Max72xxPanel

An Arduino library for controlling a canvas of sets of 8x8 LEDs driven by MAX7219 or MAX7221 controllers. Kits sold for below 10 USD.

This is a plugin for Adafruit's core graphics library GFX, providing basic graphics primitives (points, lines, circles, characters, etc.). So besides this library, you need to download and install Adafruit_GFX, *dated Jul 5th, 2013 or more recent*.

Written by Mark Ruys, mark@paracas.nl, 2013.

Cyrillic font added by Alexander Kropochev, alexander@kropochev.com, 2018.

Installation

Place the Max72xxPanel and Adafruit_GFX library folders in your `<arduinosketchfolder>/libraries/` folder. You may need to create the `libraries` subfolder if its your first library. Restart the Arduino IDE.

Features

- Double buffering to prevent screen flicker. Check out our example for usage.
- Support for multiple matrix displays, positioned in an arbitrary rectangular layout. You can define both the order as the rotation of each display.
- Uses the SPI library to address the display(s) connected in cascade.
- Low memory footprint.
- Fast, no use of NOOP's.
- Cyrillic font.

Usage

Read overview for instructions how to use Adafruit_GFX. Check out our examples to get some inspiration. Note that to update your displays, you need to explicitly call write().

At YouTube, you'll find a ticker tape and snake demo.