EARTH**LCD**.COM
We Make LCDs Work™

arLCD

Make a 3.5" TouchScreen Color LCD project in minutes!

The Amazing arLCD combines the award winning ezLCD SmartLCD GPU and API with the Open Source Arduino UNO.

With the arLCD Arduino library and the Arduino Shield I/O, users can make 3D printer controllers, robot interfaces, home automation controllers and even kinetic art. There are over 288 I/O shields compatible with the ArLCD. Macros and GUI widgets allow users to build a user interface prototype FAST - within hours, not days!

EarthLCD is a maker of industrial and embedded LCD products including the award winning ezLCD technology from EarthLCD, the recognized leader in smart touch LCDs.

ezLCD + Arduino = Touchscreen Magic

The arLCD features 320 x 240 resolution, 65,536 colors, 250 nit brightness, resistive touchscreen. Its intelligent control module is highlighted by a 16-bit GPU, 4 megabytes of flash memory, USB 2.0 and Arduino Shield interfaces. The arLCD operates from 6 to 9 volts, draws less than 200mA, and offers a -20 to 60°C operating temperature range. Its low cost makes it a credible alternative to vacuum fluorescent displays, STN passive matrix displays, or more expensive complex graphical LCD products. The arLCD is part of the "Arduino at Heart" program recognized as part of the Arduino ecosystem and a royalty is paid to Arduino for every sale.

The 3.5" has 64% more display area than a 2.8" LCD Shield. We leveraged the hardware and software API of EarthLCD ezLCD and the Arduino open source Uno R3 design to give the ability to simply copy macros, fonts, and bitmaps to the arLCD flashdrive from a PC via USB, and development using the Arduino IDE allows for rapid product development under Windows, Linux, and OSX operating systems.

- 3.5" color TFT LCD
- 320 x 240 Resolution
- 65k colors
- LED backlight
- 500:1 contrast ratio
- Touchscreen
- Powerful 16-bit GPU
- 4MB flash memory for storing fonts, bitmaps & macros
- USB 2.0
- Overall outline dimensions: 3 x 3 x .9 inches
- 6-9V operating voltage • Extremely low power - draws less than 200mA
- -20 to 60C Operating temperature
- RoHS compliant
- Arduino Library with extensive Widgets
- Operating systems: Windows 10, Linux, and Mac OSX

Get the Docs and Code Now on Github:
https://github.com/earthmake/arLCD