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Introduction:

Thank you for purchasing the LED Flag Display!

All displays are handmade and tested for function before shipping.

We hope you enjoy your flag display and that it will give you a new dimension to your simracing experience

Drivers & Software:

For the operation of your display you need the following software:

- Simhub in the current version: <https://www.simhubdash.com/download-2>

- Driver for the display: <https://sparks.gogo.co.nz/ch340.html>

Defective product:

If you received a defective display, please send me a email to info@ugx-shop.com

All displays shipped after 1.1.2021 will arrive with Simhub version 7.3.1+ and as RGB matrix.

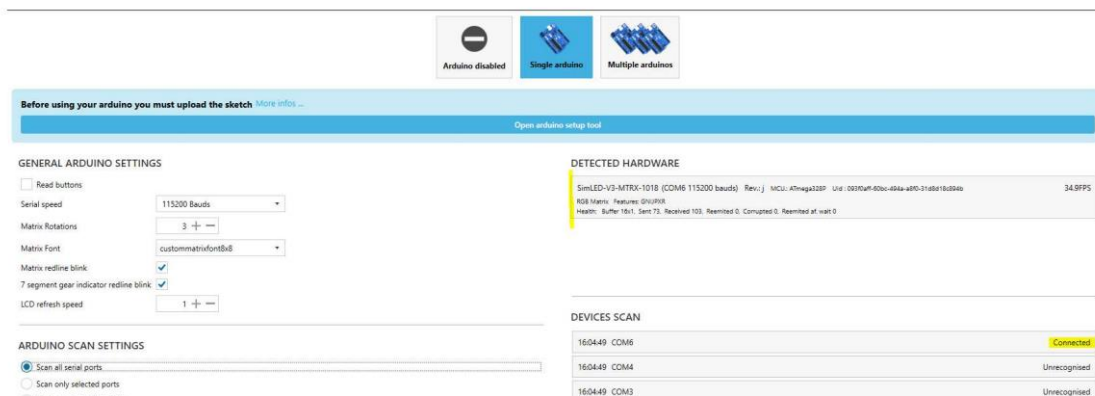
Connection and Operation:

Connect your LED module to your PC after installing SimHub and the driver.

Start Simhub and your module.

It should be automatically detected under Arduino -> My Hardware.

Have fun with your new SimRacing equipment!



The screenshot shows the SimHub software interface. At the top, there are three buttons: "Arduino disabled", "Single arduino", and "Multiple arduinos". Below these is a blue banner with the text "Before using your arduino you must upload the sketch" and a link "More info...". Underneath the banner is a section for "GENERAL ARDUINO SETTINGS" with various options like "Read buttons", "Serial speed" (set to 115200 Bauds), "Matrix Rotations" (set to 3), "Matrix Font" (set to custommatrixfontBd), and "Matrix redline blink" (checked). Below this is the "ARDUINO SCAN SETTINGS" section with three radio buttons: "Scan all serial ports" (selected), "Scan only selected ports", and "Never scan selected ports". To the right of the settings is the "DETECTED HARDWARE" section, which shows a table with one entry: "SimLED-V3-ATXRX-1018 (COM6 115200 bauds) Rev:J MCU: ATmega328P UID: 000100F4B00C464A-440C-3146B160846 34.9FF5". Below this is the "DEVICES SCAN" section, which shows a table with three entries: "160449 COM6" (Connected), "160449 COM4" (Unrecognised), and "160449 COM3" (Unrecognised).



Operation of more than one module or modules in addition to steering wheels with displays:

If you want to use more than one module, or if you want to use the module in addition to a steering wheel with a display that uses Simhub (e.g. GSI), it is mandatory to switch to multiple Arduinos. After that the module should be recognized correctly.

Change LED flag to matrix display


ATTENTION - A reflashing is only necessary in rare cases.

If you want to reflash your display to Matrix, please use these settings:

As hardware please choose Arduino Nano (old bootloader, or new if flashing fails)

Important, different names must be assigned if you use more than one display!

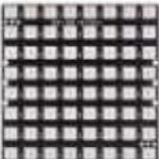
GENERAL



Device name,
make sure to use a unique name when using
multiple arduinos

GAMEPAD

WS2812B RGB MATRIX



Enable WS2812B 8x8 matrix ON

Data (DIN) digital pin number



Change LED flag to 64 single LED display


ATTENTION - A reflashing is only necessary in rare cases.

If you want to change your display to single LED please use these settings:

As hardware please choose Arduino Nano (old bootloader, or new if flashing fails)

Important, different names must be assigned if you use more than one display!


GENERAL



Device name,
make sure to use a unique name when using
multiple arduinos.

GAMEPAD

WS2812B RGB LEDS



WS2812B RGB leds count

Data (DIN) digital pin number

WS2812B RGB encoding
Set to 0 for GRB, 1 for RGB encoding, 2 for BRG
encoding

Reverse led order OFF

TESTING MODE : Light up all configured leds (in red
color) at arduino startup
It will clear after simhub connection OFF

ADVANCED : Use legacy adafruit library (only enable if
you have sketch size issues) OFF