

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



IP65 Universe Drive



Hand Held Programmer



Universe Drive



Universe Drive DIN Rail

Innovative, Performance-Driven Show Technology Since 1983

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Lamp Specifications

		RGBWW	Dynamic White	V12 "Filament"
LEDs		4 x Cree LEDs		12 x LEDs
Lumen Output (LM)		Red - 15.19 lm Green - 31.89 lm Blue - 5.53 lm Warm White - 18.76 lm RGBWW at Full - 66.24 lm	Cool: 64.49 lumens Warm: 40.35 lumens C/W at Full: 103.28 lumens	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 in., 1.57 in. (45, 40 mm)		
	Lamp + Socket (width, height)	1.78 in., 2.64 in. (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
Operating Temp		-4 °F to +104 °F (-20 °C to +40 °C)		

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.

ProPlex IMS Universe Drive Specifications

	Multiple Universe Drive (2U)	Simple Universe Drive (2U)	Universe Drive (PortableMount)	Universe Drive IP65 (IP Rated)	Universe Drive (DIN Rail)
Part Number	PPMK2MUD	PPMK2SUD	PPMK2UD	IMSMK2IPUD	IMSMK2DINUDA
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				
Operating Temp	-4 °F to +104 °F (-20 °C to +40 °C)				
Dimensions (HxWxD)	3.5 x 19 x 12 in. [90 x 483 x 305 mm]	With yoke: 4.75 x 8 x 10.69 in. [120.6 x 203.2 x 271.5 mm] Without yoke: 3.44 x 7.75 x 10.69 in. [87.4 x 196.8 x 271.5 mm]		4.53 x 10.75 x 10 in. [115 x 273 x 254 mm]	1.55 x 4.1 x 3.63 in. [39.5 x 104 x 92.3 mm]
Shipping Dimensions (HxWxD)	8 x 21 x 16 in. [203 x 533 x 406 mm]	7.3 x 10.25 x 13.5 in. [186 x 261 x 343 mm]		TBD	4 x 6.625 x 6.625 in. [101.6 x 168.3 x 168.3 mm]
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	17 lb [7.7 kg]	18.3 lb [8.3 kg]	9.5 lb [4.3 kg]	TBD	0.65 lb [0.28 kg]
Colour	Blue			Silver	Blue / Silver

³ Included

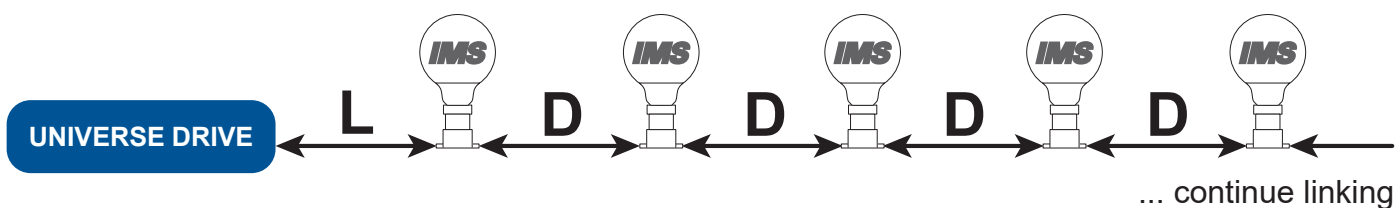
⁴ See page 3 for Cable Length / Lamp Spacing Tables

Hand Held Programmer Specifications	
Part Number	IMSMK2HHP
Power Input	5V micro USB
Battery	Internal lithium-ion rechargeable battery
Dimensions (HxWxD)	7.25 x 3.25 x 1.375 in. (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 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 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

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

if D = 50 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 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.