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Enttec's New Datagate – The Most Powerful DMX Tool Available?

Ethernet is fast becoming the preferred method of DMX distribution for lighting professionals. Enttec's new Datagate is designed to make this process simpler, easier and more powerful.



The Datagate is perhaps the most versatile tool available for DMX over Ethernet distribution. It can act as a DMX Splitter, a DMX-Ethernet Node, a DMX Merger, or when coupled with 3rd party wireless Ethernet gateways, a wireless DMX transmitter/receiver.

It features 8 DMX ports and an Ethernet connector. Port 8 is supplied with a DMX input *AND* a DMX output connector, allowing the Datagate to accept a standard DMX signal and distribute it to the other DMX ports, like a standard DMX Splitter. The 7 other ports can also be configured as inputs, and DMX 'gender changers' are supplied to enable multiple DMX inputs to be processed by the Datagate. The input signals can then be merged or copied to the other DMX outputs, or converted to Ethernet.

An example of this is shown in the first drawing (see page 3) "Using the Enttec Datagate For Two Universe DMX Distribution". The lighting desk shown has two standard DMX outputs, which are plugged into Ports 7 & 8 on the Datagate. The DMX is then split, so that DMX Universe 1 is output on Ports 1,2 & 3, and DMX Universe 2 is output on Ports 4,5 & 6. In this drawing, Universe 1 is controlling the conventional lights, and Universe 2 is controlling the moving lights.

The Datagate also converts both universes to Ethernet, which is sent to a wireless Ethernet access point, then transmitted to the audience lighting position, where it is decoded via an Enttec DMXEthergate Mk2, which outputs Universe 1 on its first DMX port, and Universe 2 on its second DMX port.

The Datagate can also accept DMX-over-Ethernet and distribute it to its DMX Ports in any configuration. The second drawing (also on page 3) "Using the Enttec Datagate in Wireless DMX Distribution" shows an example of this.

The lighting desk in this drawing is already Ethernet-enabled. It outputs 4 Universes of DMX via its inbuilt Ethernet connector to a wireless Ethernet access point. This transmits to another access point which is plugged into the Ethernet connector on the Datagate.

The Datagate decodes the Ethernet signal into standard DMX, and splits each Universe to two DMX ports – eg: Universe 1 is output on DMX ports 1 & 2, Universe 2 is output on DMX ports 3 & 4.

The Datagate can also merge control signals, as demonstrated in the drawing on page 4 "Using the Enttec Datagate in Wireless DMX Distribution with a Rigger's Remote".

In this example, the lighting desk is Ethernet enabled, and outputs a single Universe of DMX to a wireless Ethernet access point. This transmits to another access point plugged into the Datagate.

A Rigger's Remote is also plugged into the Datagate, via the DMX input connector on Port 8. The Datagate merges the control signal from the lighting desk and the Rigger's Remote and outputs 8 optically-isolated outputs of the same Universe. The Merging can be configured as HTP or LTP.

To assist you in choosing from the hundreds of combinations available, the Datagate is supplied with in-built factory 'profiles' of the most common configurations. However, if these profiles don't suit your needs, you can configure the Datagate via the LCD interface, or by dialling into its in-built webpage.

You may not immediately require all of the features of the Datagate, which is why it is available in 3 fully-upgradeable models. The Datagate D is simply a DMX splitter. It has one dedicated input and 8 outputs, is optically-isolated to 1500V, and is RDM (talkback) ready. However, you can convert any of the inputs to outputs, and have a 2 input, 7 output splitter, or any other combination you can think of.

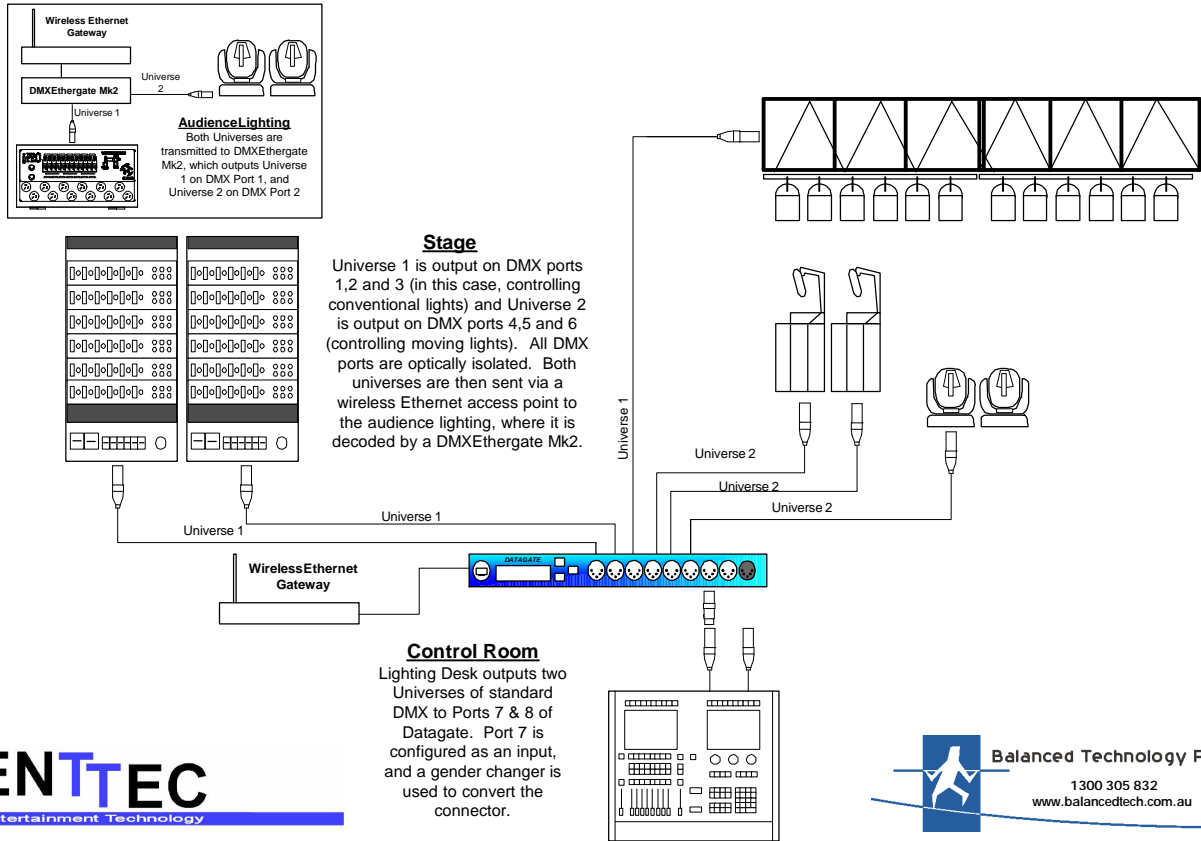
The Datagate DM is a DMX splitter and merger. With this unit, you can accept up to 7 DMX inputs and merge them all to one DMX output, or split some inputs and merge others. When you are ready to begin using Ethernet, you simply purchase the software upgrade to the Datagate DME.

The Datagate DME is the full version, allowing Ethernet to DMX and DMX to Ethernet conversion, DMX merging and DMX splitting. It is also ArtNet compatible, meaning it will interface via Ethernet with most major manufacturer's equipment. The Datagate is truly the next step in DMX distribution over Ethernet.

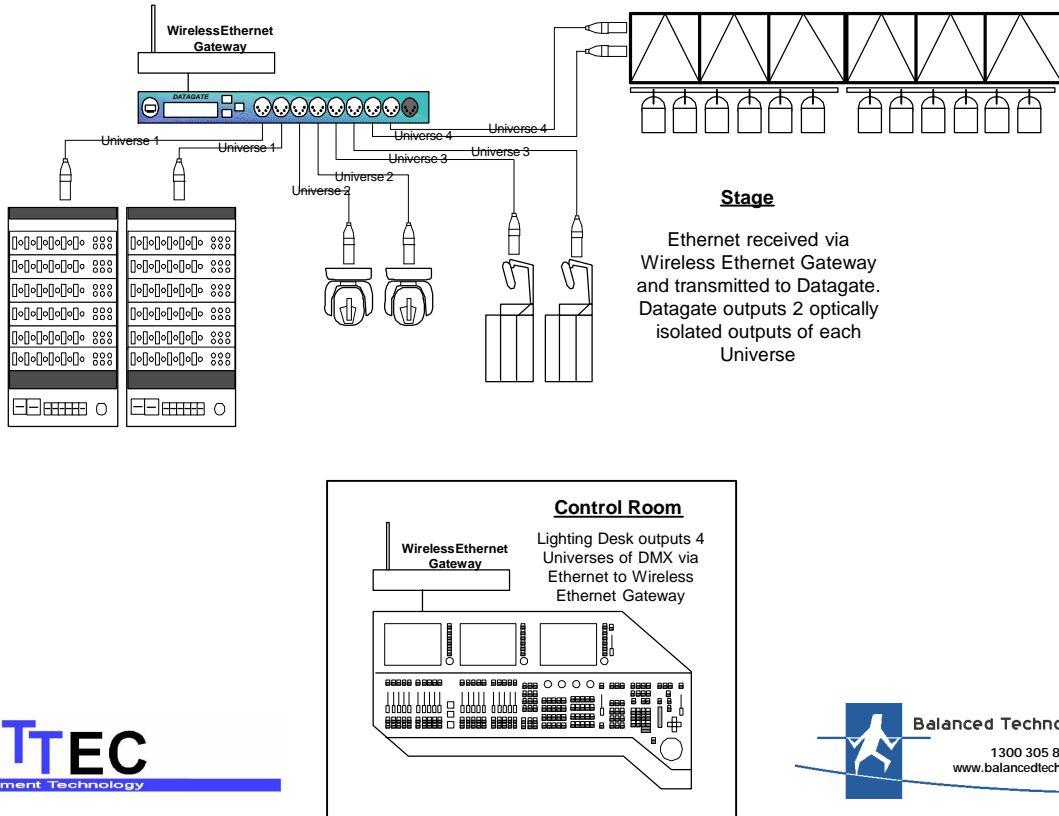
For Availability, Pricing or Information, call Balanced Technology on 1300 305 832.

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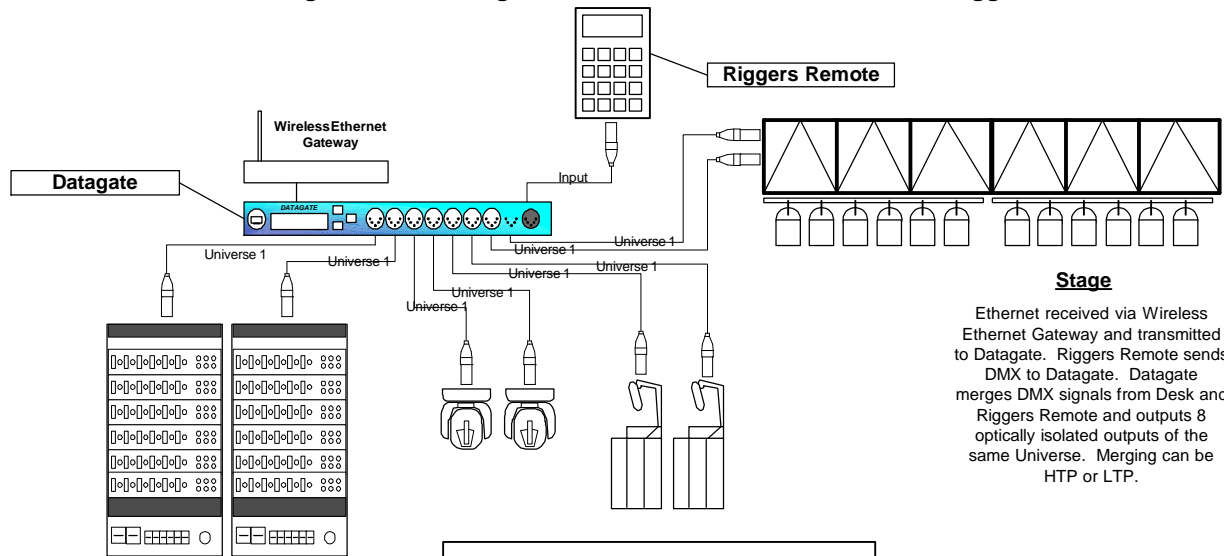
Using the Enttec Datagate for Two Universe DMX Distribution



Using the Enttec Datagate in Wireless DMX Distribution



Using the Enttec Datagate in Wireless DMX Distribution with a Riggers Remote



Stage

Ethernet received via Wireless Ethernet Gateway and transmitted to Datagate. Riggers Remote sends DMX to Datagate. Datagate merges DMX signals from Desk and Riggers Remote and outputs 8 optically isolated outputs of the same Universe. Merging can be HTP or LTP.

