# 5. Using your GoPiGo for the first time

Once you are connected to the GoPiGo, the first thing to do is to update the existing software and firmware on the GoPiGo.  We are constantly improving the GoPiGo software and fixing bugs.  It's good practice to regularly update your software.

We recommend you to first update the Software and the firmware on the GoPiGo before you first use it. Follow these steps to update the software and the firmware:

1. Connect the Raspberry Pi with the GoPiGo and power it on.
   *NOTE: We recommend that you disconnect the wires connecting the motor to the GoPiGo while updating*. Otherwise the firmware might not update properly.

2. If you are using the Dexter Industries SD card or the image, it should be pretty  straightforward to update the software. Make sure that the Raspberry Pi is **connected to the internet** and open the VNC. Double click the **DI Software Update** icon on the desktop.
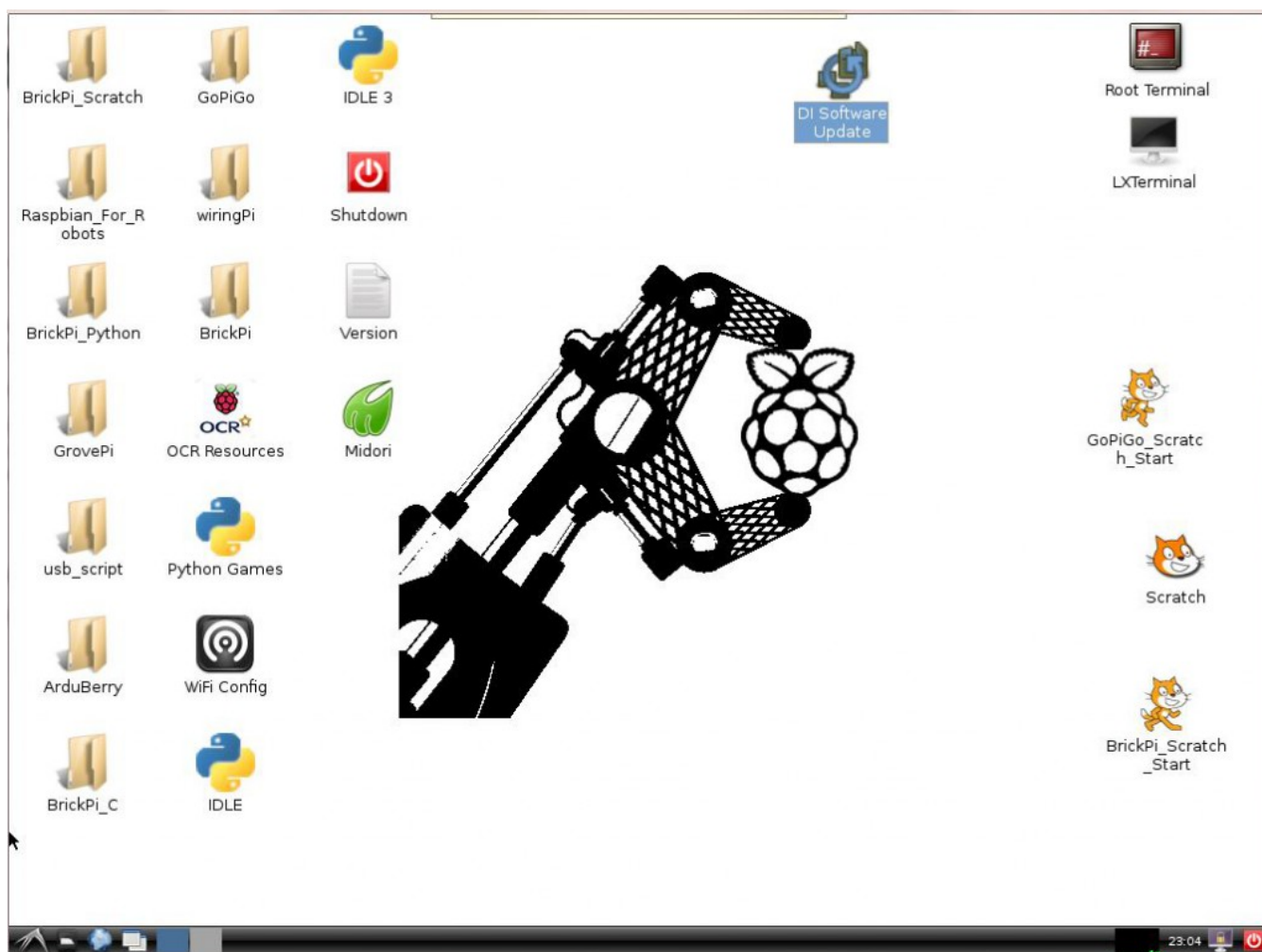


3. The update will fetch a file from the internet and run it. Press "**Enter**" when you are prompted.
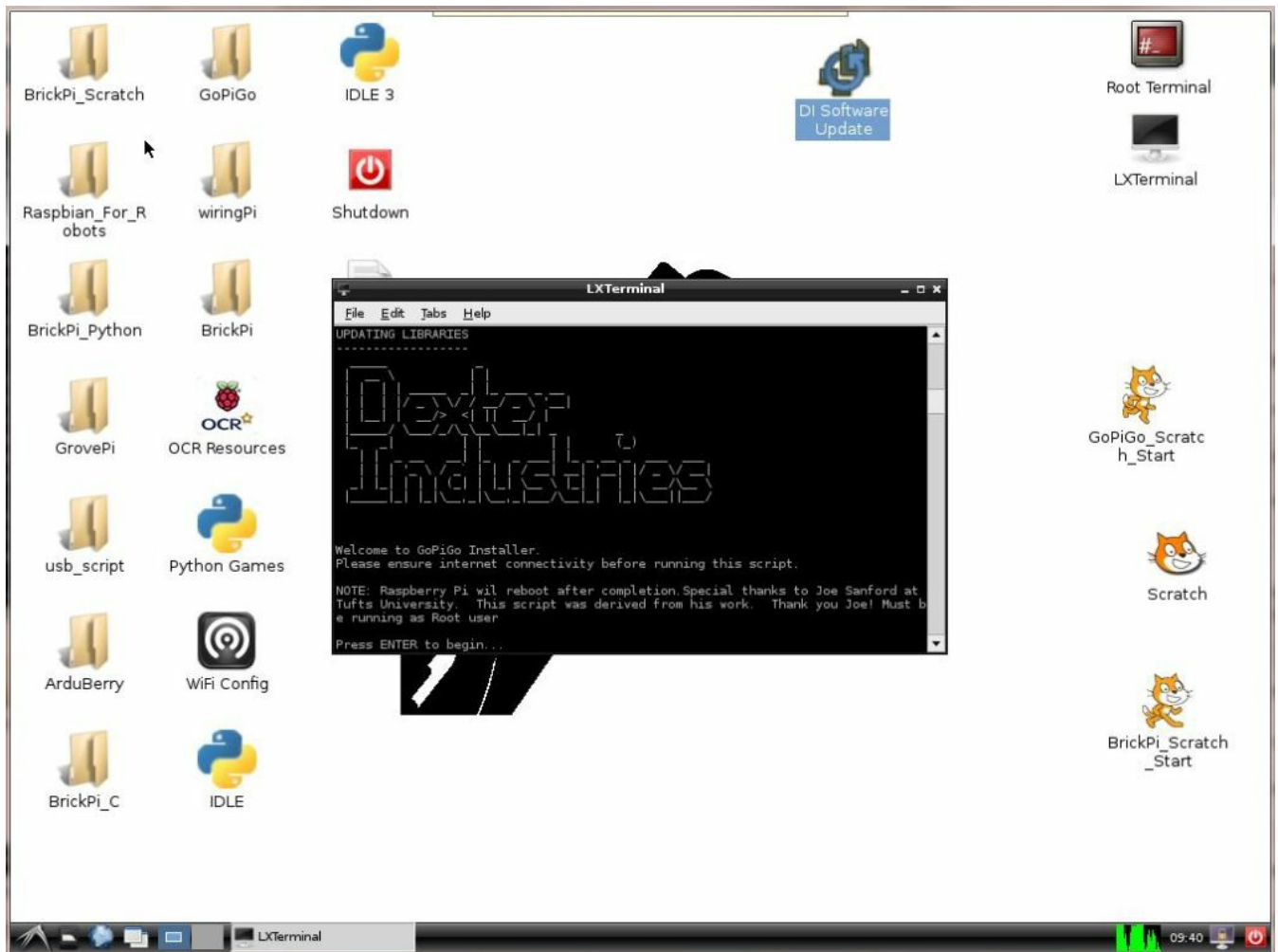
4. When the update is completed, you should see the firmware version as **1.1**. If you see anything else that means that the update did not finish properly.
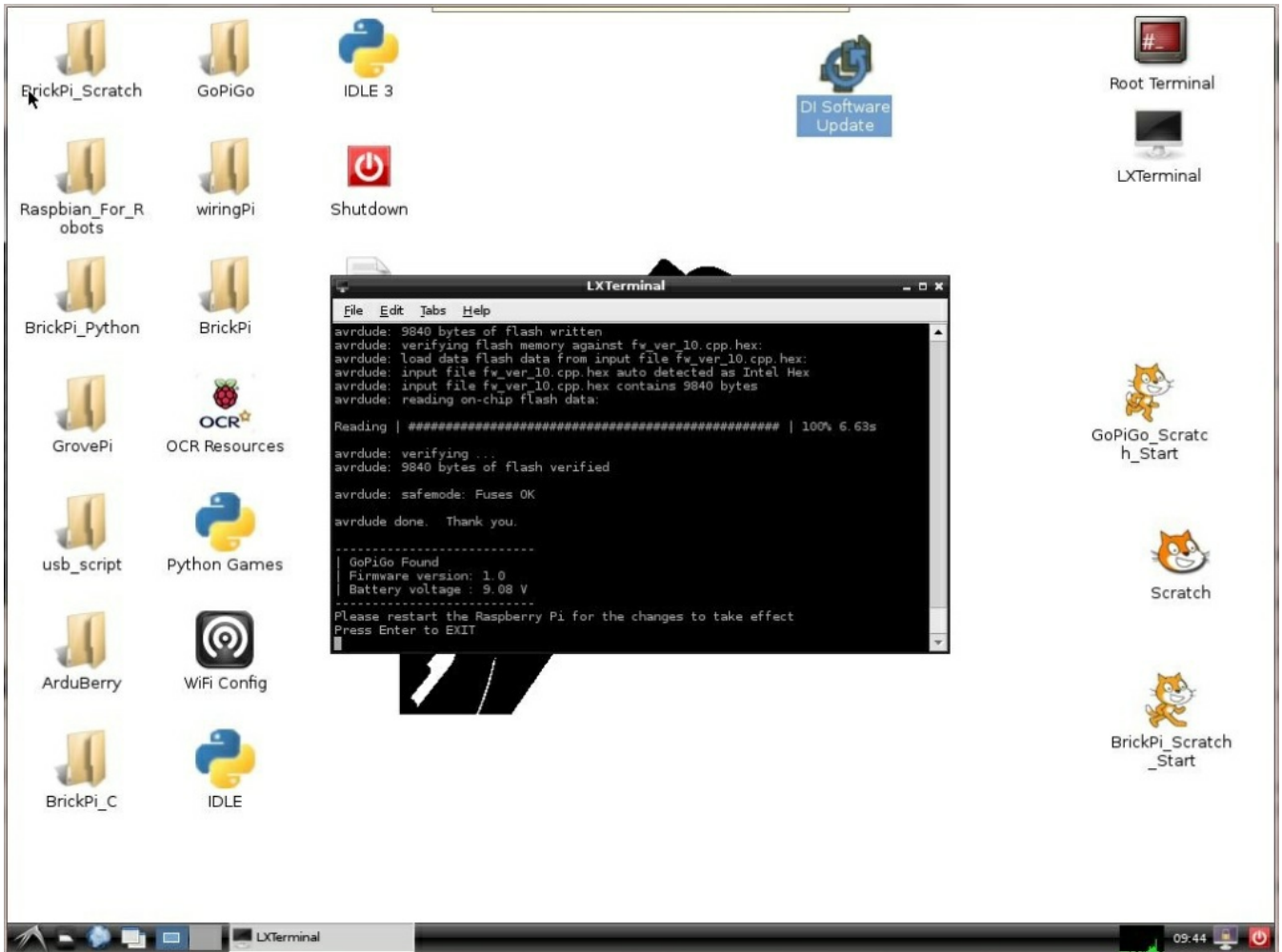
5. Now restart the GoPiGo and log on to the GoPiGo using WiFi or Ethernet via SSH ( use a client like Putty to access the GoPiGo)



6. Change the directory to the GoPiGo folder on the Desktop or in the directory where you have copied it.
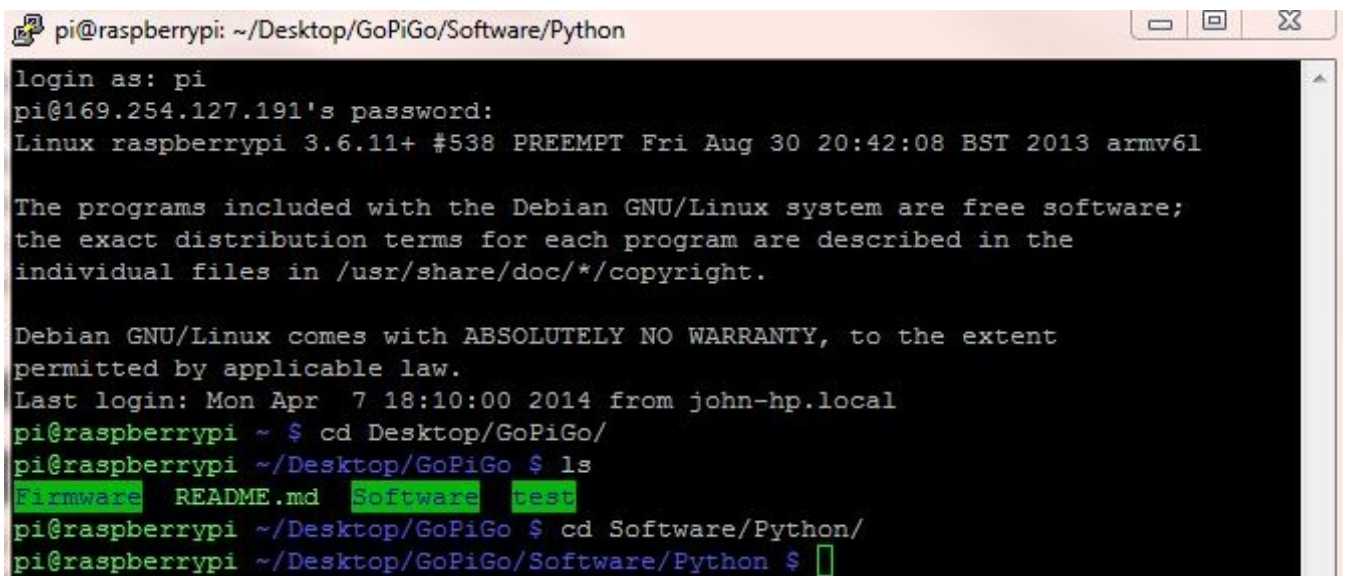
```
cd Desktop/GoPiGo/
```

7. Now go to the Python Folder in the Software folder: `cd Software/Python/`



8. Finally, run the basic python program to test the robot: `sudo python basic_test_all.py`



Press:

- "**w**" to move the GoPiGo forward
- "**a**" to move left
- "**s**" to move back
- "**d**" to move left
- "**x**" to stop
- "**t**" to increase speed
- "**g**" to decrease speed.

The motors should move accordingly. Congratulations, you have successfully updated your GoPiGo!

Got a question? We'll do our best to answer in the forums here.