ProtoPixel Long-Range v2
LED Controller

overview

Robust, versatile and powerful. The ProtoPixel Long-Range is the perfect LED Controller for large scale projects.

The ProtoPixel Long-Range Controller allows control of a wide range of digital LED fixtures and each unit can handle up to 9600 RGB LEDs.

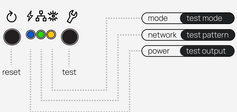
It fits all standards through a centralized, safe, and accessible setup in a rack.

Standard PoE Ethernet 10/100 Mbps port, for both power and data.

1. dimensions

Width: 215 mm , Length: 54 mm, Height: 40 mm, Weight:520gr

2. operation



Enter test mode

hold the test button for 3 seconds. The test mode indicator will turn on (orange)

Change the test pattern

in test mode press the test button to select the desired pattern to test. The unit comes with 10 patterns that you can use to test your installation in stand-alone mode

Select the test output

press the reset button. Power LED will blink n times indicating the number of the output

Exit Test Mode

hold the test button for 3 seconds

Reset

hold the reset button for 3 seconds. All LEDs will blink slowly

Factory Reset

hold the reset button for 10 seconds to restore the Long-Range to its factory settings. All LEDs will blink fast

Test pattern options

0 Channel Run	5 All channels
1 Channel 1	6 CH1 + CH2
2 Channel 2	7 CH2 + CH3
3 Channel 3	8 CH1 + CH3
4 Channel 4	9 Dynamic

3. connections

Data Outlets

each terminal contains A, B and SCR pins for a standard RS485 connection.
Each of the outputs needs a ProtoPixel Long Range Receiver

Power over Ethernet (PoE)

Standard PoE Ethernet 10/100 Mbps port, for both power and data. 802.3af compliant

USB Port

a USB Micro port for firmware updates

4. rack mount *

the **ProtoPixel Long-Range** can be rack mounted to a standard 19" rack using the **rack mount system** (sold separately)

5. specifications

Dimensions		
	Width	215mm
	Depth	54mm
	Height	40mm
	Weight	500gr
Electronics (power)		
	Power over Ethernet	802.3af compliant
Supported LED ICs		
	Supported ICs	WS2811, WS2812, WS2812B, WS2813, WS2815, Neopixel, SK6812, GW6205, UCS1903, UCS1903B, UCS2904 and CS8812 protocol families.
Control		
	Number of pixels per outlet	RGB: up to 1200 pixels at 27FPS RGBW: up to 900 pixels at 27FPS
	Framerate	min: 27 FPS (using max pixels per outlet) max: > 500 FPS (using 1 pixel per outlet)
Communications		
	Ethernet	Yes
	Wi-Fi	No
Shell		
	Material	Steel
	Finish	Matte Black
Indicators		
	LED 1	Status (Blue)
	LED 2	Network (Green)
	LED 3	Test (Orange)
Wiring		
	Data outlets	8 X 3-way pluggable terminal blocks. 1 for each data outlet. Each block contains A, B and SCR pins for standard RS485 connection
	Mounting	1 or 2 units in single rack space
Protection		
	Isolation	IP 30
Environmental		
	Operating temperature	0ºC to 70ºC
Other		
	Country of origin	Spain
Warranty		
		3 Years