

# Max72xxPanel

An Arduino library for controlling a matrix of 8x8 LEDs with a MAX7219 or MAX7221 display driver. [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](#).

Written by Mark Ruys, [mark@paracas.nl](mailto:mark@paracas.nl).

## Usage

---

Read [overview](#) for instructions how to use Adafruit\_GFX. Check out our [examples](#) to get some inspiration.

## Installation

---

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

---

- Double buffering to prevent screen flicker. Check out ticker tape example for usage.
- Support for multiple matrix displays in a horizontal layout, connected in cascade.
- Uses the [SPI library](#) to address the display(s).
- Needs very little memory.