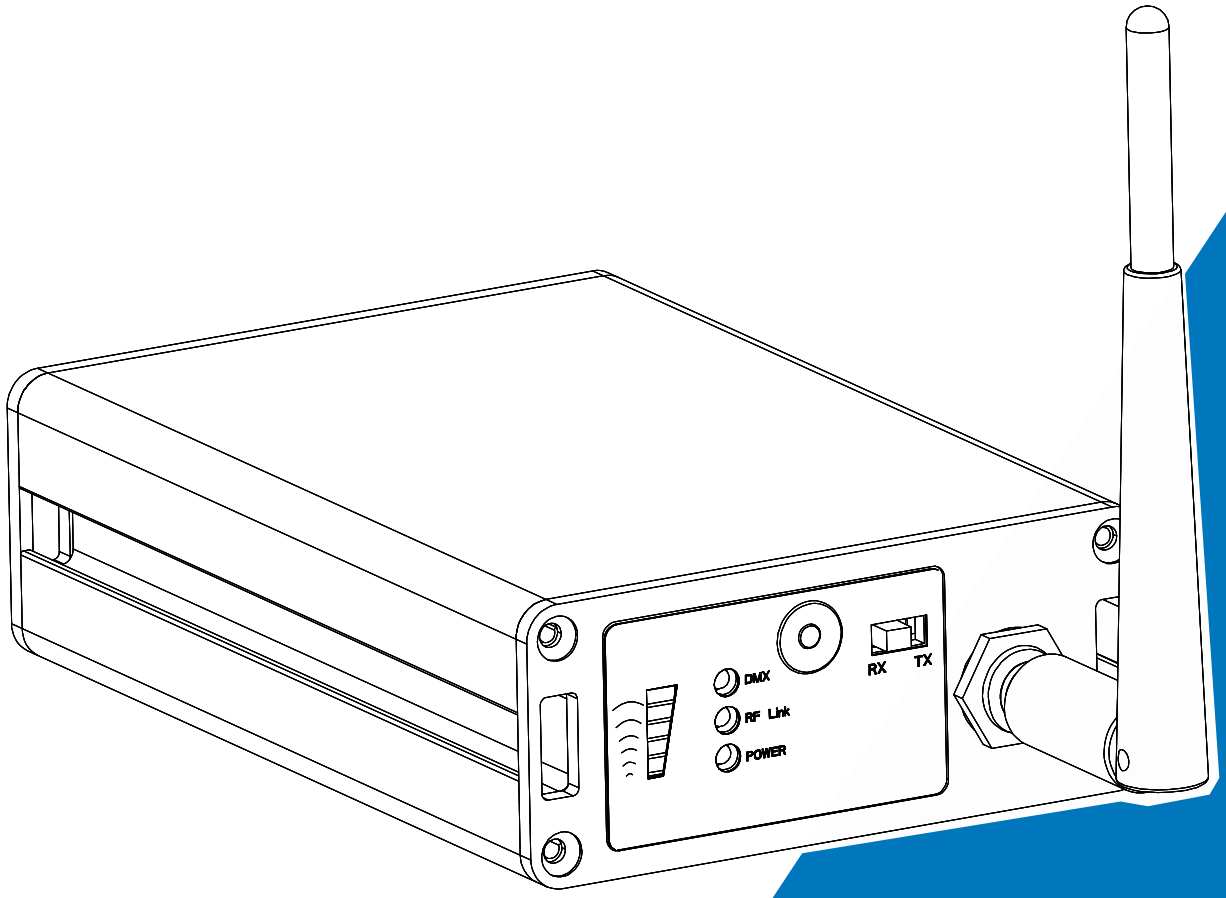
Wireless DMX Transceiver

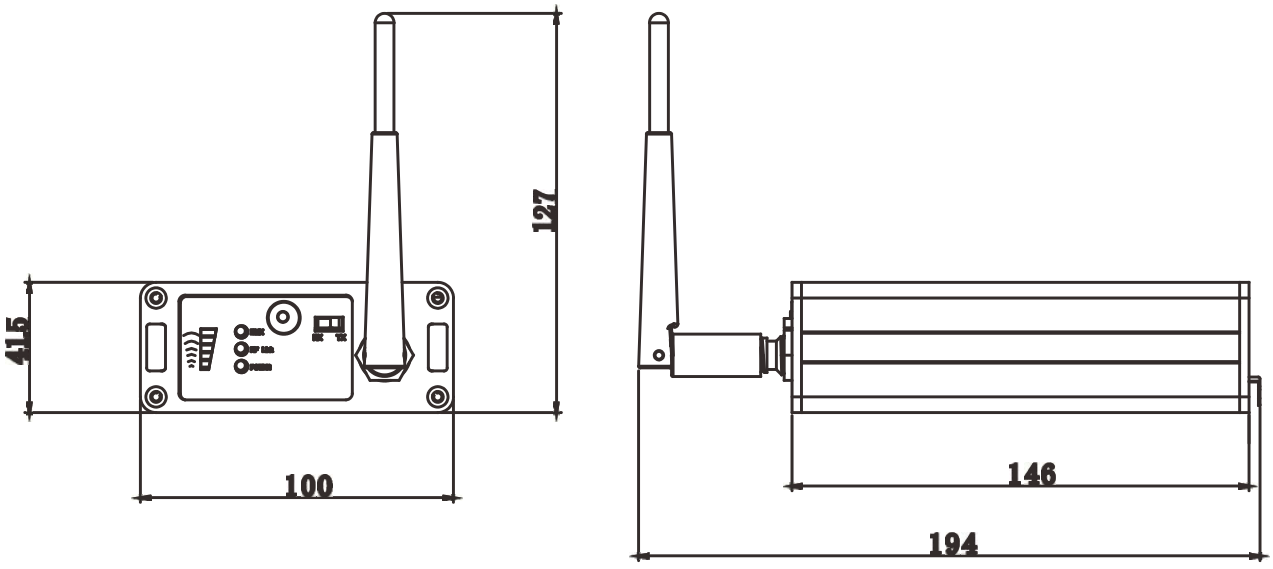


User Manual

Please read the instruction carefully before use

Specification

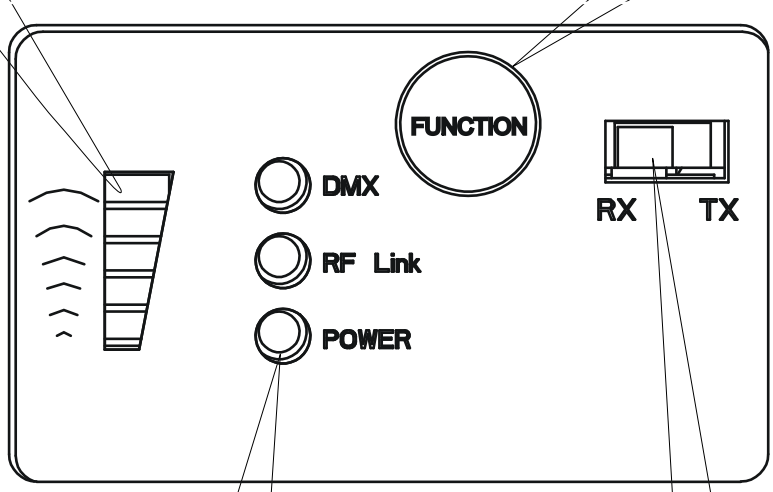
Input Voltage:	AC 100-240V, 50/60Hz
Power Consumption:	5W
Wireless frequency:	2.4GHz
Receive range:	300m
Dimension/Weight:	194 x 100 x 127 mm, 0.6Kgs 7.6"x3.9"x5"in, 1.3lbs



Control Panel

Signal quality indicators
For the Receiver, it shows the signal strength; for the Transmitter, only one indicator on all the time.

Function
Press to link with, or unlink from another unit.



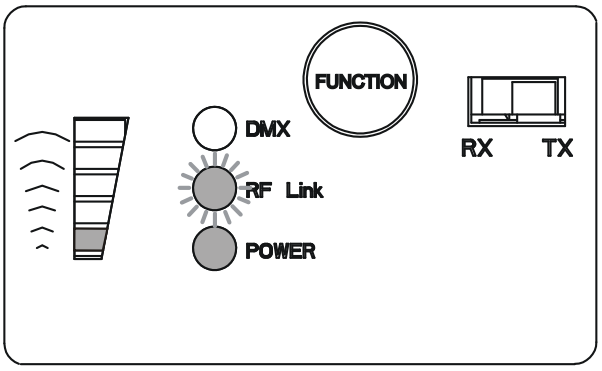
Status Indicators
RF Link on Transmitter:
On: Linked.
Fast flashing: Linking.
Slow flashing: Unlinked, or linked but no DMX present.
RF Link on Receiver:
On: Linked
Fast flashing: Linking
Slow flashing: Linked but no DMX present
Off: Unlinked
DMX: On when DMX is present
POWER: On when power applied

RX/TX switch
Select Receiver or Transmitter.

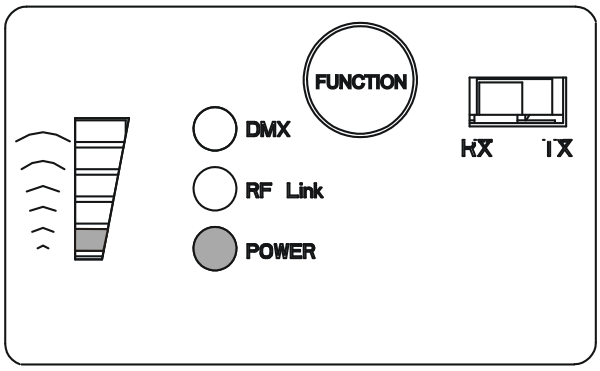
Operation Indications

When operating, the units show different indications depending on its mode and link status:

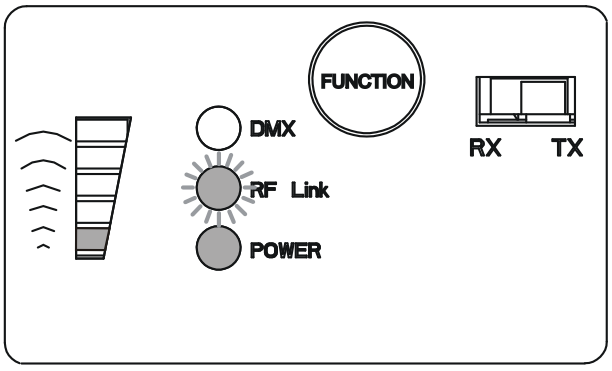
Transmitter when not linked.



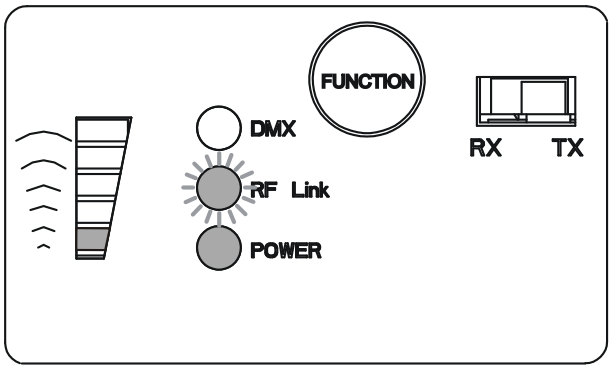
Receiver when not linked.



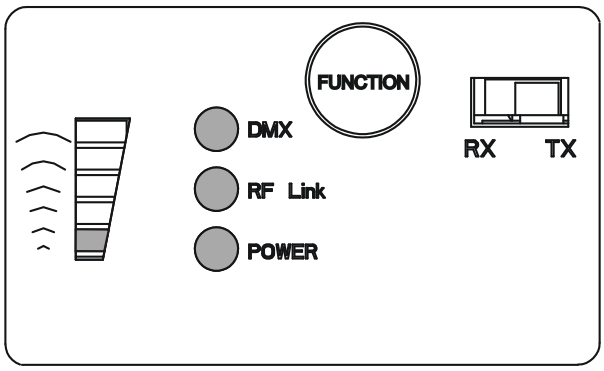
Transmitter when linking.



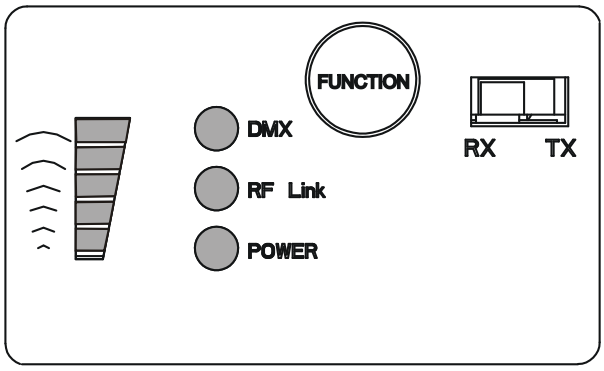
Receiver when linking.



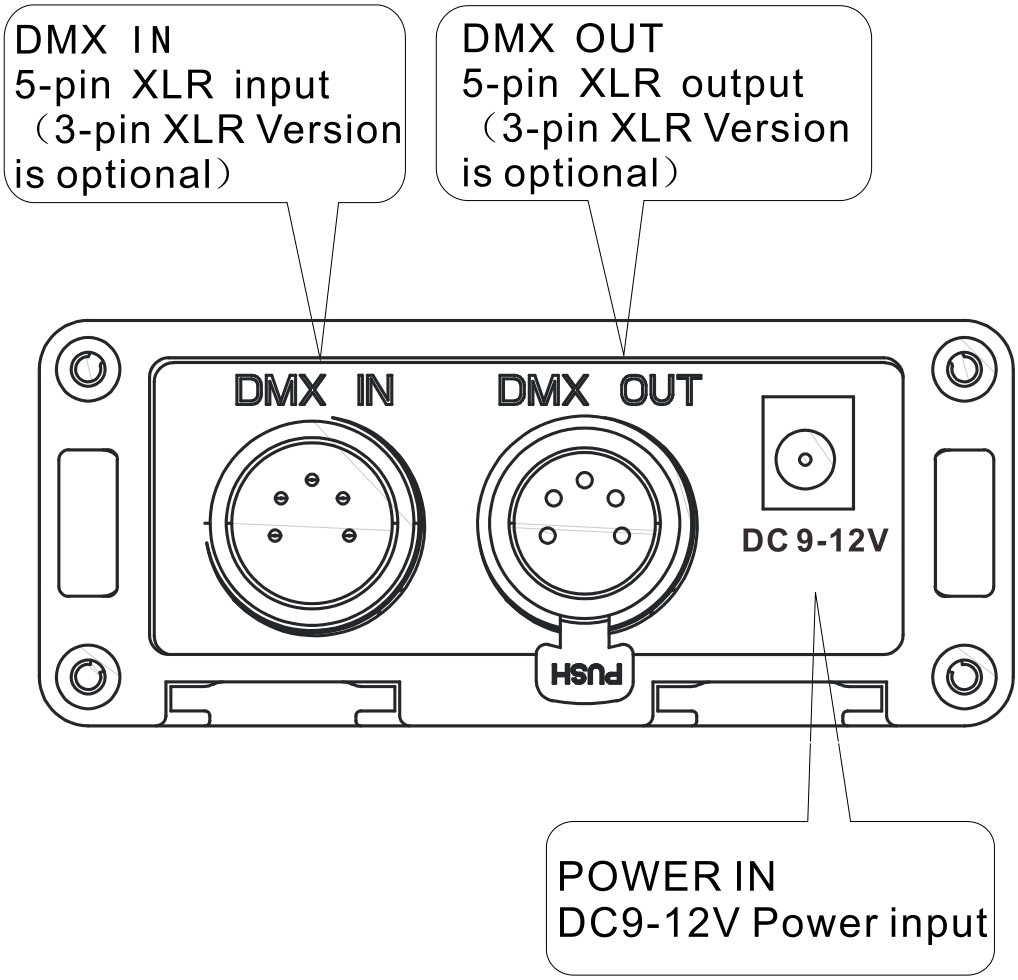
Transmitter showing a healthy link with a Receiver.



Receiver showing a healthy link with a Transmitter.



Rear Panel Connections



Optional Accessories

For XP-LR512 RT, below three groups of accessories can be selected:

A. Hanging suspender x 1, Fixed Plate for hanging x 1

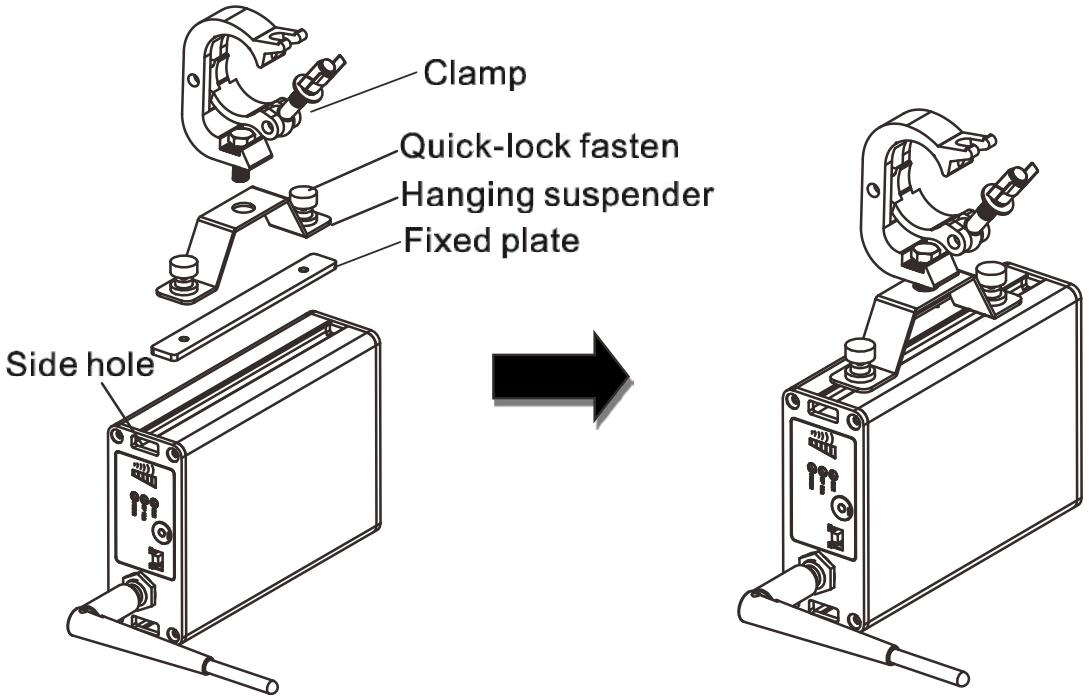
B. Fixed plate for wall-hang x 1

C. Fixed plate A x 2, Fixed plate B x 2, M4 x 10 Hex screw x 4

Mounting

1. Hanging in the truss

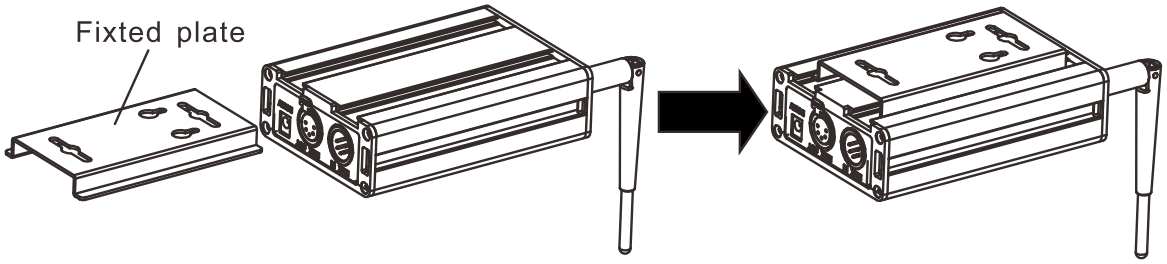
   Put the fixed plate into the side slot of the fixture from the side hole. Screw the clamp (not included) via the screw and nut onto the hanging suspender. Fix the hanging suspender and the fixed plate via the quick-lock fasten. Hang the combination in the truss.



2. Wall-hang

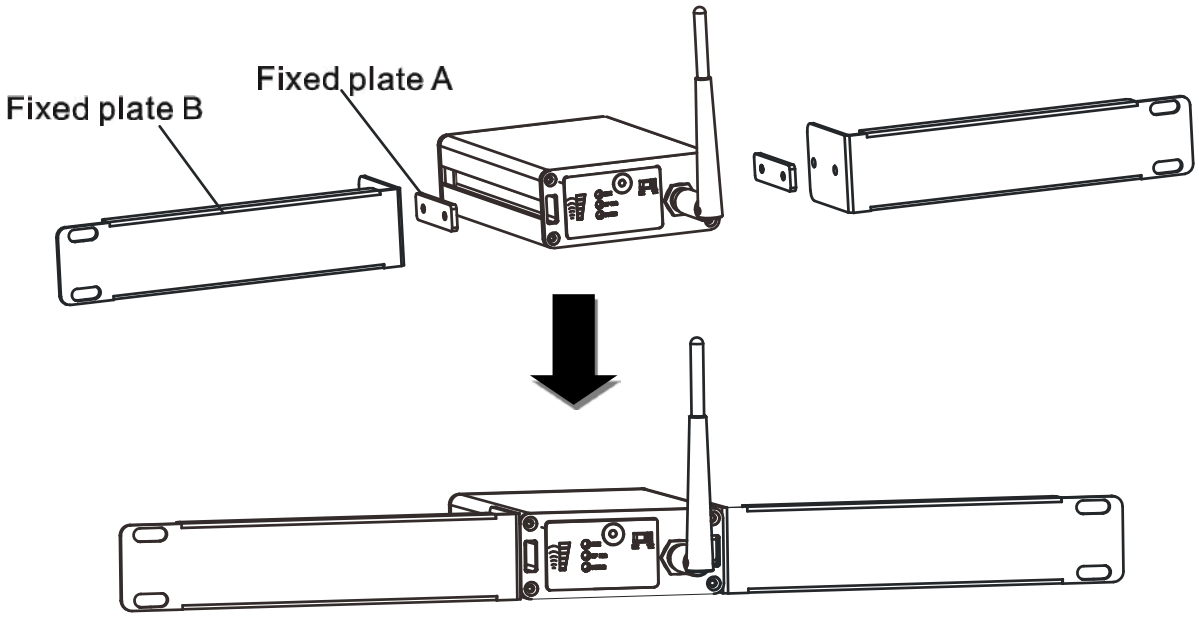
   Slide the fixed plate into the slots in the surface of the fixture.

   Hang the fixture on the wall.



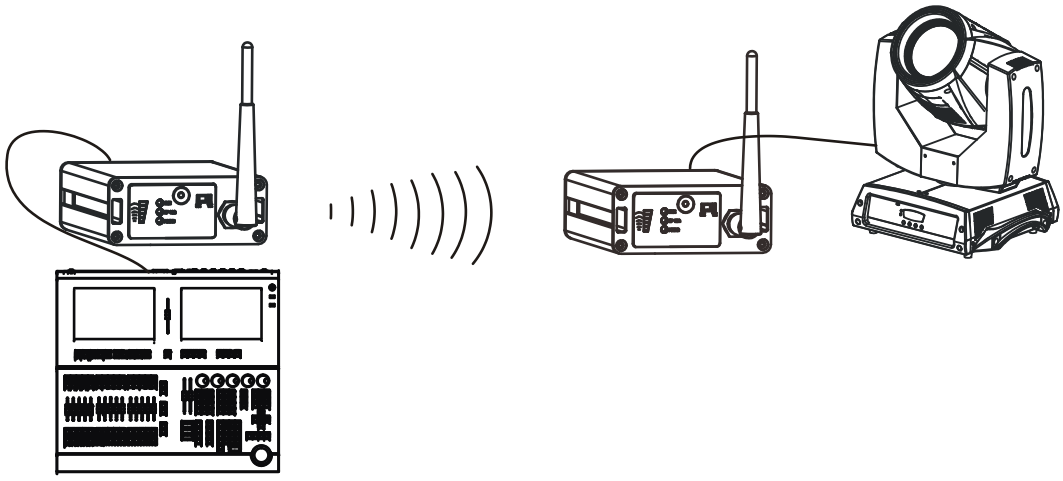
3. Fixed in the equipment cabinet

   Put the fixed plates A into the side slots of the fixture. Combine fixed plate A with fixed plate B via M4 x 10 Hex screws. Mount the combination in the equipment cabinet via the screws.



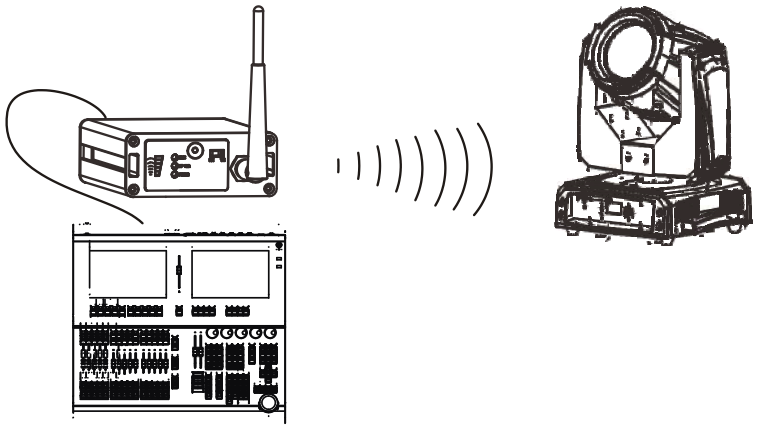
Operation

Connect with the other XP-LR512 RT:



1. Ensure the antenna is connected for all XP-LR512 RT.
2. Connect XP-LR512 RT with DMX console and connect the other XP-LR512 RT with the fixtures.
3. Power on all the fixtures.
4. Select TX mode (Transmitter) or RX mode (Receiver) for all the XP-LR512 RT.
5. On the transmitter, press and release the Function button. The transmitter will search for any unlinked receivers. Its RF Link indicator will fast flash for 10 seconds. If the RF Link indicator changes to a steady on-state, it means they linked successfully. If the indicator changes to flash slowly, it means fail.
6. Press and hold the Function button for more than 3 seconds to unlink it from the other XP-LR512 RT.

Connect with the wireless control fixture:



1. Ensure the antenna is connected for the XP-LR512 RT.
2. Connect XP-LR512 RT with DMX console.
3. Power on all the fixtures.
4. Select TX mode (Transmitter) for the XP-LR512 RT.
5. Set wireless mode for the wireless control fixture via the menu.
6. On the transmitter, press and release the Function button. The transmitter will search for any unlinked receivers. Its RF Link indicator will fast flash for 10 seconds. If the RF Link indicator changes to a steady on-state, it means they linked successfully. If the indicator changes to flash slowly, it means fail.
7. For the wireless control fixtures, cancel the wireless mode via the menu to unlink it from the XP-LR512 RT; on the transmitter, press the hold its Function button for more than 3 seconds to unlink all of its receivers.

To optimize range and performance:

- Keep antennas upright;
- Maintain the Transmitter to Receiver line of sight;
- Elevate the units above any crowds;
- Elevation above ground increases range;
- Keep away from large metal objects.

Maintenance

Clean the front transparent cover at least every 1-2 months. Use a moist, lint-free cloth. Never use alcohol or solvents!

Innovation, Quality, Performance