Protocol Converter DMX | Stream to Siti DM412|621|414 | Macroblock MBI6024 |6030|WS2801.

Kibo|Mutt

Kibo Mutt

Affectionately called the Mutt. The unit will accept DMX512 or Stream serial data from a RS485 network and convert to a variety of LED addressable driver protocols commonly used in video displays, LED dots on wires, LED tapes and more.

The onboard dip switch makes addressing simple. It's small size allows for easy placement into junction boxes or simply tuck out of view. Pluggable terminal blocks makes installation normal by eliminating specialized tools. For the theatrical installer this unit supports a variety of gamma tables to ensure the LED product can display the full spectrum of color even when stage lighting is at minimum levels.

Advanced features include color correction per pixel, color adjustment per string or tape. In addition pixel duplication, addressing and built in test patterns makes this unit far more useful than existing products. The built in KiboMenu serial interface does not require specialized or costly software because it is free. This design ensures each unit regardless of version has the correct software and features.

Features

- DMX512 and Serial RS485 protocol input
- Dip switch and menu pixel addressing
- Artnet compatible with Artnet LAN interface
- Earth shield for solid grounding from EMI
- Serial terminal mode menu configuration
- Five gamma correction options
- Variety of LED driver protocols
- Built in test patterns and effects
- Per LED pixel color correction
- Per String or Tape color adjustment
- Pixel data grouping or multiplier
- Baud rate adjustment to increase bandwidth
- 8bit input 8-16 bit output conversion

KiboWorks
Custom LED Technology

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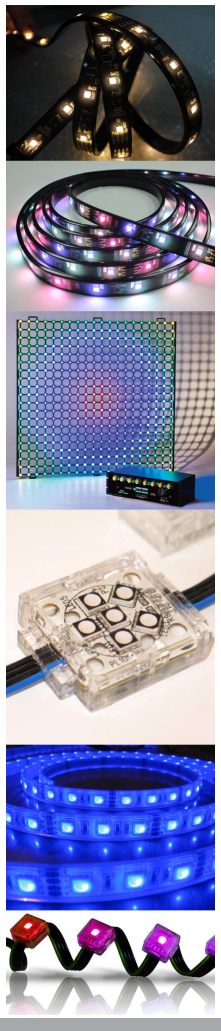
Mechanical	
Housing	Plastic Enclosure
Material	PVC Black Plastic
Overall Dimensions	20mm (H) x 35mm (W) x 77mm (L)
Mounting	2x M6 screw mounting slots
Electrical	
Power Input	6-30DCV @ 5 amp class II max though current
Power Output	6-30VDC
Input Connector	Pluggable Terminal Block, 5 contacts 3.5mm
Environmental	
Operating Temperature	0°C to 40°C
Operating Relative Humidity	90% Non-Condensing
IP Rating	IP20 Dry location use only
Certification	CE
Cooling	Convection
Warranty	3 Year
Control	
Control Bandwidth	1 Universe DMX
DMX Addresses	512 (170 RGB Fixtures)
Input Protocols	DMX, and Stream (ArtNet compatible with Artnet LAN interface)
Input Connector	Pluggable Terminal Block, 5 contacts 3.5mm
Output Protocols	Siti, MB, SAMHOP, WS2801
Output Connector	Pluggable Terminal Block, 5 contacts 3.5mm
Configuration	Internal Dip Switch
	IP Address
	Output Protocol per Universe
	5 Gamma Correction options
	Built in test patterns and effects
	Per String or Tape color adjustment
	Pixel data grouping or multiplier
	8bit input 8-16 bit output conversion
	Variable Baud Rates 240kb, 230kb, 115kb
Isolation / Protection	
Isolation	DMX Output - Ground Referenced
Interface / Indication	
Connections	Pluggable Terminal Block, 5 contacts 3.5mm
Indication	Config, Receive Data, Transmit Data



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