

Wireless received and transmitter

Powered by Wireless Solutions®



BEFORE YOU BEGIN

What is included

- ✦ 1 x W-Bridge Transmitter with CLF Quicklock system,
- ✦ 1 x W-Bridge Transmitter/receiver with CLF Quicklock system
- ✦ 2 x power cable
- ✦ 1 x CLF Tourcase
- ✦ 1 x user manual
- ✦ 2 x 5dBi Antenna
- ✦ 2 x truss mount bracket

Unpacking Instructions

Immediately upon receiving a fixture, carefully unpack the carton; check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a fixture must be returned to the factory, it is important that the fixture be returned in the original factory box and packing.

AC POWER

This fixture has an auto-switching switch-mode power supply that can accommodate a wide range of input voltages. The only thing necessary to do before powering on the unit is to make sure the line voltage you are applying is within the range of accepted voltages. This fixture will accommodate 240V AC 50-60 Hz.



WARNING!

keep this device away from rain and moisture!
unplug mains lead before opening the housing!

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



WARNING!

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



Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of products.

INTRODUCTION

TECHNICAL SPECIFICATIONS:

- Voltage: 220V - 240V / 50Hz
- Power: 3W
- Wireless: 2.4G
- Weight: 0.8kg per unit and 6kg In total
- Dimensions: 145 x 110 x 70mm.
- CLF Tourcase size (LxWxD): 410 x 342 x 204mm

MAIN FEATURES

- One button operation 2.4Ghz W-DMX[®] wireless system
- Compatible with all DMX512 compliant equipment
- FHSS (Frequency-Hopping Spread Spectrum) technology
- POWERCON-compatible power input
- Wireless solution Sweden[®] powered

SPECIFICATIONS

- Transceiver transmit power: 100mW
- Receiver sensitivity: 98dBm
- Max Operating Range: 400 meters (line-of-sight)
- Latency: < 5ms
- Antenna type: 5dBi
- Universes (512 channels): 1 per transmitter, max. 12 transmitters
- The ambient temperature must always be between -5° C and +45° C

W-DMX™ Receiver

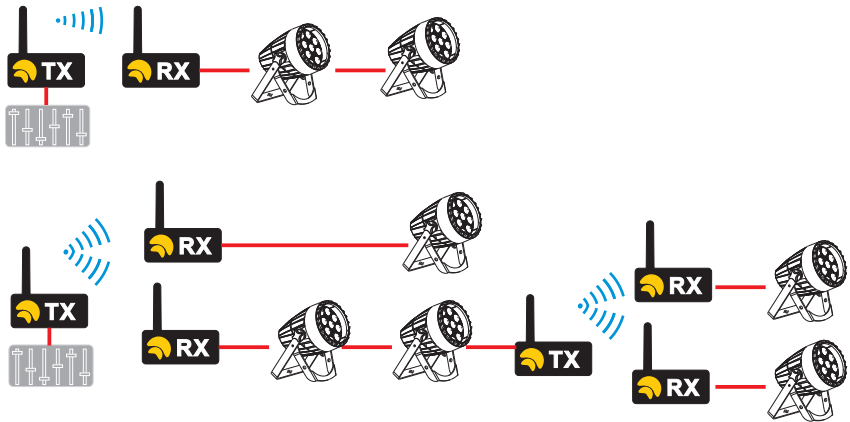
A CLF W-Bridge W-DMX system can have at minimum one receiver, and up to an unlimited maximum number of receivers per universe of DMX. A receiver is required to receive the DMX signal transmitted wirelessly by the transmitter and output it to any downstream fixtures.

W-DMX™ Transceiver

A CLF W-Bridge W-DMX system requires one transmitter per universe of DMX, to broadcast the signal to any receiver. The DMX controller will normally be plugged straight in to the transmitter.

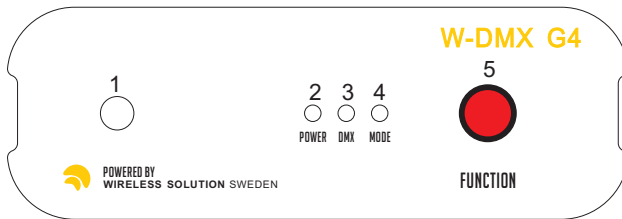
Possible configurations

The diagrams below show possible configurations. Multiple receivers may be used in any possible configuration.



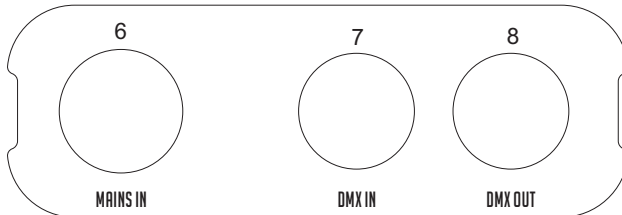
DIAGRAM

Front Panel:



- 1: Antenna
- 2: Power indicator
- 3: DMX indicator
- 4: Mode indicator
- 5: Function button

Rear Panel:



- 6: Powercon in
- 7: DMX in
- 8: DMX out

OPERATION:

LED Status Indicators

The LED status indicators on both the transceiver and the receiver units display its current status or mode. Below, each status is described:

1. POWER LED: When lit, the power is connected.
2. DMX LED:

Transceiver Only:

- LED off: The unit is ready for you to choose the mode.
- Flashing every 1.5 seconds: Transmission is off.
- Flash every 1 seconds: Transmitting, but there is no DMX signal.
- Flash every 0.2 seconds: Searching for a receiver.
- On: Transmitting a DMX signal.

Receiver Only:

- Off: Not receiving.
- Flash every 1s: Receiving, but no DMX signal.
- Flash every 0.2s: Searching for transceiver.
- On: Receiving DMX signal. Receiver

3. MODE LED:

- Off: Wireless Mode 1 (Frequency 1)
- Flash: Wireless Mode 2 (Frequency 2)
- On: Wireless Mode 3 (Frequency 3)

Setting Up CLF W-BRIDGE Wireless unit

1. One transceiver with multiple receivers:

Power on all units. The DMX LED indicators on all units should be off (if some DMX LED indicators are on or are flashing, press & hold the <FUNCTION> button until they turn off), then press the transceivers <FUNCTION> button again. All the receivers should flash quickly, and then all be matched up correctly.

2. Multiple transceivers, multiple receivers; e.g. 3 groups consisting of a transceiver & receiver(s) named A, B, and C:

- 1.) Turn power off of all units.
- 2.) Group "A" gets powered on, then follow step 1 above.
- 3.) Group "B" gets powered on, then follow step 1 above.
- 4.) Group "C" gets powered on, then follow step 1 above.

Disconnecting A CLF W-BRIDGE Wireless unit

1. Press and hold the transmitter <FUNCTION> button for 5 seconds.
The transmitter will disconnect from all receivers. The DMX LED indicators on the receivers will then returned off.
2. Press and hold each receiver's <FUNCTION> button for 5 seconds.
Each receiver will disconnect from the transmitter, and its DMX LED indicator then will be turned off.

Frequency/Mode Change (Performed only on transceivers)

There are 3 different modes (frequencies) that you can manually choose from.

They are recognizable by the status of the Mode LED:

- Mode 1: OFF
- Mode 2: Blinking
- Mode 3: ON

1. To manually change the mode, hold the <FUNCTION> button for 8 seconds until the DMX indicator turns off.
2. Press the <FUNCTION> button to switch between modes.
3. Press and hold the <FUNCTION> button for 7 seconds, and the transmitter will begin transmitting the DMX signal through the newly set frequency.

Set a Transceiver to Transmit or Receive

Turn the power off, then turn it back on. Press the <FUNCTION> button for 2 seconds, it will switch from a transmitter to receiver or a receiver to transmitter. If during this process you see the DMX indicator change, it is a transmitter, otherwise it is a receiver.

Point-2-Point Operation

Basic Point-2-point systems are used when you want to send wireless DMX data from a console to a single receiver. As the receiver accepts all 512 DMX channels from the transmitter, you can easily daisy chain more fixtures by cable from the fixture connected to wireless connection.

Multipoint-2-Multipoint Operation

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

Need more receivers?

Simply add as many receivers as desired to the transmitter, assigning them with a simple button push.

W-BRIDGE



CLFLIGHTING

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