JOY-iT

JOY-iT 10.1" Touchscreen-Display

Dear customer,

Thank you for purchasing our producht
Please find our instructions below.

1. Display-Setup

1.1 Building the display

First, take the display, the base and the base-socket of the display.
Place the metal-rectangle of the base-socket into the matching lead of the display-case (near the **USB** label).
Fix the base-socket by tightening the round fixing-plate, right in front of the metal-rectangle.

Now place the base-socket into the base and screw it with the shipped screws.

1.2 Mounting a Raspberry Pi

If you want to use the display with a Raspberry Pi, you can use the designated mounting-platform.

Take the platform and mount your Raspberry Pi.
For the current Raspberry Pis, you need to use the screwing-holes with the number **6**.
You can find a list with the designated holes for all popular micro-controllers on the mounting-platform.

After mounting your Rasperry Pi, place the mounting-platform on the back of the display-case and attach it by using the holes with the number **9 (Vesa)**.
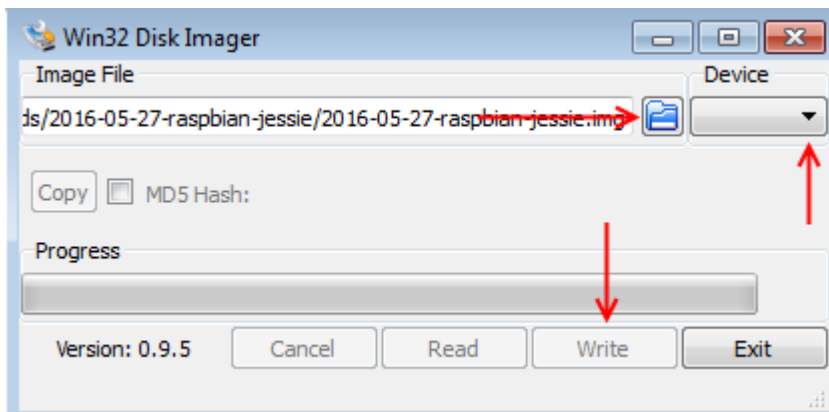The display should now look like in the following image.

2.   Using the display

2.1   Installing the software

Install, with the help of the „Win32 Disk Imager"-program, the FBTFT Image, which you can find here.

2.2 [Pro Part]
Manually installing the display

Connect the display, as well as your Raspberry Pi, with the power supplies.
Also connect the display and the Rasperry Pi with a HDMI-cable.

You can also connect the shipped USB-cable if you would like to use the touchscreen-features.
Using the touchscreen-features needs additional configurations.

At first you need to install the drivers. Please note that your Raspberry Pi needs to be connected to the internet:

```
sudo apt-get install xserver-xorg-input-evdev
```

Now we need to integrate the driver:

```
sudo nano /usr/share/X11/xorg.conf.d/40-libinput.conf
```

In this file, you need to change „libinput" to „evdev" in the line next to the last:

```
Driver „evdev"
```

Now you need to install the calibration tool:

```
sudo apt-get install -y xinput-calibrator
```

Restart your Raspberry Pi:

```
sudo reboot
```

Now you can start the calibration tool:

```
xinput_calibrator
```

You will now see 4 points on the display which needs to be pressed one after another. After that, four values will be printed which you need to use as new calibration data. Example:

```
Section "InputClass"
    Identifier      "calibration"
    MatchProduct         "eGalax Inc. USB TouchController"
    Option          "Calibration"    "1979 65 1884 115"
    Option          "SwapAxes" "0"
EndSection
```

Please note that the four values at the „Calibration" option may vary to yours. The first value matches to „MinX", the second to „MaxX", the third to „MinY" and the fourth to „MaxY". You need to create a new file with the following command:

```
sudo nano /usr/share/X11/xorg.conf.d/99-calibration.conf
```

Enter the example above with your calibration data.
The installation is done after saving and restarting.

```
sudo reboot
```

2.3 Using with a Windows PC

Connect the display with the shipped power supply.
Connect the computer and the display with a HDMI or a VGA cable.

You can also connect an USB cable to the touch interface if you wish to control your computer via touch screen.
This will need an additional driver installation first.

You can find the drivers for the touch functions on [this website](#).

3. Support

We also support you after your purchase.
If there are any questions left or if you encounter any problems, please feel free to contact us by mail, phone or by our ticket-supportsystem.

Mail: service@joy-it.net

Ticket-System: http://support.joy-it.net

Phone: +49 (0)2845 98469 – 66 (11- 18 Uhr)

Visit our website for more informations:

www.joy-it.net