E N T T E C DIN ETHERGATE – Datasheet



AUSTRALIAN DESIGNED + MADE

Two universe bi-directional eDMX - DMX/RDM gateway in a compact 4-module DIN-rail form factor.



ENTTEC'S DIN ETHERGATE is a robust and reliable installation grade DMX node engineered to take any architectural, commercial or entertainment project to the next level.

With 2 universes of bi-directional eDMX -> DMX conversion and ArtRDM support, the DIN ETHERGATE is a flexible, cost effective method to connect physical DMX devices to your network infrastructure.

All configuration is managed through the localhost web interface to simplify commissioning.

The DIN ETHERGATE's slim, 4 DIN-module electrically insulated housing supports TS35 DIN and surface mounting for fast installation. Pluggable terminal blocks with inbuilt termination line make wiring simple.

Power the DIN ETHERGATE using power over ethernet (PoE) or 7-24v DC input.

Features

- Two bi-directional DMX/ E1.20 RDM ports with optional termination and RDM support.
- Support for Art-Net 4, sACN and ESP.
- Supports DMX -> Art-Net Broadcast or Unicast.
- HTP/LTP merging support for up to 2 DMX sources.
- Configurable DMX output refresh rate.
- Surface or TS35 DIN rail mount.
- Supports IEEE 802.3af PoE (Power over Ethernet) or DC 7-24v input.
- Intuitive device configuration and updates through the inbuilt web interface.
- DHCP or static IP Address support.
- 10/100 Mbps network speed.
- 'Current DMX Buffer' allows DMX values to be viewed per port.

11 enttec.com



E N T T E C

Specification

2* Bi-directi>IDMX (4 Pin Phoeni>) 1* Power Input (2 Pin Phoeni>) IP rating IP20 IP rating IP20 IP rating IP20 IP ating Indicators Indicators Art-Net IP ating Art-Net ArtsDM IP ating ISITI DMX-T IP atin Mart after IP atin	-	1* LAN port (RJ45)		
IP ratingIP PatingIP PatingIP PatingIP ratingIP PatingIP PatingIP PatingIP PatingLED IndicatorsForward facture status indicatorIP PatingIP PatingLED IndicatorsForward facture status indicatorIP PatingIP PatingIP PatingDMX protocolsArt-Net Art-Net ANSI E1.20 Reak timeArt-RDM 	Connectors	•		
IP ratingIP 20IP ratingIP 20IP ratingIP 20IP ratingIP 20IP and the set of		(4 Pin Phoenix)		
IP ratingIP20IP ratingStatus indicatorLED IndicatorsForward faciry status indicatorNetwork Lin/ Activity indicators (RJ×5 Port)Art-NetArt-NetArt-NetArt-RDMBOMX protocolsArt-NetArt-NetDMX protocolsBreak time200msDMX protocolsBreak time200msArt-Net merging2 SourcesMax. channels2 SourcesMax. channels2 SourcesMax. refresh rate43FPSNetwork Speed10/100Bas=-Power over EthernetIEEE 802.3aFNetwork configurationYesPower over EthernetStatic (defaut 192.168.0.10) / DHCP.Firmware updatesThrough weitrefaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. neat dissipation7WMax. heat dissipation7WOperating temperatureSourface To 120°FOperating temperatureSourface To 120°FOperating temperatureSurface mouteMax. for optionesSurface mouteMax. for optionesSurface mouteMax. heat dissipation7W <td colspan="2">-</td>		-		
LED IndicatorsForward facior indicatorLED IndicatorsSatus indicators (Rispective)eDMX protocolsArt-Net sACNArt-RDM SACNDMX protocolsUSITT DMX51 ANSI E1.20 RDMDMX protocolsBreak time Break time200msDMX & RDM timingsMark after Break (MAB)20msArt-Net merging Max. channels2 Sources20msMax. channels2 universes (MAB)20msMax. refresh rate Max. refresh rate20 Surces20msNetwork Speed10/100Bas10/100BasPower over Ethernet IEEE 802.3aTStatic (default 192.168.0.10) / DHCP.Firmware updates Inbuilt DMX termination Max. neat dissipationStatic (default 192.168.0.10) / DHCP.DC input voltage Max. heat dissipation0°C to 50°C 32°F to 122°FOperating humidity Body materialSurface mourtMounting optionsSurface mourt		(2 Pin Phoenix)		
IndicatorIndicatorsNetwork Link / Activity indicators (R/45 Port)Art-NetArt-RDMArt-NetArt-RDMSACNESPDMX protocolsUSITT DMX5	IP rating	-		
Network Link / Activity indicators (R/45 Port)PDMX protocolsArt-Net sACNArt-RDM SSPDMX protocolsUSITT DMX5'	LED Indicators			
sACNESPsACNESPDMX protocolsUSITT DMX5::				
sACNESPDMX protocolsUSITT DMX512-AANSI E1.20 RDMANSI E1.20 RDMDMX & RDM timingsBreak time200msMark after Break (MAB)20msArt-Net merging2 SourcesMax. channels2 universes (1024ch)Max. refresh rate43FPSMax. refresh rate43FPS10/100Base-TPower over EthernetIEEE 802.3afNetwork Speed10/100Base-TPower over EthernetStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web-terfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. heat dissipation7WMax. heat dissipation7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidityABS plasticBody materialABS plasticMounting optionsSurface mount	oDMX protocols	Art-Net	Art-RDM	
DMX protocolsANSI E1.20 RDMANSI E1.20 RDMANSI E1.20 RDMArt-Net mergingBreak time Break (MAB)20msArt-Net merging2 Sources20msMax. channels2 universes (1024ch)Max. refresh rate43FPSMax. refresh rate43FPS10/100Base-TNetwork Speed10/100Base-T10Power over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. heat dissipation7WMax. heat dissipation7WOperating temperature0° C to 50° C 32° F to 122° FOperating humidityABS plasticBody materialABS plastic	edmx protocots	sACN	ESP	
ANSI E1.20 RDMDMX & RDM timingsBreak time mark after Break (MAB)20msArt-Net merging2 SourcesMax. channels2 universes (1024ch)Max. refresh rate43FPSNetwork Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. heat dissipation7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	DMV protocolo	USITT DMX512-A		
DMX & RDM timingsMark after Break (MAB)20msArt-Net merging2 SourcesMax. channels2 universes (1024ch)Max. refresh rate43FPSNetwork Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidityS- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount		ANSI E1.20 RDM		
Art-Net merging2 SourcesMax. channels2 universes (1024ch)Max. refresh rate43FPSMetwork Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. heat dissipation7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	DMX & RDM timings	Break time	200ms	
Max. channels2 universes (1024ch)Max. refresh rate43FPSNetwork Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plastic Surface mount			20ms	
Max. refresh rate43FPSNetwork Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Art-Net merging	2 Sources		
Network Speed10/100Base-TPower over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Max. channels	2 universes (1024ch)		
Power over EthernetIEEE 802.3afNetwork configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Max. refresh rate	43FPS		
Network configurationStatic (default 192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Network Speed	10/100Base-T		
Network configuration192.168.0.10) / DHCP.Firmware updatesThrough web interfaceInbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Power over Ethernet	IEEE 802.3af		
Inbuilt DMX terminationYesDC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Network configuration			
DC input voltage7-24V DCMax. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Firmware updates	Through web interface		
Max. power draw7WMax. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Inbuilt DMX termination	Yes		
Max. heat dissipation7WOperating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	DC input voltage	7-24V DC		
Operating temperature0°C to 50°C 32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Max. power draw	7W		
Operating temperature32°F to 122°FOperating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Max. heat dissipation	7W		
Operating humidity5- 95% (non-condensing)Body materialABS plasticMounting optionsSurface mount	Operating temperature			
Body material ABS plastic Mounting options Surface mount				
Mounting options	Operating humidity			
Mounting options	Body material			
TS35 DIN-Rail mount	Mounting options	Surface mount		
		TS35 DIN-Rail mount		

Unit dimensions	100.5 * 72.25 * 34mm	
Unit weight	0.11kg / 0.24lbs	
Shipping dimensions	140 * 140* 40mm	
Shipping weight	0.16kg / 0.35lbs	
Warranty	3 year return to base manufacturer warranty	

Certification CE出版企业

Box contents

- DIN ETHERGATE
- TS35 DIN clip & screws

Wiring



Application diagram



Safety

- Do not expose the device to rain or moisture. This unit is intended for indoor use only.
- Do not remove the cover, there are no user serviceable parts inside.
- Never connect DMX GND to an electrical 'earth' connection.
- For additional flexibility and increased protection ENTTEC recommends the use of a DMX splitter.

Ordering information

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

Item	SKU
DIN ETHERGATE	71030

ENTRY OF CONTRACT OF CONTRACTON OF CO

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



ID: 5928464

Document Updated: April 2021

