for the ELS Pro (type 48) again by double clicking on the device or via the [Edit] menu.

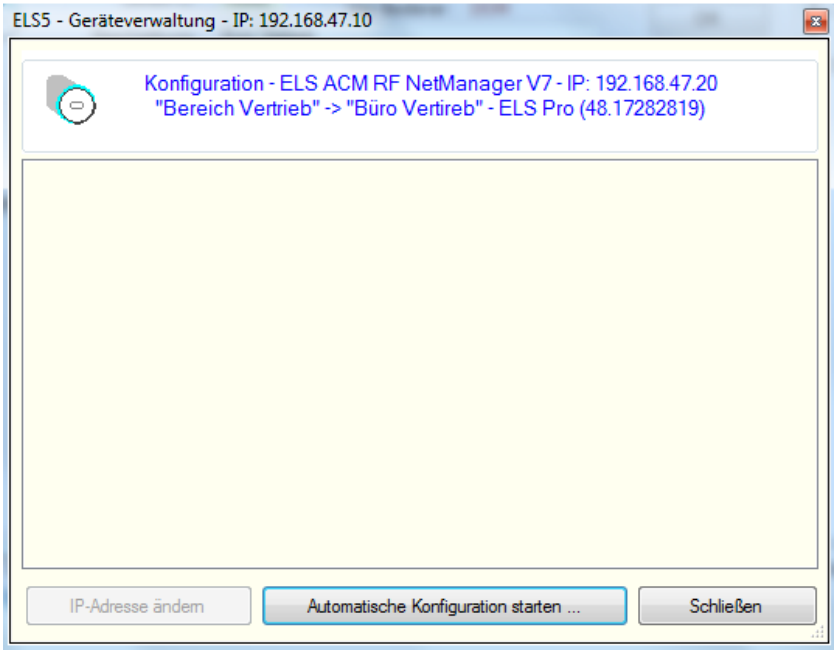
Change to the >**IP settings**< tab.

Then click on [**Configuration – ELS ACM RF NetManager V7**].



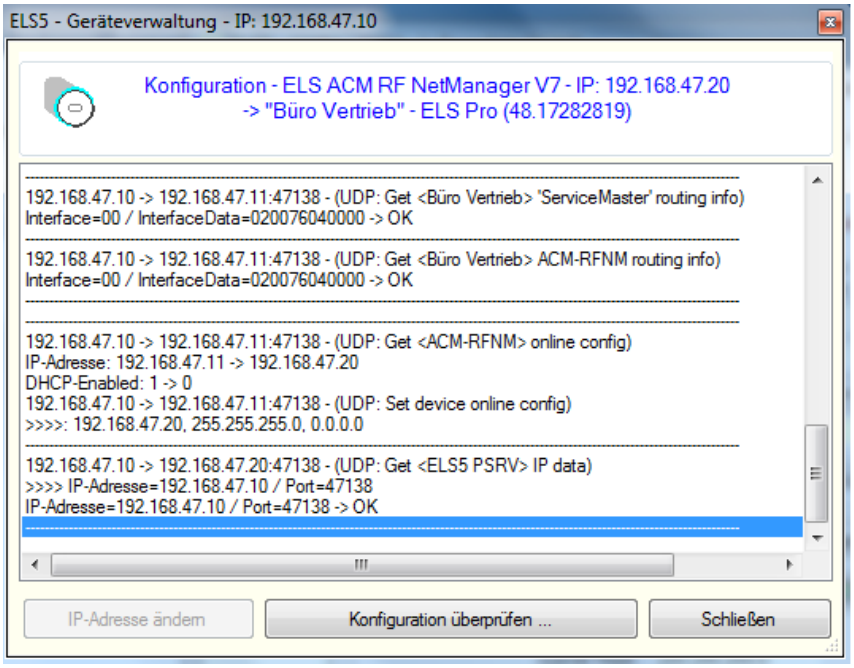
The window

>**ELS – device management – IP: “PC IP address”**< opens.

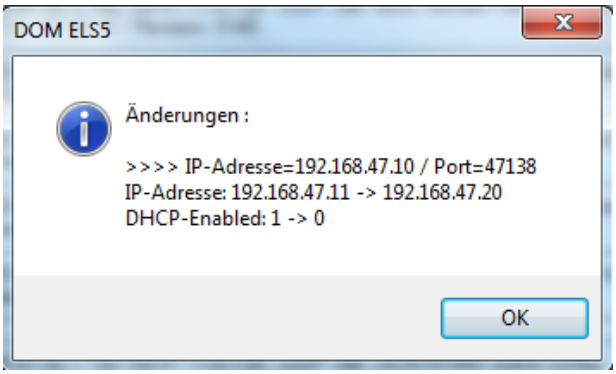


Click **[Start automatic configuration]**.

The device is configured.

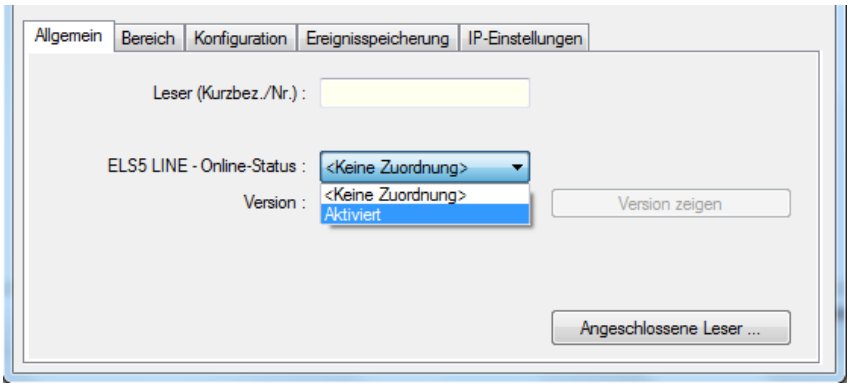


To confirm successful configuration, the configuration parameters are displayed.



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

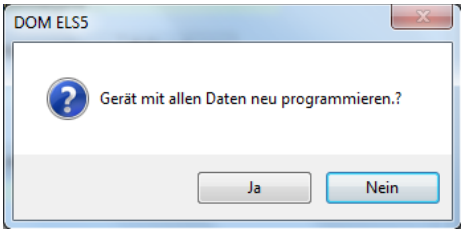
Change to the >General< tab and set the **ELS5Line – online status** to >**Activated**<.



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.

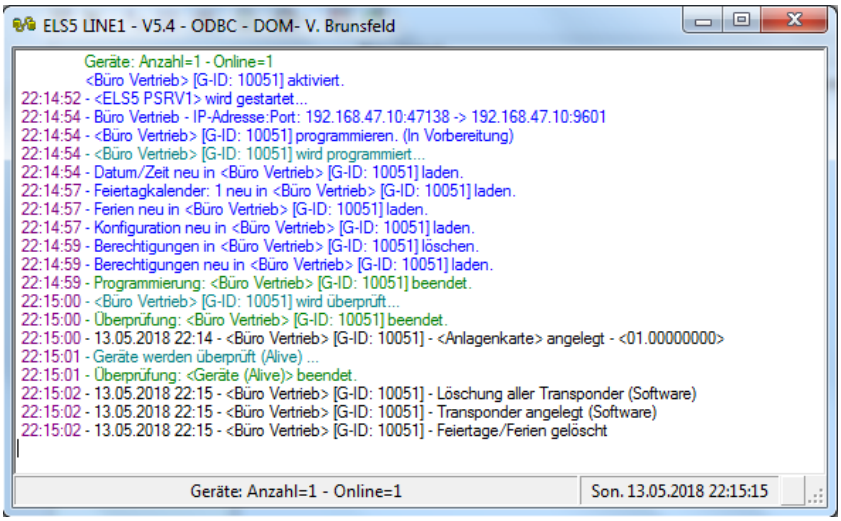


Note: Clicking **[Yes]** will switch the programming status to 'Programming in preparation'.

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

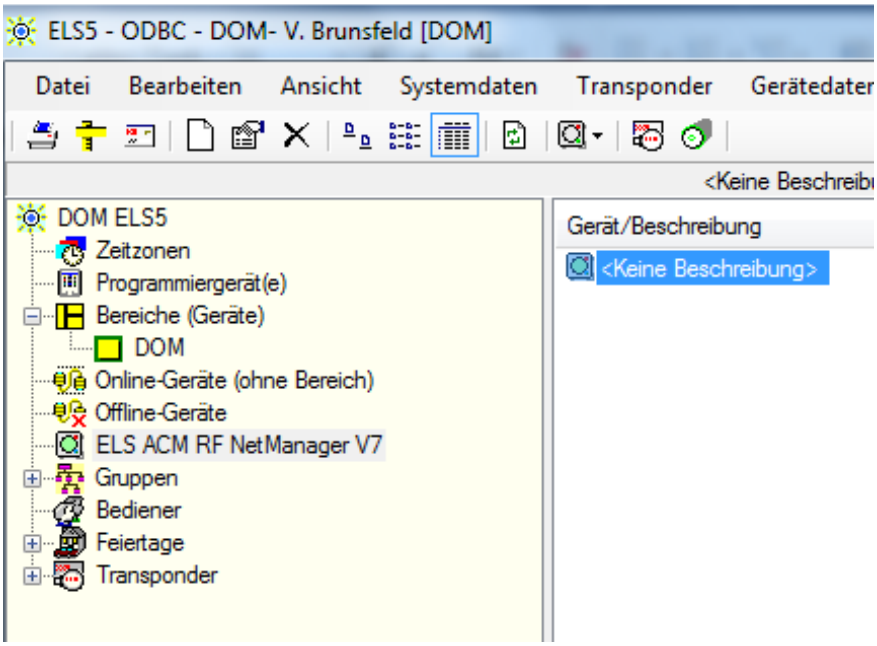
The newly assigned device is displayed in the ELS Line program.

If the 'Reprogram device with all data' function has been selected by transferring 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.

After successful configuration, the configured ELS RF NetManager V7 is created in the ELS software in the menu >ELS ACM RF NetManager V7<.



Then enter a description for the ELS ACM RF NetManager V7.