



PRODUCT NAME : RGB LCD Shield Kit w
/ 16x2 Character Display - Only
2 pins used! - POSITIVE DISP
LAY

PRICE : Rs 3,099.00

SKU : RM3248



DESCRIPTION

This new Adafruit shield makes it easy to use a 16x2 Character LCD. We really like the RGB LCDs we stock in the shop both the [RGB negative](#) and [RGB positive](#). Unfortunately, these LCDs do require quite a few digital pins, 6 to control the LCD and then another 3 to control the RGB backlight for a total of 9 pins. That's half of the pins available on a classic Arduino!

With this in mind, we wanted to make it easier for people to get these LCD into their projects so we devised a shield that lets you control **a 16x2 Character LCD, up to 3 backlight pins AND 5 keypad pins using only the two I2C pins on the Arduino!** The best part is you don't really lose those two pins either, since you can stick i2c-based sensors, RTCs, etc and have them share the I2C bus. This is a super slick way to add a display without all the wiring hassle.

This shield is perfect for when you want to build a stand-alone project with its own user interface. The 4 directional buttons plus select button allows basic control without having to attach a bulky computer.

The shield is designed for 'classic' Arduinos such as the Uno, Duemilanove, Diecimilla, etc. It uses the I2C pins at Analog 4 and Analog 5. It will also work perfectly with Arduino Mega R3's which have the extra SDA/SCL I2C pins broken out. Earlier Mega's have the I2C pins in a different location and will require you to solder two wires from the I2C pins on the shield and plug them into the different I2C locations at Digital 20 & 21. This shield will not fit easily on top of an Arduino Ethernet because of the Ethernet jack height. [You can use a set of stacking headers to give the shield more 'lift' above the jack.](#)

This product comes as a kit! Included is a high quality, USA-made PCB and all the components (buttons, header etc). This product comes with a [16x2 RGB positive](#). Assembly is easy, even if you've never soldered before and the kit can be completed in 30 minutes

TECHNICAL DETAILS

- Dimensions: 2.1" x 3.2"
- Comes with a 16x2 RGB backlight LCD, positive display
- Plug and play with any Arduino 'classic' - UNO, duemilanove, diecimilla, etc as well as Arduino Mega R3.
- Uses only the I2C pins - Analog 4 & 5 on classic Arduinos, Digital 20 and 21 on Arduino Mega R3
- This board/chip uses I2C 7-bit address 0x20

- Mounting hole size is 2.5mm