

How to upgrade from W-DMX™ to CRMX™ for OEM

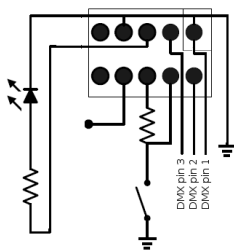
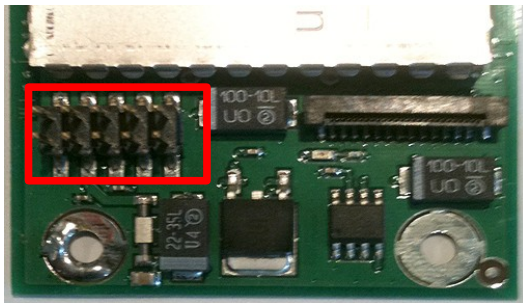
Rev. A - 30 June 2010

This document is intended as a simple guide for manufacturers on how to update their legacy W-DMX™ generation 3 equipment to CRMX™ technology.

The W-DMX (left below) utilize a 5x2 pins header for connection. The connector incorporates power, DMX signals, push button, and LED indicator.

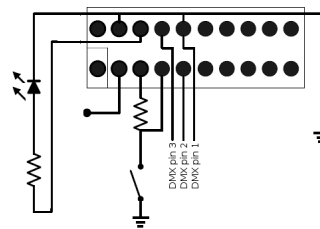
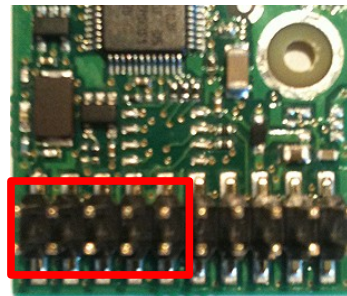
The CRMX OEM board (right below) utilizes a 10x2 pins header for interfacing equipment, however the 10x2 pins connector incorporates a 5x2 pins layout that is compatible with the connector of the W-DMX board, thus making it extremely easy to update to CRMX technology. The only thing that is needed is a cable with a 10x2 connector at one end and a 5x2 connector at the other end.

W-DMX generation 3 OEM PCB



The 5x2 pins connector of the W-DMX board marked within the red border

CRMX OEM PCB



The 10x2 pins connector of the CRMX board with the 5x2 pins area with the W-DMX compatible pins marked within the red border.

Note the similarity in the schematics above. The necessary cable is shown in the picture below.

Note: If cable is not an option due to space restraints, it is possible to remove the remaining 5x2 pins on the connector, however that will **void the warranty** and **disable any future updates** using those pins.



The required cable



The cable attached to the CRMX™ OEM TRX

For questions and support, contact Michael Karlsson at LumenRadio: mk@lumenradio.com or +46317728084

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