

DEUTSCH



BAB
TECHNOLOGIE

DUODMX GATEWAY

LIGHT IT UP

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LIGHT IT UP

Also available as
RF version



DUO DMX APP

COMFORTABLE. QUICK. INTUITIVE.

Discover our latest free app for controlling all of our DUODMX Gateway variants.



The DUODMX GATEWAY is the bi-directional KNX or EnOcean interface to the DMX world – easy to configure and flexible in use. Two configurable DMX interfaces, each with 512 channels, allow independent control of two DMX worlds. With the bi-directional SR versions you can control DMX with KNX and vice versa. Various device variants and the wireless LAN option allow the use in almost every scenario. Easily link channels and scenes to KNX addresses using Drag 'n' Drop. The professional DMX-configuration software «DMX-Configurator» makes it possible. With the free app for iOS® and Android®, you can also control the standalone versions intuitively and conveniently – without any bus system at all. Due to its compact dimensions and different mounting options, the DUODMX GATEWAY is ideally suited for retrofitting in ceilings. An adapter for top hat rail mounting is available as an option.

FASCINATING TECHNOLOGY

ALL ADVANTAGES IN DETAIL

DUAL INTERFACES

The DUODMX GATEWAY has two separately controllable DMX interfaces. This means that two DMX worlds can be controlled independently of each other with one gateway at the same time. Another highlight are the bidirectional variants. You can use them to control KNX devices using DMX devices. The master or slave operation can be set per interface and is available for the variants 12111 and 12121.

CONFIGURABLE BY DRAG 'N' DROP

The included DMX software „DMX-Configurator“ helps with fast configuration. KNX group addresses or EnOcean subscribers can be linked to DMX channels and scenes simply and intuitively via Drag 'n' Drop. In addition to all necessary DMX-specific settings, the software also offers a preview function that makes configuration changes immediately visible on the connected DMX devices. The final configuration data is conveniently transferred to the gateway via network.

MULTIFUNCTIONAL DIMMING

All DMX channels can be dimmed and switched individually or grouped. This allows you to change lighting moods at any time as desired. Relative and absolute dimming allows the use of different operating modes. 3 and 4 byte values are available for color wheel controlling.

PROGRAMMABLE SEQUENCES

A popular feature of the DUODMX GATEWAY is its programmable sequences. Simply arrange the desired color impressions as sequences. They run autonomously in the device and can be called up at any time at the touch of a button. Sequences can also be triggered via a potential free contact input. In this way, you can also implement simple on-site operation.

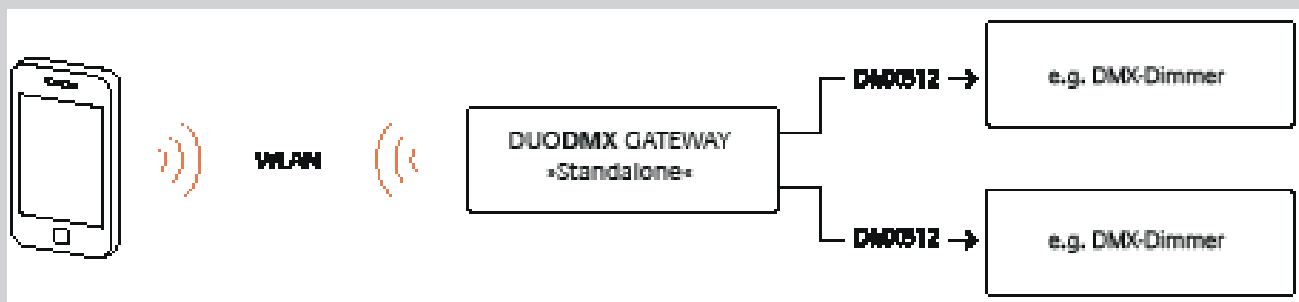
FLEXIBLE THANKS TO KNX, ENOCEAN, WLAN AND POE

Whether KNX or EnOcean RF, wired or wireless: you are completely flexible when it comes to choosing the application options of the DUODMX GATEWAY. For use without a bus system, use one of our stand-alone versions - together with the free app for iOS® and Android®, the perfect choice for conventional installations without building system technology. The power supply is either directly at the device or via POE. The design as a recessed ceiling unit with an optional top-hat rail adapter enables both new installations and retrofitting.

PRODUCT VARIANTS

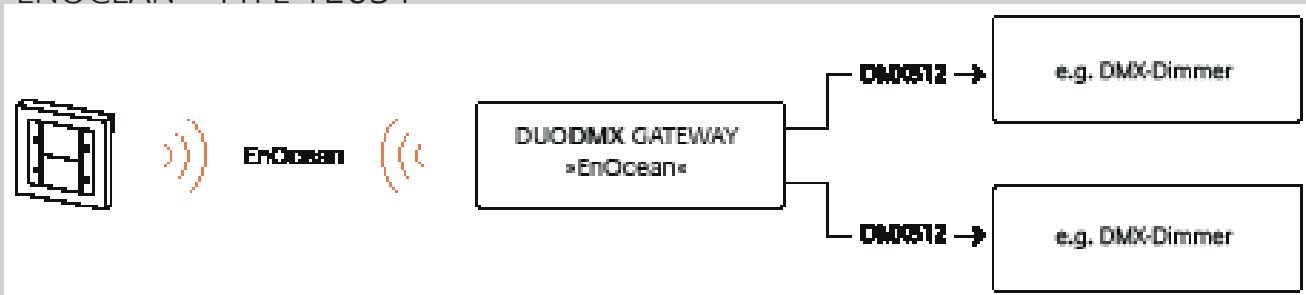
THE DUODMX GATEWAY IN USE

STANDALONE – TYPE 12041W



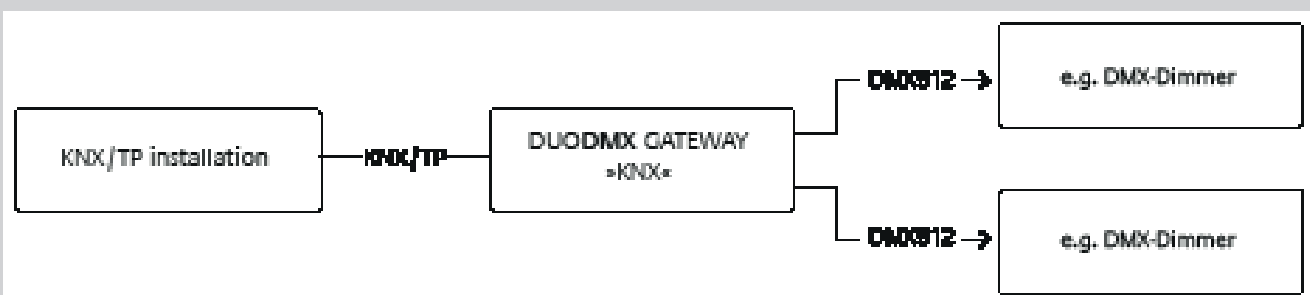
The smartphone and the DUODMX GATEWAY 12041W with integrated WLAN module communicate over the network. The smartphone application sends control commands to the gateway via WLAN. These are forwarded by the DUODMX GATEWAY to the DMX dimmers.

ENOCEAN – TYPE 12031



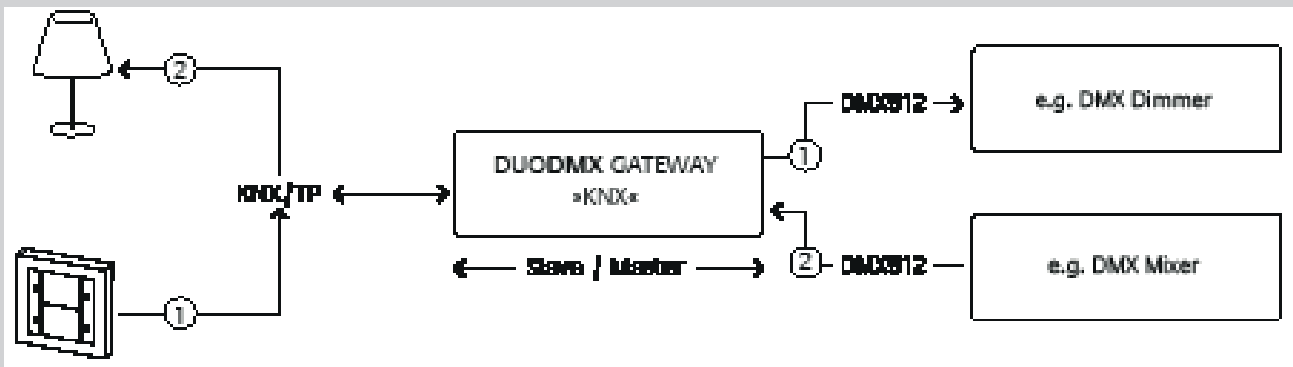
The DUODMX GATEWAY 12031 receives the control command via the built-in EnOcean module. The EnOcean signals are converted into DMX packets and forwarded to the DMX dimmers.

KNX – TYPE 12021



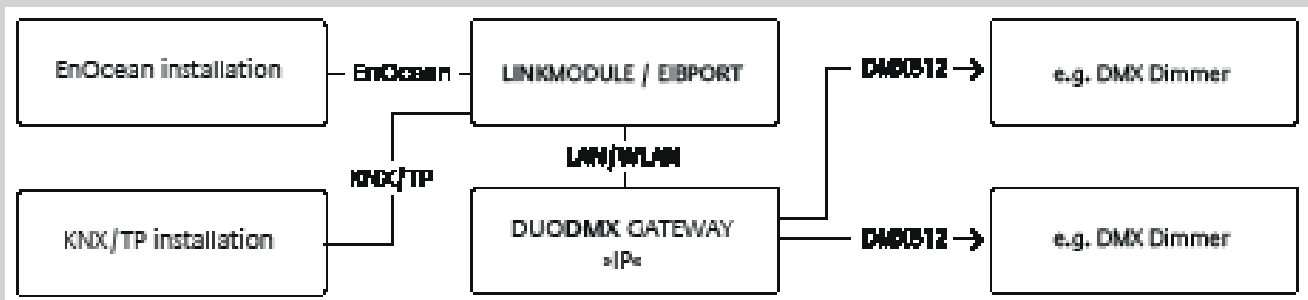
The DUODMX GATEWAY 12021 is connected to the KNX bus via twisted pair. It receives its control commands directly via the KNX bus and forwards DMX packets to the DMX dimmers.

KNX SR – TYPE 12121

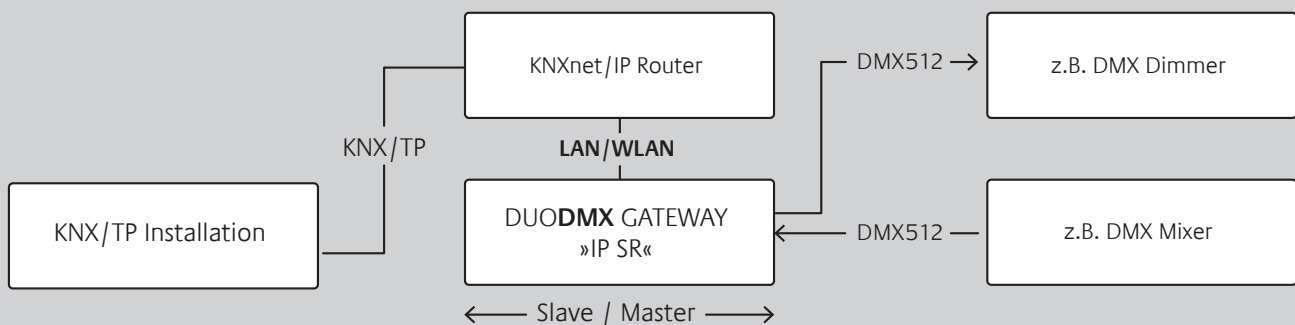


① The DUODMX GATEWAY 12121 SR is connected to the KNX bus and receives its control commands directly via the KNX bus. The DMX packages for the DMX dimmers are then triggered. ② The DMX mixer (DMX Master) is connected to the DUODMX GATEWAY (DMX Slave). The DMX packets are converted into KNX telegrams and sent to the KNX devices.

IP / IP WLAN – TYPE 12011 / 12011W



IP SR – TYPE 12111 / 12111W



IP variant: As an IP variant, the DUODMX GATEWAY 12011 receives the commands via KNXnet/IP routing. The DMX packets are then forwarded to the DMX world.

IP SR variant: The DUODMX GATEWAY 12111 (DMX slave) receives control commands from the DMX mixer (DMX master) and forwards them to the KNX/TP installation via a KNXnet/IP router.

OVERVIEW

TECHNICAL SPECIFICATIONS

- Operating voltage: 12-30 V DC
- Power consumption: ≤ 1.2 VA
- Connection: Power over Ethernet (PoE) or Power supply via plug-in screw terminal
- Climate resistant: EN 50090-2-2-2, class 3K5
- Ambient temperature: -5 to $+45$ °C
- Relative humidity (non-condensing): < 95 %

Mechanical data:

- Mounting: ceiling installation or via top hat rail adapter EN 50022 - 35 x 7.5
- Dimensions (W x H x D) in mm without fixing straps: 116 x 50 x 26 with mounting brackets: 146 x 50 x 26
- Housing: Plastic
- Weight: approx. 120 g
- Protection class: IP20 (according to EN 60529)

Interfaces (depending on variant):

- KNX: Twisted Pair via plug-in screw terminal (1.5 mm²)
- EnOcean: external SMA antenna
- Ethernet: RJ45 connection

- WLAN: 802.11 b (compatible to b/g/n) (Available for models 12011w, 12041w and 12111w)
Encryption standards: WPA 2, WEP
- 2 x DMX 512: plug-in screw terminal (1.5 mm²)

Special features:

- Power supply: PoE or via plug-in screw terminal (1.5 mm²)
- Programming: SD card/network
- Configuration: «DMX-Configurator» (professional DMX software included)
- DMX: 2 x 512 channels
- External antenna: 2.50 m cable, magnetic base and SMA plug (WLAN and EnOcean)

System requirements (DMX-Configurator):

- Operating System: Current Windows® desktop systems
- Communication: Network interface or SD card
- Hard Drive Space: 5 MB

Art. Nr. 12011	DUODMX GATEWAY IP	
Art. Nr. 12011w	DUODMX GATEWAY IP WLAN	
Art. Nr. 12021	DUODMX GATEWAY KNX	
Art. Nr. 12031	DUODMX GATEWAY EnOcean	
Art. Nr. 12041	DUODMX GATEWAY Standalone	
Art. Nr. 12041w	DUODMX GATEWAY Standalone WLAN	
Art. Nr. 12111	DUODMX GATEWAY IP SR	
Art. Nr. 12111w	DUODMX GATEWAY IP SR WLAN	
Art. Nr. 12121	DUODMX GATEWAY KNX SR	

«The DUOD**DMX** GATEWAY is the bidirectional KNX or EnOcean interface to the DMX world. Easy to configure and flexible in use.»

everywhere at home



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