



NODER PARKING SYSTEM

Parking space occupancy detection system

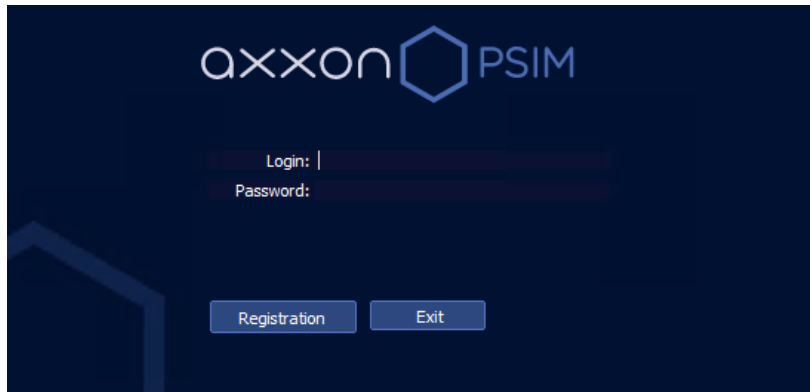
Operator's Manual


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1. Login to system

After starting client station, software starts automatically, and then a login window appears in which you must enter the operator's login and password.

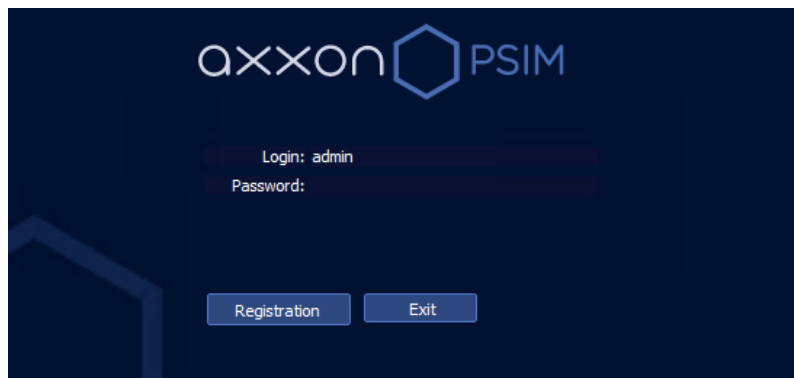


If program is not running, call it from the shortcut on desktop  **Client's workplace**. However, if it is already running, the same icon should be in system tray (next to the clock).

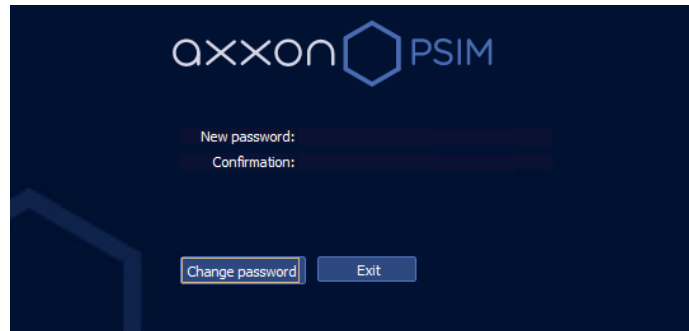
Many users can work in system, where administrator assigns the rights to perform specific tasks in system. The new operator who starts working with system should log into system using a personal login and temporary password received from the administrator. During the first login, he will be asked to change temporary password on his own.

To log into system, log out current user using **Log off** option, in the main program menu. To open main program menu, move mouse cursor to the upper right corner of the screen, and then after quick access bar appears, click left mouse  button on icon and select **Log off**.

In login window, enter the username (login) and password and click **Registration**.

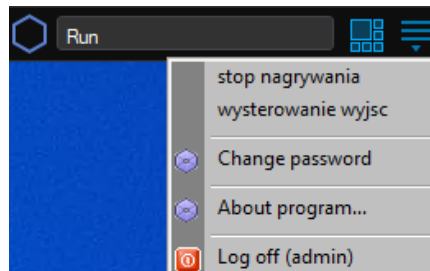


For the first login, the user will be asked to enter your own new password which must be different from the previous one. In field **Confirmation** enter new password again, and then click **Change password**.

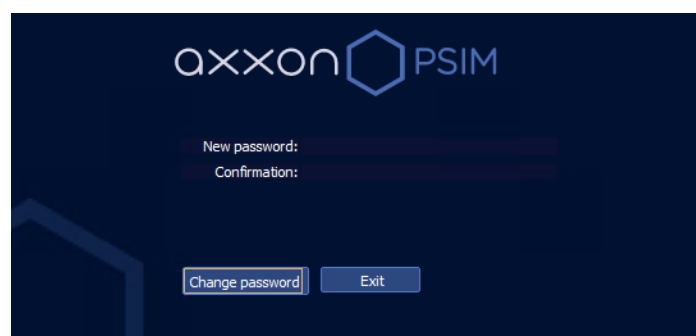


1.1 Password changing

To change password, click button and choose option Change password.




The new password must be different from the previous one. In field Confirmation enter new password again, and then click Change password. Password will be changed and user will be logged after using new password.




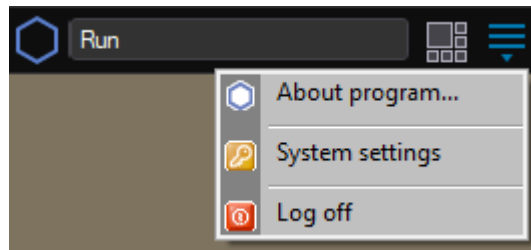
2. Working with software

After starting the computer, software program is started automatically. To start working with software, user must log in using login and password granted by the Administrator. If the default user is set, it will be logged in automatically and the interface configured as default will be displayed on the screen.

If the program is not running, call it from the shortcut on desktop  *Client's workplace*. However, if it is already running, the same icon should be in system tray (next to the clock).

2.1 Main menu

To open main program menu, move mouse cursor to the upper right corner of the screen, and then after quick access bar appears, click the left mouse button on  the icon.



1 - Quick access bar

2 - Icon opening the main program menu


3 - Informations about program

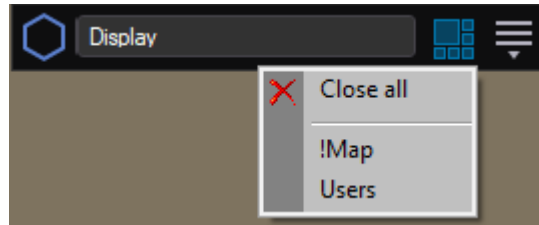
4 - System settings (available for administrator)

5 - Log out the user and close program

If macros available to the operator have been created in the system, they will be displayed above **3- Information about program**. Clicking on them will bring them up.

2.2 Choosing an interface

Interface is a graphical program window containing selected software functions depending on the purpose. To change currently displayed interface, move mouse cursor to the upper right corner of screen, and then after quick access bar appears,  select icon by clicking left mouse button. In the next step, select interface from displayed list.



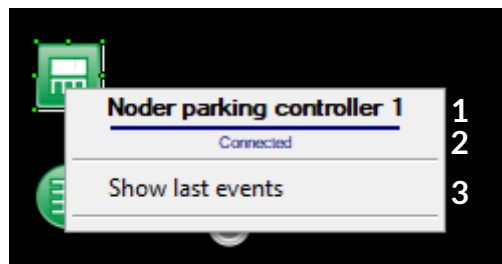
- 1 - Quick access bar
- 2 - Icon opening Interface list menu
- 3 - Close all interfaces
- 4 - Interfaces available to the operator

3. Visualisation of the NODER parking system




To launch the corresponding interface containing the visualisation of the NODER Parking System, move the mouse cursor to the top right corner of the screen and, when the quick access bar appears, select the icon that opens the menu of interfaces by clicking on it with the left mouse button. The next step is to select the required interface from the list displayed.

3.1 Operation of the concentrator

To display the context menu for a particular concentrator (parking system controller), right-click on its icon. In the next step, select the appropriate action from the displayed list.



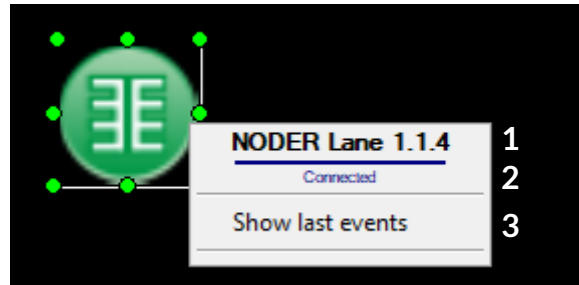
1. **Name of the concentrator** – the current name of the concentrator.
2. **Current status of the concentrator** – the current status of the concentrator:

Current status	Icon	Description
Connected		status indicating that a particular concentrator is connected to the central system and is working properly
No connection		status indicating that a particular concentrator is not connected to the central system
Connection error		status indicating a problem with the connection of the concentrator




3. **Show last events** – option to open a window in which the events most recently triggered on the concentrator (since the last login of the system operator on a given client station, but not more than 50 events) will be displayed.

3.2 Operation of the line

To show the context menu for a line, right-click on its icon. In the next step, select the appropriate action from the displayed list.



1. **Line name** – the current line name.
2. **Current line status** – the current status of the line:

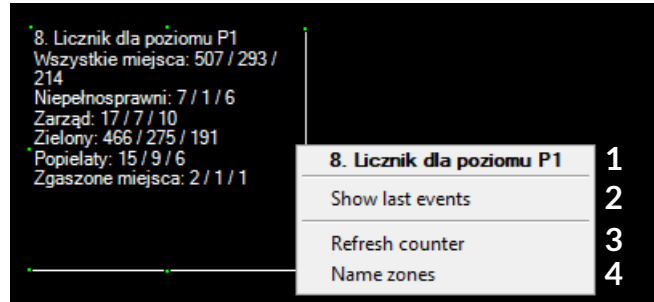
Current status	Icon	Description
Connected		status indicating that the line is connected to the central system and is working properly
No connection		status indicating that the line is not connected to the central system
Connection error		status indicating a problem with the line connection

3. **Show last events** – option to open a window in which the events most recently triggered on the line (since the last time the system operator logged on to the client station, but not more than 50 events) will be displayed.

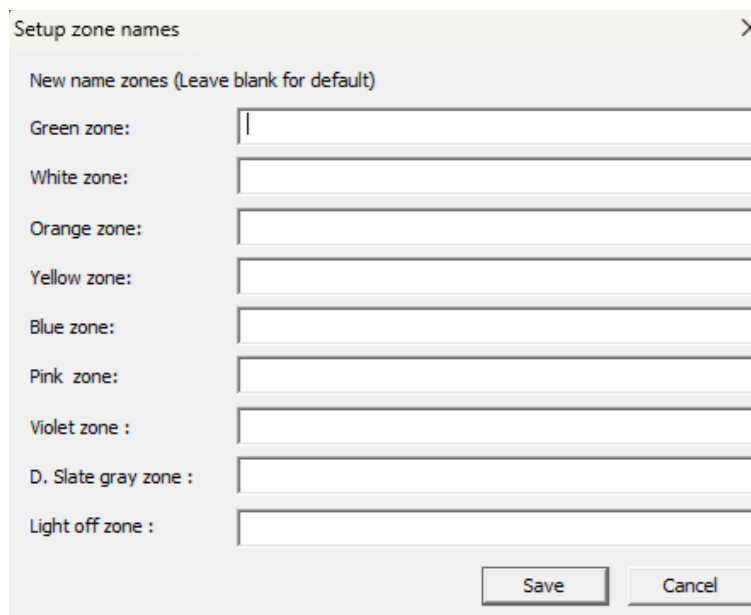
3.3 Operation of the counter

The counter displays zones based on the colours of the stored sensors.

To display the context menu for a particular counter, right-click on its icon (zone caption visible). In the next step, select the appropriate action from the displayed list.

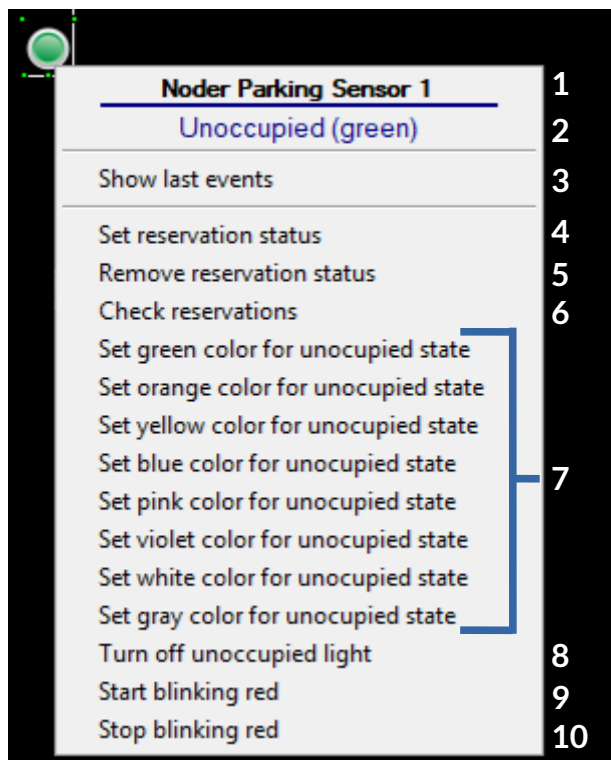


1. **Counter name** – the current counter name.
2. **Show last events** – option to open a window in which the events most recently triggered on the counter (since the last time the system operator logged on to the client station, but not more than 50 events) will be displayed.
3. **Refresh counter** – refreshes the counter on the visualisation.
4. **Name zones** – is used to change the counter settings. When the option is selected, a dialogue box is displayed with a form to be filled in. The zones have been colour-coded, which is assigned to each sensor for the **Unoccupied** state. Fields left blank transmit default values to the interface (e.g. for the green colour Zone Green). To validate the changes made, select the **Save** button. To cancel filling in the form, select the **Cancel** button.







3.4 Operation of the sensor


To display the context menu for a particular sensor, right-click on its icon. In the next step, select the appropriate action from the displayed list.



1. **Sensor name** – the current sensor name.
2. **Current sensor status** – the current status of the sensor:

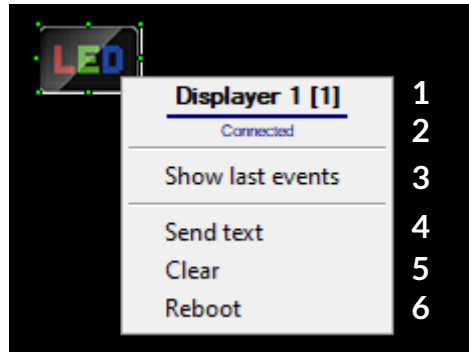
Current status	Icon	Description
Unoccupied		(colour depending on the setting) - status indicating that a particular seat is unoccupied
Occupied		(colour depending on the setting) - status indicating that a particular seat is occupied
No connection		status indicating no connection to the sensor
Fault		status indicating sensor failure

3. **Show last events** – option that allows to open a window displaying the recent events triggered by the sensor (since the last logging by the operator on the given client station, but not more than 50 events).



4. **Set reservation status**  – status for setting up a seat reservation. The colour of the sensor will change for the "Unoccupied" status to that indicated in the configuration. In addition, it forces the sensor to alternately flash for the indicated reservation status on the map.
5. **Remove reservation status** – removes the reservation status from the selected sensor. For an unoccupied state, it again lights up in the colour selected in the sensor settings and only its current state appears on the map.
6. **Check reservation** – displays a dialog box and information about the scheduled reservations on the sensor.
7. **Set (selected colour) color for unoccupied state** – sets the LED colour of the sensor to the selected colour when indicating the "Unoccupied" status. In addition, the sensor is included in the group of this colour in the Counter object.
8. **Turn off unoccupied light** – switches off the sensor LED when indicating the unoccupancy state. In addition, the sensor is included in the **Light off** group in the **Counter** object.
9. **Start blinking red** – sets the sensor to flash red. The sensor does not return the current occupancy status during activation. The icon on the map similarly to the sensor flashes red.
10. **Stop blinking red** – restores the sensor to the state before activation of the **Start blinking red** option.

3.5 Operation of the displayer

To display the context menu for a particular LED board, right-click on its icon. In the next step, select the appropriate action from the displayed list.

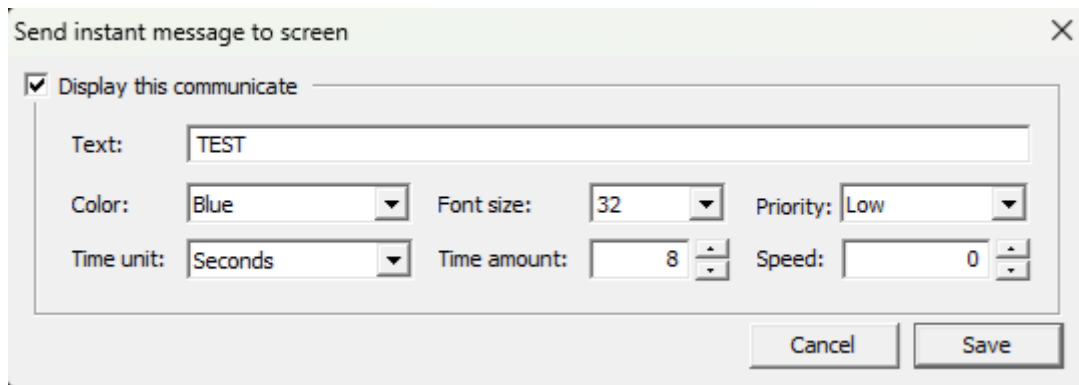


1. **Displayer name** – the current name of the displayer.
2. **Current displayer status** – the current status of the displayer:

Current status	Icon	Description
Connected		show the text on the displayer (connected state)
Connection lost		status indicates no connection to the displayer

3. **Show last events** – option to open a window showing the events recently triggered on the displayer (since the last time the system operator logged on to the client station, but not more than 50 events).

4. **Send instant message to screen** – allows a message to be periodically shown on the displayer. If the option is checked it is known to show this message on the displayer. To edit the fields, select the **Display this communicate** checkbox. After filling in the fields, click **Save** to send the message or **Cancel** to cancel the action. You can also prepare the message and uncheck the **Display this communicate** box again to save the form. Enter the content of the message in the **Text** field. Select a font colour from the **Colour** field from the drop-down list and a font size from the **Font size** field. The **Time unit** field specifies the unit of time that will be taken into account along with the **Time amount** of time value to determine how long the message will remain displayed on the screen. For longer messages, the text is scrolled from right to left.



5. **Clear** – option resets the displayer.
6. **Reboot** – option restarts the display system.

4. Legend of markings

Controller



Connected



No connection



Connection error

Line



Connected



No connection



Connection error

Displayer



Connected



No connection

Sensor



Unoccupied



Occupied



Fault



No connection



Reservation