**Tontec 3.5” Screen Driver Install Instructions - Model: MZ61581**

Bellow you will find instructions for installing the appropriate drivers for the Tontec 3.5 inch screen on your Raspberry Pi (including Pi 2). This guide was written for Raspbian wheezy, specifically **2015-02-16-raspbian-wheezy.img**, though the guide should work on later versions as well.

1. **Initial Config of New Raspberry Pi Install**

After booting your Raspberry Pi for the first time on Raspbian-Wheezy, we will need to perform the normal tasks of setting up our Raspberry Pi. E.g expand filesystem,

Then we need “update” and “upgrade”

sudo apt-get update

sudo apt-get upgrade

sudo reboot

1. **Update Firmware**

We now need to update our firmware to the newest version to support Tontec screen

sudo rpi-update

sudo reboot

1. **Enable SPI and set overlay for Tontec MZ61581 Screen**

Open /boot/config.txt

sudo nano /boot/config.txt

And add these lines to the bottom

dtparam=spi=on

dtoverlay=mz61581

Then save and reboot

1. **Set Tontec 3.5 Screen as the default display instead of HDMI**

Here we will change the default output display from HDMI to Tontec Screen

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

Change

Option "fbdev" "/dev/fb0"

To

Option "fbdev" "/dev/fb1"

*- if you want to switch back to the HDMI display, just change it back to fb0*

1. **Edit cmdline.txt**

Here we will enable Tontec Screen to display during the booting process

sudo nano /boot/cmdline.txt

Add **fbcon=map:10** at the end of current line. (No need to start a new line)

1. **Reboot**

sudo reboot

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

**Dear Valued Customer:**

Thank you very much for buying from us.

As this is a DIY product, you may encounter some technical issues. We would be very grateful if you could share your installation process on your own project by writing a positive product review/feedback. We are always trying our best to improve the product all the time.

Please contact us first if you are not satisfied by anything about the product or customer service. We will try our best to do what we can. Your understanding and support are highly appreciated.

You may contact us on Amazon or send email to **service@itontec.com**