BOTEX
STAGE TECHNOLOGY

WDMX TRX

Quick start guide

This document contains important information on the safe use of the product. Read and follow the safety instructions and all other instructions. Keep the document for future reference. If you pass the product on to others, please include this document. Contents are subject to change. Please refer to the latest version of the documentation, which is available for download at *www.thomann.de*.

Safety instructions

Intended use

This device is intended for the wireless transmission of DMX signals in lighting systems. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damage resulting from improper use.

This device may be used only by persons with sufficient physical, sensory, and intellectual abilities and the necessary knowledge and experience. Other persons may use this device only if they are supervised or instructed by a person who is responsible for their safety.

Risk of injury and choking hazard for children!

Children can suffocate on packaging material and small parts. Children can injure themselves when handling the device. Never allow children to play with the packaging material and the device. Always store packaging material out of the reach of babies and small children. Always dispose of packaging material properly when it is not in use. Never allow children to use the device without supervision. Keep small parts away from children and make sure that the device does not shed any small parts (such as knobs) that children could play with.

Risk of death from electrical current!

The device contains parts where high voltage is present. Never remove any covers. There are no user-serviceable parts inside the device. Do not use the device if covers, safety equipment or optical components are missing or damaged.

Risk of death from electrical current!

A short circuit can cause fires and loss of life. Always use a properly insulated, triple-core mains cable. Do not modify the mains cable. If the insulation is damaged, immediately switch off the power supply and have it repaired. If in doubt, contact a qualified electrician.

Risk of injury from falling devices that were inadequately secured!

If devices are not properly secured during their installation, they can cause severe injury and considerable damage by falling. Make sure that the standards and regulations that apply in your country are always observed during installation and operation. Always secure the device with a secondary safety attachment, such as a safety cable or a safety chain.

Interference with neighbouring electrical receivers due to electromagnetic field!

The device emits an electromagnetic field during operation. Using the device near receiver devices (e.g. radios or TV sets) may cause interference. If the device interferes with neighbouring receivers during operation, increase the distance between the device and the receivers with interference.

Radio interference due to electromagnetic fields!

The device emits electromagnetic radio signals. Overlapping radio waves can cause interference with the device and other devices. Do not use the device in locations where the use of wireless devices is prohibited.

Possible staining due to plasticiser in rubber feet!

The plasticiser contained in the rubber feet of this product may react with the coating of the floor and cause permanent dark stains after some time. If necessary, use a suitable mat or felt slide to prevent direct contact between the device's rubber feet and the floor.

Damage to the device if operated in unsuitable ambient conditions!

The device can be damaged if it is operated in unsuitable ambient conditions. Only operate the device indoors within the ambient conditions specified in the "Technical specifications". Avoid operating it in environments with direct sunlight, heavy dirt and strong vibrations. Avoid operating it in environments with strong temperature fluctuations. If temperature fluctuations cannot be avoided (for example after transport in low outside temperatures), do not switch on the device immediately. Never subject the device to liquids or moisture. Never move the device to another location while it is in operation. In environments with increased dirt levels (for example due to dust, smoke, nicotine or mist): Have the device cleaned by qualified specialists at regular intervals to prevent damage due to overheating and other malfunctions.

General handling

- To prevent damage, never exert force while operating the device.
- Never immerse the device in water. Wipe only with a clean and dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents
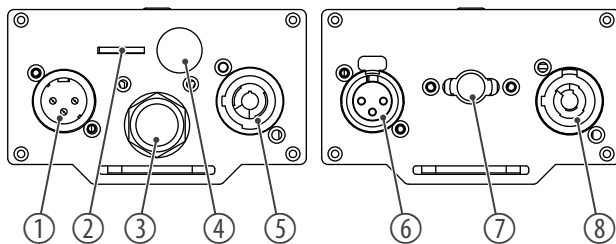
Keep the device away from impurities!

Keep the device away containers with liquid. Should liquid enter the device, this could lead to its destruction or fire. Ensure that no metallic parts enter the device.
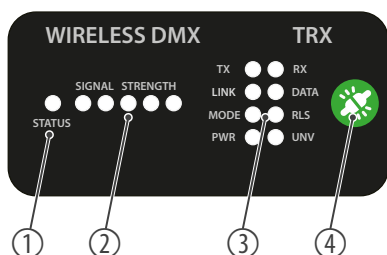
Features

- Indoor WDMX Transceiver / Wireless DMX module (compatible with the wireless solution)
- Light and compact design
- Can be configured as a transmitter and receiver
- Flexible assembly on truss with M10 thread, omega bracket and velcro
- Latency-free wireless transmission of DMX signals up to 400 m

- High reliability
- Easy and simple operation
- Power supply: Seetronic Power Twist input/output
- DMX input/output: Seetronic XLR panel socket, 3-pin
- RDM
- IP20

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WDMX TRX

Connections and controls

1. *[DMX IN]* | XLR panel socket, 3-pin
2. Mounting of fuse wire
3. Antenna
4. Fuse
5. *[POWER IN]* | Power Twist input
6. *[DMX OUT]* | XLR panel socket, 3-pin
7. Quick-locking mechanism
8. *[POWER OUT]* | Power Twist output

1. *[STATUS]* | Indicator LED
   Lights up if there is a connection.
2. *[SIGNAL STRENGTH]* | Indicator LEDs
   Depending on whether the device is oper-
   ating as a transmitter or receiver:
   Transmitter: Indicates the set transmission
   power.
   Receiver: Indicates the quality of the
   received signal.
3. Indicator LEDs
   [TX] | Device is operating as a transmitter.
   [RX] | Device is operating as a receiver.

[LINK] | Device is operating as a **transmitter**:
On: Device is ready to establish a connection.
Device is operating as a **receiver**:
Off: Device is not connected to a receiver.
On: Device is connected to a receiver.
Flashing: Device is paired with a receiver,
but there is no connection.
[DATA] | *Off*: No data transmission.
Lights up green: DMX data in use.
Lights up red: RDM data in use.
[MODE] | Indicates radio mode.
[RLS] | Flashes when the connection is broken.
[UNV] | No function
[PWR] | Lights up when the device is on

4. Connect button

Operation

Connecting the device (only as transmitter)
1. Briefly press the connect button.
   ⇨ The *[LINK]* LED flashes.
   ⇨ The device connects to all receivers that are ready for connection.

Breaking the connection
1. Hold down the connect button for 3 seconds.
   ⇨ The *[RLS]* LED flashes.
   ⇨ The connection is broken.

Switching the device between receiver (RX) and transmitter (TX)
1. Hold down the connect button and turn on the device to access the select mode.
   ⇨ The *[STATUS]* lights up.
2. Press the connect button to switch between RX and TX.
   ⇨ The selection is indicated by flashing of the relevant LED.
3. Hold down the connect button for 3 seconds to confirm the selection.
   ⇨ The *[STATUS]* goes out.

Technical specifications

Number of DMX channels		512	Supply voltage		100 - 240 V ~ 50/60 Hz
Input connections	Power supply	Lockable input socket (Power Twist)	International Protection Rating		IP20
	DMX control	1 × XLR panel socket, 3-pin	Mounting options		Hanging, standing
Output connections	Power supply	Lockable output socket (Power Twist)	Installation properties		Omega bracket with M10 thread
	DMX control	1 × XLR panel socket, 3-pin	Dimensions (W × H × D), with antenna		155 mm × 103 mm × 61 mm
Frequency range		2.4 GHz...5.8 GHz	Weight		0.8 kg
W-DMX	Max. transmission power	20 dBm	Ambient conditions	Temperature range	0 °C...40 °C
	Max. range	400 m without obstacles		Relative humidity	20%...80% (non-condensing)
Power consumption		100 mW...450 mW			