

# ProtoPixel LED CONTROLLER



## Description

The ProtoPixel LED Controller allows to **control any type of LED fixture** and can handle up to **4800 LEDs**.

Its ports can be configured to be digital outputs (compatible with PWM pulses) or SPI outputs for the APA102 based Light fixtures.

ProtoPixel Controllers are provided with a standard Ethernet 10/100mbps port compatible with current network standards and it allows multiple ProtoPixel controllers to connect to the same local network.

For **simplifying your LED infrastructure**, it comes with two satellites

Each satellite handles 4 data outlets through green 2-port screw connector to LED fixtures (1-4 for the first satellite, 5-8 for the second one), with data from an ethernet connector, connected to the controller. An additional black 2-port screw connector allows you to externally wire it to negative and ground.

## Features

- Comes with a USB power connection and a standard Ethernet 10/100mbps port.
- Multiple Controllers can be connected to the same local network, making your lighting control infrastructure simpler and more affordable.
- Controller comes with a set of satellites to help connecting fixtures distributed in large spaces. That means you will have only one cable connecting everything!
- Performance: up to 4800 LEDs @ 30fps (1600 LEDs @ 50fps).
- Ethernet connection with DHCP – integrating with your existing local network.
- Configurable: every setting accessible through ProtoPixel Create.
- Stand-alone testing mode: send patterns to check the connections with the LED fixtures without connecting it to the network.
- Easily powered: can be powered with a 5v power supply or with a USB charger (included).
- Connect everything: we use a satellite-like connection system to connect to any fixture you can imagine, without having to change the controller.
- Output: WS2811, WS2812b, WS2812d and Sk6812 protocol family.
- Warranty: 2 years limited
- Size: mm 65x89x26.

