Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

3.5 inches TFT Touchscreen for Raspberry Pi SKU: DFR0428
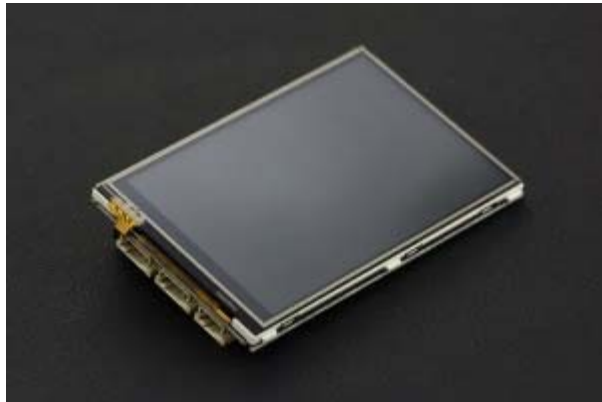
TFT Touchscreen for Raspberry Pi

Contents

Introduction

Looking for a small screen that is the same size as your Raspberry Pi? This 3.5" resistive touch screen with 480 x 320 resolution will certainly meet your needs. If further combined with a wireless keyboard, It will act as a fully functional computer that fits right in your pocket. Use it to run the Pi's terminal, to play games, or to browse the web.

This item is more than just a screen, it is also a development friendly platform. It is seamlessly compatible with DFRobot Gravity series modules making it easy to connect or even to debug your Pi via the serial port! All the pins of Pi are left unoccupied, giving you more room to connect jumper wires.

This Touchscreen is well designed for the Raspberry Pi 3, 2 or Model B+ (with 40 GPIO Pins). Please note that it is not directly compatible with the old 26 pin GPIO Raspberry Pi.

Supports Raspian and Ubuntu systems, compatible with Raspberry Pi B+, Raspberry Pi 2 and the latest Raspberry Pi 3. (any version with 40 GPIO pins)
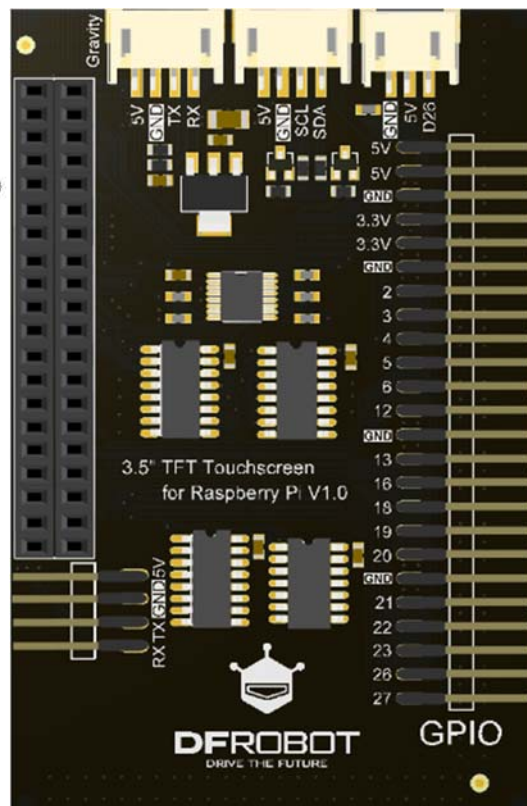
Technical Specifications

- Operating Voltage: 5V
- Screen resolution: 480 x 320
- Interface: SPI
- GPIO Header Pins: 16
- UART Header Pins: 1
- Gravity I2C Pins: 1
- Gravity UART Pins: 1
- Gravity GPIO Pins: 1
- Dimensions: 86 x 56 mm / 3.38" x 2.24"
- Weight: 70g

Pin Descriptions

Raspberry Pi Pin Diagram   Rear View Display

↑ Raspberry Pi Pin "GPIO 2" corresponds to the LCD digital pins "2" ↑
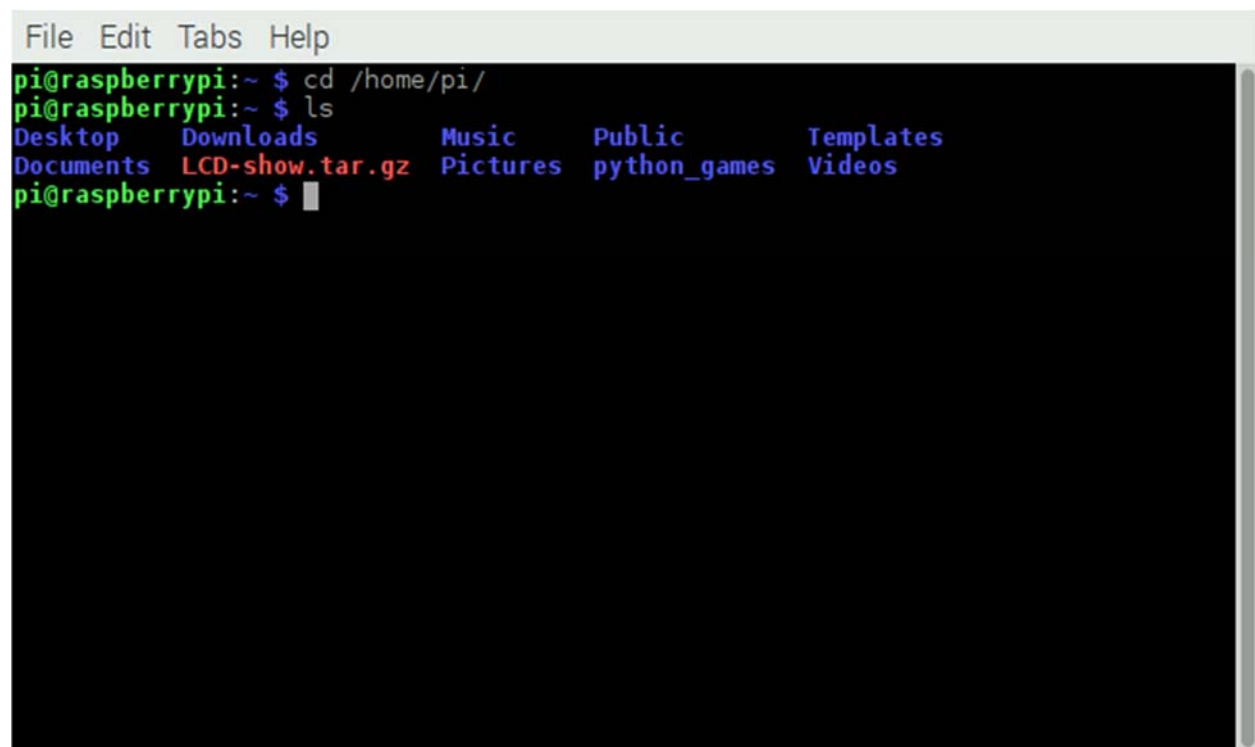
Using the LCD with your Raspberry Pi

Get Started

- Copy LCD driver onto the USB disk.
- Insert the USB disk into the USB host on your Raspberry Pi
- Copy the LCD drivers into the Pi's filesystem, e.g /home/pi
- Open a terminal and use the cd command to navigate to the directory where the driver is

  e.g. if the directory is "/home/pi" then you need to use the command "cd /home/pi"

- Unzip LCD-show.tar.gz:

```
tar -xvf LCD-show.tar.gz
```

- Enter the LCD-show directory

```
cd /home/pi/LCD-show
```

```
ls
```


- Install driver

```
suo ./LCD35-show
```


After you run the command, the system will automatically restart and switch to the LCD display.
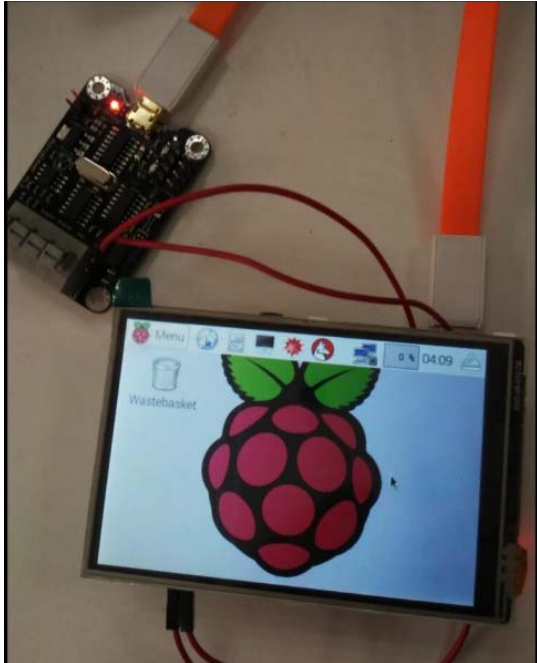
Restore Output to HDMI

```
cd /home/pi/LCD-show/
sudo ./LCD-hdmi
```

Note: When using the LCD display driver be sure to power off the system using software rather than switching the power off abruptly to avoid damage to the LCD.