

I Intelligent
M Marquee
S Systems

**Individually DMX Controlled
 Marquee / Festoon Lighting Systems**

IMS MK2

**The BEST of IMS with
 NEW features and
 options!**



- **Redesigned! Improved! Brighter!!**
- **RGBWW, Dynamic White, and “Filament” versions**
- **Shatterproof! Indoor/outdoor!**
- **2-wire system – Power and data share the same two wires**
- **Classic “Retro” look. Standard Edison base, retrofits in existing systems**



Simple Universe Drive



Hand Held Programmer



Universe Drive



Universe Drive
IP65



Universe Drive DIN Rail



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Lamp Specifications			
	RGBWW	Dynamic White	V12 "Filament"
LEDs	4 x Cree LEDs		12 x LEDs
Lumen Output (LM)	TBA		53.3
CCT	n/a	2200-6500K	2200K
Power Consumption	1.8W		1.6W
Screw Base	E26		
Power Input	24 VDC		
Data Input	DMX		
Dimensions	Lamp Only (dia, height)	1.78", 1.57" (45, 40 mm)	
	Lamp + Socket (width, height)	1.78", 2.64" (45, 67 mm)	
Field Addressable	Optional remote Hand Held Programmer (HHP)		
DMX Channels ¹	4	2	1
Material	Frosted Polycarbonate, UV Resistant, Shatterproof. E26 metal screw base ²		Transparent Polycarbonate, UV Resistant, Shatterproof. E26 metal screw base ²
Lamp Shape	G-type lamp		
Exterior Colour	White		Clear

¹ RGBWW Lamps: 4 DMX channels per lamp. Maximum possible uniquely addressed lamps per DMX universe – 128
Dynamic White Lamps: 2 DMX channels per lamp. Maximum possible uniquely addressed lamps per DMX universe – 256
V12 "Filament" Lamps: 1 DMX channel per lamp. Maximum possible uniquely addressed lamps per DMX universe – 512

² For outdoor use application of a thin coat of silicone grease to bulb's metal screw base before inserting in socket is recommended.

Universe Drive Specifications					
	Multiple Universe Drive (2U)	Simple Universe Drive (2U)	Universe Drive (PortableMount)	Universe Drive IP65 (IP Rated)	Universe Drive (DIN Rail)
Operating Voltages	90-260 VAC				24 VDC
Frequency Tolerance	50-60 Hz				
Power Consumption	1200 W	1200 W	300 W	300 W	External 250 W PSU required
Number of Outputs	8	8	2		
Output Voltage	24 VDC				
Number of Universes	4	1			
Power Input	Neutrik PowerCON NAC3MPA-1			Phoenix MSTB 2+2-terminal ³	Phoenix MSTB 2-terminal ³
Power Thru	None		Neutrik PowerCON NAC3MPB-1	None	
DMX512 Input	Neutrik XLR-5	Neutrik XLR-5		Phoenix MSTB 3-terminal ³	
DMX512 Thru	Neutrik XLR-5			Phoenix MSTB 3-terminal ³	
Ethernet Input	Neutrik EtherCON	None			
Power/Data Outputs	8x Neutrik SpeakON NL2 2-pole		2x Neutrik SpeakON NL2 2-pole	2x Phoenix MSTB 2-terminal ³	
Max. Cable Length	246 ft. (75m) to last lamp, max. 64 lamps, using 14 AWG / 2.5 mm ² 2-conductor festoon cable ⁴				
Dimensions (HxWxD)	3.5 x 19 x 12" [90 x 483 x 305 mm]		With yoke: 4.75 x 8 x 10.69" [120.6 x 203.2 x 271.5 mm] Without yoke: 3.44 x 7.75 x 10.69" [87.4 x 196.8 x 271.5 mm]	4.53 x 10.75 x 10" [115 x 273 x 254 mm]	1.55 x 4.1 x 3.63" [39.5 x 104 x 92.3 mm]
Shipping Dimensions (HxWxD)	8 x 21 x 16" [203 x 533 x 406 mm]		7.3 x 10.25 x 13.5" [186 x 261 x 343 mm]	TBD	TBD
Weight	15 lb [6.8 kg]	16.3 lb [7.4 kg]	8.7 lb [3.9 kg]	TBD	6.13 oz [174 g]
Shipping Weight	TBD	18.3 lb [8.3 kg]	9.5 lb [4.3 kg]	TBD	TBD
Colour	Blue			Blue	Blue / Silver

³ Included

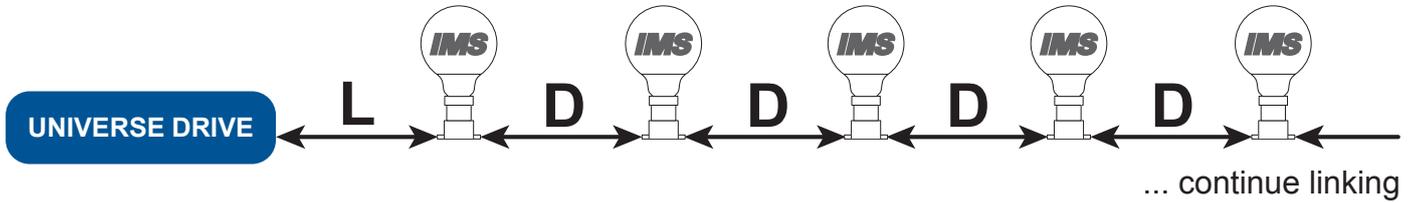
⁴ See page 3 for Cable Length / Lamp Spacing Tables

Hand Held Programmer Specifications	
Power Input	5V micro USB
Battery	Internal lithium-ion rechargeable battery
Dimensions (HxWxD)	7.25 x 3.25 x 1.375" (184 x 83 x 35 mm)
Weight	0.8 lbs. (0.36 kg)
Connector	E27 threadless socket



- Upload latest firmware to lamps
- E27 threadless socket to quickly test, colour check, and update individual lamps
- Test lamp systems w/various colour & intensity presets
- DMX address lamps
- Connect to Universe Drive via onboard 5-pin connector. Output test patterns to fully-loaded lamp strings without a console!

Cable Length / Lamp Spacing Tables*



if $D = 15\text{ cm}$		
Cable setting	L	Max.
Short	1 m	64
Medium	5 m	64
Long	20 m	64
Short with transcoding	5 m	64
Medium with transcoding	25 m	64
Long with transcoding	55 m	64

if $D = 30\text{ cm}$		
Cable setting	L	Max.
Short	1 m	51
Medium	5 m	64
Long	10 m	64
Short with transcoding	5 m	64
Medium with transcoding	20 m	64
Long with transcoding	50 m	64

if $D = 50\text{ cm}$		
Cable setting	L	Max.
Short	1 m	41
Medium	1 m	64
Long	10 m	64
Short with transcoding	1 m	62
Medium with transcoding	15 m	64
Long with transcoding	45 m	64

if $D = 100\text{ cm}$		
Cable setting	L	Max.
Short	1 m	30
Medium	1 m	46
Long	1 m	64
Short with transcoding	1 m	45
Medium with transcoding	1 m	64
Long with transcoding	40 m	64

* The above settings are recommended using IMS122CL3 cable. Settings may vary depending on cable type, IMS control data transfer rate, and other conditions. The settings are examples of different scenarios and their tested results.

LEGEND	
	IMS Lamp
Max. 	Max. amount of working lamps
L	Length of cable between Universe Drive and first lamp
D	Distance between lamps (cm)

