

STORM10 – Datasheet

Compact 10 Universe DMX over Ethernet to DMX/RDM Converter



ENTTEC's STORM10 is a compact installer-grade Ethernet-DMX to DMX/RDM gateway designed to make controlling DMX lights over Ethernet simple.

The STORM10 converts Art-Net, sACN & ESP eDMX protocols into up to 10 universes of DMX/RDM, or up to 40 universes in Overdrive Mode, both switchable via the web interface in firmware V1.5.4. In combination with 1 ethernet input, STORM10 is packed with 10 rear DMX/RDM output ports alongside installer-friendly two forward-facing service ports duplicating Port 9&10, offering as many outputs as possible within a 1U half-width rack device.

The STORM10 converts fully compliant DMX using RJ45 outputs, Cat5e/Cat6 cable can be wired to a standard DMX plug either locally to the STORM10 or at the first fixture. Using RJ45 cables instead of DMX cable proves cheaper and more efficient especially on long term installations.

The STORM10 can be powered by either PoE or a 12-24V DC jack input. Its front LED indicators showing the status and connectivity of each unit. All intuitive configuration management including firmware updates are conveniently accessible through its localhost web interface making installations both simple and fast.

The STORM10 allows merging of up to two Ethernet-DMX sources via HTP or LTP methods, providing additional flexibility without the need for other hardware.

Features

- **10 Universe Ethernet-DMX to DMX/RDM Node**
- **High-speed Overdrive output up to 2 Mbit/s — carry up to 4 DMX universes per port (40 universes across all 10 outputs) [NEW](#)**
- **Supports Art-Net, sACN & ESP Ethernet protocols.**
- **1 x RJ45 Ethernet input port (10/100 Mbps) with built-in LED network status indicator.**
- **Total 12 x DMX/RDM output ports: 10 x rear DMX/RDM ports & 2 x forward-facing service ports duplicating Port 9&10.**
- **PoE or DC jack power input.**
- **Reverse polarity protection.**
- **Integrated protection against surge.**
- **10 DMX output settings are independently configurable, including Input Protocol, Output type, refresh rate, HTP/LTP Merge with Art-Net Sync support.**
- **RDM device discovery, addressing and monitoring on all output ports — supports up to 512 RDM devices. [NEW](#)**
- **DHCP or Static IP address support.**
- **Intuitive device configuration and updates through the inbuilt web interface.**
- **Mounting accessories include allowing surface mount, din mount or rack mount in half or full width rack spaces.**

Specification

Connectors	1* Ethernet Input (RJ45)	
	1* Power Input (DC)	
	10+2 (Duplicated Port 9&10) * DMX/RDM Output (RJ45)	
IP Rating	IP20	
LED Status Indicator	Forward facing LED indicator	
	Network link/Activity (integrated into RJ45)	
Power Input	12-24V DC	
Current Draw	109-296mA	
Max. Power Draw	3.6 Watts	
Input Protocols	Art-Net	sACN
	ESP	
Output Protocol	USITT DMX512/1990	
Max. Output Channels	5120ch (10 Universes) Overdrive Mode - 20480ch (40U)	
Power Over Ethernet	IEEE 802.3af	
Network Speed	10/100Base-T	
Network Configuration	DHCP / Static (Default 192.168.0.10)	
IGMP Version	IGMPv2	
RDM	Yes	
Max. Merging Sources	2 Sources with Art-Net Sync	
Firmware Updates	Web browser — V1.5.5	
Cooling Method	Convection	
Environmental Operating Temperature	0°C to 50°C 32°F to 122°F	
Environmental Operating Humidity	5- 95% (non-condensing)	
Body Material	ABS + Anodised aluminium	
Rack Ear Material	Powder-coated aluminium.	
Unit Dimensions	200*120*42 mm	
Unit Weight	0.46kg /1.01lbs	
Warranty	3-year return to base manufacturer warranty	

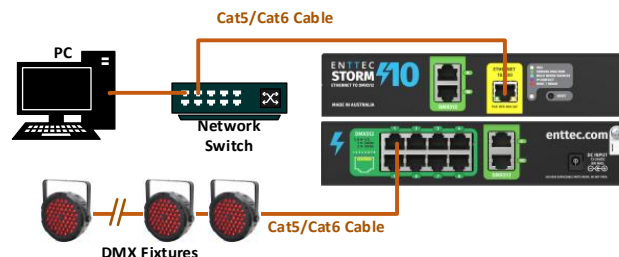
Certification



Box Contents

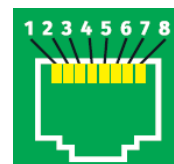
- STORM10
- Ethernet cable
- Power supply with AU/EU/UK/US adapters
- Mounting Accessories

Wiring Diagrams



Cat5/6 Pin for DMX Output RJ45 Connectors

- Pin 1: Data +
- Pin 2: Data -
- Pin 7/8: Ground



Safety

- This unit is intended for indoor use only. Exposure to rain or moisture will void the warranty.
- Make all the connections before you plug in the mains power.
- Do not remove the cover, there are no serviceable parts inside.
- Never plug this unit into a dimmer.
- Always be sure to mount this unit in an area that will allow 6" (20cm) of ventilation.
- Power-supply cords should be routed so they cannot be damaged, damaged or force applied to the device's ports.
- Label any Cat5/6 DMX connector and DO NOT connect to non-DMX port (eg Ethernet Switch). Connecting unlike systems could result in serious damage to STORM10 and equipment.

Ordering information

For further support and to browse ENTTEC's range of products visit the ENTTEC website.

Item	SKU
STORM10	70057

enttec.com

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Due to constant innovation, information within this document is subject to change.