# Pixel LED Strip Effect Control Systems Integration
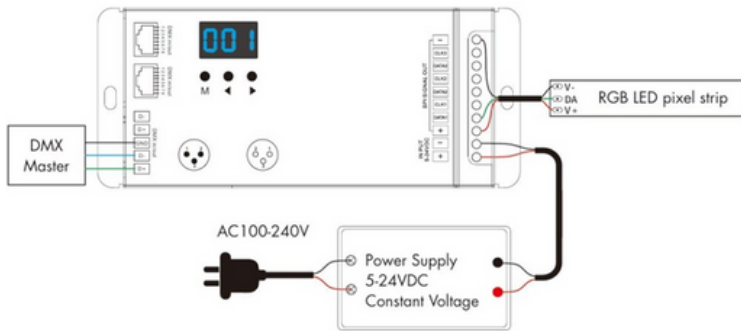
## Required Hardware:

Axion Pixel SPI LED DMX Decoder
Axion COB Pixel LED Strip
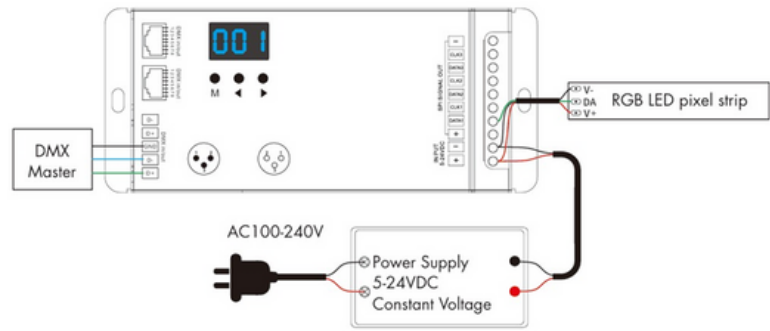Axion PoE & Wi-Fi DMX Controller V2
***Must be running firmware version 1.7.0 or higher***

### Hardware Connections

### Strip Connections OVER 10 Amps



*Please note that these strips are directional as indicated by the arrow on the PCB. When linking more than one strip, be sure the arrows all flow in the same way. If connecting more than 2 strips, additional power to the + and –wires will also be required every 2 additional strips. This can be delivered from the same power supply with a separate home run.*

## DMX Decoder Configuration

The easiest way to achieve one of the <u>32 different built-in effects</u> is to configure the DMX decoder for mode 2 operation.

1. The first step is to set the DMX Address of the decoder. By default, it is address 1. If you need to change this, use the arrow keys to select a new value. NOTE: In mode 2 it will use 3 DMX addresses so if you select address 25, it will use 25, 26, and 27. Verify this does not conflict or overlap other devices on the DMX bus.
2. Next, hold down the M and ◀ buttons at the same time to access the settings menu.
3. The first parameter is the IC type. Use the ◀ and ▶ buttons to select "C18".
4. Next, press and hold the M button for 2 seconds to exit the menu (or wait 10 seconds).
5. Now we will put the unit into Mode 2 by pressing and holding the M, ◀ and ▶ buttons at the same time to enter setup.
6. Use the arrow buttons to select "d-2".
7. Press and hold the M button for 2 seconds to exit the menu (or wait 10 seconds).

*You are now ready to integrate the control system. Add the new "Mode 2" driver that is available for free from our <u>Resources page</u>. Enter the starting DMX address you used in step 1 above and configure any additional properties based on the driver-specific instructions included.*