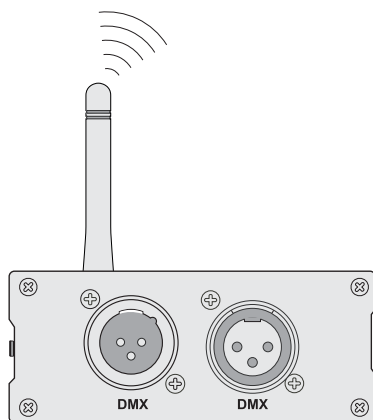eurolite®

QuickDMX
WIRELESS TRANSMITTER/RECEIVER

BEDIENUNGSANLEITUNG
USER MANUAL

QuickDMX

WIRELESS TRANSMITTER/RECEIVER

Kompaktes DMX-Funksystem 2,4 GHz

- Kompakter DMX-Funksender/-empfänger zur drahtlosen Übertragung von bis zu 512 DMX-Kanälen
- DMX-Ein- und Ausgang, 3-pol. XLR
- Automatische Umschaltung zwischen Sender- und Empfängerbetrieb
- Mit Drahtlos-DMX entfällt die aufwändige Verkabelung zwischen DMX-Controller und den DMX-gesteuerten Geräten in Lichtanlagen
- Durch GFSK-Modulation mit 78 Kanälen störungsfreier Betrieb auch neben weiteren QuickDMX-Sendern und anderen Drahtlos-Geräten im 2,4-GHz-Band (wie z. B. W-LAN und Bluetooth)
- Reichweite bis 400 m (bei Sichtkontakt)
- Gleichzeitiger Betrieb von bis zu 6 Sendern, dadurch Steuerung von 3072 DMX-Kanälen (6 DMX-Universen) möglich
- Pro Sender können 1 bis 512 QuickDMX-Empfänger bedient werden
- Plug & Play: Einfache und schnelle Inbetriebnahme mit einem Taster zum Verbinden/Trennen von QuickDMX-Geräten
- 2,4 GHz ISM-Band - weltweit anmelde- und gebührenfrei

Compact Wireless DMX System 2.4 GHz

- *Compact DMX transmitter/receiver for the wireless transmission of up to 512 DMX channels*
- *DMX input and output, 3-pin XLR*
- *Auto-switching transceiver*
- *Wireless DMX eliminates extensive cabling between DMX controller and the DMX-controlled units in lighting installations*
- *Due to GFSK modulation with 78 channels, interference-free operation also alongside other QuickDMX transmitters and wireless devices in the 2.4 GHz band (e.g. Wi-Fi and Bluetooth)*
- *Operating range up to 400 m (with line-of-sight)*
- *Simultaneous operation of up to 6 transmitters, thus control of 3072 DMX channels (6 DMX universes) possible*
- *1 to 512 QuickDMX receivers can be controlled by each transmitter*
- *Plug & Play: quick and easy setup with one operating button for connecting/disconnecting QuickDMX units*
- *2.4 GHz ISM band - license-free worldwide*

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» **Diese Bedienungsanleitung gilt für die Artikelnummer:/**
This user manual is valid for the article: 70064703

1
INTRODUCTION

Thank you for having chosen a EUROLITE product. If you follow the instructions given in this manual, we are sure that you will enjoy this device for a long period of time. Please keep this manual for further needs.

⚠️ **CAUTION!**
Keep this device away from rain and moisture!

» **For your own safety, please read this user manual carefully before your initial start-up.**

🖱 **You can find the latest update of this user manual online: www.eurolite.de**

Every person involved with the installation, operation and maintenance of this device has to
- be qualified
- follow the instructions of this manual
- consider this manual to be part of the total product
- keep this manual for the entire service life of the product
- pass this manual on to every further owner or user of the product
- download the latest version of the user manual from the Internet

Delivery Includes

1	QuickDMX Wireless transmitter/receiver
1	Power supply unit
1	USB cable
1	User manual

2
SAFETY INSTRUCTIONS

⚠️ **CAUTION!**
Be careful with your operations. With a dangerous voltage you can suffer a dangerous electric shock when touching the wires!

Damages caused by the disregard of this user manual are not subject to warranty. The dealer will not accept liability for any resulting defects or problems.

This device has left our premises in absolutely perfect condition. In order to maintain this condition and to ensure a safe operation, it is absolutely necessary for the user to follow the safety instructions and warning notes written in this user manual.

Please make sure that there are no obvious transport damages. Should you notice any damages on the power unit or on the casing, do not take the device into operation and immediately consult your local dealer.

The transceiver falls under protection-class III. To reduce the risk of electric shock, do not open any part of the product. Only connect the product to a proper wall socket that complies with the product specification voltage. The mains outlet must be easily accessible so that you can unplug the device quickly if need be. Run the mains cable in such a way that it cannot be tripped over.

If the device has been exposed to drastic temperature fluctuation (e.g. after transportation), do not switch it on immediately. The arising condensation water might damage your device. Leave the device switched off until it has reached room temperature.

Keep away children and amateurs!

3
OPERATING DETERMINATIONS

The QuickDMX transmitter/receiver serves for wireless transmission of DMX512 signals in lighting installations. The unit is designed as transceiver with DMX input and output, i.e. it can be used as transmitter and receiver as desired. QuickDMX units eliminate extensive cabling between the DMX controller and the DMX-controlled units.

The GFSK (Gaussian Frequency Shift Keying) modulation allows for interference-free operation alongside other wireless devices in the 2.4 GHz band (e.g. Wi-Fi and Bluetooth). When transmitting, the system will alternate between 78 frequencies of the 2.4 GHz range and skip any frequencies already used by other units.

A single transmitter transmits all 512 DMX channels to a maximum of 512 receivers. It is possible to operate 6 transmitters at the same time in order to control a total of 3072 DMX channels. The maximum range is 400 m. The system operates in the ISM band in the 2.4 GHz range and is license-free and generally approved in EU and EFTA countries.

The unit requires an operating voltage of 5 V direct current supplied via the included power unit. The unit was designed for indoor use only.

The ambient temperature must always be between -5° C and +45° C. Keep away from direct insulation (particularly in cars) and heaters. The relative humidity must not exceed 100 % with an ambient temperature of 25° C. This device must only be operated in an altitude between -20 and 2000 m over NN.

Avoid brute for during installation. There should not be any cables lying around. You endanger your own and the safety of others! Please consider that unauthorized modifications on the device are forbidden due to safety reasons! If this device will be operated in any way different to the one described in this manual, the product may suffer damages and the guarantee becomes void. Furthermore, any other operation may lead to dangers like short-circuit, burns, electric shock etc.

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OPERATING ELEMENTS & CONNECTIONS
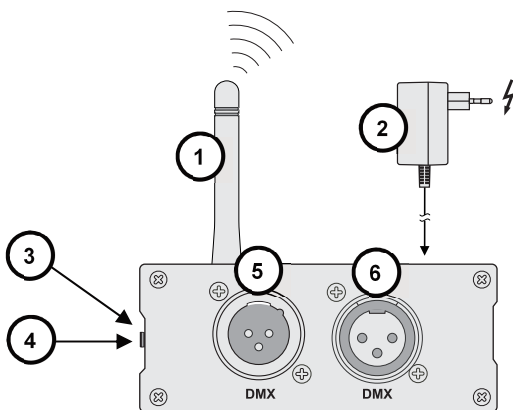
1	**Antenna**
2	**Power input**
3	**Status indicator** • Lights permanently red at the transmitter when a DMX signal is being transmitted. • Flashes green at the receiver when a DMX signal is being received. • Shortly flashes red, green and blue after connecting the power supply.
4	**Button** To change the transmission channel and pair the devices.
5	**DMX512 input** 3-pin XLR mounting plug for connecting a DMX lighting controller.
6	**DMX512 output** 3-pin XLR mounting jack for connecting DMX-controlled fixtures such as LED spot lights and moving heads.

5
SETUP

1   Screw on the antenna provided to the antenna input and put it in a vertical position.

2   Connect the transmitter to the DMX controller and the receiver to the DMX input of the first DMX-controlled unit in the chain. Connect a 120 Ω terminating plug to the DMX output of the last DMX unit in the chain. Alternatively, provide each DMX-controlled unit with its individual receiver to avoid cabling between the DMX units.

3   Set each transmitter and receiver into operation by connecting its power unit to the power input and the mains plug to a mains outlet (100-240 V~, 50/60 Hz).

    The status indicator shortly flashes red, green and blue. Afterward, it lights permanently according to the selected transmission channel.

4   Set each transmitter and receiver to the same transmission channel by pressing the side button on the devices.

    The selected transmission channel is indicated by the status indicator.

Channel	Color
1	Red
2	Green
3	Blue
4	Yellow
5	Turquoise
6	Purple

    Thus, the wireless DMX network is set up and the receivers are paired to the transmitter. The assignment of the receivers to the transmitter is kept memorized even after disconnecting the power supply.

5   As soon as the transmitter receives a DMX signal, the status indicator switches to red. Shortly afterward, the status indicators of the receivers start flashing green to indicate that the DMX signal is being received. The DMX-controlled units can now be controlled via radio.

6   After the operation, disconnect the mains plug of the power supply unit from the mains outlet, to prevent unnecessary power consumption.

6
USE

Several receivers may be assigned to a transmitter. It is possible to operate a maximum of 512 receivers.

Transmission 1:1

The DMX signal is fed to a transmitter which sends it via RF. A receiver with the same transmission channel receives the RF signal and distributes it as a DMX signal.

Transmission 1:Many
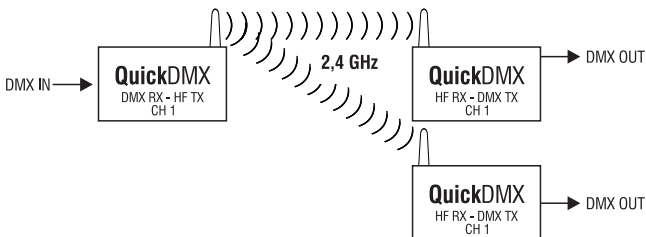
The DMX signal is fed to a transmitter which sends it via RF. Several receivers with the same transmission channel receive the RF signal and distribute it as a DMX signal.

Parallel Transmission
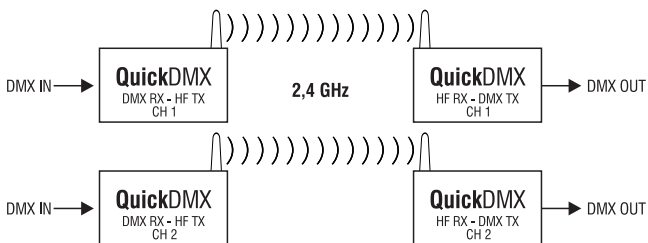
It is possible to operate 6 wireless DMX networks with 6 transmitters in parallel without mutual interference by adjusting them to different transmission channels. The wireless DMX networks operate independent of each other in 1:1 or 1:many transmission mode.

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CLEANING AND MAINTENANCE

DANGER TO LIFE!
Disconnect from mains before starting maintenance operation!

We recommend a frequent cleaning of the device. Please use a moist, lint-free cloth. Never use alcohol or solvents! There are no serviceable parts inside the device. Should you have further questions, please contact your dealer.

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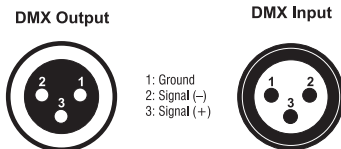
DISPOSAL OF OLD EQUIPMENT

When to be definitively put out of operation, take the product to a local recycling plant for a disposal which is not harmful to the environment. Devices marked with this symbol must not be disposed of as household waste. Contact your retailer or local authorities for more information. Remove any inserted batteries and dispose of them separately from the product.

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TECHNICAL SPECIFICATIONS

QuickDMX Wireless transmitter/receiver	
Power supply:	5 V DC, 500 mA via included power unit connected to 100-240 V~, 50/60 Hz
Carrier frequency:	2.4 GHz ISM band, 78 channels
Modulation:	GFSK
Coverage:	400 m (line-of-sight)
RF power output:	19 dBm
Parallel operation:	max. 6 transmitters
DMX connector:	3-pin XLR mounting socket and 3-pin XLR mounting plug
DMX channels:	1 universe (512 channels)
Dimensions with antenna:	212 x 75 x 100 mm
Weight:	220 g

Pin Connection

DMX Output

DMX Input

2 1
3

1: Ground
2: Signal (–)
3: Signal (+)

1 2
3

NOTES

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Technische Änderungen ohne vorherige Ankündigung und Irrtum vorbehalten.
Every information is subject to change without prior notice.

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