

## PiTalk with 4" LCD

1. After completing tutorial 1, its time to connect 4" LCD with PiTalk
2. Connect PiTalk with Raspberry pi and then connect 4" LCD with PiTalk or Raspberry Pi
3. Connect Raspberry Pi with Internet to install some dependencies.
4. Download the PiTalk code or if you already have code, navigate to the PiTalk directory and give executable permissions to the 'setup.py':

```
sudo chmod +x setup
```

5. Now run the 'setup.py' by typing:

```
sudo ./setup
```

This will download the necessary files needed for running the GUI and also enable your serial port. Your Raspberry Pi will reboot automatically after it is done executing.

6. When the Raspberry Pi is turned on, turn on the PiTalk power by pressing the On/Off button for 1 second. The Netlight LED will start blinking and will stabilize, blinking once per second indicating that the network is registered.
7. Open the terminal; navigate to the directory inside which you have stored the PiTalk files. Start the PiTalk GUI on HDMI screen in Portrait or Landscape mode by typing:

For Raspberry Pi 3 use 'ttyS0' -

```
./GUI4_Portrait.py ttyS0
```

Or

```
./GUI4_Landscape.py ttyS0
```

For other models use 'ttyAMA0' -

```
./GUI4_Portrait.py ttyAMA0
```

Or

```
./GUI4_Landscape.py ttyAMA0
```

**Note:** If PiTalk is connected through USB cable then port number is ttyUSB3 –

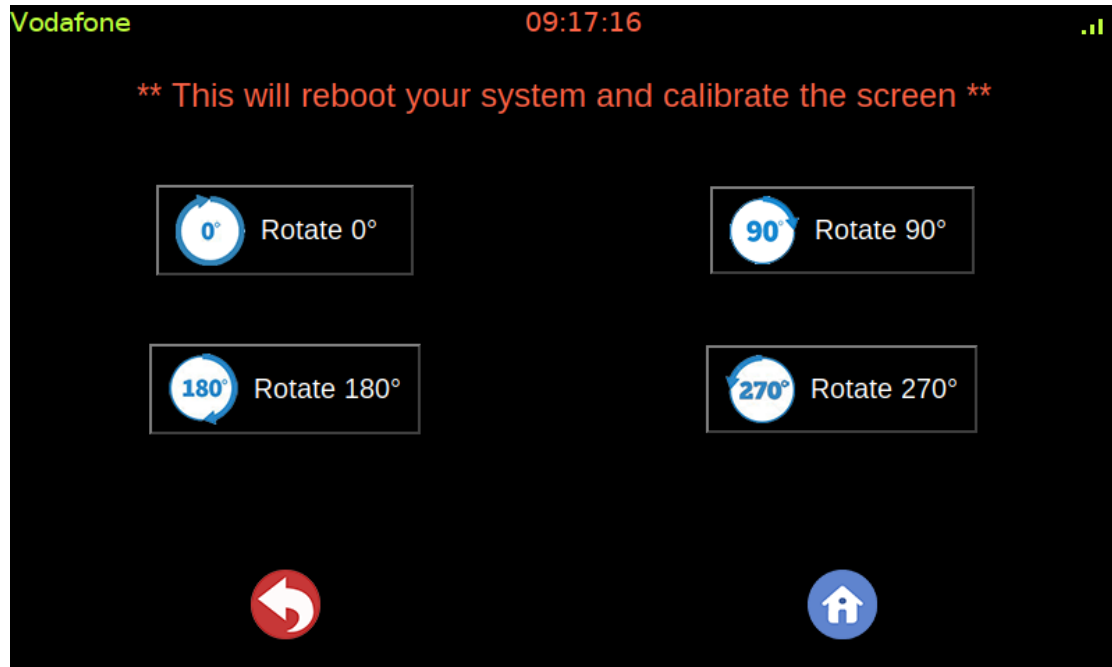
```
./GUI4_Portrait.py ttyUSB3
```

Or

```
./GUI4_Portrait.py ttyUSB3
```

This will show PiTalk GUI on your computer screen in Portrait or Landscape Mode. You can use access it here also, if you don't want to see it on 4" LCD.

8. On the GUI navigate to "Menu1"-> "Settings"-> "Screen Orientation". You will see 4 buttons with different angles. Click on preferred angle and your system will reboot and now boot on 4" LCD.



9. Open terminal, go to PiTalk directory and repeat **STEP 7** to start PiTalk GUI on 4" LCD.