BAB
TECHNOLOGIE

DUO**DMX** GATEWAY

LIGHT IT UP.

DUO**DMX** GATEWAY
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The DUO**DMX** GATEWAY has two independently-configurable DMX outputs, each with 512 channels. This allows two rooms to be controlled independently. The device can be operated as a DMX master or slave. The gateway transmits DMX packages in master mode and receives them in slave mode. Five different device variants enable use in almost all required scenarios. The device serves as a DMX gateway for KNX®- or EnOcean® systems but can also be operated as a standalone device – or be addressed directly, e.g. by your smartphone's browser. The professional configuration software not only enables the dimming of individual channels, but also the programming of complex sequences. The DUO**DMX** GATEWAY is highly suitable for subsequent installation as a device installed in the ceiling. A corresponding adapter is available for top hat rail installation.

FASCINATING TECHNOLOGY
ALL ADVANTAGES IN DETAIL

DUO

The DUO**DMX** GATEWAY has two DMX outputs which can be controlled independently. So one device can be used to control two rooms simultaneously and separately. As the device can be operated both as a DMX master and a DMX slave, the status information from the DMX environment are also available for building control.

PROFESSIONAL

In order to make quick progess during configuration, the professional DMX software "DMX-Configurator" is available to the DUO**DMX** GATEWAY. In addition to all the required DMX-specific settings, the software also includes a function which immediately makes configuration changes visible on the end devices. If desired, the configuration data can be easily transferred via the network.

DIMMER

Each DMX channel can be dimmed individually or switched. This means that the lighting atmosphere can be changed as desired at all times. Relative and absolute dimming are available.

SEQUENCER

The most important feature of the DUO**DMX** GATEWAY is its programmable sequences. The desired colour impressions are entered as sequences and can be accessed at all times by simply pressing a key - they run autonomously in the device.

FLEXIBLE

The different product variants mean that a solution is available for various requirements. No matter whether a KNX® or EnOcean® system – the gateway is cord connected or cordless. The design as a ceiling installation device with an optional top hat rail adapter enables both new installations and retrofitting.
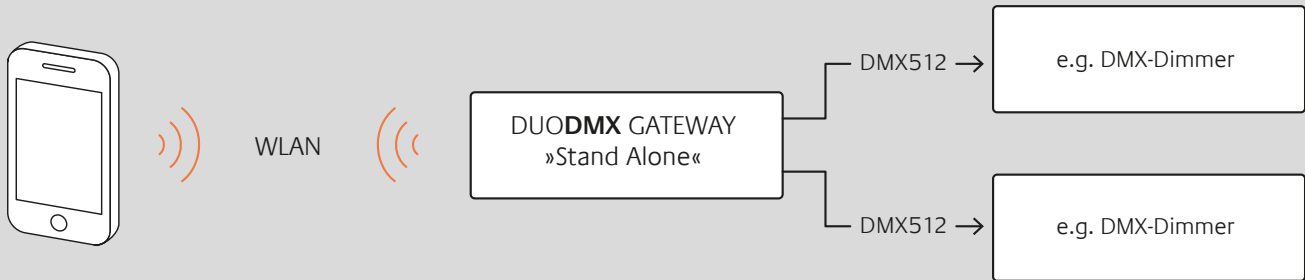
WLAN

Even if no network, KNX® or EnOcean® is available at the installation location, the device can be used. The gateway communicates via WLAN and is controlled directly by a smartphone application. As a standalone solution, the device is also attractive for conventional installations without building control.
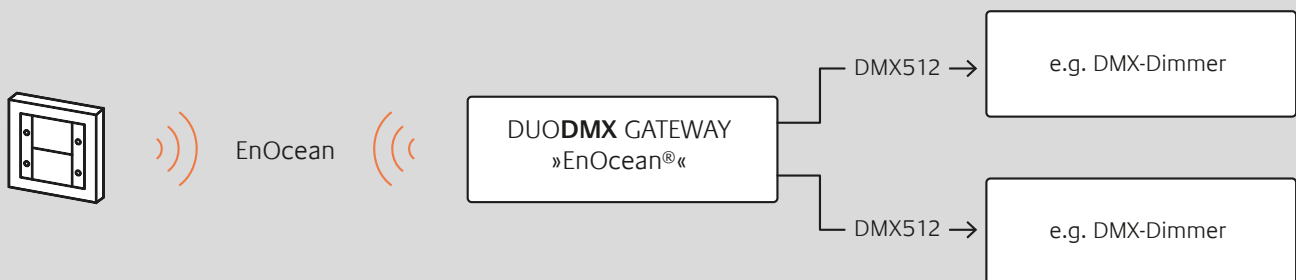
PRODUCT VARIANTS
THE DUO**DMX** GATEWAY IN USE

STANDALONE – TYPE 12040

WLAN

DUO**DMX** GATEWAY »Stand Alone«

DMX512 → e.g. DMX-Dimmer
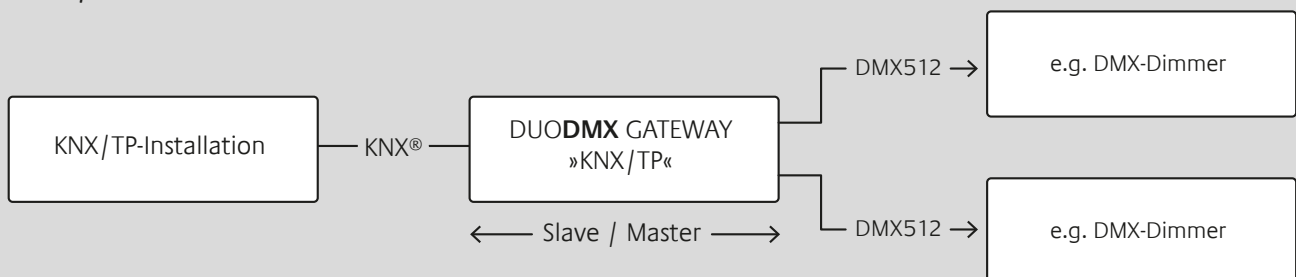
DMX512 → e.g. DMX-Dimmer

The smartphone and the DUO**DMX** GATEWAY log in to the local WLAN router. The smartphone application sends the control command to the gateway via WLAN. The control command is forwarded to the DMX dimmers.

ENOCEAN – TYPE 12030

EnOcean

DUO**DMX** GATEWAY »EnOcean®«

DMX512 → e.g. DMX-Dimmer

DMX512 → e.g. DMX-Dimmer

The DUO**DMX** GATEWAY is given the control command via "EnOcean® radio control". The EnOcean® signals are converted to DMX packages and forwarded to the DMX dimmers.
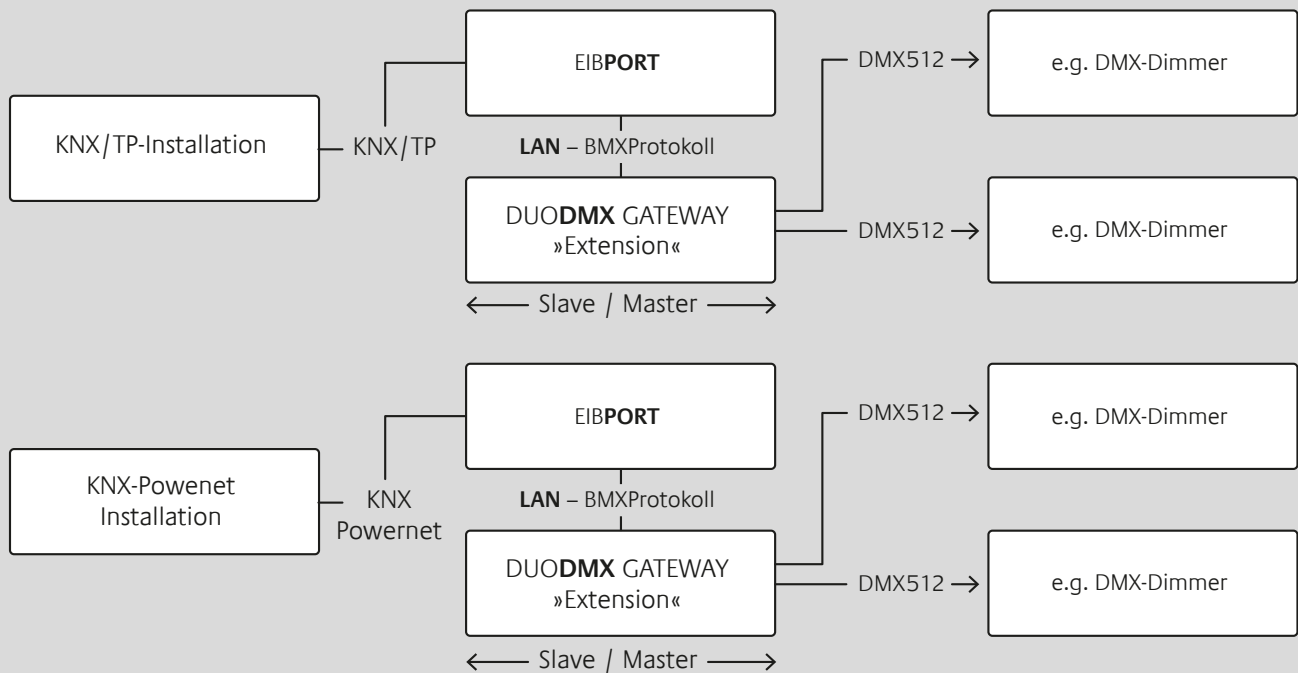
KNX/TP – TYPE 12020

KNX/TP-Installation

KNX®

DUO**DMX** GATEWAY »KNX/TP«

DMX512 → e.g. DMX-Dimmer

DMX512 → e.g. DMX-Dimmer

← Slave / Master →

The DUO**DMX** GATEWAY is connected to the KNX® bus (twisted pair) using a pluggable screw terminal. It therefore receives its commands directly via the KNX® bus and forwards them to the DMX dimmers as converted DMX packages.
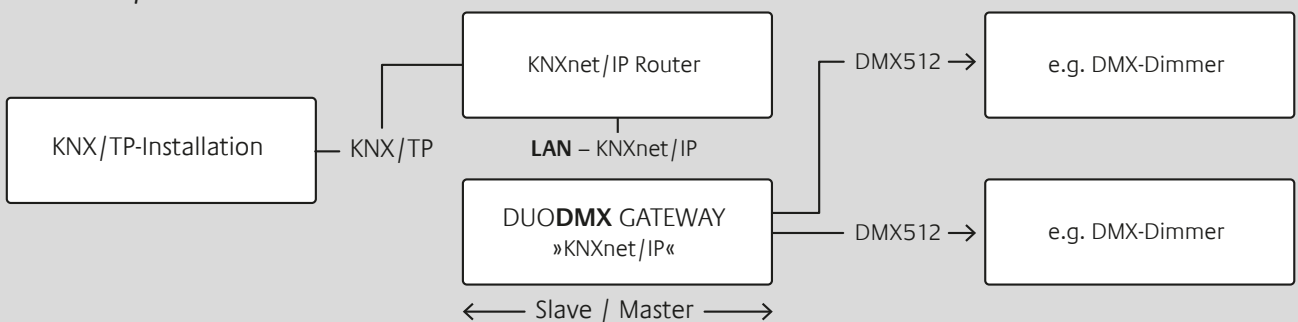
PRODUCT VARIANTS
THE DUO**DMX** GATEWAY IN USE

EXTENSION – TYPE 12000

| KNX/TP-Installation | — KNX/TP | EIB**PORT** | — DMX512 → | e.g. DMX-Dimmer |

LAN – BMXProtokoll

DUO**DMX** GATEWAY »Extension« — DMX512 → e.g. DMX-Dimmer

←— Slave / Master —→

EIB**PORT** — DMX512 → e.g. DMX-Dimmer

KNX-Powenet Installation — KNX Powernet

LAN – BMXProtokoll

DUO**DMX** GATEWAY »Extension« — DMX512 → e.g. DMX-Dimmer

←— Slave / Master —→

As an extension, the DUO**DMX** GATEWAY is provided with the control commands from the EIB**PORT** via the BMX protocol. As a result, the DMX packages for the dimmers are triggered.

KNXNET/IP – TYPE 12010

KNX/TP-Installation — KNX/TP

KNXnet/IP Router — DMX512 → e.g. DMX-Dimmer

LAN – KNXnet/IP

DUO**DMX** GATEWAY »KNXnet/IP« — DMX512 → e.g. DMX-Dimmer

←— Slave / Master —→

In this variant, the DUO**DMX** GATEWAY receives its control commands via KNXnet / IP routing. As a result, the DMX packages for the dimmers are triggered.

OVERVIEW
TECHNICAL DATA

- Operating voltage: 12–32 V DC
- Power input: <= 1.2 VA
- Connection: Power over Ethernet (PoE) or power supply via terminal
- Environmental conditions: EN 50090-2-2, Category 3K5
- Ambient temperature: –5 to +45°C
- Storage temperature: –10 to +60°C
- Relative humidity (non-condensing): < 95 % r. F.

Mechanical data:
- Installation: ceiling installation or via top hat rail adapter EN 50022 – 35 x 7.5
- Dimensions (W x H x D) in mm:
  without fastening lugs: 116 x 50 x 26
  with fastening lugs: 146 x 50 x 26
- Housing: plastic
- Weight: approx. 120g
- Protection class: IP20 (according to EN 60529)

Interfaces (model-dependent):
- KNX®: twisted pair via terminal (1.5 mm≤)
- Ethernet: RJ45 connection
- EnOcean®: external SMA antenna
- WLAN: 802.11 b (compatible with b/g/n)
- 2 x DMX 512: terminal (1.5 mm²)

Features:
- Power supply: PoE
- Programming: SD card / network
- Configuration: "DMX configurator" (professional DMX software)
- DMX: 2 x 512 channels
- External antenna: 2.50m cable, magnetic base and SMA plug.

System requirements (DMX configurator):
- Operating system: current Windows® desktop systems
- Communication: network interface
- Hard disk memory: 5 MB
- Optional: card reader device for SD cards

DUO
Two separate DMX outputs
DMX master or slave mode

DIMMER
Switch DMX channels directly
Change lighting atmosphere at any time
Absolute and relative dimming

PROFESSIONAL
Professional DMX software
Configuration via network Preview function

DUO**DMX** GATEWAY

SEQUENCER
Programmable sequences
Accessible at the press of a button
Speed of the scene progression can be varied

FLEXIBLE
KNX® or EnOcean®
Wireless or wired
New installation or retrofitting

WLAN
Stand alone solution
Extended installation scenarios

everywhere at home

BAB
TECHNOLOGIE

KNX

enocean