**Initio Programming: Set Up**

The Initio Robot is more robust than the Pi2Go, but puts more strain on the batteries and we have found that the motors only really work with Eneloop Pro Rechargable Batteries. It has a more sophisticated set-up for the ultrasonic distance sensor that can move from side to side, but lacks the light sensors, LEDs and switch that give the Pi2Go a wider range of functionality.

**Python 3**

Our resources assume the use of Python 3, but the Initio ships using Python 2.

To convert a Pi2Go robot to work with Python 3 start up the Raspberry Pi. Open a Terminal and then type:

$ cd robohat

Followed by

$ 2to3 -w \*.py

We recommend adding the line export PYTHONPATH=$PYTHONPATH:~/robohat to the robot's **.bashrc** file.

#### Part 4: Objects

Part 4 of the worksheets which introduce objects and classes uses some additional support code. If you are going to use part four you should copy bdi.zip from our website or USB stick and unzip it in the **robohat** folder.



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