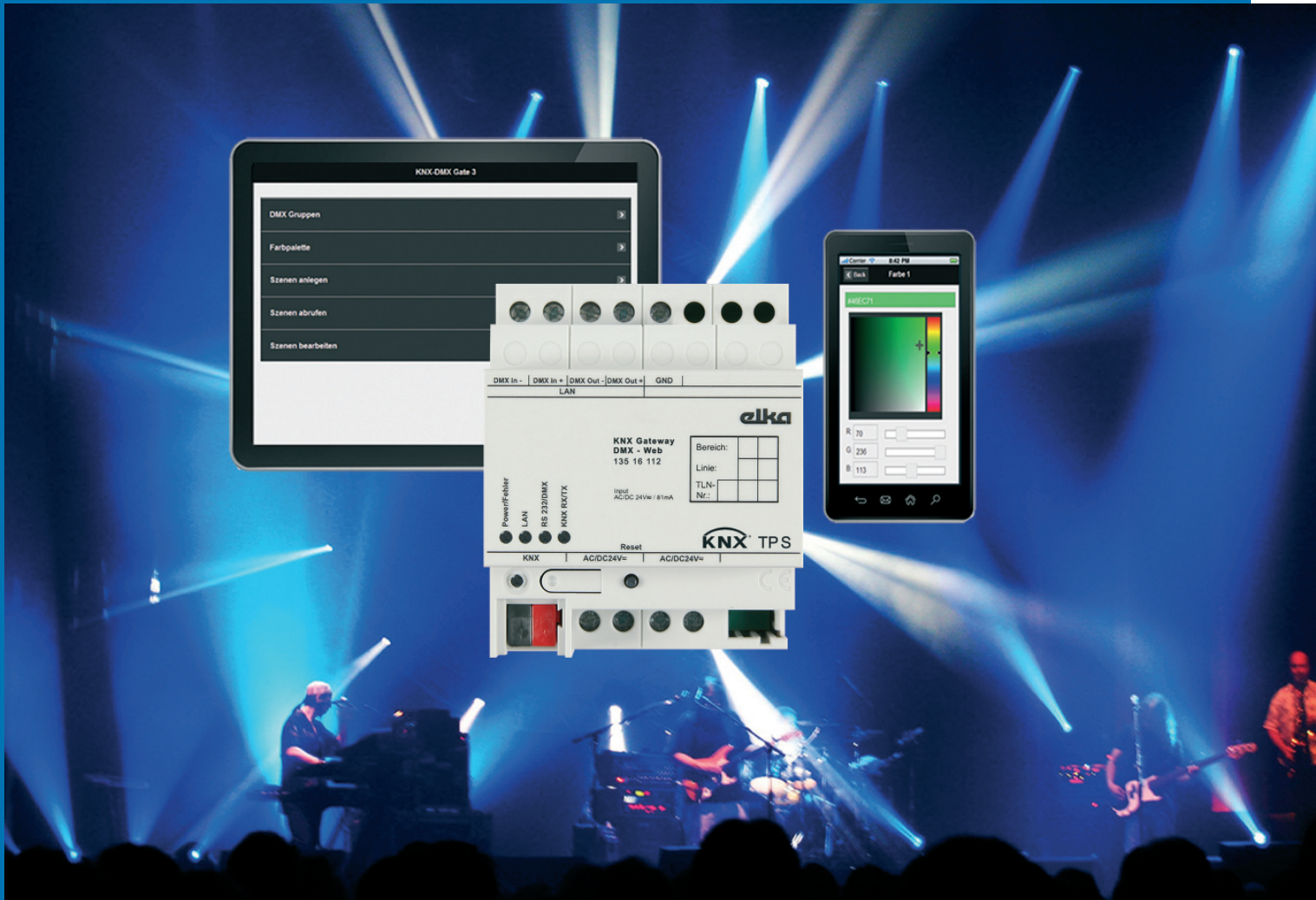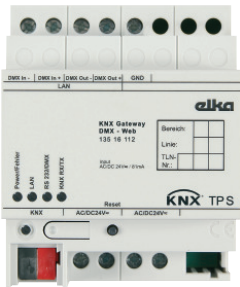# INSTA

genetic high efficiency

KNX GATEWAY DMX-WEB

metering

KNX Gateway DMX-Web

Intelligent system device, REG-type, for coupling of DMX512 systems to KNX. To this effect, the KNX Gateway DMX-Web is connected to the KNX and the DMX512-bus. The gateway requires AC/DC24 V supply voltage. For DMX multi master operation a DMX-merger is required.

Depending on the desired data direction, the KNX-Gate-way can be programmed either as DMX-Master or as DMX-Slave. For bidirectional data flow two gateways are needed.

⊕ Web-control
  Access by Smart Phone, Tablet or PC
  Colour setting by colour picker and colour palette
  Switching and dimming of DMX groups
  Scene processing
  Scene call-up

⊕ DMX Master
  Passing-on of telegrams from KNX to DMX
  Status information via response objects
  Parameterizable start value after restart

⊕ DMX Slave
  Passing-on of telegrams from DMX to KNX
  4 adjustable limit values for monitoring of DMX-channels
  Master dimming object for RGB and RGBW group control
  Dimming out of KNX via 1 Byte or 4 Bit
  Switch-on behaviour with jumping or dimming to DMX value
  Parameterizable dimming speed with large time range
  Allocation of several KNX group addresses per DMX channel
  Max. 2000 group addresses / max. 1024 objects
  Programming via Ethernet
  Firmware updates possible
  Configuration to be read out of the device
  Configuration can be synchronized with ETS4/ETS5

By means of the tool software DMX-Gate3 the gateway is configured and the connection between the DMX512 devices and the KNX group addresses is made.

Inadmissible telegram contents cannot be sent.

Programming is effected via Ethernet interface.

- Auxiliary supply:
  DC24 V ± 10 % or
  AC24 V ± 10 % 50-60 Hz
- Power consumption: max. 2 VA
- Connection screw terminals:
  single-wire: 0.50...4.0 mm²
  finely stranded without wire-end sleeve: 0.34...4.0 mm²
  finely stranded with wire-end sleeve: 0.14...2.5 mm²
- Connection KXN: Terminal block
- Supply voltage KNX:
  DC21 V...32 V SELV
- Power consumption KNX:
  typ. 150 mW
- Coupling to foreign systems:
  DMX In (screw terminals) or
  DMX Out (screw terminals)
  GND (screw terminals)
- Terminating resistance DMX:
  120 Ω (external)
- Programming:
  1 x Ethernet
  (RJ45,8/4-pole, 10 MBit/s)
- Temperature
  ambient: -5 °C to +45 °C
  storage/transport: -25 °C to +70 °C
- Protection type: IP 20 DIN 40050
- Housing: 4 TE (approx. 70 mm)
- Fastening: DIN-rail EN 50022

Despription	Type	Art.-No.
KNX Gateway DMX-Web	K-DMXGW.01	135 16 112
Power supply DC24 V (1 TE)	SV230-24.0400DC	140 01 913
Power supply AC24 V (4 TE)	SV230-24.1AC	110 01 924

Toolsoftware KNX-Gate3

The KNX Gateway DMX-Web is programmed by means of the freely available configuration software DMX-Gate3. Group addresses of ETS can be imported into DMX-Gate3 by csv- or xml-file or are entered into the tool manually. The DMX-Gate3 supports all group address formats of ETS.

For faster configuration DMX-Gate3 offers both separate configuration of KNX objects and pre-defined RGB and/or RGBW modules. In this case the required communication objects for the DMX channels are created automatically.
For more clarity, the individual channels can be renamed project-specifically.

Via a master dimming object (1Bit, 4Bit or 1Byte) all DMX channels assigned to the group can be dimmed by percentage with only one KNX group address (brightness control).
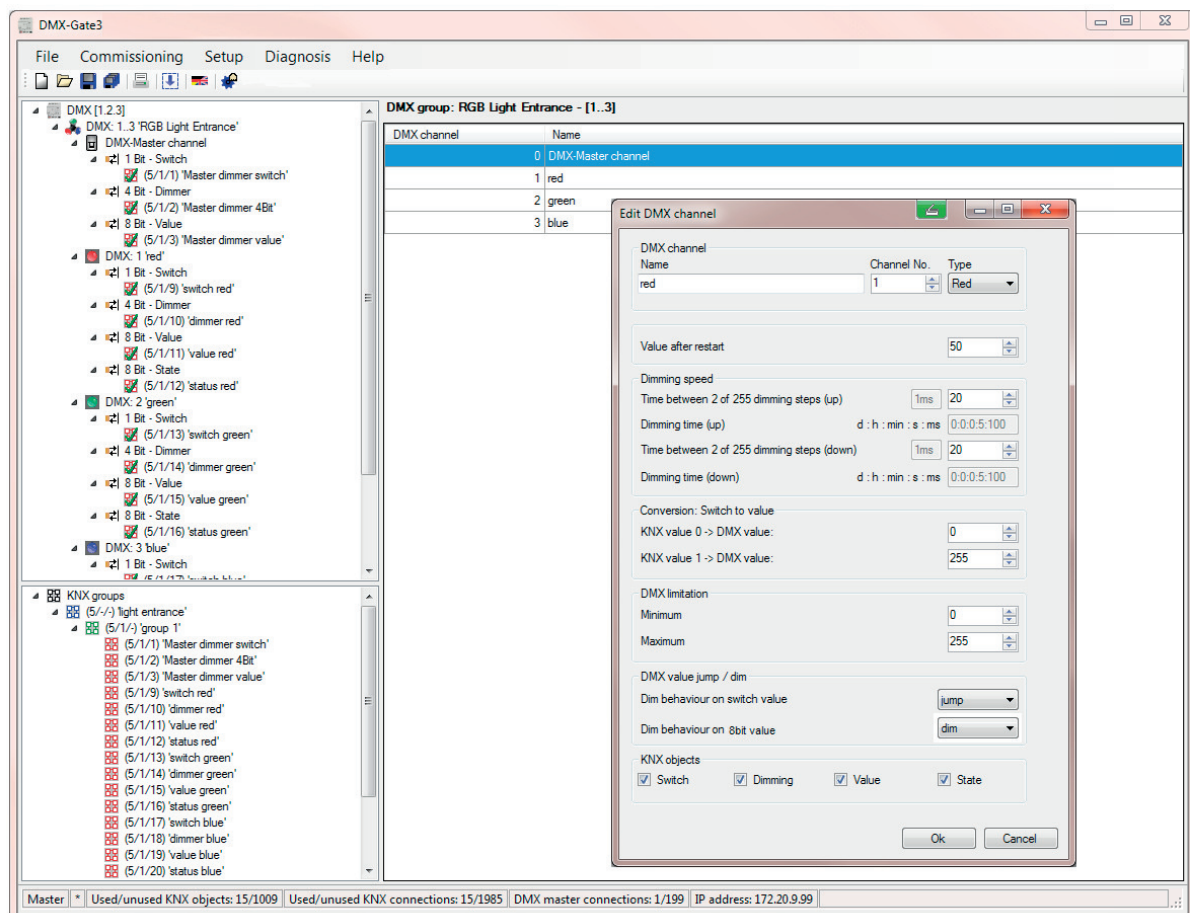
The dimming speed can be configured.
In master operation a KNX status response object can be configured.
The DMX-Gate3 supports reading out of already configured DMX-Web Gateways and programming of the physical address.

For the ETS4/5 a plug-in is available which can be synchronized with the DMX-Gate3 project.

The tool software DMX-Gate3 is available in German and English language and can be downloaded free-of-charge at www.elka.de.

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