

Features and Functions

The IPDMX512 is a TCP/IP to 512 channel DMX converter using PoE or an optional external PSU. 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 5 pin screw terminal is used for DMX and is compatible with the RSDMX512:

P1 = DMX GND
P2 = DMX – (XLR P2)
P3 = DMX + (XLR P3)
P4 = NC
P5 = NC

IP Control

The incoming data is stored into RAM, so multiple channels can be controlled at the same time. Port settings : TCP/IP Client/server, using port 101. Default IP 192.168.1.215

Compatibility:

Crestron, 2 and 3-series
AMX ; Extron IPL Pro serie,(drivers available on Extron website)
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"
