sparkfun
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Basic 16x2 Character LCD - Black on Green 5V

◉ LCD-00255 ROHS✔ 🗋 ⚡ 3Dl ★ ★ ★ ★ ⯪ 15

$16.95

| - | 1 | + |

Volume sales pricing

Quantity discounts available

♡ ☰▾

🅭 images are CC BY 2.0

$16.95

| - | 1 | + |

Volume sales pricing

Quantity discounts available

DESCRIPTION | FEATURES | **DOCUMENTS**

- Hookup Guide
- GDM1602K.pdf
- Extended Datasheet

- mbed Example
- AVR Example
- Character Generator

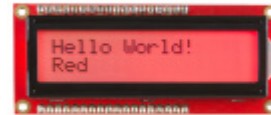## Hookup Accessories for Basic 16x2 Character LCD - Black on Green 5V

Trimpot 10K Ohm with Knob
◉ COM-09806
$0.95
★★★★★ 6

Basic 16x2 Character LCD - RGB Backlight 5V
⊖ LCD-10862
$16.95
★★★★⯪ 3

Similar Items for Basic 16x2 Character LCD - Black on Green 5V

SparkFun Flexible Grayscale OLED Breakout - 1.81"
⊖ LCD-14606
$53.50

SparkFun 16x2 SerLCD - RGB Backlight (Qwiic)
◉ LCD-16396
$19.95

SparkFun 16x2 SerLCD - RGB Text (Qwiic)
◉ LCD-16397
$19.95
★★★⯪☆ 3

SparkFun 20x4 SerLCD - RGB Backlight (Qwiic)
◉ LCD-16398
$24.95
★★★★⯪ 5

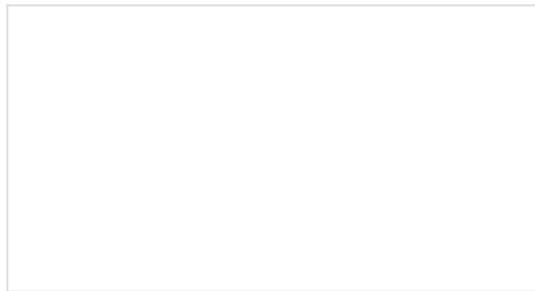## SparkFun Basic 16x2 Character LCD - White on Black, 5V (with Headers)
◉ LCD-18160
$16.95

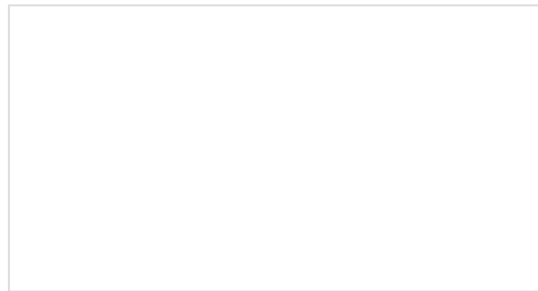## Basic 16x2 Character LCD - Black on Green 5V Product Help and Resources

TUTORIALS | SKILLS NEEDED

PIC-Based Serial Enabled Character LCD Hookup Guide
MAY 29, 2018

The PIC-based serial enabled character LCD backpack is a simple and cost effective solution for interfacing to character Liquid Crystal Displays (LCDs) based on the HD44780 controller. The backpack simplifies the number of wires needed and allows your project to display all kinds of text and numbers.

Basic Character LCD Hookup Guide
MAY 28, 2019

Liquid crystal displays (LCDs) are a great way to output a string of words or sensor data to a display for visual feedback. In this tutorial, we'll learn about LCDs, how to print a string of words to a 16x2 basic character LCD and create custom characters.

Frequently Bought Together

Hobby Motor - Gear
◉ ROB-11696
$1.95
★★★★☆ 4

Temperature Sensor - TMP36
◉ SEN-10988
$1.50
★★★★⯨ 17

Trimpot 10K Ohm with Knob
◉ COM-09806
$0.95
★★★★★ 6

Servo - Generic (Sub-Micro Size)
◉ ROB-09065
$8.95
★★★⯨☆ 12

Mini Photocell
◉ SEN-09088
$1.50
★★★★★ 7

| COMMENTS **29** | REVIEWS ★★★★⯨ **15** |

Customer Reviews

★ ★ ★ ★ ⯨ 4.5 out of 5

Based on 15 ratings:

5 star	8
4 star	7
3 star	0
2 star	0
1 star	0

Currently viewing all customer reviews.

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1 of **1** found this helpful:

★ ★ ★ ★ ☆ Works fine.

about 6 years ago by Member #718407 ✔ **verified purchaser**

I have just used the 16x2 LCD display with the DG-5 emulator and it works fine. No problems whatsoever! I'd probably buy some more.

---

1 of **1** found this helpful:

★ ★ ★ ★ ☆ LCD Display

about 3 years ago by Member #1266986 ✔ **verified purchaser**

Display works well; keeping it as a spare; using white on blue already on hand. 73's , Pedro

---

1 of **1** found this helpful:

★ ★ ★ ★ ★

about 5 years ago by Member #770797 ✔ **verified purchaser**

I received and tested. Your product is really nice. This is what I exactly want it. Thanks for quick shipping and supporting.

---

1 of **1** found this helpful:

★ ★ ★ ★ ★ Works great

about 5 years ago by eugeniop ✔ **verified purchaser**

No complains. Easy to setup. Worked on the first try (I use an mbed board and the TextLCD library did all the work for me),

---

★ ★ ★ ★ ☆ LCD Display

about 3 years ago by Member #1266986 ✔ **verified purchaser**

Display works well; keeping it as a spare; using white on blue already on hand. 73's , Pedro

★ ★ ★ ★ ☆ very good, but you can make it better

about 3 years ago by Member #1279313 ✔ **verified purchaser**

i would NOT use the 16 x 2 lcd display without the 4-wire backpack addon !!!!

★ ★ ★ ★ ☆

about a year ago by Member #796889 ✔ **verified purchaser**

Functional as anticipated, especially with associated Arduino libraries. Bit disappointed this model does not have silkscreening that labels the pins, like other models out there I've seen available from other vendors. 4/5

★ ★ ★ ★ ★ Works great

about a year ago by Member #1594109 ✔ **verified purchaser**

Had it running very easily on a Arduino Uno. Setting it up on an ESP32 WROOM was a bit more challenging only because the ESP was picky about what pins I used to interface with. I think next time, I'll look into a I2C version or backpack for this version. But overall, it's a good device.

★ ★ ★ ★ ☆ Quality LCD

about a year ago by Member #1553800 ✔ **verified purchaser**

Works as described. Great value for the price.

★ ★ ★ ★ ★ 16x2 LCD

about 8 months ago by Member #673156 ✔ **verified purchaser**

Great online tutorial Easy install Works well.

★ ★ ★ ★ ☆ Works as advertised!

about 7 months ago by Member #1642447 ✔ **verified purchaser**

I learned much from this experience. It met my expectations.

★ ★ ★ ★ ★ A wonderful product, just don't forget the header!

about 5 years ago by ljfox4 ✔ **verified purchaser**

I forgot when purchasing that this does not have pins on it to plug into a breadboard and I didn't have any headers at home. I cut the leads off of some rarely used resistors and soldered them in for this. Not exactly how it was meant to be done, I don't think, but it worked for me!

★ ★ ★ ★ ★ Of all the Basic 16x2 Character LCD's I've owned...

about 4 years ago by Member #410706 ✔ **verified purchaser**

This the the one.

Works as described. Gave me an excuse to visit the new Sparkfun building. Very nice!

★ ★ ★ ★ ★ Utility LCD Display

about 4 years ago by Member #1058447 ✔ **verified purchaser**

These units are useful in custom instrumentation products that I occasionally devise. I use a 4 bit address scheme to save pinout from the 8 bit uP for which I write assembler code. I find that the illuminated black text on green background is the most sunlight readable.

These latest received displays are being used in field fire pump flow testing prototype applications and obviously need effective water and shock proofing as do the electronics driving them. If this small-market unit does go into limited production I will likely stick with this display as standard.