



TECHNICAL SPECIFICATIONS

Suitable For : Indoor use: IP20
Voltage Input : AC100 - 240V, 50Hz
Power Consumption : 2W Max
Frequency Band : 2400 to 2483MHz
Channels : 13
RF Channel Data Rate : 250Kbps
RF Transmitter Power : -18dBm
RF Receive Sensitivity : -90dBm (Per lower than 1%)
RF Antenna Connector & impedance : SMA,50_5%
Working Storage Temperature : -10°C to approx 50°C
Working & Storage Humidity : 20% to approx 90%
Dimensions (LxWxH) : 250 x 250 x 350mm
Unit Weight : 0.36Kg.



USER MANUAL TW 512

Thank you for purchasing this product.

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

USER MANUAL - TW 512

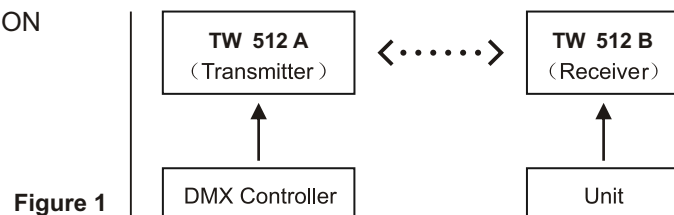
SAFETY INSTRUCTIONS

Every person involved with the installation, operation and maintenance of this device has to :

- be qualified
 - follow the instructions of this manual
- **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.
 - Keep away from heaters and other heating sources !
 - 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.
 - 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 the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
 - shields, lenses or ultraviolet screens shall be changed if they have become visibly damaged to such an extent that their effectiveness is impaired, for example by cracks or deep scratches.
 - Never let the power-cord come into contact with other cables ! Handle the power-cord and all connections with the mains with particular caution !
 - Make sure that the available voltage is not higher than stated in this manual.
 - 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.
 - 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.
- **DANGER OF BURNING !** Never touch the device during the operation ! The housing heats up to the housing temperature TSURFACE.
 - Don't switch the device on and off in short intervals as this would damage the **power supply**.
- **HEALTH HAZARD !** Never look directly into the light source, as sensitive persons may suffer an epileptic shock (especially meant for epileptics)
 - Always disconnect from the mains, when the device is not in user or before cleaning it.
 - Please note that damages caused by manual modifications on the device or unauthorized operation by unqualified persons are not subject to warranty.
 - Keep away children and amateurs from the device !
 - There are no serviceable parts inside the device. Maintenance and service operations are only to be carried out by authorized dealers.

FUNCTION DESCRIPTION

T&R OPERATING INSTRUCTION



1

TW 512 OPERATION INSTRUCTIONS

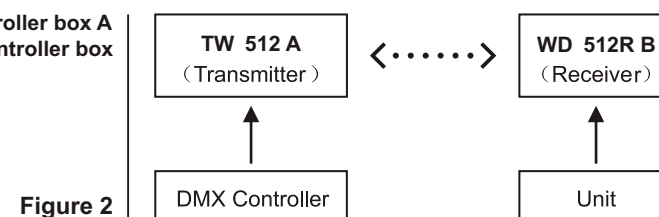
TW 512 wireless control box has two functions for receiving and sending. And the two functions can exchange.

1. Please see **Figure 1**, make the DMX controller and luminaire connect with A and B from wireless controller. Any the wireless controller can regard as A or B.
2. Please charge DMX controller and luminaire and discharge the wireless controller A and B at this time.
3. Then please charge the wireless controller A, at the same time, the direct light A can strobe quickly, after 8 seconds, the direct light would strobe slowly.
4. Please press key on the wireless controller box, it will be in strobe quickly status. Then charge wireless controller box B, after 18 seconds, the wireless controller box B and A will strobe slowly, at the same time, the wireless controller A connect wireless controller box B successfully. You can control the luminaire via controller.
5. When you need transmitter (A) to connect much more wireless receiver (B)controller, please press key on A, the direct LED is under the quickly strobe status, at this time you must charge wireless receiver (B1, B2, B3... ..). Repeat the step 4.

The operating instructions for TW 512 or WD 512T or WD 512R communication each other

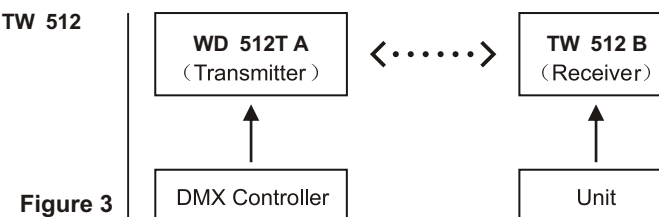
TW 512 has the functions for sending and receiving but WD 512T and WD 512R has only sending functions or receiving functions.

TW 512 (Transmitter) wireless controller box A and WD 512R(Receiver) wireless controller box B are in communicate.



1. Please see **Figure 2**, DMX controller, luminaire connect with TW 512 and WD 512R.
2. Please charge DMX controller and luminaire, and then charge wireless controller box A and B.
3. Wait for the direct light of TW 512 A entering slowly strobe status, when pressing the keys, the direct light strobe quickly, at the same time please press keys of WD 512R, direct light B will be in strobe quickly status and match them, after 18 seconds, direct light A and B will strobe slowly, then they connect with each other successfully. You can control the luminaire via controller.
4. when you need TW 512 A to connect much more WD 512R, you only press the key on the A, the direct light A will be quickly strobe status, you charge WD 512R (B1, B2,B3.....) instantly. Repeat step 3.

WD 512T wireless (Transmitter) and TW 512 (Receiver) are in communication



1. Please see **Figure 3**, DMX controller, luminaire connect wireless controller transmitter WD 512T and TW 512
2. Please charge DMX controller and luminaire firstly, and then charge wireless controller A, but discharge B.
3. Press key of A WD 512T, the LED direct light strobe quickly and charge TW 512 B instantly. The direct light of B will be in quickly strobe status and match them. After 18 seconds, direct light A and B strobe slowly, then they connect with each other successfully. You can control the luminaire via controller.
4. when you need A (WD 512T) to connect much more TW 512 B, you only press the key on the A, the direct light A will be quickly strobe status, you charge TW 512 (B1, B2,B3.....) instantly. Repeat step 3.

2