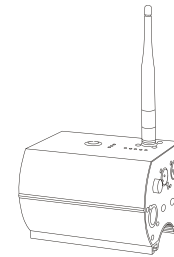


# WIRELESS CONTROLLER



LIGHTING



## USER MANUAL

VER: 2.0

For your own safety, please read this user manual carefully before you initially start-up.

Power on, press FUNCTION button, the DMX indicator changes, it is a transmitter; otherwise it is a receiver.

## CLEANING AND MAINTENANCE

The operator has to make sure that an expert inspects safety-relating and machine-technical installations after every four years in the course of an acceptance test.

The operator has to make sure that a skilled person inspects safety-relating and machine-technical installations once a year.

The following points have to be considered during the inspection:

1) All screws used for installing the devices or parts of the device have to be tightly connected and must not be corroded.

2) There must not be any deformations on housings, fixations and installation spots (ceiling, suspension, trussing).

3) The electric power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.



## DANGER TO LIFE!

Disconnect from mains before starting maintenance operation!



## CAUTION!

The lenses have to be replaced when they are obviously damaged, so that their function is impaired, e.g. due to cracks or deep scratches!

The interior of the device should be cleaned at least annually using a vacuum cleaner or an air-jet.

There are no serviceable parts inside the device except for the fuse.

Maintenance and service operations are only to be carried out by authorized dealers.

## TECHNICAL SPECIFICATIONS

Voltage: 110/230V 50/60Hz Power: 10W.

Wireless: 2.4G

Weight: 1KG

Dimensions: 135x122x97mm.

List: Wireless DMX controller, power cord, C-fixing part.

Please note: Every information is subject to change without prior notice. 2024/3/26©



## CAUTION!

Keep this device away from rain and moisture!  
Unplug mains lead before opening the housing!

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

## INTRODUCTION

Thank you for having chosen this item. If you follow the instructions given in this manual, we are sure that you will enjoy this device for a long period of time

Unpack it.

Before you initially start-up, please make sure that there are no transport damages. Should there be any, do not take the device into operation and immediately consult your dealer.

## SAFETY INSTRUCTIONS



## CAUTION!

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

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.



### Important:

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.

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.

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

This device falls under protection-class I. The power plug must only be plugged into a protection class I outlet. The voltage and frequency must exactly be the same as stated on the device. Wrong voltages or power outlets can lead to the destruction of the device and to mortal electrical shock.

Always plug in the power plug last. The power plug must always be inserted without force. Make sure that the plug is tightly connected with the outlet.

Never let the power-cord come into contact with other cables! Handle the power-cord and all connections with the mains with particular caution! Never touch them with wet hands, as this could lead to mortal electrical shock.

Never modify, bend, strain mechanically, put pressure on, pull or heat up the power cord. Never operate next to sources of heat or cold. Disregard can lead to power cord damages, fire or mortal electrical shock.

The cable insert or the female part in the device must never be strained. There must always be sufficient cable to the device. Otherwise, the cable may be damaged which may lead to mortal damage.

Make sure that the power-cord is never crimped or damaged by sharp edges. Check the device and the power-cord from time to time.

If extension cords are used, make sure that the core diameter is sufficient for the required power consumption of the device. All warnings concerning the power cords are also valid for possible extension cords.

Always disconnect from the mains, when the device is not in use or before cleaning it. Only handle the power-cord by the plug. Never pull out the plug by tugging the power-cord. Otherwise, the cable or plug can be damaged leading to mortal electrical shock. If the power plug or the power switch is not accessible, the device must be disconnected via the mains.


If the power plug or the device is dusty, the device must be taken out of operation, disconnected and then be cleaned with a dry cloth. Dust can reduce the insulation that may lead to mortal electrical shock. More severe dirt in and at the device should only be removed by a specialist.

There must never enter any liquid into power outlets, extension cords or any holes in the housing of the device. If you suppose that also a minimal amount of liquid may have entered the device, it must immediately be disconnected. This is also valid, if the device was exposed to high humidity. Also if the device is still running, the device must be checked by

### Connection with the mains

Connect the device to the mains with the enclosed power supply cable.

**The occupation of the connection-cables is as follows:**

Cable	Pin	International
Brown	Live	L
Blue	Neutral	N
Yellow/ Green	Earth	

The earth has to be connected!

If the device will be directly connected with the local power supply network, a disconnection switch with a minimum opening of 3 mm at every pole has to be included in the permanent electrical installation.

### Setting Up:

1 One transmitter, multi receivers

All turn power don,all DMX indicator should be off(If some DMX indicator is on or flash,press&hold FUNCTION button until it gets off);then press the transmitter s FUNCTION button, all the receivers will flash fast; then all get matched.

2 Multi transmitter, multi receivers (e.g. 3 pairs transmitter & receiver named A B C)

1) All get power off.

2) A pair gets power on, then follow the step 1 to get them matched.

3) B pair gets power on, then follow the step 1 to get them matched.

4) C pair does the same.

### Disconnect the wireless transmitter

1 Press and hold the transmitter's FUNCTION button for 6s, transmitter disconnects with all receivers. The DMX indicators on receivers will be off.

2 Press and hold the receiver's FUNCTION button for 5s, this receiver will disconnect with the transmitter, its DMX indicator will be off.

### Transmitter Setting Up :

Change protocol from the link switch

By pressing the link switch shortly 3 times, and then press-and-hold the button for at least 3 seconds enters TX/RX mode selection.

The STATUS LED will blink in different patterns to indicate the currently selected protocol.

Press link switch momentarily to toggle mode, press-and-hold the link switch for at least 3 seconds to store the selection.

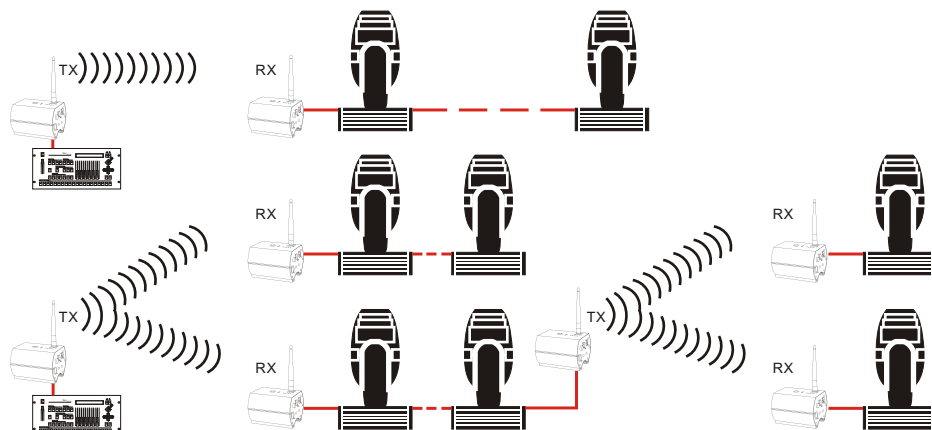
1 One flash, then a pause: W-DMX G3 selected.

2 Two flashes, then a pause: W-DMX G4S selected.

3 Three flashes, then a pause: CRMX selected.

### Fast way to defined a transmitter or receiver:

## DMX-512 connection / connection between fixtures

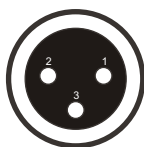


The wires must not come into contact with each other, otherwise the fixtures will not work at all, or will not work properly.

Only use a stereo-shielded cable and 3-pin or 5-pin XLR-plugs and connectors in order to connect the controller with the fixture or one fixture with another.

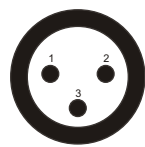
### Occupation of the XLR-connection:

DMX-output  
XLR mounting-socket:



1:Ground  
2:Signal(-)  
3:Signal(+)

DMX-input  
XLR mounting-plug:



If you are using controllers with this occupation, you can connect the DMX-output of the controller directly with the DMX-input of the first fixture in the DMX-chain.

### Building a serial DMX-chain:

Connect the DMX-output of the first fixture in the DMX-chain with the DMX-input of the next fixture. Always connect one output with the input of the next fixture until all fixtures are connected.

**Caution:** At the last fixture, the DMX-cable has to be terminated with a terminator. Solder a 120  $\Omega$  resistor between Signal (-) and Signal (+) into a 3-pin XLR-plug and plug it in the DMX-output of the last fixture.

a specialist if the liquid has reduced any insulation. Reduced insulation can cause mortal electrical shock.

There must never be any objects entering into the device. This is especially valid for metal parts. If any metal parts like staples or coarse metal chips enter into the device, the device must be taken out of operation and disconnected immediately. Malfunction or short-circuits caused by metal parts may cause mortal injuries.

During the initial start-up some smoke or smell may arise. This is a normal process and does not necessarily mean that the device is defective.

**Caution:** During the operation, the housing may become very hot.

**Danger of burning!** Never install the device on normally flammable surfaces!



## DANGER OF BURNING!

Never touch the device during the operation! The housing heats up to the housing temperature  $T_B$ .

Do not switch the device on and off in short intervals as this would reduce the lamp's life.



## HEALTH HAZARD!

Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics) !

Keep away children and amateurs!

Never leave this device running unattended.

## OPERATING DETERMINATIONS

This device is designed for professional use, e.g. on stages, in discotheques, theatres etc.

Lighting effects are not designed for permanent operation. Consistent operation breaks will ensure that the device will serve you for a long time without defects.

Never put any liquids close to the device. Should any liquid enter the device nevertheless, disconnect from mains immediately. Please let the device be checked by a qualified service technician before you operate it again. Any damages caused by liquids having entered the device are not subject to warranty!

Do not shake the device. Avoid brute force when operating the device. When choosing the installation-spot, please make sure that the device is not exposed to extreme heat, moisture or dust. There should not be any cables lying around. You endanger your own and the safety of others! This device must never be operated or stockpiled in surroundings where

splash water, rain, moisture or fog may harm the device. Moisture or very high humidity can reduce the insulation and lead to mortal electrical shocks. When using smoke machines, make sure that the device is never exposed to the direct smoke jet and is installed in a distance of 0.5 meters between smoke machine and device. The room must only be saturated with an amount of smoke that the visibility will always be more than 10 meters.

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 50 % with an ambient temperature of 45° C.

This device must only be operated in an altitude between -20 and 2000 m over NN.

Never use the device during thunderstorms. Over voltage could destroy the device. Always disconnect the device during thunderstorms. The symbol - - m determines the minimum distance from lighted objects. The minimum distance between light-output and the illuminated surface must be more than 0.5 meters.

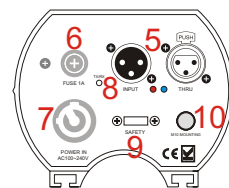
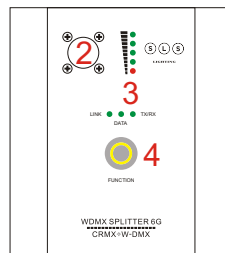
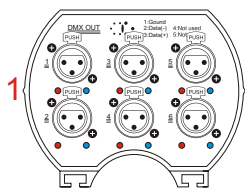
The housing must never touch surrounding surfaces or objects. The maximum ambient temperature  $t_a = 45^\circ \text{C}$  must never be exceeded. Operate the device only after having become familiar with its functions. Do not permit operation by persons not qualified for operating the device. Most damages are the result of unprofessional operation! Never use solvents or aggressive detergents in order to clean the device! Rather use a soft and damp cloth.

Please use the original packaging if the device is to be transported. 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.

Never remove the serial barcode (if it has) from the device as this would make the guarantee void.

## DESCRIPTION OF THE DEVICE



4

- |                    |                  |
|--------------------|------------------|
| 1: DMX OUT         | 6: Fuse holder   |
| 2: Antenna         | 7: Poerco in     |
| 3: LED indicator   | 8: Tx/Rx Switch  |
| 4: Function button | 9: SAFETY        |
| 5: DMX in & out    | 10: M10 MOUNTING |

Led indicator:

1: POWER: When it is on, power connected.

2 DMX

Transmitter

off: To choose the mode

Flash every 1.5s: Transmission off.

Flash every 1s: Transmission on, no DMX signal.

Flash every 0.2s: Searching receiver.

On: Transmission on with DMX.

Receiver

Off: No receiving.

Flash every 1s: Receiving, no DMX signal.

Flash every 0.2s: Searching transmitter.

On: Receiving DMX.

3 MODE: Off~Wireless mode 1; Flash~Wireless mode 2; On~Wireless mode 3

## INSTALLATION

Rigging

**It starts working 8 seconds after being powered on.**



Install the device in a well-ventilated area. The operation in an insufficiently ventilated room can lead to an overheating of the device. The resulting overheating of the device can cause accidents. Keep a minimum distance of 3 m around and above the device.



Do not operate this device with opened top part of the housing!

5