

DATAGATE



GENERAL INFORMATION

The Datagate is an extremely flexible bridge between control and fixtures/dimmers. It can form the backbone of a network, provide optical isolation merge levels from multiple streams, and translate between DMX and Ethernet protocols.

APPLICATIONS

- UNIVERSITY/PROFESSIONAL THEATRES
- ARCHITECTURAL INSTALLATIONS
- TOURING COMPANIES / ROAD HOUSES
- PERFORMING ARTS CENTERS
- TRADE SHOWS

FEATURES

- The Datagate can be
 - DMX Hub/Splitter
 - DMX Merger (HTP or LTP)
 - DMX -> Ethernet
 - Ethernet-> DMX
 or any combination of the above.
- Input/Output
 - 8 DMX ports (input or output)
 - 1 Ethernet port
 - 1 RS232 input for configuration
- Profiles may be selected and viewed with front panel menus or with Web Browser over Ethernet
- Configuration and editing of Profiles may be done either with free Node Management Utility or through menu buttons.
- LCD display supports menu navigation and provides status information on port direction, and data flow

- Routing Engine supports
 - Copy
 - Merge HTP
 - Merge LTP (switched by block, not by channel, with max 8 governing rules)
- Rack mountable (19" x 1U)
- Internal power supply
- The Datagate DE & DME also includes [LightFactory Limited Edition](#)

ACCESSORIES

- Rack Mounting Ears (included)
- Gender Changer
- 3-pin to 5-pin Adapters
- Ethernet Hub (sold by others)
- Wireless Ethernet Gateway (sold by others)

ORDERING INFORMATION

Part Number	Description
#70024	Datagate D: DMX ports only (dmx hub)

OPTIONS

Part Number	Description
#70025	Merging License
#70026	Ethernet License
#70023	Gender Changer
#70029	3-pin to 5-pin Adapters

NOTES

Datagate DM: with Merging License
 Datagate DE: with Ethernet License
 Datagate DME: with Merging & Ethernet License

SPARE PARTS

Part Number	Description
#79105	Rack Mount Ears
#NAD1501	Replacement Power Supply

ENTTEC Main HQ
 P.O. Box 282
 Kew, Vic 3101
 Australia
 +61 3 9819 2433 Tel
 +61 3 9819 2733 Fax

ENTTEC USA
 SHIPPING AND BILLING
 500-A Bynum Road
 Forest Hill, MD

ENTTEC USA
 SALES AND INFO
sales@enttec.com
 888 454-5922 Tel.
 888 454-5922 Fax

General Specifications :

Power Requirements : 90-260vac, 50-60Hz

Weight: 3.96lbs / 1,8kg

Shipped Weight : 5.78 lbs / 2.6kg

Mechanical Size : 18.25" / 463.1mm wide
1.72" / 43.6mm high
5" / 111mm deep
(requires 1 standard RU)

Functional Specifications

- 8 routing rules available to control flow of data from and to Ethernet streams or DMX input/output ports.
 - Rules may specify source, target, and operation (Copy, Merge LTP, Merge HTP)
- 8 RDM enabled 1500V isolated DMX ports
- Break time configurable for each DMX port (88us to 1ms)
- DMX Refresh rate configurable for each port (2Hz -> 44Hz)
- Number of channels configurable for each port (1 to 512)
- Data throughput Statistics available through webpage
- Supports ESP & Art-Net protocols for DMX over Ethernet
- ACN ready
- Inbuilt Autoranging (90-260V) Mains power supply
- CE, FCC certified

For additional information
see [schematic diagram sheets](#)

Technical Illustration

