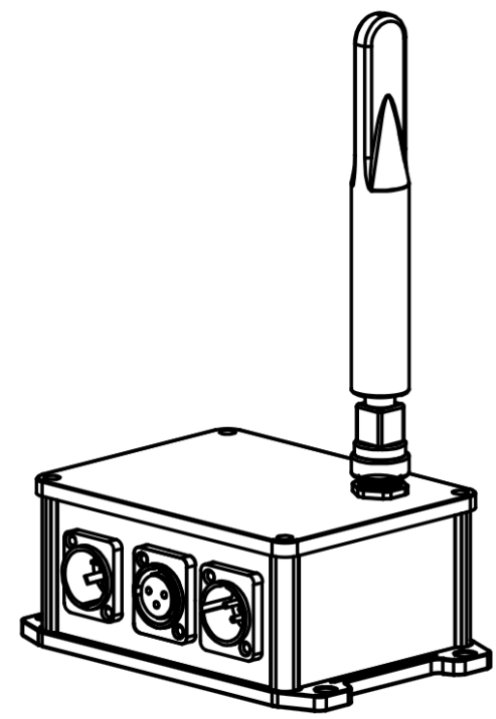




Flux Sync+ Wireless DMX Transceiver

User Manual



Before you operate this fixture read this manual carefully. Always make sure to include it if you pass/rent/sell the fixture to another user.

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1. WARNING

This product guide contains important information about the safe installation and use of this product. Please read and follow these instructions carefully and keep this manual in a safe place for future reference.

When unpacking and before disposing of the packing box, check there is no transportation damage before using the product. Should there be any damage caused by transportation, consult your dealer and do not use the product.

This product is rated IP, and can be used both indoor and outdoor.



The product is only intended for installation, operation and maintenance by qualified personnel.



Do not attempt to dismantle and/or modify the product in any way.

If this product is operated in any other way other than the one said in this quick guide, this device may suffer damages and thus the warranty becomes void.



This product has a bracket, and can be installed to truss and crossbar. Concerning rigging, trussing, for this product, please follow the European and national guidelines.



Only the qualified technicians are allowed for the device installation,



The fixture must never be mounted for a possible swinging position, and a safety cord attached. must always be used.

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorized modifications to the fixture.

2. PRODUCT INTRODUCTION

2.1 Items Included in the Package

After receiving this product, please carefully unpack the product and make sure the following parts are all included inside the package and are all in good condition.

- Flux Sync+ transceiver box - 1 pc
- Power cable - 1 pc
- Bracket with quick lock - 1 pc
- Safety cord - 1 pc
- This quick guide - 1 pc

In case the package is damaged from shipping, inform the carrier right away while keeping the damaged box for inspection. Failure to report damage to the carrier immediately may cause invalidity to your claim. The dealer or manufacture will not take any responsibilities for the damage.

In case there are parts missing from the box with a good condition, please contact your dealer or the manufacturer immediately by email or in other written form.

2.2 Product Overview

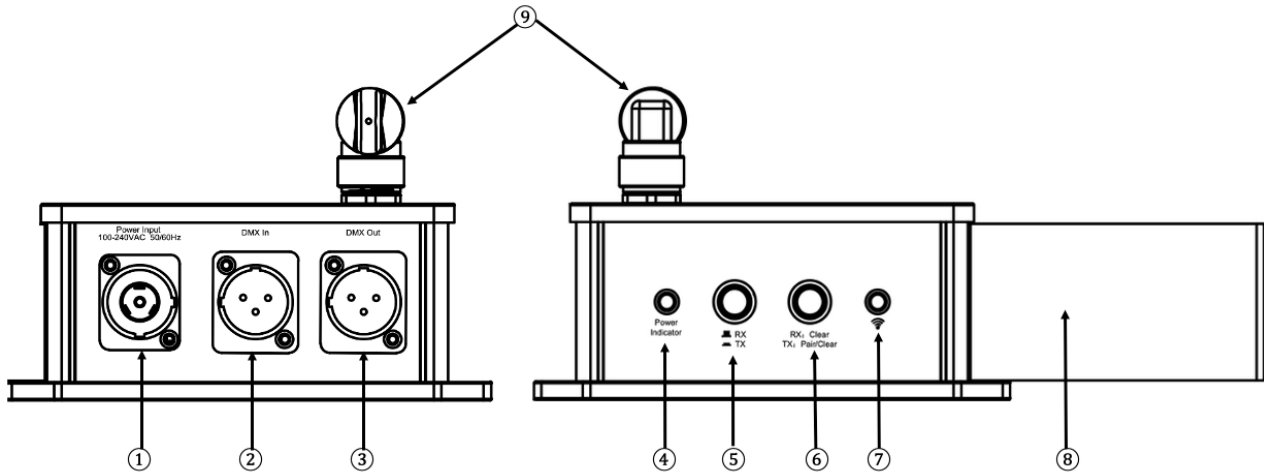
Wireless DMX transceiver Flux Sync+ can work as both transmitter and receiver. It can work to control any lighting fixtures controllable with standard DMX 512 protocol. Just press the switch button to switch between transmitter and receiver.

2.2.1 Main Features

- WDMX fully compatible to W-DMX;
- Switching between transmitter and receiver;
- Wireless DMX eliminates extensive cabling between DMX controller and the DMX-controlled units in lighting installations;
- Operating range up to 400m (with line-of-sight);
- 1 to 512 receivers can be controlled by each transmitter;
- Plug & Play: quick and easy setup with one operating button • LED indication for operation and functions;
- DMX input and output, 3-pin XLR IP;
- Mounting bracket available for truss attachment option;
- 2.4 GHz - license-free worldwide.

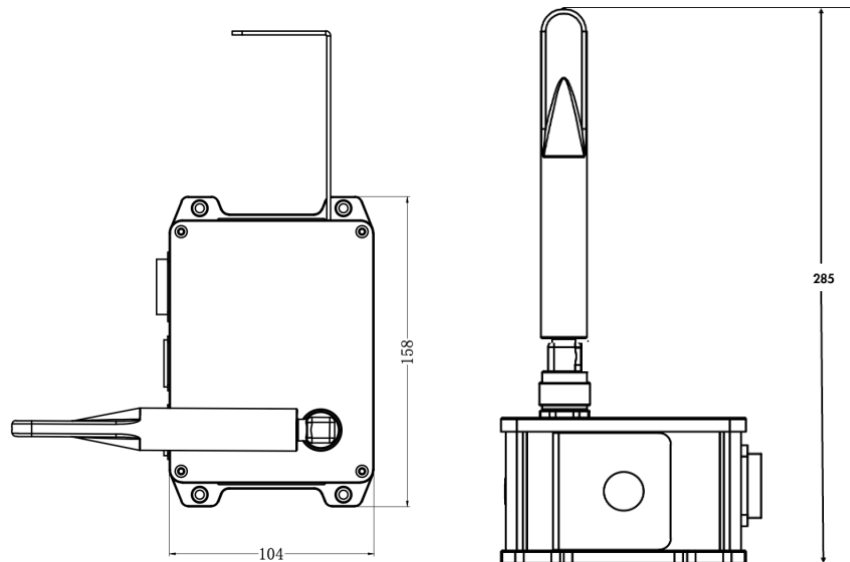
- IP suitable for outdoor events.

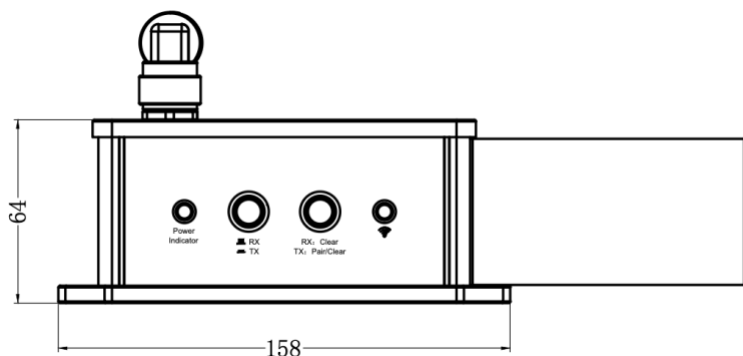
2.2.2 Flux Sync+ Connectors



- ① Power input (IP) ② DMX In (IP) ③ DMX Out (IP) ④ Power Indicator. ⑤ Wireless DMX transmitter/receiver switch button
 ⑥ Wireless DMX pair/Clear button
 ⑦ Wireless DMX Indicator ⑧ Bracket ⑨ Antenna

2.2.3 Product Dimensions (mm)





2.3 Specifications

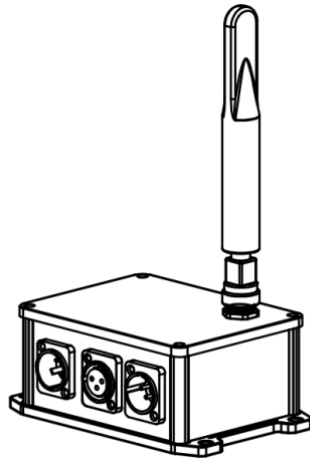
Power input	100-240VAC 50/60Hz
Power consumption	5W max.
Frequency	2.4 GHz ISM band, 58 channels
Working coverage	About 400m (line-of-sign)
Antenna	20 dBi
Latency	<5 msec
DMX channel	512 channels
DMX connector	IP 3-pin XLR in/out
Dimensions	171 x 135 x 48.5mm
Net weight	1.40 kg (including bracket)
IP rating	IP
Working temperature	0°C - 40°C
Relative humidity	20% - 80%
Mounting options	Standing, hanging to truss

3. INSTALLATION

Flux Sync+ can be placed on a flat desk or installed to truss with enclosed bracket.

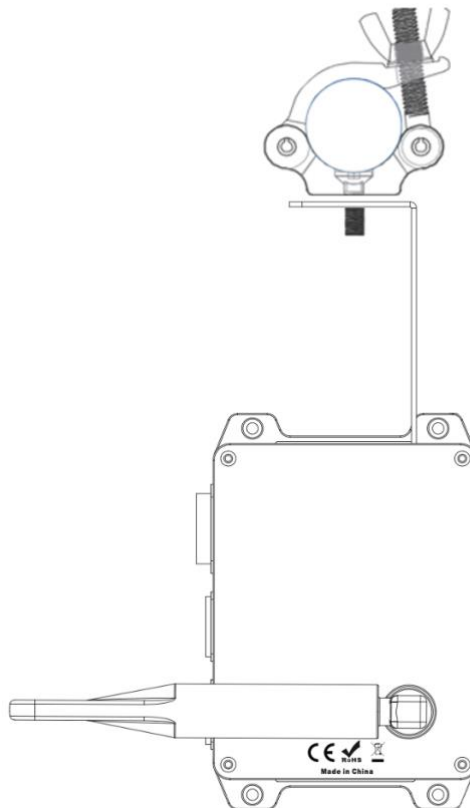
3.1 Floor Sitting

Flux Sync+ can be placed on even floor sitting on its rubber feet, or placed on a flat table without scratching table surface.



3.2 Truss Rigging

One bracket is enclosed for rigging Flux Sync+ to truss when needed. Please make sure to also use enclosed safety cord to attach Flux Sync+ to truss.



4. OPERATION

If your fixture can be controlled via wireless DMX system, you need first to link your fixtures to Flux Sync+.

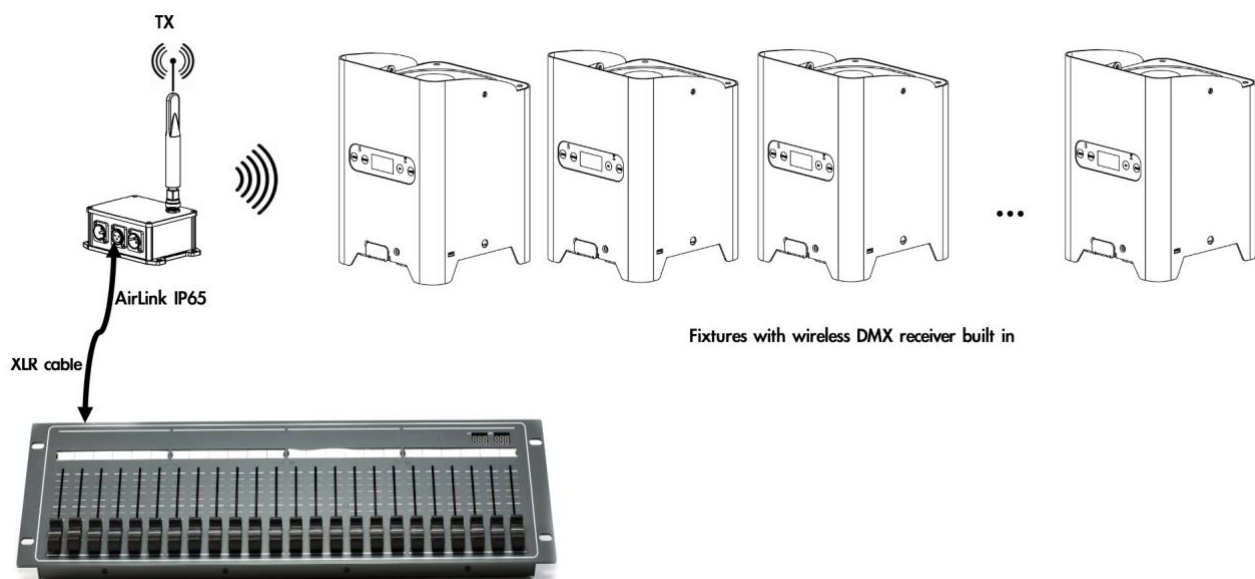
If your fixtures have no function of wireless DMX, you need to use another Flux Sync+. Connect this Flux Sync+ to your fixture with XLR cable, set up this Flux Sync+ as receiver (RX).

4.1. Use Flux Sync+ as Transmitter

Plug on the Flux Sync+, the power indicator will stay on. Set up the box as transmitter (TX) by pressing down the transmitter/receiver switch button. Connect the Flux Sync+ to your lighting desk with XLR cable.

If you are going to control fixtures with wireless DMX receiver, make sure your fixtures are ready to receive wireless DMX signal by either erasing the old wireless DMX memory.

Now press the "Pairing" button on the Flux Sync+. The yellow indicator on the transmitter and your fixtures will start to flash at the same time. After a few seconds the wireless DMX indicators will stay On, this means link succeeds. Now you can control your fixtures with your lighting desk.

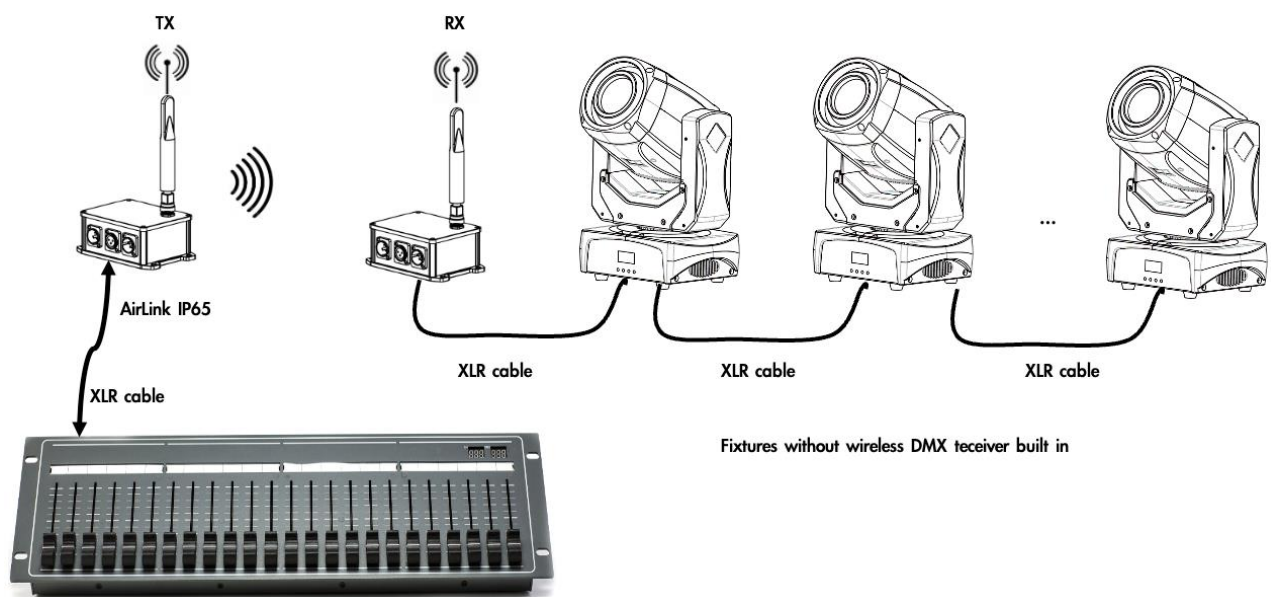


4.2 Use Flux Sync+ as Transmitter & Receiver

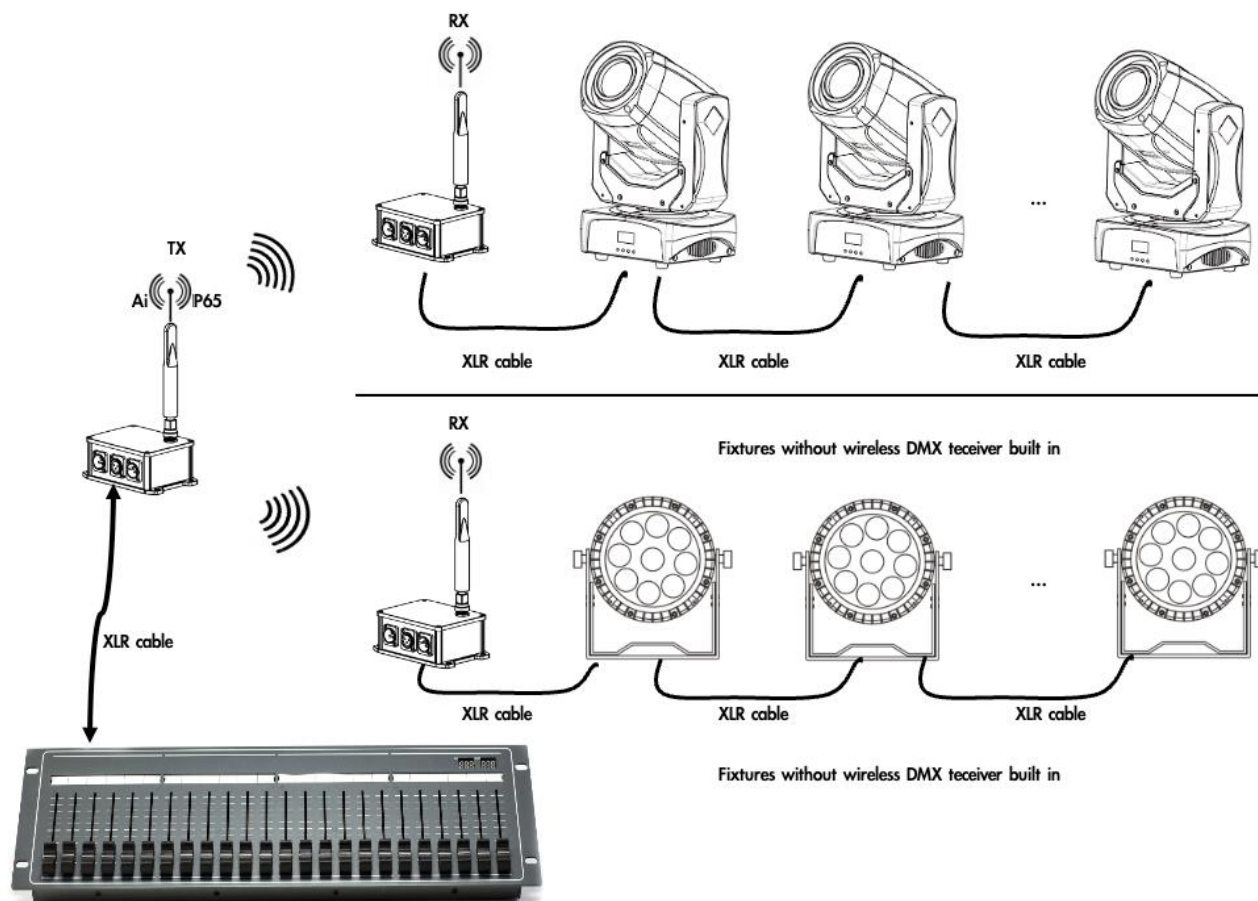
If you are going to control fixtures that have no wireless DMX receiver, you need to use another Flux Sync+, and connect it to the first fixture. Set up this Flux Sync+ as receiver by pressing the GREEN button RX. This Flux Sync+ can receive wireless DMX from transmitter.

Flux Sync+ allows to create point-to-point and point-to-points connection as below:

Point-to-Point:



Point-to-Points:



Press the "Pair" button on the transmitter box, the yellow indicators on both the transmitter and receiver will start to flash at the same time. After a few seconds the wireless DMX indicators will stay On, this means pairing succeeds. Now you can control your fixtures with your lighting desk.

5. MAINTENANCE

The operator has to make sure that the safety-related and machine-technical installations are to be inspected by an expert once a year in the course of an acceptance test.

The operator has to make sure that safety-related and machine-technical installations are to be inspected by a skilled person once a year.

The following points have to be considered during the inspection:

- The electric power supply cables must not show any damages or material fatigue.
- Make sure connections are clean and totally dry before linking equipments or supplying electric power.
- All screws used for installing the fixture or parts of the fixture have to be tightly connected and must not be corroded.

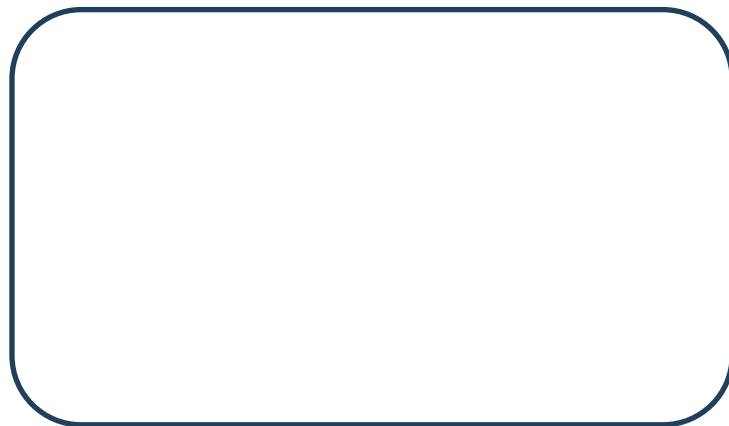
The cleaning frequency depends on the environment in which the fixture is installed. Damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the box. Even in a clean type of surroundings, it is recommended to clean the housing at least once a month. It is suggested to use a soft cloth using normal cleaning fluid.

The following points have to be considered during the maintenance:

- Unplug the system from main power.
- Clean the box housing with a mild solution isopropyl alcohol, and a soft, lint free cotton cloth.

Flux Sync+ Transceiver

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