## XC4629 128x128 Colour TFT Matrix

The XC4629 128x128 Colour TFT Matrix is based on the ST7735 IC ([datasheet available here](http://www.displayfuture.com/Display/datasheet/controller/ST7735.pdf)), and communicates via the SPI protocol.

The following connections work for an Uno:

|  |  |  |
| --- | --- | --- |
| Uno Pin | XC4629 Pin | Function |
| 5V | VCC | Power |
| GND | GND (either is OK) | Ground |
| 3.3V | LED | LED backlight control |
| D13 | CLK | Clock signal |
| D11 | SDI | Data signal |
| D9 | RS | Command/data select |
| D8 | RST | Reset |
| D10 | CS | Chip select |

Included with the (currently version 1.6.7) Arduino IDE, the TFT library is the easiest way to interface to the display module. Example code can be found under File>Examples>RETIRED>TFT>Arduino.

The library is documented at <https://www.arduino.cc/en/Reference/TFTLibrary>, and this page also details how to connect the display to other Arduino boards. Note that some manufacturers have provided similar modules with an SD card slot, whereas this module does not have the SD card slot- thus any references to the SD card slot should be ignored. The TFTBitmapLogo sketch assumes that the SD card slot is present and will not work with this module.