

Sensors & Controls

sceneCOM evo

Manual for first time set up instructions



TRIDONIC

Legal information

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1 How to use these instructions

We are pleased that you have chosen this *Tridonic GmbH & Co KG* product. So that you can get the most from these instructions, this section provides the following information:

- Signs and icons in these instructions
- Further information
- Target audience of these instructions
- Software version

Signs and icons in these instructions

The following signs and icons are used in these instructions:


Sign/icon	Explanation
1.	Individual steps in the instructions are numbered.
▷	Single-step instructions are indicated by the ▷ icon at the beginning of the line.
↻	After a step has been described, a description of the expected results will follow. These results are indicated by the ↻ icon at the beginning of the line.
—	Requirements which need to be checked before carrying out a step are indicated by —.
i	Notes can be recognised by the i icon. In addition, notes are identified by the word Note .
[Bold text]	Bold text indicates words that are shown on a device display or software user interface.
	<p>Danger and safety instructions are indicated by this icon. Safety and warning information is labelled and classified using the following words:</p> <p>DANGER indicates an immediate danger. This could lead to death or severe injury if not avoided.</p> <p>WARNING indicates a potentially dangerous situation. This could lead to death or severe injury if not avoided.</p> <p>CAUTION indicates a potentially dangerous situation. This could lead to minor injury or damage to property if not avoided.</p> <p>Attention indicates a situation involving potential damage. If it is not avoided, the product or something in the vicinity may be damaged.</p>

Table 1: Signs and icons in these instructions

i **Note**

This manual contains path information which can be used to access the configuration options. The path always starts from the app overview.

Example: “Path: app overview > **Basic settings** > **Date and time**” means that you should go to the app overview, tap on **Basic settings** and then tap the **Date and time** button.

1 How to use these instructions

Further information

More information on the setup and function of your *sceneCOM* system can be found in our product and system documentation.

If you should have any further questions, please contact your sales partner.

General information on our products can be found on our website:

www.tridonic.com

Target audience of these instructions

These instructions are intended for electricians without any special product training who would like to commission a *sceneCOM evo* controller.

Software version

These instructions are based on software version *sceneCOM 3.9.0*.

2 Other available documents

All *sceneCOM* manuals can be downloaded from the website:

<https://www.tridonic.com>

Manual	Description
Commissioning and maintenance	This manual is aimed at electricians without any special product training and describes how the basic functions can be commissioned. It also describes general maintenance functions.
Shows	This manual is aimed at electricians without any special product training and describes how shows can be commissioned and configured.
Special luminaires	This manual is aimed at electricians without any special product training and describes how special luminaires (e.g. RGB luminaires, TW luminaires) can be commissioned and configured.
Daylight linking	This manual is aimed at electricians without any special product training and describes how daylight linking with light sensor can be commissioned and configured.
Self-contained emergency luminaires	This manual is aimed at electricians without specific product training and describes how emergency lighting functions for self-contained emergency luminaires can be commissioned, configured and monitored in a <i>sceneCOM</i> system that itself has already been commissioned.
BACnet	This manual is aimed at electricians and system integrators without any special product training and describes how BACnet can be commissioned and configured.
REST API & MQTT	This manual is aimed at system integrators without any special <i>Tridonic</i> product training and describes how REST API and MQTT can be commissioned and configured.

Table 2: Other available documents – *sceneCOM*

3 Safety instructions



Attention

- The *sceneCOM* system may only be used for the application area specified.
- Relevant health and safety regulations must be observed.
- Assembly, installation and commissioning may only be carried out by qualified personnel.
- The *sceneCOM* system and connected devices must only be operated when in complete working order.
- The manufacturer does not accept liability nor provide any guarantee for consequential damage that may occur if these instructions are not followed.

4 Your sceneCOM evo

The *sceneCOM evo* controller can be configured in three selectable modes:

- *sceneCOM evo* Base
- *sceneCOM evo* EM
- *sceneCOM evo* Pro

The licence for *sceneCOM evo* Base and *sceneCOM evo* EM are included in delivery as standard. *sceneCOM evo* Pro mode requires an additional licence, which can be purchased in the sceneCOM Store. Extra functions for *sceneCOM evo* Base can also be purchased and activated there.

sceneCOM evo is preconfigured with a 30-day (720 h) demo licence which can be used to install and test *sceneCOM evo* Pro before purchasing a licence. All functions for the selected mode are available. To reactivate the controller after the trial period, a suitable licence must be purchased.

The mode cannot be changed after it is initially selected. The controller must be reset to factory settings in order to change the mode.

The following functions are available in the different modes:

sceneCOM evo Base	sceneCOM evo EM	sceneCOM evo Pro
<ul style="list-style-type: none"> • Basic licence for 250 actuators • Conditional Scene Recall • Presence Linking • Addressing Wizard 	<ul style="list-style-type: none"> • Emergency licence for 250 actuators 	<ul style="list-style-type: none"> • Basic licence for 250 actuators • Emergency licence for 100 actuators • Daylight linking for 250 actuators • Conditional Scene Recall • Presence Linking • Addressing Wizard

Table 3: Overview of available functions for the different modes

Application area

The *sceneCOM evo* controller is designed to control up to a maximum of 250 luminaires.

System limits – hardware

- Maximum 250 luminaires per *sceneCOM evo* controller
- Maximum 64 DALI addresses and 64 DALI-2 addresses and maximum 64 eD addresses per DALI-compliant output
- Guaranteed supply current per DALI-compliant output: 200 mA for max. 100 DALI loads
- Max. supply current per DALI-compliant output: 250 mA

Line length: DALI control line

i	<p>Note</p> <p>If the maximum line length is exceeded, the set switching modes may no longer function or it may no longer be possible to operate the system. However, the emergency lighting function is still guaranteed.</p>
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Conductor cross-section	Maximum DALI line length
2 × 0.75 mm ²	150 m
2 × 1.50 mm ²	300 m

Table 4: Maximum DALI line length

5 Commissioning

Commissioning the *sceneCOM evo* entails the following steps:

- Establishing a connection
- Selecting the language
- Accepting the terms and conditions
- Creating a password
- Selecting the mode
- Activating the licence
- Choosing the settings

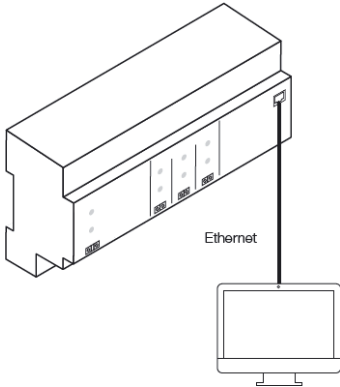
Once commissioning is complete, the system can be used as described in further *sceneCOM* documentation.

5 Commissioning

5.1 Requirements

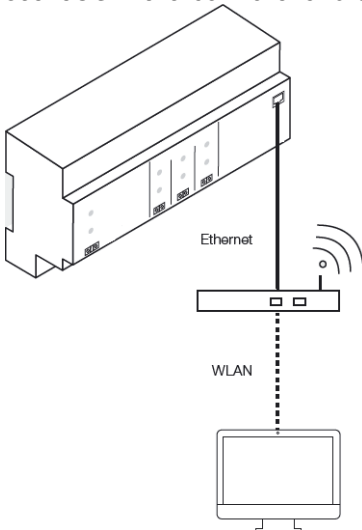
Before starting the commissioning and configuration process for your *sceneCOM* system, ensure that the following requirements have been met.

- *sceneCOM evo* controller and display device (computer) are connected via an Ethernet cable.



– or –

- *sceneCOM evo* controller and display device (computer) are connected via a wireless access point.



- The following settings are stored for the display device and wireless access point:
 - o IP address 10.10.40.2 – 10.10.40.253
 - o Subnet mask 255.255.0.0
- The *sceneCOM evo* control device must have hardware batch B4 as a minimum.

i	Note The hardware batch can be found in the second part of the batch label on the <i>sceneCOM evo</i> , e.g. V2.00 B4A M17.
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5 Commissioning

5.2 Login and configuration

1. Open a browser.
2. In the browser, navigate to the following default IP address of the *sceneCOM evo*:
<https://10.10.40.254>



Note

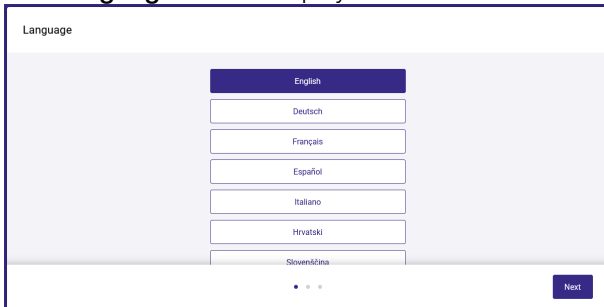
The *sceneCOM evo* controller uses a self-signed SSL/TLS certificate by default. This certificate is not issued by an official certification authority and may therefore be classified as insecure by the browser.

If you see a corresponding security warning, proceed as follows:

1. Depending on the browser, click the **Advanced** or **More information** button.
2. Select the option **Proceed anyway** or **Add exception**.

If the problem persists, the settings of your network must be adjusted to allow the connection.

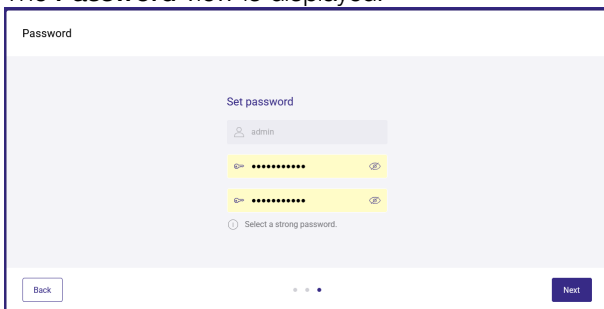
➡ The **Language** view is displayed.



3. Select the desired language by tapping it.
 4. Tap the **Next** button.
- ➡ The **Terms and conditions** view is displayed.

5. Read the terms and conditions.
6. Tap the **Accept and proceed** button.

➡ The **Password** view is displayed.



Note

The “admin” user is automatically entered and cannot be changed.

5 Commissioning

7. Enter a new password.



Note

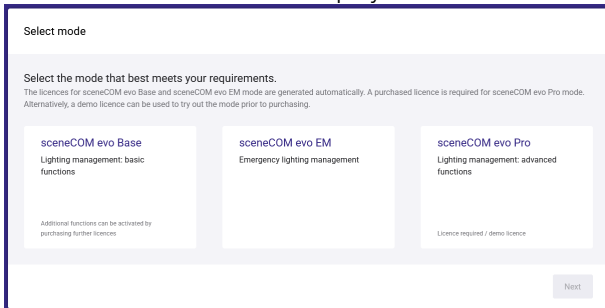
The password must meet the following requirements:

- The password has at least 8 characters.
- The password contains characters from at least 3 of the following categories:
 - Uppercase letters: A–Z; Latin alphabet
 - Lowercase letters: a–z; Latin alphabet
 - Numbers: 0–9

8. Enter the password a second time to confirm.

9. Tap the **Next** button.

➡ The **Select mode** view is displayed.



10. Select the mode by tapping it.



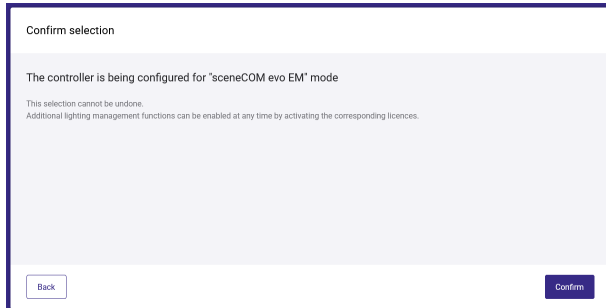
Note

- More information on the different modes can be found in Section [Your sceneCOM evo](#) ⁷.
- Note that the mode selected can only be upgraded. The software must be reset to factory settings in order to downgrade to a mode with less functionality. Gateway mode can be upgraded to Emergency and *sceneCOM* mode. Emergency mode can only be upgraded to *sceneCOM* mode.

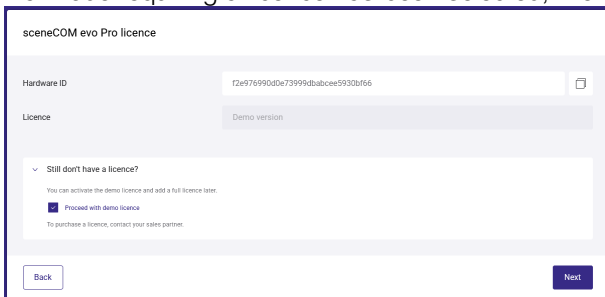
5 Commissioning

11. Tap the **Next** button.

- If the *sceneCOM evo* Base or *sceneCOM evo* EM mode is selected, no license needs to be activated.
 - A message appears indicating that the mode selection cannot be undone.



- Tap the **Confirm** button to confirm the mode selection.
- If a mode requiring a licence has been selected, the **sceneCOM evo Pro licence** view is displayed.



12. Enter the licence number.



Note

If you do not have a licence yet, tap the words **Still don't have a licence?** to activate the demo licence by enabling the tick mark.

The demo licence provides access to all functions for 720 hours.

13. Tap the **Next** button.

- The **Configuration** view is displayed.

14. Select the settings for the controller.

You have 3 options:

- Select settings: Manually enter the name, network settings, date and time, and geographical coordinates.
- Apply current settings: Applies the last settings that were configured for the controller.
- Restore backup: Loads the settings from a backup file.

14. Check the settings and tap the **Finish** button.

- The system is initialised and then ready for use.

5 Commissioning

5.3 Demo licence

sceneCOM evo is preconfigured with a 30-day (720 h) demo licence which can be used to install and test sceneCOM evo Pro before purchasing a licence. If the controller is switched off, the time remaining countdown pauses. All associated functions for the selected mode will be available.

The time remaining for the trial period can be seen in the web application at the top right. Tapping the field shows further information about the demo licence and provides the option of activating the licence. The demo license is automatically deactivated as soon as a license is activated, the controller is reset, or a standard mode is selected in the store.

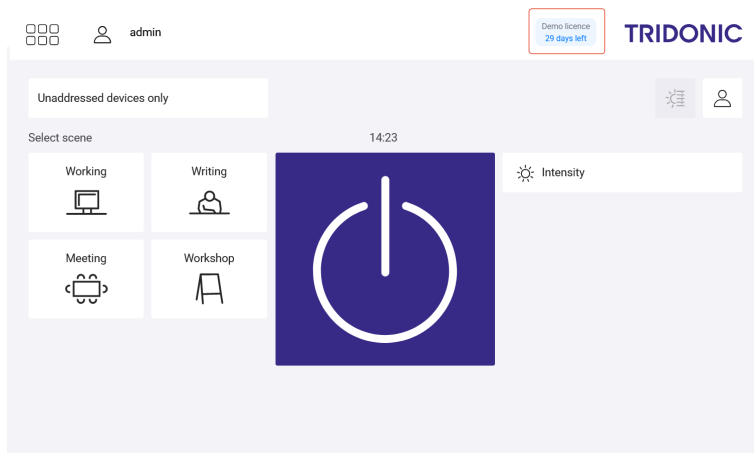


Figure 1: User interface with demo licence information

To reactivate the controller after the trial period, a suitable licence must be purchased. It can be purchased directly from the sceneCOM Store.

If you do not wish to purchase a license, you have the option to switch to a license-free model in the sceneCOM Store after the trial period expires.

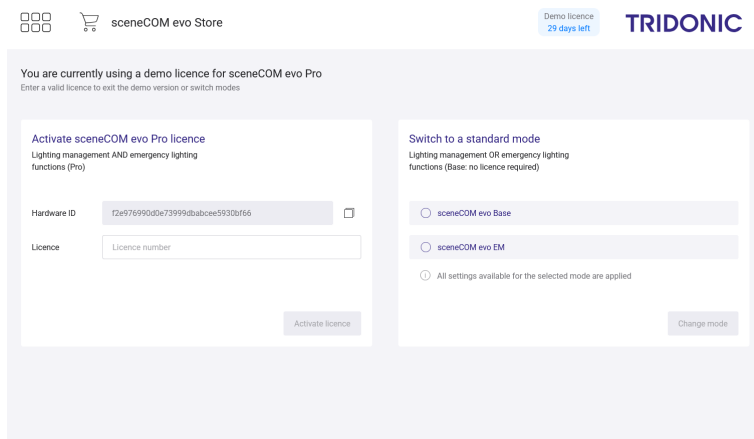


Figure 2: sceneCOM Store

6 Reset sceneCOM evo

When restoring the factory settings, certain settings are retained while all other system data is deleted.

The following are retained by default:

- Network settings of the controller (e.g., the IP address used for browser access)
- Date and time settings
- Test book and business logs

The following are deleted:

- All other controller data, such as passwords, language selection, geographical coordinates, license information, mode, zones, rooms, groups, and addressed devices (Note: The DALI short addresses in the devices themselves are retained; only their assignment in the controller is deleted)
- Settings of the assigned controllers and other user-specific settings

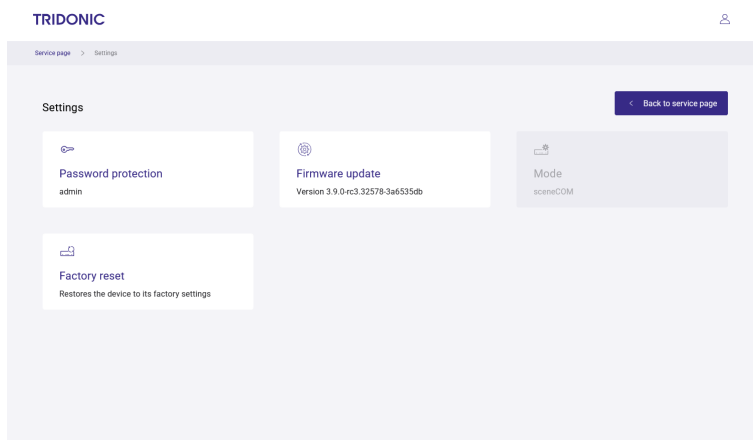
After resetting, the controller is in a defined basic state with the original factory settings, while network- and license-related information is retained.

To reset the controller to factory settings, proceed as follows:

1. Go to the IP address of the control device and select port 8080: <http://10.10.40.254:8080>
2. Tap the **Settings** menu on the service page.

sceneCOM		TRIDONIC		
1 Status General status information and settings	1.01 DALI Line All	1.02 DALI Line 1	1.03 DALI Line 2	1.04 DALI Line 3
	1.05 Master device			
2 Commissioning Information and settings for commissioning	2.01 Backup / restore	2.02 Device identification		
3 Configuration Change configuration settings	3.01 DALI Line All	3.02 DALI Line 1	3.03 DALI Line 2	3.04 DALI Line 3
	3.05 Device			
4 Administration Administrative settings and updates	4.01 Network	4.02 Settings	4.03 Enrol CCD	

3. Log in with the password, if you are not already logged in.
 ➔ The **Settings** view is displayed.



4. Tap the **Factory reset** button.
 ➔ The **Factory reset** view is displayed.
5. Tap the **Reset** button.

6 Reset sceneCOM evo

6. Select additional options for deleting the settings.

The following data can also be deleted:

- Network settings
- Business logs
- Test book

7. Tap **Reset device**.

➤ A confirmation dialog is displayed.

8. Tap **Reset device**.

➤ The controller is reset and restarted.

➤ The controller can now be reconfigured.



Note

If a login window appears when accessing the controller again, log in without a password.

7 Next steps

Once you have commissioned the controller, you will be directed straight to the user interface for the selected mode. All further steps can be found in the documentation for the selected mode. See Section [Other available documents](#)⁵.