Wireless DMX Splitter / Booster

XSW-Series

All in One:

- Wireless DMX receiver
- Wireless DMX transmitter
- DMX splitter / booster
- Available with W-DMX™ or CRMX™
- Full individual optical isolation per port

The XSW combines CRMX™/ W-DMX™ wireless DMX technology with all of the advantages of the DMX splitters from SWISSON. The XSW can operate as a DMX transmitter or as a DMX receiver at the press of a button.

The DMX splitter functionality is always available regardless of whether the device is configured as a transmitter or receiver. If only the splitter function is used, the wireless part can be switched off.

The splitter part is based on the long established SWISSON DMX splitter technology and offers one input port, a through port and 4 individually optically isolated output ports.

Multiple radio links can be operated at the same time by using more than one transmitter, allowing a setup with multiple DMX-universes. Any number of receivers can be connected to each of the transmitters.

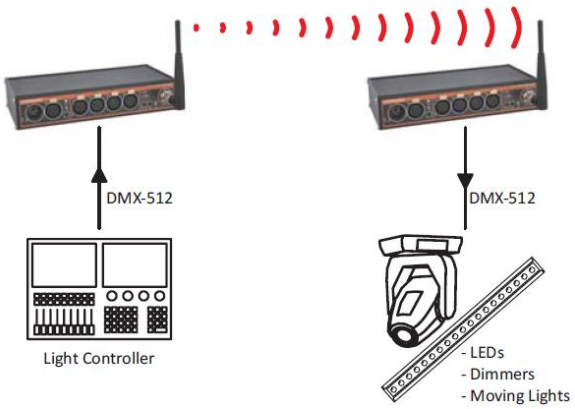
The radio part uses the freely available 2.4 GHz frequency band to transfer DMX data. Interferences with other devices operating in the same band, such as Wi-Fi access points, are avoided by using the CRMX™ (Cognitive Radio Multiplexer by LumenRadio) or W-DMX™ (by Wireless Solution) technology. CRMX™ and W-DMX™ are two of the most reliable and most widespread DMX transmission methods. With a latency of only 5 ms, they are perfectly suited for real-time applications.

Thanks to the ability of the XSW to work as a transmitter or as a receiver, even a small number of XSWs allows for building up a variety of wireless DMX setups. At the same time, it is possible to use any XSW in combination with compatible CRMX™ (XSW-TR-CRMX models) or W-DMX™ (XSW-TR-WDMX models) devices.

The XSW is obtainable as a rack mountable version or as a truss mountable box version. Both types of housings are rugged and made of aluminum.

A specially designed power supply makes the XSW reliable, even under harsh mains power conditions.

Typical Application



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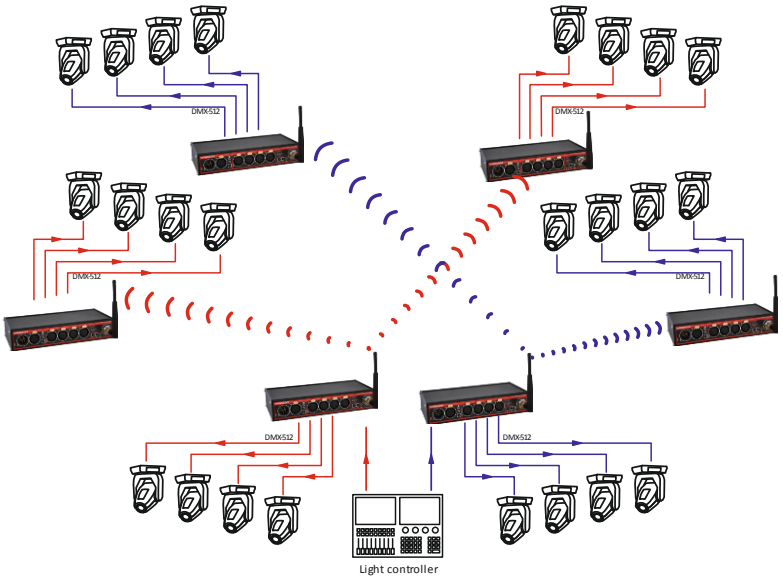
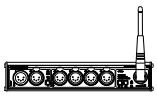
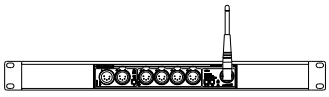


XSW Box Versions



XSW-TR-CRMX-3B	10 18 10
Box version, CRMX™, 3-pin XLR.	
XSW-TR-CRMX-5B	10 18 11
Box version, CRMX™, 5-pin XLR.	
XSW-TR-WDMX-3B	10 18 15
Box version, W-DMX™, 3-pin XLR.	
XSW-TR-WDMX-5B	10 18 16
Box version, W-DMX™, 5-pin XLR	

XSW Rack Versions



XSW-TR-CRMX-3R	10 18 20
Rack mountable, CRMX™, 3-pin XLR.	
XSW-TR-CRMX-5R	10 18 21
Rack mountable, CRMX™, 5-pin XLR.	
XSW-TR-WDMX-3R	10 18 25
Rack mountable, W-DMX™, 3-pin XLR.	
XSW-TR-WDMX-5R	10 18 26
Rack mountable, W-DMX™, 5-pin XLR.	

Specification

Dimensions box (in mm)	220 x 45 x 125
Dimensions box (in inches)	8.6 x 1.75 x 4.92
Dimensions rack version	19” x 1 RU x 125 mm (4.92”)
Weight	400 g / 0.9 lbs.
Ambient temperature	–17 – 55 °C / 0 – 131 °F
Mains supply	100 – 240 VAC, 50 / 60 Hz
Typical power consumption	5 W
Transmission power	100 mW (20 dBm)
Range	500 m
Frequency	2.4 GHz
Modulation	GFSK
Typical system latency	<5 ms
No. of receivers per transmitter	unlimited
No. of transmitters per venue	4 – 6[1]
DMX	ANSI E1.11
M10 thread for clamp	Yes (box versions only)
Eye for safety wire	Yes (box versions only)

1) In theory, up to 60 transmitters can be used simultaneously. But since the 2.4GHz frequency band is never really free, 4-6 transmitters are considered as unproblematic.

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