

WDMX-2

Wireless DMX Transceiver

Item ref: 154.152UK

User Manual





Caution: Please read this manual carefully before operating
Damage caused by misuse is not covered by the warranty

Introduction

Thank you for choosing the WDMX-2 wireless DMX transceiver as part of your lighting control system. This unit can be used as a transmitter for qtx wireless PAR lights or in pairs for a wireless link between standard DMX512 lighting controllers and fixtures.

Unpacking

Your WDMX-2 should reach you in good condition and should be supplied with IEC mains lead(s) and a short antenna (mini TNC connection).

If there are any signs of damage or items missing from the packaging, contact your dealer immediately.

Warning

To prevent risk of fire or electric shock, do not expose any components to rain or moisture.

If liquids are spilled on the housing, disconnect mains and allow unit to dry out & have checked by qualified personnel before further use.

Avoid any impact or extreme pressure to the housing.

No user serviceable parts inside - do not open the case.

Refer all servicing to qualified service personnel.

Placement

The transmitter and receiver should be positioned where there is minimal obstruction to radio transmission and where convenient to connect with DMX controller(s) and lighting fixture(s).

One transmitter can serve a virtually unlimited number of receivers when set to the same ID within the transmission range.

The housing should be secured in place and not suspended from signal or mains cables.

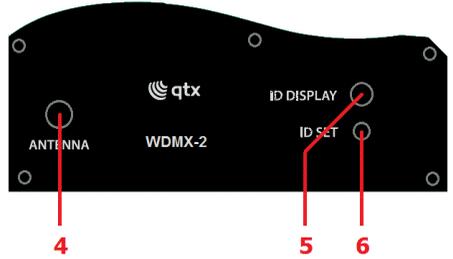
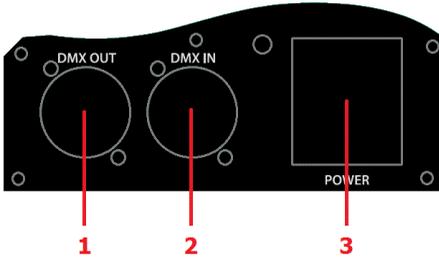
Safety

- Check for correct voltage and condition of IEC lead before connecting to power outlet
- Ensure DMX leads are good condition with no short connections or damaged plugs
- This unit must be earthed

Cleaning

- Use a soft dry or slightly damp to clean the casing.
- Do not use strong solvents for cleaning the unit

Front and Rear Panels



1	DMX OUT connector XLRF	4	ANTENNA connector mini TNC
2	DMX IN connector XLRM	5	ID DISPLAY indicator (RGB LED)
3	Mains inlet IEC + fuse holder	6	ID SET button

Setting up

Install the WDMX-2 where it is most convenient for radio signal between transmitter and receiver. Connect the supplied antenna via the mini TNC connector on the front panel.

If the WDMX-2 is to be used as a transmitter, connect DMX control signal (from a DMX controller, DMX console or PC/Mac DMX interface) to the DMX In XLR connector. The DMX signal can be repeated as a wired output from the DMX Out connector.

If the WDMX-2 is to be used as a receiver, connect DMX control signal from the DMX Out XLR connector to the first lighting fixture in the DMX chain to be controlled.

The WDMX-2 transmits a digital wireless signal in the 2.4GHz band with one of 7 ID tags. These ID tags determine which transmitters talk to which receivers. The ID is selected by pressing the ID SET button on the front panel which scrolls through the 7 different ID tags, indicated by a 3-colour ID DISPLAY LED as follows...

ID 1	Red	ID 5	Red + Blue
ID 2	Green	ID 6	Green + Blue
ID 3	Red + Green	ID 7	Red + Green + Blue
ID 4	Blue		

Select the same ID tag for transmitter and receiver so that the ID DISPLAY LEDs show the same colour(s). When the transmitter detects DMX signal at the input, the ID DISPLAY LED will flash red. When this is detected as a wireless signal by the receiver, its ID DISPLAY LED will flash green. DMX is now linked wirelessly and should work as if connected by a cable.

Specifications

Power supply	240Vac 50/60Hz (IEC)
Frequency band	2.4GHz
ID settings	7 tags (with colour LED indicator)
Connections	DMX out (XLRF), DMX in (XLRM), Antenna (mini TNC), mains (IEC)
Dimensions	138 x 46 x 155mm
Weight	400g

Troubleshooting

No power	Check mains voltage is correct and outlet is switched on
	Check IEC lead and mains fuse (if fuse continually blows, refer to your dealer)
LEDs are flashing but no DMX link	Check DMX leads are connected correctly (in to transmitter, out from receiver)
	Check DMX leads are not damaged or faulty
	Check that light fixture is set to the correct DMX start address
LEDs are static and no DMX link	Check both transmitter and receiver (or wireless PAR light) are set to same ID
	Check that antennas are not obscure or too far apart for wireless link
	Check that receiver is not too close to high density of WIFI signals



Disposal: The “Crossed Wheelie Bin” symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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