

Occhio KNX module

KNX IP interface

Operation and installation manual



(Art. # NZK10B0)

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1. Application

The Occhio KNX module serves as an interface between an Occhio PRO gateway and KNX, both at the telegram level (KNXnet/IP Tunneling) and at the data point level (KNX Application Layer). The Occhio KNX module is specifically designed for this interface to an Occhio PRO gateway.

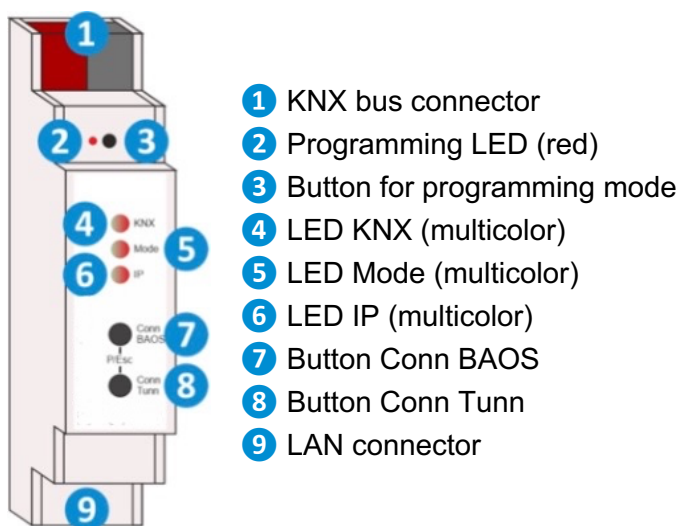
The device is configured using ETS software and supports the configuration and control of up to 45 Occhio objects (individual luminaires, groups, rooms) and up to 64 Occhio scenes.

Programming Interface

The Occhio KNX module can be used as an interface to KNX. The KNX bus can be accessed from any point in the LAN. For this purpose, an additional physical address must be assigned in each case. This is described in the following chapters.

2. Installation and connection

The Occhio KNX module is designed for installation on a DIN rail with a width of 1 unit (18mm). Power is supplied via the KNX bus. It features the following controls and displays:



If the bus voltage is missing, the device is without function.

2.1. KNX programming mode

The KNX programming mode is activated/deactivated either by pressing the recessed KNX programming button **3** or by simultaneously pressing the buttons (P/Esc) **7** and **8**.

When the programming mode is active, the programming LED **2** and the LED Mode **5** light up red.

The operation/visualization of the programming mode on the front can be activated/deactivated in the ETS® on page general settings.

2.2. Manual operation and status display

The LED KNX **4** lights up green if the device is successfully powered by the KNX bus. This LED indicates telegram traffic on the KNX bus by flickering.

Communication failures (e.g. repetitions of telegrams or telegram fragments) are indicated by a short change of the LED color to red.

Overview of the different indications of the LED KNX **4**:

LED Status	Meaning
LED lights green	KNX bus voltage present.
LED flickers green	Telegram traffic on the KNX bus.
LED briefly red	Error in the communication on the KNX bus.

The LED IP **6** lights up when an Ethernet link is active. This LED is green if the device has valid IP settings (IP address, Sub net and Gateway). With invalid or nonexistent IP settings the LED is red. This is also the case if e.g. the device has not yet received the IP settings by a DHCP server.

This LED indicates IP telegram traffic by flickering.

Overview of the different indications of the LED IP **6**:

LED Status	Meaning
LED lights green	The device has an active ethernet link and valid IP settings.
LED lights red	The device has an active ethernet link and invalid IP settings or has not yet received IP settings from the DHCP server.
LED flickers green	IP telegram traffic.

The LED Mode **5** can visualize the status of each KNXnet/IP tunneling connection.

With the button Conn Tunn **8** you can chose each single KNXnet/IP Tunneling connection. Pressing the button Conn Tunn **8** counts the connection numbers up. The actually selected connection number is indicated by flashing (1x...5x) of the LED Mode **5**. An available KNXnet/IP Tunneling connection is indicated by a green LED and a used tunneling connection is indicated by an orange LED.

Via the Escape function (Esc) this indication can be ended by simultaneously pressing button Conn Tunn **8**.

If neither programming mode nor manual mode are active the LED Mode **5** can visualize configuration errors.

Overview of the different indications of the LED Mode **5**:

LED Status	Meaning
LED lights green	The device operates in normal operating mode.
LED lights red	The programming mode is active.
LED flashes green 1x...10x	Programming mode is not active. Manual operation is active.
LED flashes orange 1x...10x	Programming mode is not active. Manual operation is active.
LED flashes green 1x...5x	Programming mode is not active. Manual operation is active. The selected tunnel (1...5) is not used and free.
LED flashes orange 1x...5x	Programming mode is not active. Manual operation is active. The selected tunnel (1...5) is used.
LED flashes red	The programming mode is not active. The device is not loaded correctly, e.g. after aborting a download.

3. Reset to factory default settings

It is possible to reset the device to its factory default settings.

- Disconnect the KNX bus connector **1** from the device.
- Press the KNX programming button **3** and keep it pressed down.
- Reconnect the KNX bus connector **1** to the device.
- Keep the KNX programming button **3** pressed for at least another 6 seconds.
- A short flashing of all LEDs (**2 4 5 6**) visualizes the successful reset of the device to factory default settings.

In the factory default settings, the device has the physical address 15.15.255 and no group addresses are connected. Also, KNX Data Security is disabled and the initial key (FDSK) must be used for secure commissioning.

3.1. Factory default settings

Individual addresses and KNXnet/IP tunneling connections

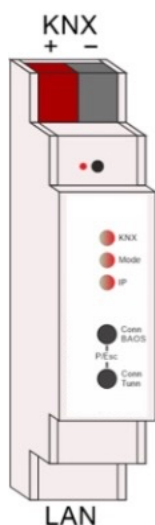
Individual address: 15.15.255

Active KNXnet/IP tunneling connections: 1

Individual address of the tunneling connection: 15.15.240

IP address assignment: DHCP

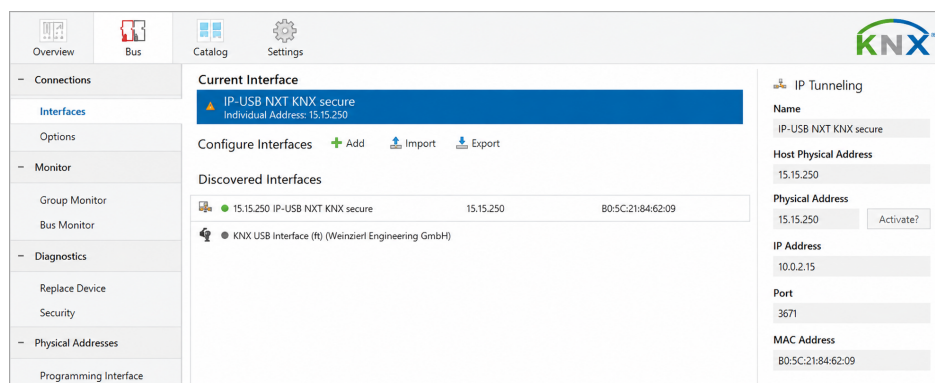
4. Wiring scheme



5. Interface settings in the ETS

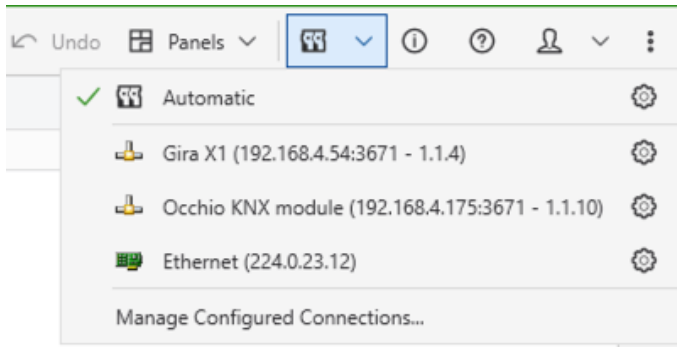
5.1. ETS 5

In the ETS 5, interfaces can be selected and configured via the ETS menu “Bus – Interfaces”. All available connections are listed under “Discovered Interfaces”. After clicking on the desired connection, connection specific information and options appear on the right side of the ETS window. The selected connection can be selected as the “Current Interface” via the “Select” button.



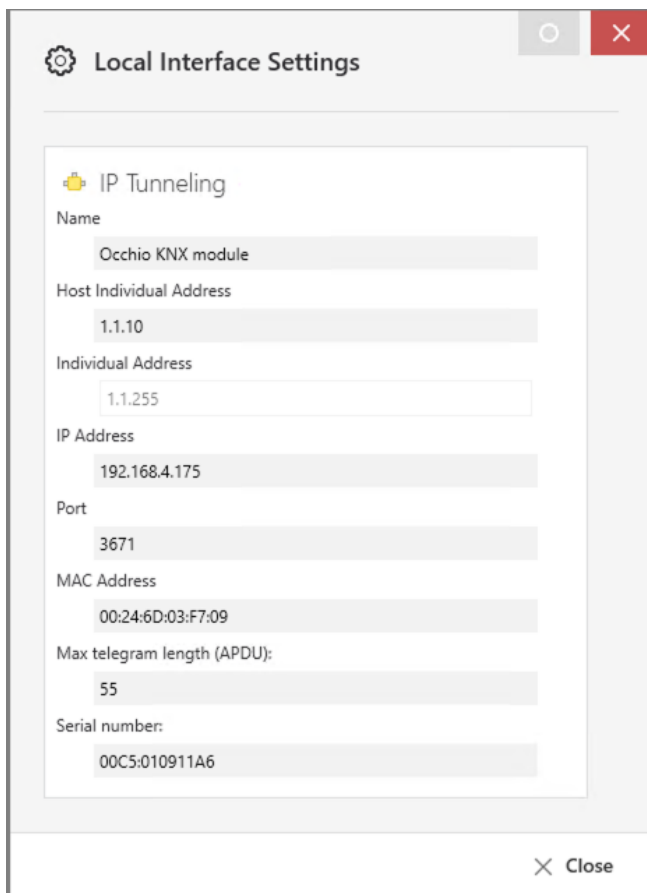
5.2. ETS 6

In the ETS 6, interfaces can be selected and configured in the ETS project via the “Interface” button. All available connections are listed here.



By clicking on a connection, this is selected as the desired interface.

By clicking the gear next to the desired connection, the connection specific information and options appear.



6. Programming

The Occhio KNX module can be programmed by the ETS via different ways.

6.1. Via KNX bus

For this purpose, the device must only be connected to the KNX bus. The ETS requires an additional interface (e.g. USB) to the KNX bus. Via this way, both the individual address and the entire application including IP configuration can be programmed. Programming via the KNX bus is recommended if no IP connection can be established.

6.2. Via KNXnet/IP tunneling

No additional interface is required here. Programming via KNXnet/IP tunneling is possible if the device already has a valid IP configuration (e.g. via DHCP or Auto IP). In this case, the device is displayed in the interfaces in the ETS and must be selected. The download takes place from the ETS project, as with other devices.

6.3. Via direct IP connection

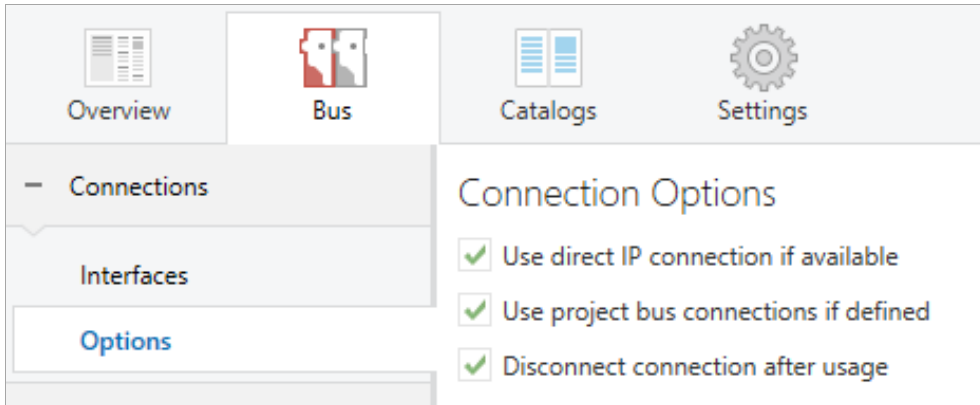
While both KNXnet/IP tunneling and KNXnet/IP routing are limited to the speed of KNX TP, a direct IP connection allows the device to be loaded at high speed. The direct IP connection is possible if the device already has both a valid IP configuration and an individual address.



Due to the significantly shorter transmission times, it is recommended to perform downloads via IP.

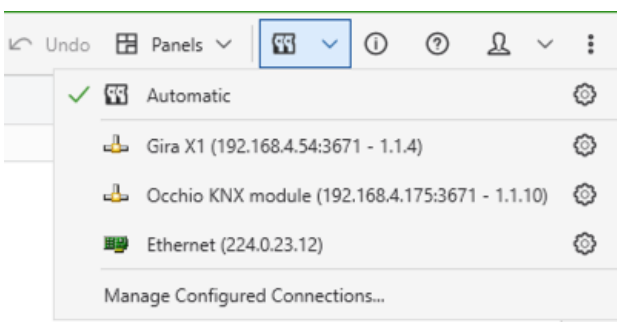
ETS 5

In ETS 5, the selection “Use direct IP connection if available” can be selected in the menu under “Bus – Connections – Options”. The download then takes place directly in the device and is not visible in the ETS group monitor.



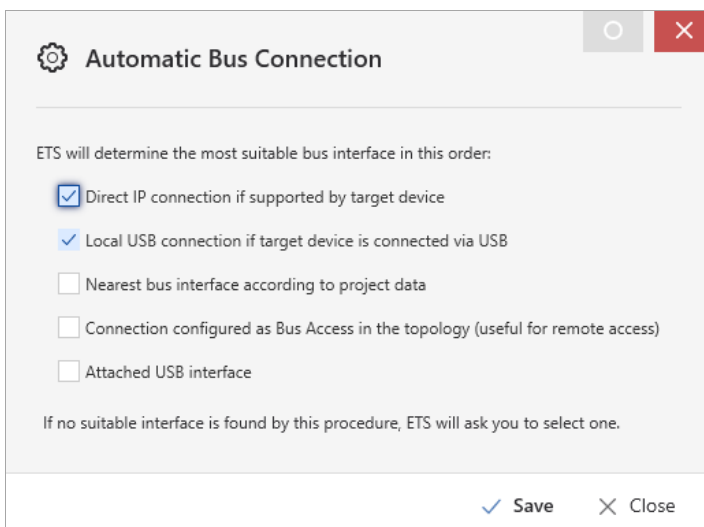
ETS 6

In ETS 6, interfaces can be selected and configured in the ETS project via the “Interface” button. All available connections are listed here.



By clicking on “Automatic” selects the “Automatic Bus Connection”.

By clicking the gear next to “Automatic” the specific options appear.



Here, the selection “Direct IP connection if supported by target device” can be selected. The download then takes place directly in the device and is not visible in the ETS group monitor.

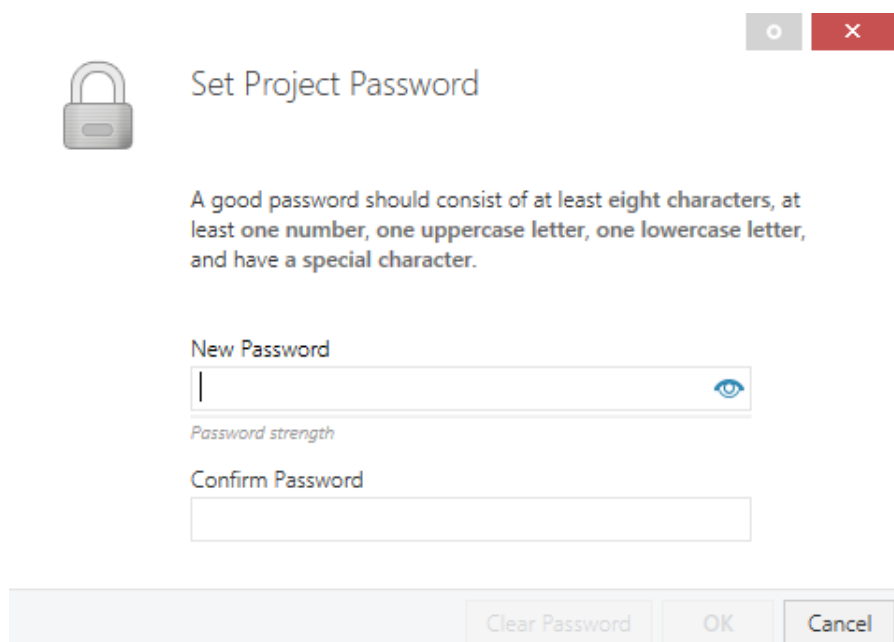
7. ETS database

The ETS 5 database (ETS 5.7 or above) can be downloaded via the following link:



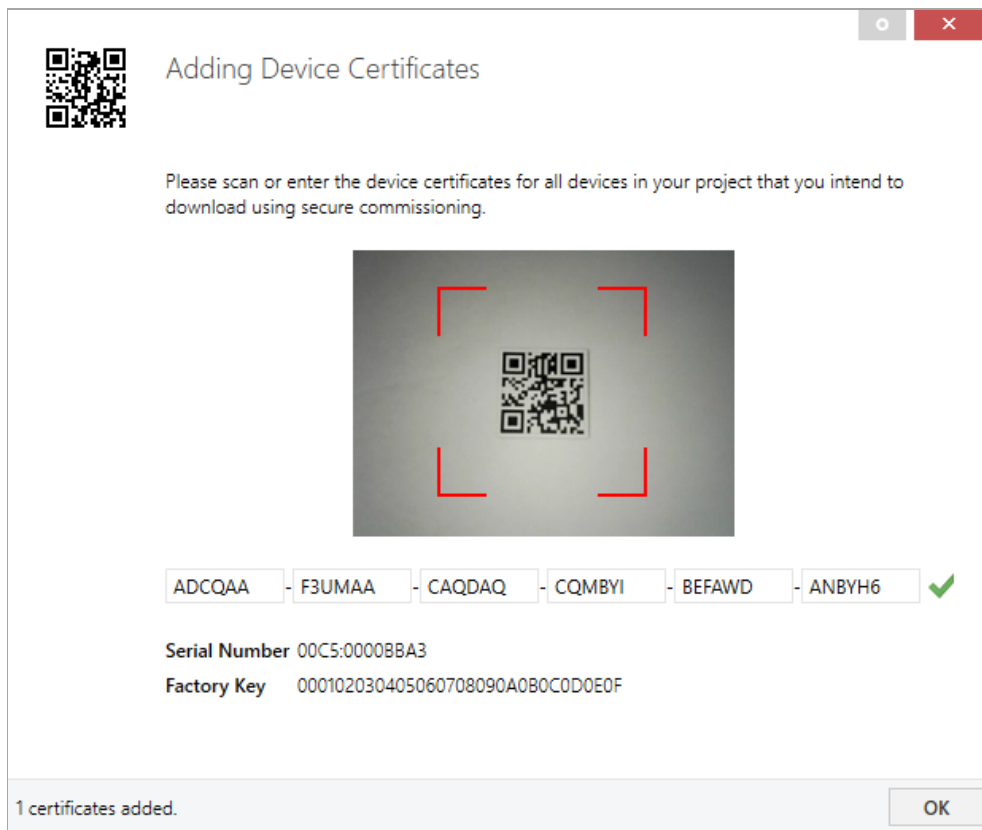
7.1. Secure commissioning

If the first product is inserted into a project with KNX Security, the ETS prompts you to enter a project password.



This password protects the ETS project from unauthorized access. This password is not a key that is used for KNX communication. The entry of the password can be bypassed with "Cancel", but this is not recommended for security reasons.

ETS requires a device certificate for each device with KNX Security that is created in the ETS. This certificate contains the serial number of the device as well as an initial key (FDSK = Factory Default Setup Key).



The certificate is printed as text on the device. It can also be scanned from the printed QR code via a webcam.

The list of all device certificates can be managed in the ETS panel Reports – Project Security.

This initial key is required to safely put a device into operation from the start. Even if the ETS download is recorded by a third party, the third party has no access to the secured devices afterwards. During the first secure download, the initial key is replaced by the ETS with a new key that is generated individually for each device. This prevents persons or devices who may know the initial key from accessing the device. The initial key is reactivated after a reset to factory default settings.

The serial number in the certificate enables the ETS to assign the correct key to a device during a download.

In the ETS project in the properties of the device, secure commissioning can be activated and the device certificate can be added:

Properties

>

Settings

IP

Comments

Information

Name

Occhio KNX module

Individual Address

Description

Last Modified

20/05/2026 10:05

Last Downloaded

-

Serial Number

-

Secure Commissioning

Deactivated

Add Device Certificate

Status

Unknown

7.2. Secure group communication

Each object of the device can communicate either encrypted or unencrypted. The encryption is set under "Security" in the properties of the used group address:

Properties

>

Settings

Comments

Information

Name

Switch a

Address

1/1 / 1

Description

Group Address Settings

☐ Central
 ☐ Pass through Line Coupler

Security

Automatic

Data Type

1.001 switch

The setting "Automatic" activates encryption if both objects to be connected can communicate encrypted. Otherwise encrypted communication between the objects is not possible.

In the overview of communication objects in the ETS project, secured objects can be recognized by a shield symbol:

	Security	Number ^	Name	Object Function	Description	Group Address
		11	Button A0: Object a	Switch	Switch a	1/1/1
		12	Button A0: Object b	Switch	Switch b	1/1/2
		21	Button A1: Object a	Switch	Switch a	1/1/1
		22	Button A1: Object b	Switch	Switch b	1/1/2

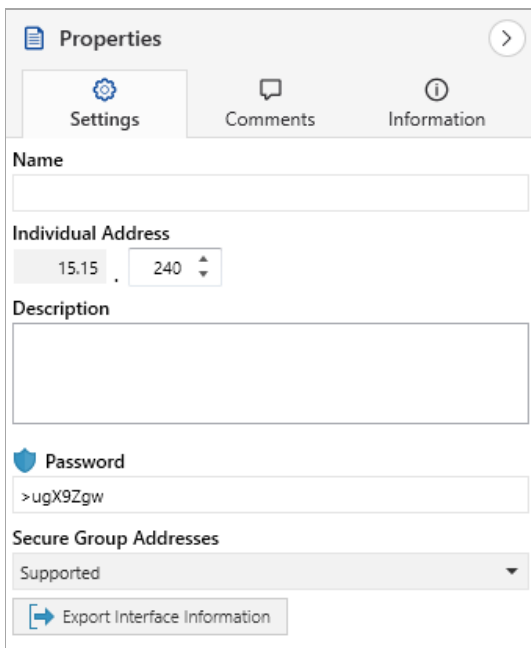
A separate key is automatically generated by the ETS for each secured group address. These keys can also be checked in the ETS panel Reports – Project Security. To enable all devices to communicate with a secure group address, the keys must be known to all. Therefore a download must be made into all devices that use this group address when a key is created or changed. A key is changed by the ETS e.g. when the encryption of a group address is switched off and on again.

7.3. Additional individual addresses

The additional individual addresses appear in the topology view.

- ▼  1.1.1 Occhio KNX module
-  1.1.2 KNXnet/IP tunneling interface
-  1.1.3 KNXnet/IP tunneling interface
-  1.1.4 KNXnet/IP tunneling interface
-  1.1.5 KNXnet/IP tunneling interface
-  1.1.6 KNXnet/IP tunneling interface
-  1.1.7 KNXnet/IP tunneling interface
-  1.1.8 KNXnet/IP tunneling interface
-  1.1.9 KNXnet/IP tunneling interface

To change the individual addresses, select the corresponding entry in the list and enter the desired address in the text field under "Properties – Settings". If the frame of the text field changes its colour to red after entry, this indicates that the address entered is already being used. The changes are only applied in the device after download.



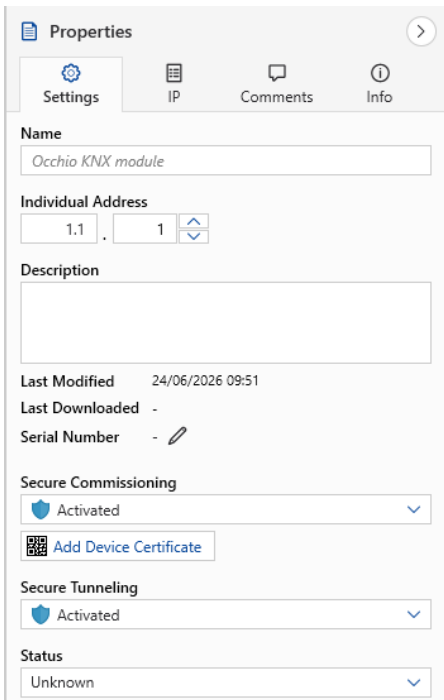
Make sure that none of the specified addresses are already used in your KNX installation.

7.4. IP settings

By marking the Occhio KNX module in the tree structure of the topology view of the ETS project, the overview “Properties” appears on the right side of the ETS window.

7.4.1. Device name (user friendly name)

Under Properties menu item “Settings”, the device name (user friendly name) of the Occhio KNX module can be changed. The first 30 characters are used. The Occhio Gateway PRO is looking for a device with this name. It can be changed via the Occhio app.



Properties

Settings IP Comments Info

Name
Occhio KNX module

Individual Address
1.1 . 1

Description

Last Modified 24/06/2026 09:51
Last Downloaded -
Serial Number -

Secure Commissioning
 Activated
 Add Device Certificate

Secure Tunneling
 Activated

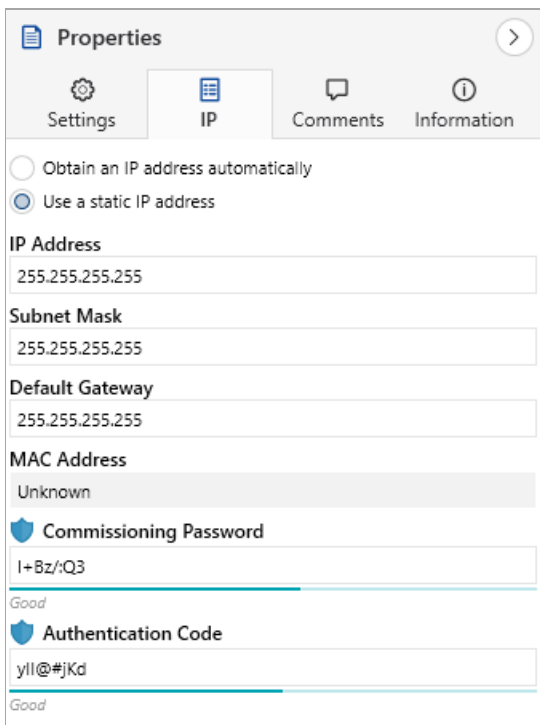
Status
 Unknown



The change made will only take effect after an ETS download.

7.4.2. IP configuration

Under Properties menu item “IP”, the IP specific options of the Occhio KNX module can be changed.



Properties

Settings IP Comments Information

☐ Obtain an IP address automatically
☒ Use a static IP address

IP Address
255.255.255.255

Subnet Mask
255.255.255.255

Default Gateway
255.255.255.255

MAC Address
Unknown

Commissioning Password
I+Bz:/Q3

Authentication Code
yII@#jKd



The change made will only take effect after an ETS download.

By switching from “Obtain an IP address automatically” (via DHCP) to “Use a static IP address” (static IP address), the IP address, subnet mask and standard gateway can be freely selected.

IP Address

The IP address of the Occhio KNX module must be entered here. This is used to address the device via the IP network (Wi-Fi). The IP addressing should be coordinated with the administrator of the network.

Subnet Mask

The subnet mask must be entered here. This mask is used by the device to determine whether a communication partner is located in the local network. If a partner is not in the local network, the device does not send the telegrams directly to the partner, but to the standard gateway, which takes over the forwarding.

Default Gateway

Enter the IP address of the gateway here, e.g. the access point of the installation.

7.5. General Settings

1.1.1 Occhio KNX module > Lights

Lights

Amount of lights

0

Scene function

☒ Disabled ☐ Enabled

Central - Off

☒ Disabled ☐ Enabled

Global - On/Off state

☒ Disabled ☐ Enabled

Number of Luminaires / Objects

This parameter defines how many **Occhio objects (individual luminaires, groups, rooms)** are to be controlled via the KNX module. The configured number determines how many object instances are created in the KNX module and can be parameterized in ETS. **Up to 45 Occhio objects** (individual luminaires, groups, rooms) can be configured.

Scene Function

This parameter activates the scene function of the KNX module. When the scene function is enabled, **Occhio scenes can be triggered via KNX scenes. Up to 64 Occhio scenes** are supported. A KNX scene can be assigned to an Occhio scene, enabling centralized scene control via KNX pushbuttons, logic functions, or visualization systems.

Central Off

The Central Off data point allows all luminaires connected via Occhio air to be switched off simultaneously. The Central Off command has a higher KNX priority than individual switching or dimming telegrams. This ensures that a Central Off command reliably switches off all luminaires at any time, regardless of their current state.

Global – On/Off Status

This data point provides a cumulative on/off status of all luminaires connected via Occhio air.

- If all luminaires are off, the global status is also Off.
- If at least one luminaire is on, the global status is On.

The data point is suitable for, e.g.:

- Visualizations
- Status displays
- Centralized logic or automation functions

7.6. Object / Luminaire Settings

This section defines the functionality of each individual Occhio object. An Occhio object can correspond to an individual luminaire, a group, or a room. For each configured object, it can be individually selected which functions should be available via KNX. The enabled functions determine which communication objects are created in ETS and which control options will be available via KNX. Functions that are not enabled are unavailable for the respective object and do not generate any group objects.

For the sake of simplicity and clarity, the **object designation "Luminaires"** is used in ETS and throughout the remainder of this chapter as a representative term for **individual luminaires, groups, and rooms**.

1.1.1 Occhio KNX module > Lights > Mito soffitto

Lights	Light 1
Mito soffitto	Description: Mito soffitto On/Off: ☐ Disabled ☒ Enabled Dimming: ☐ Disabled ☒ Enabled Turn on before dimming: ☒ Disabled ☐ Enabled Color tune: ☐ Disabled ☒ Enabled Up/Down: ☒ Disabled ☐ Enabled Spot/Height: Disabled Generic object 1: Disabled Generic object 2: Disabled Generic object 3: Disabled Generic object 4: Disabled
Sento verticale	
Mito cosmo move	

1.1.1 Occhio KNX module > Lights > Sento verticale

Lights	Light 2
Mito soffitto	Description: Sento verticale On/Off: ☐ Disabled ☒ Enabled Dimming: ☐ Disabled ☒ Enabled Turn on before dimming: ☒ Disabled ☐ Enabled Color tune: ☒ Disabled ☐ Enabled Up/Down: ☐ Disabled ☒ Enabled Spot/Height: Disabled Generic object 1: Disabled Generic object 2: Disabled Generic object 3: Disabled Generic object 4: Disabled
Sento verticale	
Mito cosmo move	

1.1.1 Occhio KNX module > Lights > Mito cosmo move

— Lights

Mito soffitto

Sento verticale

Mito cosmo move

Light 3

Description

On/Off ☐ Disabled ☒ Enabled

Dimming ☐ Disabled ☒ Enabled

Turn on before dimming ☒ Disabled ☐ Enabled

Color tune ☐ Disabled ☒ Enabled

Up/Down ☐ Disabled ☒ Enabled

Spot/Height

Generic object 1

Generic object 2

Generic object 3

Generic object 4

Available Object / Luminaire Functions

For each luminaire, the following functions can be enabled:

- **On/Off:** This function enables switching the luminaire on and off via KNX.
- **Dimming:** This function allows the brightness of the luminaire to be adjusted via KNX. Both relative dimming (step mode) and absolute dimming (percentage setpoint) are supported, depending on the subsequent assignment of group objects.
- **Switch before Dim:** When a luminaire is electrically switched via a KNX switching actuator, this function allows the luminaire to be turned on before a dim command is triggered.
- **Color Tune:** This function enables adjustment of the luminaire's color temperature, provided the luminaire supports this feature. Via KNX, it is possible to switch between warm white and cool white, or to continuously fade between color temperatures.
- **Up/Down:** This function allows the ratio between up-light and down-light to be adjusted for luminaires that have separate light components. Control is either stepwise or via an absolute setpoint.
- **Spot / Height:** Depending on the luminaire type, this function enables either control of the spot function (e.g. Gioia) or the electric height adjustment of a luminaire with motorized height adjustment (e.g. Mito cosmo move). The specific functionality depends on the characteristics of the luminaire used.
- **Generic Object 1–4:** Group objects for mapping future functions.

Note on Functionality

The available functions depend on the capabilities of the respective Occhio luminaire. Not every luminaire supports all listed functions. The selection of functions should therefore be adapted to the luminaire type in use, in order to ensure consistent operation within the KNX installation. By enabling the luminaire functions, the corresponding group objects are created, which can be linked to KNX group addresses in the next section.

7.7. Group Objects

By enabling the respective luminaire functions, the corresponding group objects are automatically created. These group objects can be linked to KNX group addresses in ETS and enable control and feedback of the luminaires via KNX. Depending on the enabled function, different communication objects with defined data point types are available.

7.7.1. On/Off

These group objects enable switching of the luminaire and feedback of the current switching state.

Switch

- Datapoint: DP 1.001
- Direction: Write
- Function: Switches the luminaire on or off

Status

- Datapoint: DP 1.001
- Direction: Read
- Function: Reports the current on/off state of the luminaire

7.7.2. Dimming

These group objects enable brightness control of the luminaire via KNX.

Relative

- Datapoint: DP 3.007
 - Direction: Write
 - Function: Relative dimming (3-bit controlled, dimmer step)
- Note: Relative dimming only works in conjunction with the telegram repetition function.*

Absolute

- Datapoint: DP 5.001
- Direction: Write
- Function: Absolute brightness setpoint in percent (0–100%)

Status Absolute

- Datapoint: DP 5.001
- Direction: Read
- Function: Feedback of the current brightness in percent (0–100%)

Switch before Dim

- Datapoint: DP 1.001
- Direction: Read

- Function: Sends an "ON" command before setting the brightness of a luminaire that is switched off

7.7.3. Color Tune

These group objects enable color temperature control, provided the luminaire supports this function.

Switch

- Datepoint: DP 1.001
- Direction: Write
- Function: Toggle between warm white and cool white

Relative

- Datepoint: DP 3.007
- Direction: Write
- Function: Relative adjustment of color temperature (fading between warm and cool white)
Note: Relative adjustment only works in conjunction with the telegram repetition function.

Absolute

- Datepoint: DP 7.600
- Direction: Write
- Function: Absolute color temperature setpoint in Kelvin

Status Absolute

- Datepoint: DP 7.600
- Direction: Read
- Function: Feedback of the current color temperature in Kelvin

7.7.4. Up/Down

These group objects enable control of the ratio between up-light and down-light.

Switch

- Datepoint: DP 1.001
- Direction: Write
- Function: Toggle between up-light and down-light

Relative

- Datepoint: DP 3.007
- Direction: Write
- Function: Relative adjustment of the up/down ratio
Note: Relative adjustment only works in conjunction with the telegram repetition function.

Absolute

- Datepoint: DP 5.001
- Direction: Write
- Function: Setpoint of the ratio in percent (0–100%)

Status Absolute

- Datepoint: DP 5.001
- Direction: Read
- Function: Feedback of the current ratio in percent (0–100%)

7.7.5. Height

These group objects enable control of a luminaire with motorized height adjustment, e.g. Mito cosmo move. Control is analogous to a blind/shutter actuator.

Up/Down

- Datepoint: DP 1.008
- Direction: Write
- Function: Moves the luminaire up or down

Step/Stop

- Datepoint: DP 1.007
- Direction: Write
- Function: Stepwise movement or stopping of the motion

Absolute

- Datepoint: DP 5.001
- Direction: Write
- Function: Height setpoint in percent (0–100%)

Status Absolute

- Datepoint: DP 5.001
- Direction: Read
- Function: Feedback of the current height in percent (0–100%)

7.7.6. Spot

These group objects enable switching of the spot function on and off.

Switch

- Datepoint: DP 1.001
- Direction: Write
- Function: Switches the spot on or off

Status

- Datepoint: DP 1.001
- Direction: Read
- Function: Feedback of the current spot status

7.7.7. Generic Object 1–4

These group objects enable the implementation of future functions without requiring an application update.

7.7.8. Scene

These group objects enable the triggering of Occhio scenes via KNX.

Call Scene

- Datepoint: DP 17.001
- Direction: Write
- Function: Triggers a scene via the scene number

7.7.9. Central Functions

These group objects act across all luminaires connected via Occhio air.

Central Off

- Datepoint: DP 1.001
- Direction: Write
- Function: Switches all luminaires off simultaneously

Global On/Off

- Datepoint: DP 1.001
- Direction: Read
- Function: Cumulative status of all luminaires
 - Off, when all luminaires are switched off
 - On, when at least one luminaire is switched on

Channels 3 Group Objects 38 Parameters													
Number	Name	Object Function	Lir	Gr	Length	C	R	W	T	U	Data Type	Priority	
1	Mito soffitto - On/Off	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
2	Mito soffitto - On/Off	State			1 bit	C	R	-	T	-	1-bit, switch	Low	
3	Mito soffitto - Dimming	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
4	Mito soffitto - Dimming	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
5	Mito soffitto - Dimming	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
7	Mito soffitto - Color tune	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
8	Mito soffitto - Color tune	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
9	Mito soffitto - Color tune	Absolute			2 bytes	C	-	W	-	-	2-byte un...	Low	
10	Mito soffitto - Color tune	State absolute			2 bytes	C	R	-	T	-	2-byte un...	Low	
23	Sento verticale - On/Off	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
24	Sento verticale - On/Off	State			1 bit	C	R	-	T	-	1-bit, switch	Low	
25	Sento verticale - Dimming	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
26	Sento verticale - Dimming	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
27	Sento verticale - Dimming	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
33	Sento verticale - Up/Down	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
34	Sento verticale - Up/Down	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
35	Sento verticale - Up/Down	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
36	Sento verticale - Up/Down	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
45	Mito cosmo move - On/Off	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
46	Mito cosmo move - On/Off	State			1 bit	C	R	-	T	-	1-bit, switch	Low	
47	Mito cosmo move - Dimming	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
48	Mito cosmo move - Dimming	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
49	Mito cosmo move - Dimming	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
51	Mito cosmo move - Color tune	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
52	Mito cosmo move - Color tune	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
53	Mito cosmo move - Color tune	Absolute			2 bytes	C	-	W	-	-	2-byte un...	Low	
54	Mito cosmo move - Color tune	State absolute			2 bytes	C	R	-	T	-	2-byte un...	Low	
55	Mito cosmo move - Up/Down	Switch			1 bit	C	-	W	-	-	1-bit, switch	Low	
56	Mito cosmo move - Up/Down	Relative			4 bit	C	-	W	-	-	3-bit contr...	Low	
57	Mito cosmo move - Up/Down	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
58	Mito cosmo move - Up/Down	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
59	Mito cosmo move - Height	Up/Down			1 bit	C	-	W	-	-	1-bit, up/...	Low	
60	Mito cosmo move - Height	Step/Stop			1 bit	C	-	W	-	-	1-bit, step	Low	
61	Mito cosmo move - Height	Absolute			1 byte	C	-	W	-	-	8-bit unsi...	Low	
62	Mito cosmo move - Height	State absolute			1 byte	C	R	-	T	-	8-bit unsi...	Low	
991	Scene	Call			1 byte	C	-	W	-	-	scene nu...	Low	
992	Central - Off	Trigger			1 bit	C	-	W	-	-	1-bit, trig...	Low	
993	Global - On/Off	State			1 bit	C	R	-	T	-	1-bit, switch	Low	

8. Supported Luminaires and Function Overview

The following table provides an overview of all Occhio air-compatible luminaires and the KNX functions they support. Feature availability depends on the respective luminaire type. The selection of functions to be enabled in ETS should be made in accordance with this overview to ensure consistent and correct operation.

Serie	Familiy	Model	On/Off	Dimming	Color Tune	Up/Down	Spot/Height
Era	Era	Era	✓	✓	✓	—	—
Luna	Luna	Luna pura	✓	✓	✓	—	—
Luna	Luna	Luna basso	✓	✓	✓	—	—
Luna	Luna	Luna sogno	✓	✓	✓	—	—
Luna	Luna	Luna sospeso	✓	✓	✓	—	—
Luna	Luna	Luna sospeso cloud	✓	✓	✓	—	—
Luna	Luna	Luna parete	✓	✓	✓	—	—
Luna	Luna	Luna scura	✓	✓	✓	—	—
Luna	Luna	Luna piena	✓	✓	✓	—	—
Luna	Luna	Lunanova	✓	✓	✓	circular fading ✓	—
X	Mito	Mito raggio	✓	✓	✓	✓	—
X	Mito	Mito largo	✓	✓	✓	✓	—
X	Mito	Mito sospeso	✓	✓	✓	✓	—
X	Mito	Mito sospeso move	✓	✓	✓	✓	Höhe ✓
X	Mito	Mito cosmo piano	✓	✓	✓	✓	—
X	Mito	Mito cosmo move	✓	✓	✓	✓	Höhe ✓
X	Mito	Mito aura	✓	✓	✓	✓	—
X	Mito	Mito aura alta	✓	✓	✓	✓	—
X	Mito	Mito soffitto	✓	✓	✓	—	—
X	Mito	Mito sfera	✓	✓	✓	—	—
X	Mito (Ed. Lusso)	Mito raggio lusso	✓	✓	✓	✓	—
X	Mito (Ed. Lusso)	Mito largo lusso	✓	✓	✓	✓	—
X	Mito (Ed. Lusso)	Mito sospeso lusso	✓	✓	✓	✓	—
X	Mito (Ed. Lusso)	Mito aura lusso	✓	✓	✓	✓	—
X	Mito (Ed. Lusso)	Mito soffitto lusso	✓	✓	✓	—	—
X	Mito linear	Mito terra	✓	✓	✓	✓	—
X	Mito linear	Mito volo	✓	✓	✓	✓	—
X	Mito linear	Mito alto	✓	✓	✓	—	—
X	Mito linear	Mito alto side	✓	✓	✓	—	—
X	Gioia	Gioia	✓	✓	✓	✓	Spot ✓
X	Gioia	Gioia equilibrio	✓	✓	✓	✓	Spot ✓

Serie	Familiy	Model	On/Off	Dimming	Color Tune	Up/Down	Spot/Height
X	Gioia	Gioia lettura	✓	✓	✓	✓	Spot ✓
X	Gioia	Gioia tavolo	✓	✓	✓	✓	Spot ✓
X	Taglio	Taglio tavolo	✓	✓	✓	✓	—
X	Taglio	Taglio tavolo fix	✓	✓	✓	✓	—
L	Sento - 1-sided head	Sento tavolo	✓	✓	—	—	—
L	Sento - 1-sided head	Sento lettura	✓	✓	—	—	—
L	Sento - 1-sided head	Sento terra	✓	✓	—	—	—
L	Sento - 1-sided head	Sento letto	✓	✓	—	—	—
L	Sento - 1-sided head	Sento parete singolo	✓	✓	—	—	—
L	Sento - 1-sided head	Sento parete doppio	✓	✓	—	—	—
L	Sento - 1-sided head	Sento soffitto singolo	✓	✓	—	—	—
L	Sento - 1-sided head	Sento soffitto due	✓	✓	—	—	—
L	Sento - 1-sided head	Sento soffitto doppio	✓	✓	—	—	—
L	Sento - 1-sided head	Sento verticale	✓	✓	—	—	—
L	Sento - 1-sided head	Sento faro	✓	✓	—	—	—
L	Sento - 1-sided head	Sento filo	✓	✓	—	—	—
L	Sento - 1-sided head	Sento alto	✓	✓	—	—	—
L	Sento - 1-sided head	Sento alto v	✓	✓	—	—	—
L	Sento - 2-sided head	Sento tavolo	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento lettura	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento terra	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento letto	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento soffitto singolo	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento soffitto due	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento soffitto doppio	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento parete singolo	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento parete doppio	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento verticale	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento faro	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento filo	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento alto	✓	✓	—	✓	—
L	Sento - 2-sided head	Sento alto v	✓	✓	—	✓	—
L	Sento	Sento sospeso	✓	✓	—	✓	—
L	Sento	Sento sospeso due	✓	✓	—	✓	—
L	Sento	Sento sospeso tre	✓	✓	—	✓	—
L	Più / Più R	Più / Più R alto	✓	✓	—	—	—
L	Più / Più R	Più / Più R alto v	✓	✓	—	—	—

Serie	Familiy	Model	On/Off	Dimming	Color Tune	Up/Down	Spot/Height
L	Più / Più R	Più / Più R alto doppio	✓	✓	—	—	—
L	Più / Più R	Più / Più R alto 3d	✓	✓	—	—	—
L	Più / Più R	Più / Più R alto 3d doppio	✓	✓	—	—	—
L	Più / Più R	Più / Più R piano	✓	✓	—	—	—
L	Più / Più R	Più / Più R piano v	✓	✓	—	—	—
M	io	io verticale	✓	✓	—	—	—
M	io	io giro	✓	✓	—	—	—
M	io	io giro doppio	✓	✓	—	—	—
M	io	io alto v	✓	✓	—	—	—
M	io	piano	✓	✓	—	—	—
M	lui	lui verticale	✓	✓	—	—	—
M	lui	lui volto	✓	✓	—	—	—
M	lui	lui alto	✓	✓	—	—	—
M	lui	lui alto doppio	✓	✓	—	—	—
M	lui	lui alto v	✓	✓	—	—	—
M	lui	piano	✓	✓	—	—	—
M	io 3d	pico pro	✓	✓	—	—	—
M	io 3d	sospeso pro	✓	✓	—	—	—
M	lui 3d	pico pro power	✓	✓	—	—	—
E	Sito	Sito (alle Modelle)	✓	✓	—	—	—
S	Coro	Coro alto	✓	✓	✓	—	—
S	Coro	Coro piano	✓	✓	✓	—	—
S	Coro	Coro piano v	✓	✓	✓	—	—
S	Coro	Coro zero v	✓	✓	✓	—	—
S	Coro	Coro sospeso	✓	✓	✓	—	—
S	Coro	Coro cloud	✓	✓	✓	—	—
S	Coro	Coro spider	✓	✓	✓	—	—
S	Coro moon	Coro moon alto	✓	✓	✓	—	—
S	Coro moon	Coro moon piano	✓	✓	✓	—	—
S	Coro moon	Coro moon piano v	✓	✓	✓	—	—
S	Coro moon	Coro moon zero v	✓	✓	✓	—	—
S	Coro moon	Coro moon vivo	✓	✓	✓	—	—
S	Coro moon	Coro moon sospeso	✓	✓	✓	—	—
S	Coro moon	Coro moon cloud	✓	✓	✓	—	—
S	Coro moon	Coro moon spider	✓	✓	✓	—	—



WARNING

- The device must be mounted and commissioned by an authorized electrician.
- The prevailing safety rules must be heeded.
- The device must not be opened.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.



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