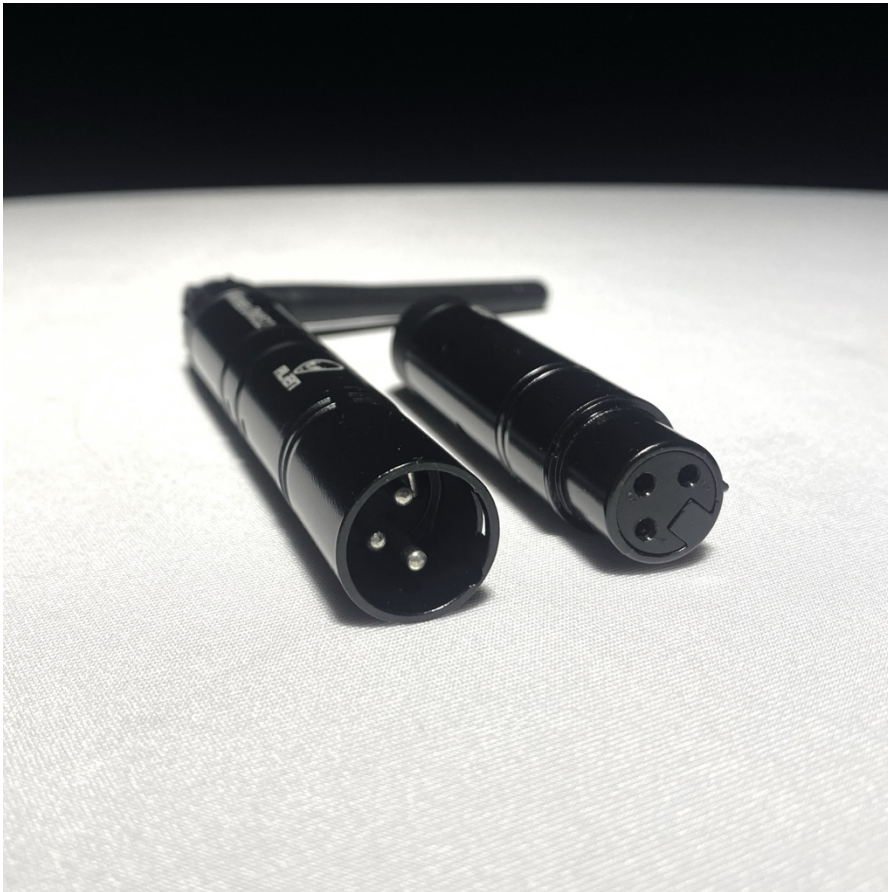


## Wireless DMX transmitter and receiver (no battery)



### General Information

This user manual contains important information on the safe operation of the device.

Read and follow all safety notes and all instructions. Save this manual for future reference. Make sure that it is available to all persons using this device. If you sell the device to another user, be sure that they also receive this manual.

Our products and user manuals are subject to a process of continuous development. We therefore reserve the right to make changes without notice.

Please refer to the latest version of the user manual which is ready for download at our website: [www.smokeandmirrors.dk](http://www.smokeandmirrors.dk).

At our website you will also find online guides and relevant contact information for help and support, should you have any questions or concerns regarding your new device.

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### Unpacking

Thank you for purchasing the Wireless DMX.

Every product has been thoroughly tested and has been shipped in perfect operating condition.

Carefully check the shipping carton for damage that may have occurred during shipping.

If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact.

In the case damage has been found or parts are missing, please contact Smoke & Mirrors for further instructions.

### Product Introduction

To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit.

These instructions contain important safety information regarding the use and maintenance of this unit.

Please keep this manual with the unit, for future reference.

### Warning!

To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

### Caution!

There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your warranty.

In the unlikely event your unit may require service please contact your reseller.

**PLEASE** recycle the shipping packaging whenever possible. **Thanks!**

### Features

DMX512 wireless transmitter/receiver transmits standard DMX512 protocol data wireless.

There is no delay when signal is transmitted, and the signal data is real time and reliable.

The product adopts a 2.4G ISM frequency section, highly effective GFSK modulate communication design, automatic frequency jumping, and high anti-jamming ability.

## Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow at least about 20 cm. between this device and a wall.
- Do not attempt to operate this unit if it becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning: The fixture should be cleaned only as recommended in this user manual.
- Heat: The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- The fixture should be serviced by qualified service personnel when:

- a) The power-supply cord or the plug has been damaged.
- b) Objects have fallen, or liquid has been spilled into the appliance.
- c) The appliance has been exposed to rain or water.
- d) The appliance does not appear to operate normally or exhibits a marked change in performance.

## DMX SETUP

### DMX-512

DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

### DMX Linking

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant.

The order in which fixtures are connected in a DMX chain does not influence the DMX addressing.

For example, a fixture assigned a DMX address of 1 may be placed anywhere in a DMX chain, at the beginning, at the end, or anywhere in the middle.

When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

## Operating instructions

The units operate with 7 difference frequencies which are visualized in 7 different colors:

1. RED
2. GREEN
3. YELLOW
4. BLUE
5. PINK
6. CYAN
7. WHITE

In order to establish communication between the transmitter and the receiver(s), they need to be operating on the same frequency (color).

To change the color (frequency) press the switch on the side of the unit. If necessary, use a toothpick or similar to press the small switch. Press again until the desired color is obtained.

On the *receivers* it is possible to screw of the plastic top to have better view to the color diodes.

On the *transmitter*, the external antenna can be rotated and disassembled. Please ensure that the antenna is firmly connected when using the unit.

### Operation signals TRANSMITTER

Constant light in selected color: Power is on but no signal

RED light flashing: Transmitting DMX signal

### Operation signals RECEIVER

Constant light in selected color: Power is on but no signal

GREEN light flashing: Receiving DMX signal

## Specifications

- 2.4G wireless DMX512 T/R.
- 126 channels automatic jumping frequency and high anti-jamming ability to ensure reliable operation.
- 7 groups ID codes allows for the use of up to 7 individual wireless universes at the same time without interference.
- Communication distance: 400 m (visual distance).
- Maximum transmitting power rate: 20 dBm
- Input voltage: 5VDC 500mA MIN.
- Work frequency section: 2.4G ISM, 126 channels.

**Please note:** Specifications and improvement in the design of this unit and this manual are subject to change without any prior written notice.