

Arduino IDE



G V V Sharma*

1

1

CONTENTS

1 Software Installation

2 Arduino IDE

Abstract—This manual is a guide to get started with the Arduino UNO on a Raspberry Pi running on the Raspbian OS. The instructions should work for any Debain/Ubuntu system.

1 Software Installation

1) From the sources.

```
sudo apt-get update
sudo apt-get install arduino
```

2) From the website. This is relatively difficult but will give access to the latest arduino IDE.

Immediately logout and login. You may replace 1.8.7 above with your favourite version. Instead

*The author is with the Department of Electrical Engineering, Indian Institute of Technology, Hyderabad 502285 India e-mail: gadepall@iith.ac.in. All content in this manual is released under GNU GPL. Free and open source.

of using **wget**, you may download the **arduino-x.x.x-tar.zz** file directly from the downloads link in arduino.cc.

2 Arduino IDE

- 1) Connect the Arduino to the computer.
- In the Arduino IDE, open File → Examples → Basics → Blink
- 3) Now select Tools \rightarrow Port \rightarrow /dev/ttyACM0
- 4) Compile and run. The LED beside pin 13 will start blinking.

1