

# DMX-2-IP65-WIRELESS

## USER'S MANUAL



Thank you for purchasing **DMX-2-IP65-WIRELESS**. Every unit has been thoroughly tested and shipped in perfect condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your unit 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 Acson Comercial for further instructions. Do not return this unit without any warning.

# Index

1. Introduction .....	3
2. Safety Instructions .....	3
3. Features .....	4
4. Product Overview .....	4
5. Setup .....	4
6. Operation Instructions .....	5
7. Specifications .....	7
8. FCC Notice .....	8

**FOR YOUR OWN SAFETY, PLEASE READ  
THIS USER MANUAL CAREFULLY BEFORE  
POWERING OR INSTALLING. SAVE IT FOR  
FUTURE REFERENCE**

# 1. Introduction

The **DMX-2-IP65-WIRELESS** system is designed for indoor and outdoor use thanks to its IP65 rating. Utilizing AFHSS - Adaptive Frequency Hopping Spread Spectrum technology, the wireless system transmits or receives safe and reliable DMX data without any delay and interference. Ideal for outdoor lighting projects. Please read this user manual carefully and thoroughly before operation.

## 1.1 Unpacking

The following items are included in the box:

- 1 x W-DMX Splitter 2IP-TX or RX
- 1 x Power cable
- 1 x Mounting bracket
- 1 x User Manual

Carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Contact your supplier immediately and retain packing material for inspection if any part is missing or damaged.

# 2. Safety Instructions

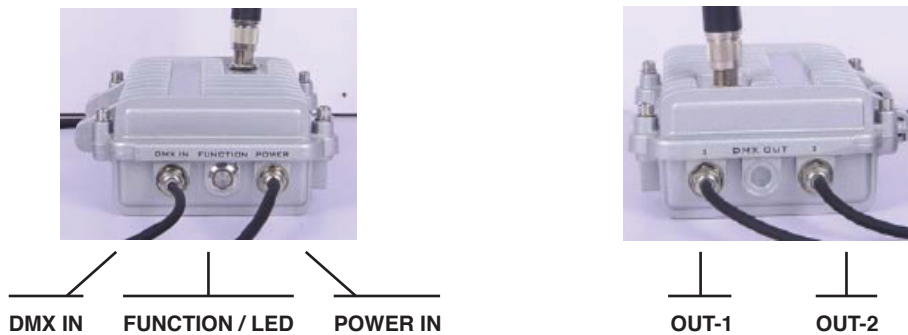
**Warning!** To reduce the risk of fire, electric shock, or injury, please follow these important safety instructions:

- This product is suitable for both indoor and outdoor use.
- Please keep this User Guide for future consultation.
- Do not attempt to dismantle and/or modify the receiver or transmitter in any way.
- Make sure that the voltage and frequency of power supply match the power requirements of the transmitter/receiver.
- Make sure power cord is never crimped or damaged.
- The wireless DMX system is only intended for installation, operation and maintenance by qualified personnel.

# 3. Features

- Adaptive Frequency hopping technology - AFHSS
- Completely interference free
- Transmit 512 channels (1 universe) of DMX data
- Maximum 16 universes of DMX in one area
- One-button-go for quick setup
- Plug and play, no need configuration for IP address
- Point-to-point, point-to-multipoint or multipoint-to-multipoint operation

# 4. Product Overview

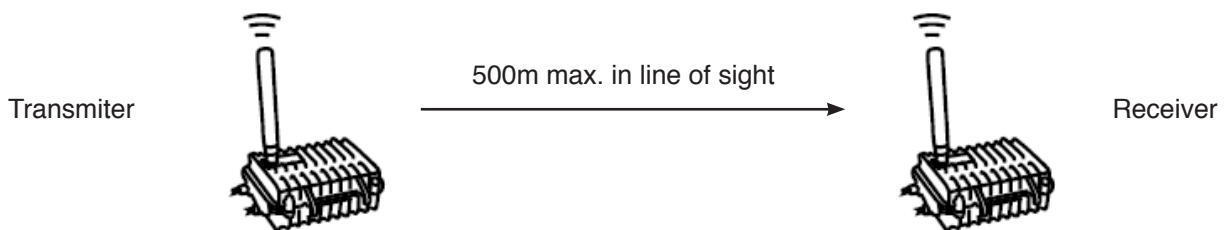


# 5. Setup

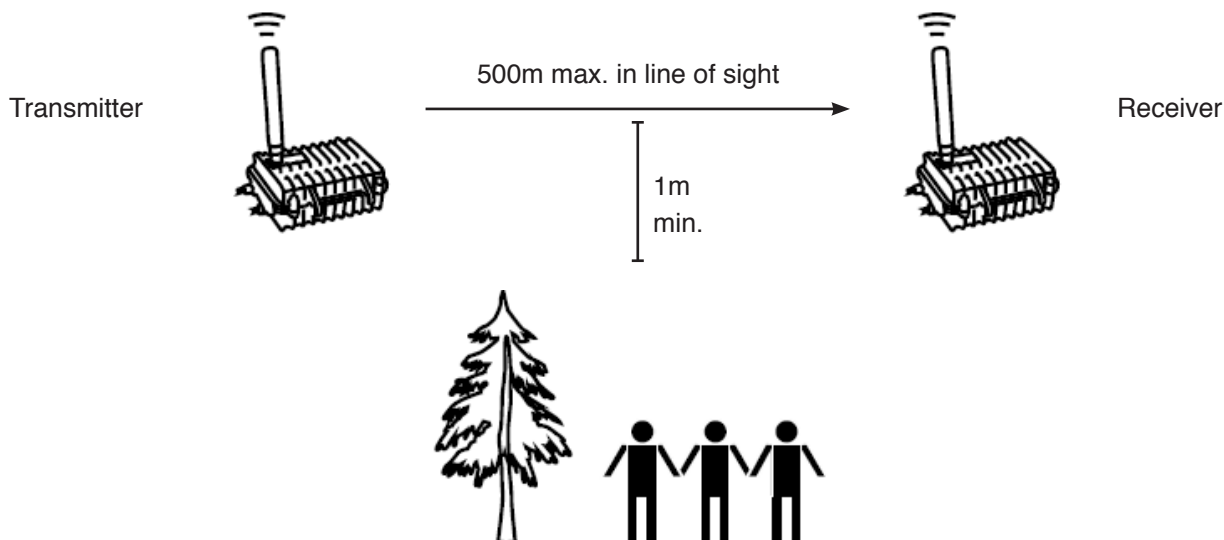
## 5.1 Placing Transmitter and Receiver

For successful linking, the following conditions should be met:

- a. Distance between Transmitter and Receiver should not exceed 500m.



b. Position of Transmitter and Receiver should be 1m at least above crowds and trees .



The Wireless unit can be mounted onto surface using screws.

## 5.2 System connection

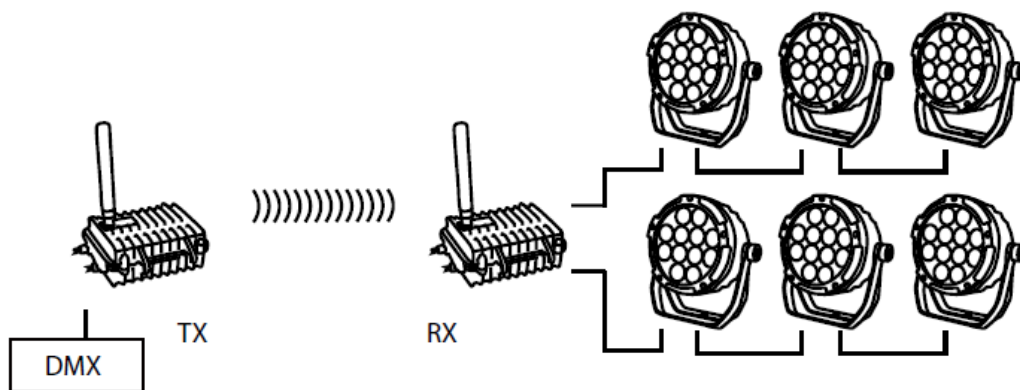
Use DMX cables to connect DMX IN of the TRANSCEIVER to DMX source and DMX OUT of RECEIVER to lighting equipments

## 5.3 Power Adapter

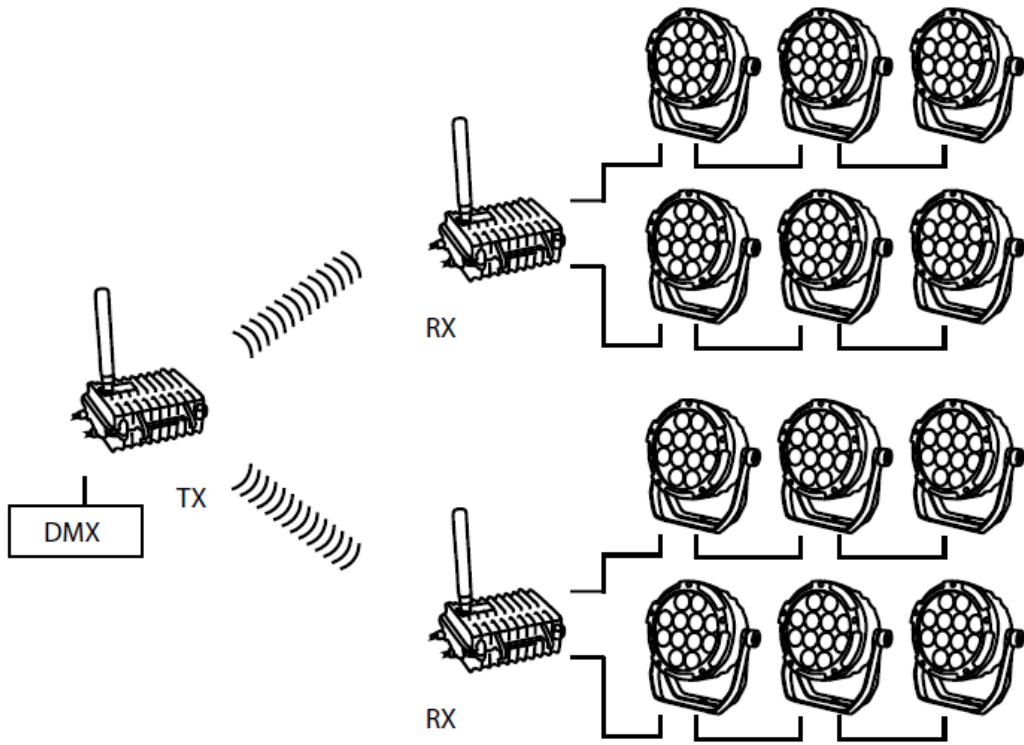
The wireless system is designed to work on AC 110V or 230V. Before applying power to a unit, make sure that the unit's input voltage matches the power source voltage.

# 6. Operation Instructions

## 6.1 Three Types Of Operation

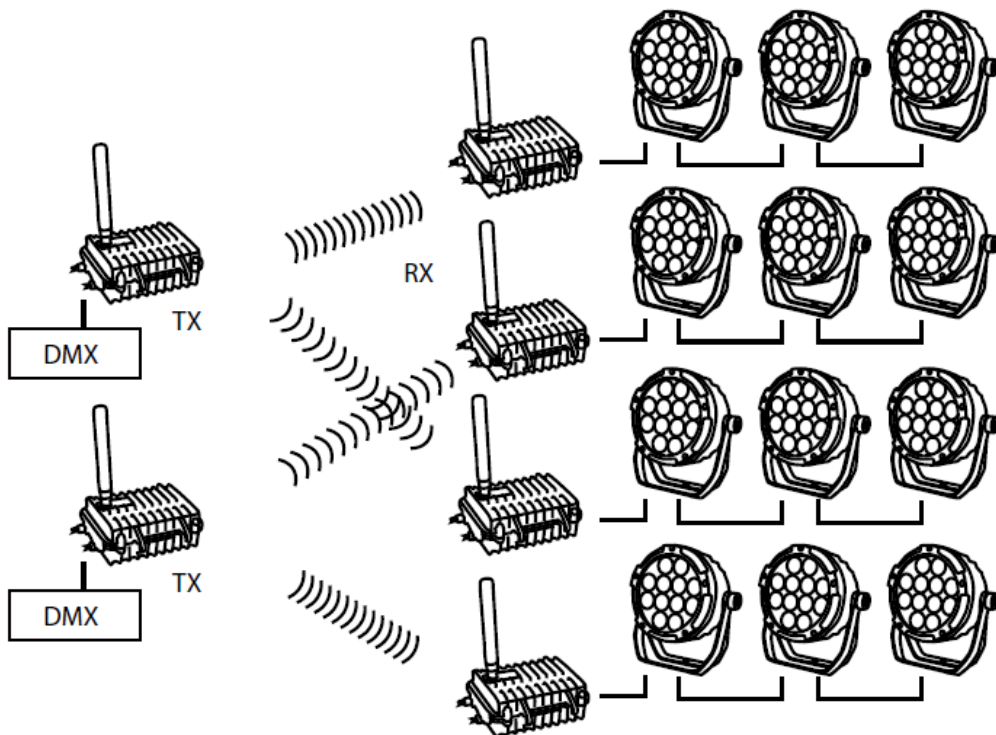


a. Point-to-point



**b. Point-to-multipoint**

One Transmitter supports up to 512pcs Receivers in one point-to-multipoint system.



**c. Multipoint-to-multipoint**

Up to 16 universes of DMX can be transmitted simultaneously using multipoint to multipoint operation. All receivers in a multipoint system will only listen to the designated transmitter without any delay or interference from other systems working alongside.

## 6.2 To add Receivers

1. Power on the units and ensure that Receivers are not linked with any other transmitter (LED on Receiver is OFF).
2. Press and quickly release FUNCTION button on the Transmitter. The transmitter will scan for all unlinked receivers for a period of 10 seconds - LED indicator on both the Transmitter and Receiver(s) will flash rapidly.
3. If successful, the LED indicator on Receiver(s) now go ON. If any failed, check if the Receiver is in range and repeat procedure.

**Note:** You can add receivers at any time, even during operation. In an operational system, logging on an additional receiver will make the logged-in units revert to idle mode for 10 seconds; once the new units are logged-in they will all start again together with the new unit.

## 6.3 To unlink a Receiver

1. Press and hold the Function button on the Receiver for about 3 seconds till the LED goes off.
2. Now the Receiver is unlinked.

## 6.4 To unlink a Receiver

1. Press and hold the FUNCTION button on Transmitter till LED begins flashing.
2. All registered receivers linked to that Transmitter will be unlinked.

**Note:** The Receiver will stay linked/logged on to the Transmitter no matter DMX signal or power is cut off. The log-in information is stored in an EEPROM and will not be erased.

# 7. Specifications

- **Frequency band:** 2.4GHz
- **Transmission distance:** approx. 500m (line-of-sight)
- **IP rating:** IP65
- **Power consumption:** 10W
- **Power supply:** AC 230V 50-60Hz
- **Dimension:** 300 x 190 x 100mm
- **Weight:** 1.50kg

## 8. FCC Notice

- This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions:
  1. This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
  2. Changes or modifications not expressly approved by the manufacturer responsible for compliance could void the user's authority to operate the equipment.

### **IMPORTANT INFORMATION!**

In order to optimize the recovery and recycling of the materials that old appliances contain and reduce the impact on human health and the environment, ensure that this product is recycled at the end of its life.

***Note:** All information is subject to change without prior notice.*

