



Key Features

- 32 output channels.
- Capable of delivering up to 1.25A per channel.
- Variable channel brightness (256 discrete levels).
- Industry standard 5-pin XLR DMX-512 input and output.
- USB to DMX built-in, no need for additional dongle or converter.
- Switchable termination for DMX.
- DIP switch selection for DMX base channel.
- Ability to operate as a stand-alone sequencer with 496KB flash memory.
- Built-in test mode.
- Utilises 32-bit microprocessor technology.
- Available in 3 voltage versions: 12V, 24V, 48V.

The SpriteDrive™ DMX32USB is capable of driving 32 channels of low-voltage lighting, each channel with independent variable brightness. A DMX-512* input is used to set the brightness of each channel.

Typically used to control entertainment or architectural lighting applications, such as indoor and outdoor lighting, signs, colour washes or sequenced effects, the DMX32USB can drive a wide range of luminaries or LEDs.

Up to sixteen DMX32USB units can be linked together using the on-board XLR plug and socket to provide a maximum of 512 separate channels. Further channels can be added using separate DMX sources (known as universes).

Three modes of operation can be selected through the USB interface using the configuration utility provided:

1. DMX In Mode – The DMX input signal is accepted from either the DMX or USB interface.
2. DMX Out Mode – The DMX signal from the USB interface is also output on the DMX connector to drive further DMX-512 devices (no need for a USB to DMX converter).
3. Sequence Mode – The DMX32USB can be loaded with a custom sequence so that it can operate as a stand-alone sequencer.

The DMX32USB also has a built-in test mode that requires no DMX input signal, allowing the unit to run in a free-standing demonstration mode. The test mode is activated by setting the DMX base address to zero via the DIP switches.

The USB interface is based on the popular FTDI FT232BM chip.

*DMX-512 is an industry standard protocol for control of lighting.

The DMX32USB is mounted on a robust metal chassis allowing easy access to the 32 output channels through two 16-way durable connectors located on the rear side of the unit.

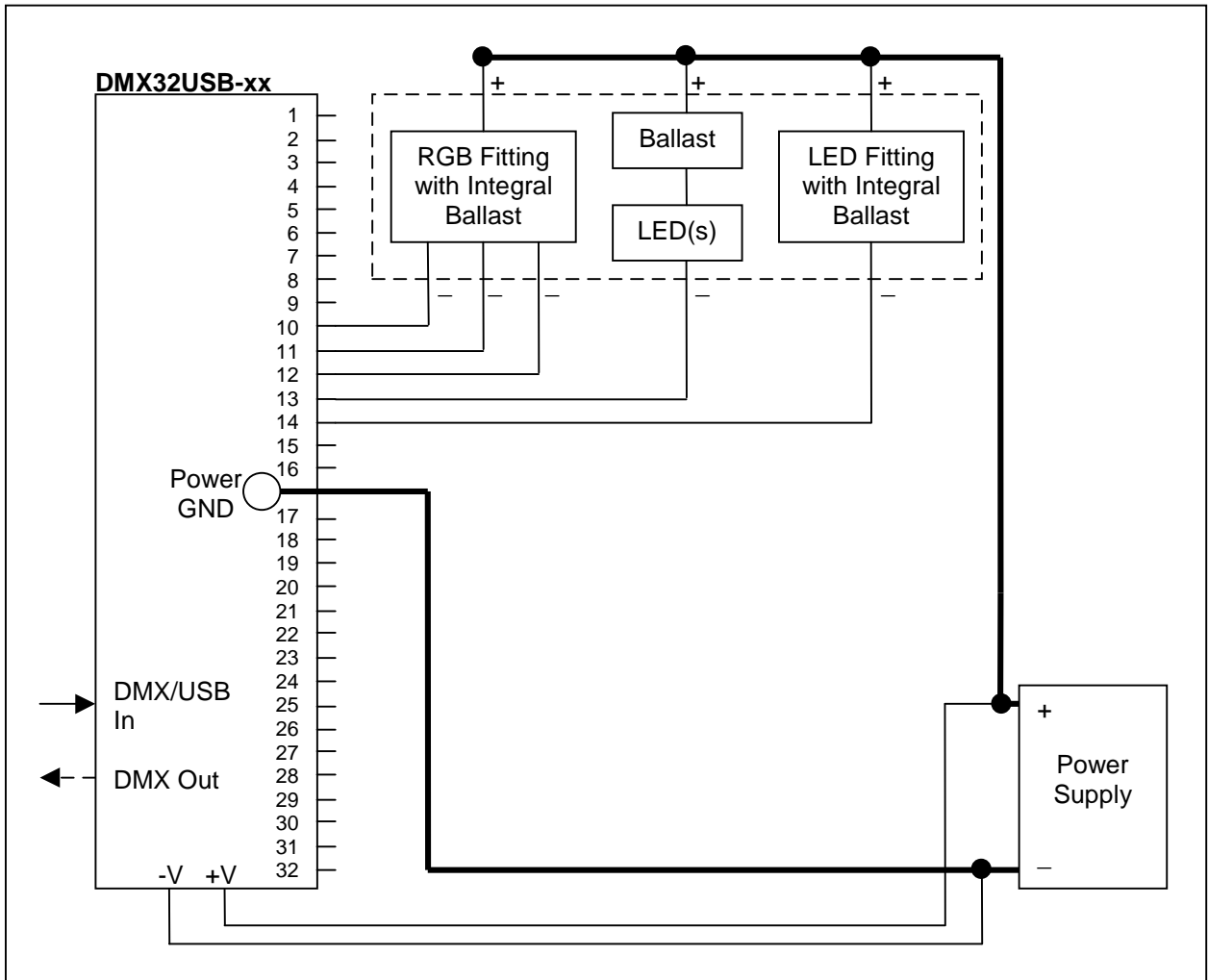
Each of the 32 outputs has inherent overload protection through use of an automatic resetting thermal fuse.

An LED indicator is located near each of the output channels to provide easy viewing of channel brightness.

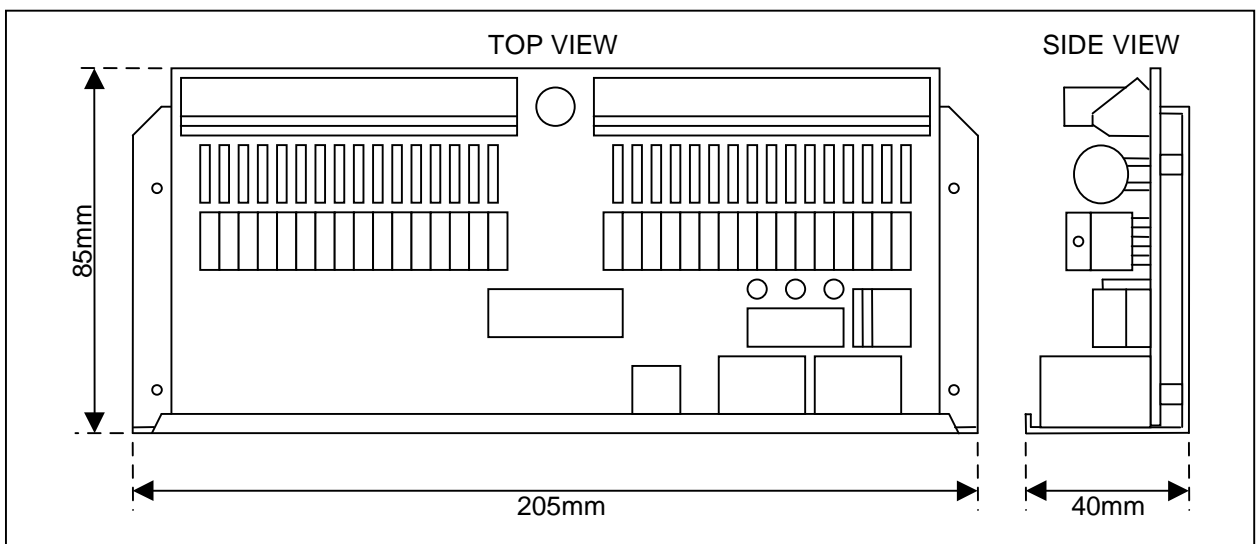
Technical Specification

Parameter	Min.	Typ.	Max.	Unit	
Input Voltage	(12V Version)	9.6	12	18.6	V
	(24V Version)	18.6	24	36.6	V
	(48V Version)	36.6	48	72.6	V
Input Current	(12V Version)	-	240	-	mA
	(24V Version)	-	120	-	mA
	(48V Version)	-	60	-	mA
Max. Total Load Current	-	-	40	A	
Max. Channel Load Current	-	-	1.25	A	
Max. Load Voltage	-	-	48	V	
Sequencer Memory	-	-	496	KB	

Typical Connection Diagram



Mechanical Dimensions



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