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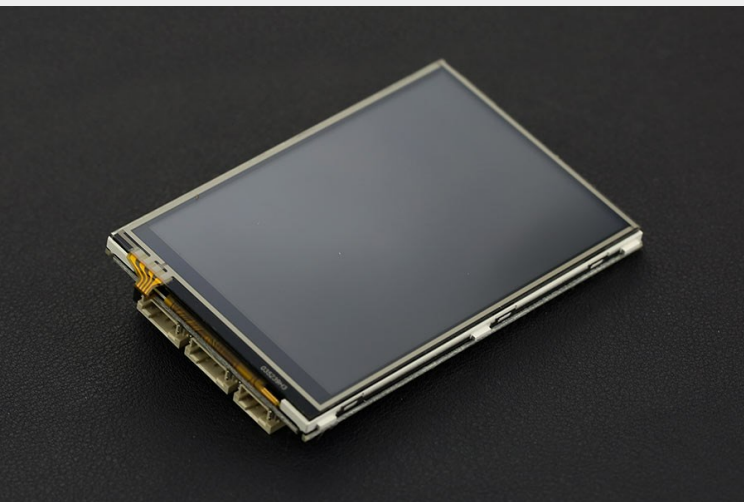
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## 3.5" TFT Touchscreen for Raspberry Pi

SKU:DFR0428 Brand:DFRobot Reward Points: 349

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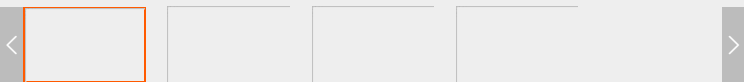
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## INTRODUCTION

This is a portable 3.5" resistance touchscreen hat with 480 x 320 resolution designed for Raspberry Pi b+, Raspberry Pi 2 and Raspberry Pi 3. The DFRobot [Gravity](#) connector makes it easier to connect sensors and modules or even to debug [Raspberry Pi](#) via serial port. All the Raspberry Pi GPIO are accessible through pin headers at the side of the screen.

Looking for a small screen that is the same size as your [Raspberry Pi](#)? This 3.5" resistance 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.

Note: Supports Raspian and Ubuntu systems, compatible with Raspberry Pi B+, Raspberry Pi 2 and Raspberry Pi 3. (any version with 40 GPIO pins)

### 3.5" TFT Touchscreen for Raspberry Pi

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## SPECIFICATION

- Operating Voltage: 5V
- Interface Type: SPI
- GPIO Header Pins: 16
- UART Header Pins: 1
- UART Header Pins: 1
- Gravity I2C Pins: 1
- Gravity UART Pins: 1
- Gravity GPIO Pins: 1
- Dimensions: 86 x 56 x 20 mm / 3.38 x 2.24 x 0.79 inches
- Weigh: 70g

## DOCUMENTS

- [Product Wiki](#)
- [More Documents](#)

## SHIPPING LIST

- 3.5" TFT Touchscreen for Raspberry Pi x1

## REVIEW

## FAQ

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n the discussion...

**Chan** · a year ago  
 Hi, does this product suitable for Raspberry pi 4?  
 1 ↑ · Reply · Share >  
 ↓

**DFRobot Support** Mod → Chan · 1 months ago

Hi, maybe it is possible in theretical, but we haven't test it.

1 ^ · Reply · Share >



**Alejandro Resendiz Reyes** · 3 years ago

hi

yesterday I bought this article but it did not bring anything more than the screen so I do not know if i have to install some driver, can someone help me?

1 ^ · Reply · Share >



**DFRobot Support** Mod → Alejandro Resendiz Reyes · 3 years ago

Hi

You can read the wiki, there is a tutorial about how to set up the driver

^ · Reply · Share >



**Marko Sterk** · 10 months ago

How exactly is this screen (and touch function) connected? Does it really not take up any GPIO pins?

^ · Reply · Share >



**tanglecosm** · 2 years ago

I am using a Pi3 B, and have successfully gotten the LCD screen to work, but I am having trouble getting the touch screen to work properly. Up/down and left/right are swapped. I have run the calibration app, and copied the results to /etc/X11/99-calibration.conf, but there is no change either before or after rebooting. When input\_calibration runs, it lists the current max/min values as 0 and 65535, so it isn't reading the previous values. What should I do to get the screen to register my touches correctly?

^ · Reply · Share >



**yeom kangmin** · 3 years ago

hi, Can i get 2D or 3D drawing of this 3.5 lcd ?

^ · Reply · Share >



**john sharman** · 3 years ago

the driver file listed does not have the file name LCD-show.tar.gz as shown in the text, instead it has a name starting 20180118..... Is this the corect zip file and the file in it has no type IE .??? and winzip generates error message

^ · Reply · Share >



**DFRobot Support** Mod → john sharman · 3 years ago

Because the previous driver is not compatible with the latest Raspbian, the instruction is a little different from the new driver, you just need to install the driver "LCD35-show"

^ · Reply · Share >



**KimJongYeon** · 3 years ago

Hello i want know Touch screen Max Speed

^ · Reply · Share >



**DFRobot Support** Mod → KimJongYeon · 3 years ago

What is the speed you mean?

^ · Reply · Share >



**KimJongYeon** → DFRobotSupport · 3 years ago

ahh thank your reply

i want know if touch screen FPS speed

example if i Default setting speed = 1000000 <

but i can't i want more fast view screen

if watch youtube have delay screen

^ · Reply · Share >



**DFRobot Support** Mod → KimJongYeon · 3 years ago

The speed of the screen is 20 FPS

^ · Reply · Share >



**KimJongYeon** → DFRobot Support • 3 years ago

Thank you so much

^ · Reply · Share >



**Alvaro** • 3 years ago

Hello, I have been following the tutorial to set up the driver but, when I reboot the raspberry pi controller (using the reboot command) the LCD goes to white and doesn't do anything else (nor the hdmi monitor) How can I make the changes permanent? And one more, I see the touchscreen is not working, do I have to install anything else to make it work?

^ · Reply · Share >



**DFRobot Support** Mod → Alvaro • 3 years ago

The driver is not compatible with the latest raspbian, please use the previous version system, like the system released last year

^ · Reply · Share >



**Rajh Gul** → DFRobot Support • 3 years ago

Hi, will a update of the driver be available soon?

^ · Reply · Share >



**DFRobot Support** Mod → Rajh Gul • 3 years ago

You can email [techsupport@dfrobot.com](mailto:techsupport@dfrobot.com), we will send you the available software.

^ · Reply · Share >



**Alvaro** → DFRobot Support • 3 years ago

Hi again, I have sent an email too because we need to work with the last version and I have had no response yet. Is there a version for the raspbian stretch os?

^ · Reply · Share >



**DFRobot Support** Mod → Alvaro • 3 years ago

We have upload the new version driver, you can download it, but the name was changed, you can just install the driver "LCD35-show"

^ · Reply · Share >



**Rajh Gul** → DFRobot Support • 3 years ago

Thanks, I received an working RasPi Image very promptly

^ · Reply · Share >



**Alvaro** → DFRobot Support • 3 years ago

Hi, thanks a lot for the quick response, can you recommend a raspbian version?

^ · Reply · Share >



**DFRobot Support** Mod → Alvaro • 3 years ago

Like Noobs 2.1.0

^ · Reply · Share >



**Alvaro** → DFRobot Support • 3 years ago

Thanks again!

^ · Reply · Share >



**Hari Wiguna** • 3 years ago

Dear DFRobot, I'm trying to learn as much as I can about driving a 7" LVDS TFT LCD (in general) from embedded DisplayPort. Could you point me to some resources that I could study? Thank you!

^ · Reply · Share >



**DFRobot Support** Mod → Hari Wiguna • 3 years ago

What kind of knowledge you want to study? The theorem of the LVDS TFT LCD or how to use these kind of screen?

^ · Reply · Share >





**Hari Wiguna** → DFRobot Support • 3 years ago

Sorry I wasn't clear, I meant how to use these kind of screens. It looks like they need some high negative and high positive voltage. I found this Texas Instrument TFT LCD Power Supply Chip. So does all TFT displays require something like this to drive them?

<http://www.ti.com/lit/ds/sy...>

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**Ecangis** • 4 years ago

Hi, I'm currently trying to work with this tft and pygame to create a pseudo GUI, but does it support multi-touching?

^ · Reply · Share >



**DFRobot Support** Mod → Ecangis • 4 years ago

Hi,

This is a resistance touching screen, it doesn't support multi-touching

^ · Reply · Share >



**mobi letb** • 4 years ago

Can this display work at 3.3V with something other than Raspberry Pi if otherwise connected properly to SPI?

What display controller is used?

^ · Reply · Share >



**Simone Castello** • 4 years ago

is it compatible with lattepanda?

^ · Reply · Share >



**Rogelio** • 4 years ago

Hi, Is it compatible with Raspbian V2.0.0?

^ · Reply · Share >



**DFRobot Support** Mod → Rogelio • 4 years ago

We test the newest Raspbian in October, it is OK

^ · Reply · Share >



**Kean Wei Tung** • 3 years ago

I follow exactly the guide, but after reboot it shown kernel boot message at HDMI, after a while nothing display on the HDMI.

The touch screen remain white screen after the installation.

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