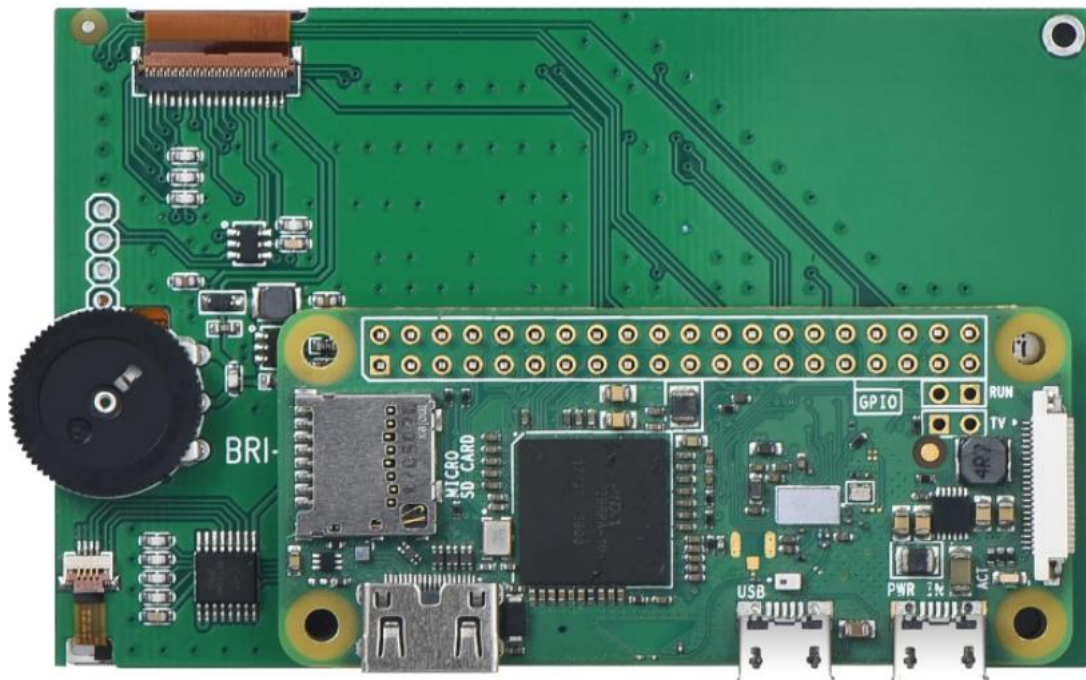# 3.51 Inch DPI LCD Manual

Product Features

- The diagonal length of the screen is 3.51 inches.
- The physical resolution is 320×480.
- The display mode is DPI565 with 65K colors.
- 4-wire resistive touch screen.
- Supports Raspberry Pi Zero 2/Zero W/Zero.
- Directly drives the LCD through the Raspberry Pi's GPIO interface with a refresh rate of 60Hz.

Hardware Connection

- Insert the double row of pins on the back of the display screen into the GPIO holes of the Raspberry Pi ZERO series from the back, and then solder each pin one by one.

Steps for Use:

1. Download the Raspberry Pi Imager burning software and the raspios system image from the official website. The latest version is the bookworm branch, while the historical versions include buster, Bullseye, Stretch, and Jessie.

2. Connect the TF card to the PC, download and use Raspberry Pi Imager to burn the corresponding system image online, or select an already downloaded image.

3. After the image is written, go to the root directory of the TF card and copy the files mzp351hv00br-bookworm.txt and mzp351hv00br-old.txt there.

4. Open the config.txt file and add the following code at the end of the config.txt file:

- For the bookworm branch system:

```csharp
[all]
include mzp351hv00br-bookworm.txt
```

- For historical branches:

```csharp
[all]
include mzp351hv00br-old.txt
```

5. Save and safely eject the TF card.
6. Insert the TF card prepared in the above steps into the Raspberry Pi, power it on, wait for the system to start, and follow the on-screen prompts to complete the setup.

Backlight Control：

To turn the backlight off run：

sudo sh -c 'echo "0" > /sys/class/backlight/backlight/brightness'

```rust
sudo sh -c 'echo "0" > /sys/class/backlight/backlight/brightness'
```

To turn the backlight on run：

sudo sh -c 'echo "1" > /sys/class/backlight/backlight/brightness'

```rust
sudo sh -c 'echo "1" > /sys/class/backlight/backlight/brightness'
```