

Features and Functions

The RSDMX512 is a RS232 to 512 channel DMX converter. The unit ships with an external 7.5 V DC / 100 .. 230V power supply . (only EU)

The RS232 input is buffered, and can also be connected to a TTL level serial port, like a Crestron IR-Serial port. DMX channels 505...512 are default set to max. level (255) at startup.

Upon request the unit can be programmed with other fixed output levels at startup on any channel.

Installing and connecting

The RS232 cable should be a DB9 straight male-female cable using pins 2,3 and 5.

The 5 pin screw terminal is used for DMX and PSU.

P1 = DMX GND

P2 = DMX – (XLR P2)

P3 = DMX + (XLR P3)

P4 = PSU + 7.5 ...9 V DC

P5 = PSU GND

RS232 Control

The incoming data is stored into RAM, so multiple channels can be controlled at the same time.

RS232 port settings : 115.200 baud, 8 bits, 1 stopbit, no parity.

Compatibility:

Crestron RS232 ports on Crestron X, 2 and 3-series

AMX RS232 ports ; Extron IPL Pro serie,(drivers available on Extron website)

Brightsign players , Neets ; and many more.

The protocol uses three bytes: unit – channel – level

The unit is 0x4C for DMX channel 1..255, 0x4D for DMX channel 256 ... 512.

The channel is 0x00 ...0xFF

The level is 0x00...0xFF.

Example 1:	-	AMX, set channel 4 to 50% :	“\$4C,\$03,\$7F”
Example 2:	-	Crestron, set channel 1 fully on:	\x4C\x00\xff
Example 3:	-	AMX, set channel 258 off:	“\$4D,\$02,\$00”