

# 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](#).

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## Installation

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Place the [Max72xxPanel](#) and [Adafruit\\_GFX](#) library folders in your `<arduinofolder>/libraries/` folder. You may need to create the `libraries` subfolder if its your first library. Restart the Arduino IDE.

## Features

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- 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.

## Usage

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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.

