



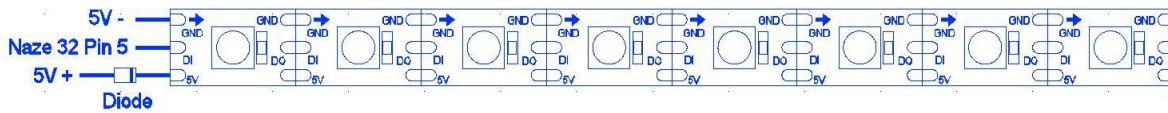
## Installing and programming LED strip on Gravity 250 and 280

The LED strip is programmable through Cleanflight. There are 3 connections to be made:

- Signal
- 5 volts positive
- 5 volts negative

The LED strip positive supply seems to be very voltage sensitive and requires a diode to bring the voltage down to slightly less than 5 volts.

The diode should be placed in line between the 5 volt positive and the LED strip with the white band towards the LED strip. The diode supplied should be used otherwise the LED strip will not receive the correct voltage. See diagram below:



It is important that the direction of the arrows on the LED strip is noted. The IN arrows are the ones to connect. OUT arrows are for connecting further LED strips. A maximum of 32 LED's can be used with Cleanflight. Enable LED strip from the Configuration tab in CleanFlight. See diagram below:

Enabled	Feature	Description
<input type="checkbox"/>	INFLIGHT_ACC_CAL	In-flight level calibration
<input type="checkbox"/>	SERVO_TILT	Servo gimbal
<input type="checkbox"/>	SOFTSERIAL	Enable CPU based serial ports (configure port scenario first)
<input type="checkbox"/>	SONAR	Sonar
<input type="checkbox"/>	TELEMETRY	Telemetry output
<input type="checkbox"/>	3D	3D mode (for use with reversible ESCs)
<input checked="" type="checkbox"/>	LED_STRIP	Addressable RGB LED strip support
<input type="checkbox"/>	DISPLAY	OLED Screen Display
<input type="checkbox"/>	BLACKBOX	Blackbox flight data recorder

The middle signal wire should be connected to pin 5 on the Naze 32 board. The LED strip can only be used with a receiver running PPM mode. If PWM is used, pin 5 will not be available.

Once wired up, go to the LED strip tab in CleanFlight and have fun!. See diagram below:

