

Parte 1

Curso

4

Montando el Entorno de Desarrollo
de Arduino

Entorno de Desarrollo Integrado Arduino

Como software de código abierto, arduino IDE, basado en el desarrollo de Proceso IDE es un entorno de desarrollo integrado lanzado oficialmente por Arduino.

Usando Arduino IDE, solo debe escribir el código del programa en el Entorno de desarrollo Integrado y cargarlo a la placa Arduino. El programa le dirá a la placa Arduino lo que ha de hacer.

Así pues ¿dónde puedo descargar Arduino IDE?

Descargando programa para MacOS


Paso 1::

- Descargue el software Arduino IDE

Abra la URL: <https://www.arduino.cc/en/Main/Software> en su navegador

Haga clic en “Mac OSX 10.8 Lion or newer”.

La versión disponible en este sitio web suele ser la última, y la versión actual puede ser más nueva que la de la imagen.



ARDUINO 1.8.9
The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software. This software can be used with any Arduino board. Refer to the Getting Started page for installation instructions.

Windows Installer, for Windows XP and up
Windows ZIP file for non admin install

Windows app Requires Win 8.1 or 10
[Get](#)

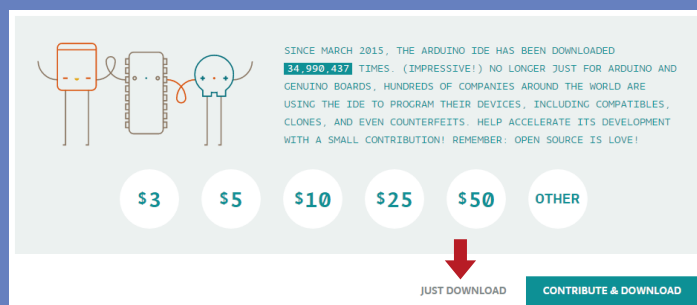
Mac OS X 10.8 Mountain Lion or newer

Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits

[Release Notes](#)
[Source Code](#)
[Checksums \(sha512\)](#)

Paso 2:

- Clic en “JUST DOWNLOAD”.



SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED **34,990,437** TIMES. (IMPRESSIVE!) NO LONGER JUST FOR ARDUINO AND GENUINO BOARDS, HUNDREDS OF COMPANIES AROUND THE WORLD ARE USING THE IDE TO PROGRAM THEIR DEVICES, INCLUDING COMPATIBLES, CLONES, AND EVEN COUNTERFEITS. HELP ACCELERATE ITS DEVELOPMENT WITH A SMALL CONTRIBUTION! REMEMBER: OPEN SOURCE IS LOVE!

\$3 **\$5** **\$10** **\$25** **\$50** **OTHER**

[JUST DOWNLOAD](#) [CONTRIBUTE & DOWNLOAD](#)

Paso 4:

- Una vez completada la descarga, aparecerá un paquete de instalación en el directorio de descargas.
¡En este momento, el Entorno de Desarrollo Arduino ha sido montado con éxito!

Paso 3:

- Abra el buscador.



Finder

Desktop
Documents
Downloads
Applications

Arduino 3.app

El programa uprood de Ubuntu.

Paso 1:

- Vaya a <https://www.arduino.cc/en/Main/Software> y verá la página a continuación.
La versión disponible en este sitio web suele ser la última versión, y la versión actual puede ser más nueva que la versión de la imagen.

Download the Arduino IDE



ARDUINO 1.8.12

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software.

This software can be used with any Arduino board. Refer to the [Getting Started](#) page for installation instructions.

Windows Installer, for Windows XP and up
Windows ZIP file for non admin install

Windows app Requires Win 8.1 or 10
[Get](#)

Mac OS X 10.8 Mountain Lion or newer

Linux 32 bits
Linux 64 bits
Linux ARM 32 bits
Linux ARM 64 bits

[Release Notes](#)
[Source Code](#)
[Checksums \(sha512\)](#)

Paso 2:

- haga clic en **“JUST DOWNLOAD”**.



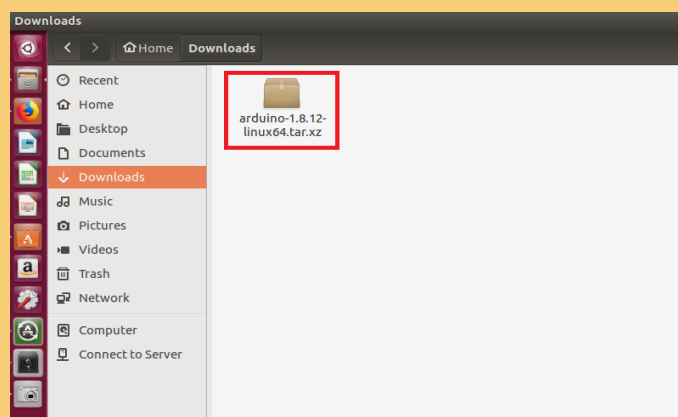
SINCE MARCH 2015, THE ARDUINO IDE HAS BEEN DOWNLOADED **40,523,101** TIMES. (IMPRESSIVE!) NO LONGER JUST FOR ARDUINO AND GENUINO BOARDS, HUNDREDS OF COMPANIES AROUND THE WORLD ARE USING THE IDE TO PROGRAM THEIR DEVICES, INCLUDING COMPATIBLES, CLONES, AND EVEN COUNTERFEITS. HELP ACCELERATE ITS DEVELOPMENT WITH A SMALL CONTRIBUTION! REMEMBER: OPEN SOURCE IS LOVE!

\$3 **\$5** **\$10** **\$25** **\$50** **OTHER**

JUST DOWNLOAD **CONTRIBUTE & DOWNLOAD**

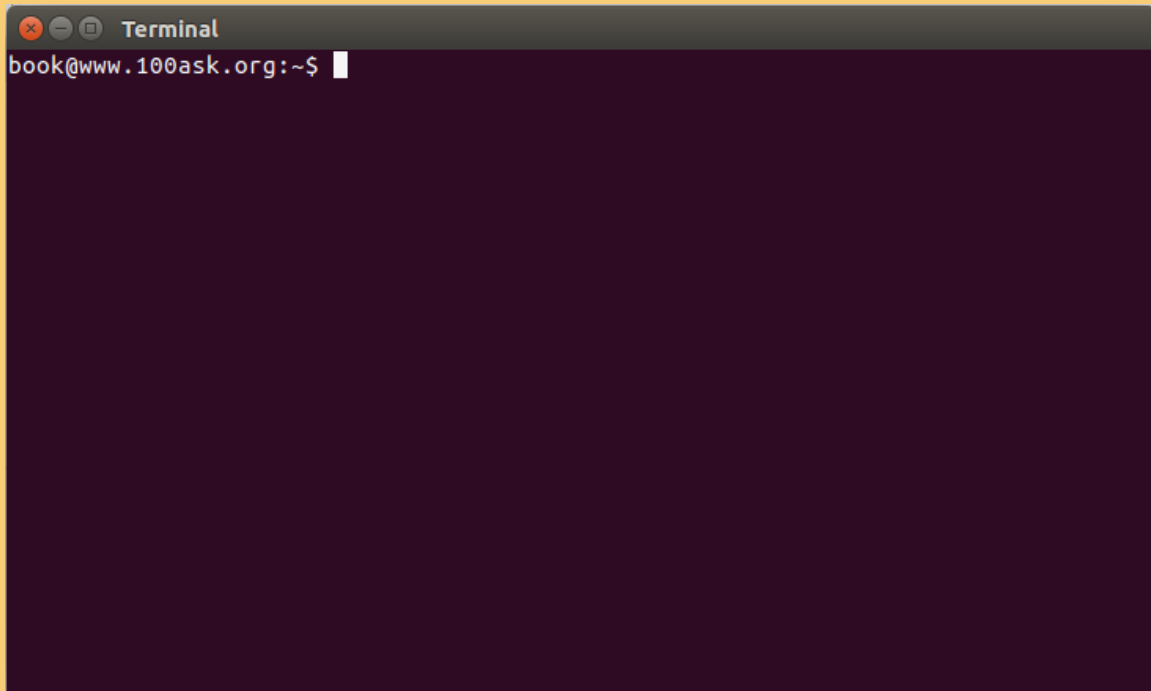
PASO 3:

- Verifique que la descarga se haya realizado con éxito.



PASO 4:

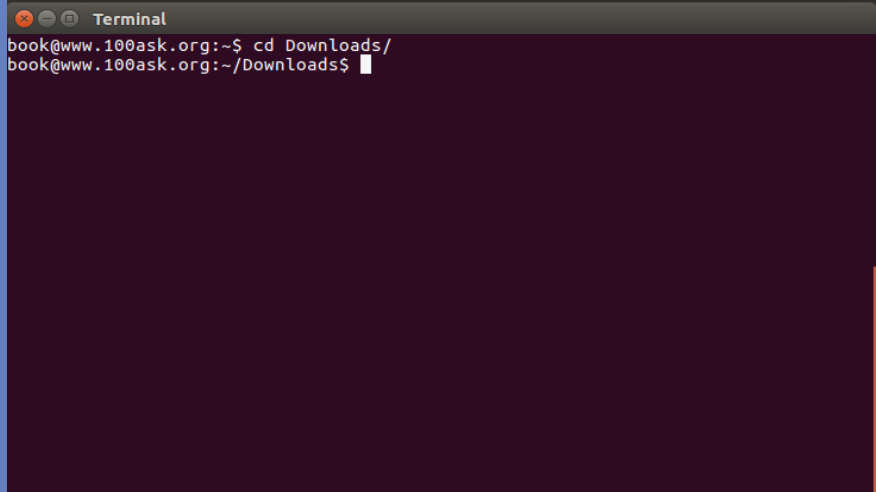
- Presione **“CTRL + ALT + T”** al mismo tiempo para abrir el símbolo del sistema.

A terminal window titled "Terminal" with a dark background. The prompt is "book@www.100ask.org:~\$" followed by a cursor.

```
book@www.100ask.org:~$
```

PASO 5:

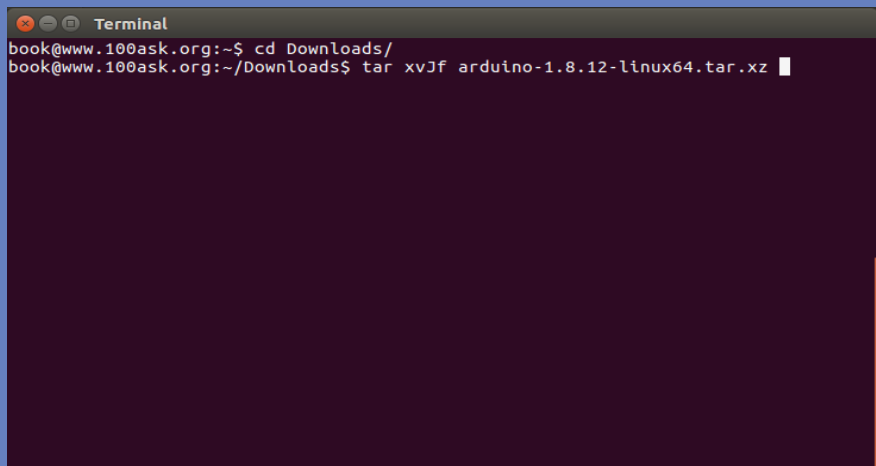
- Introduzca **“cd Downloads/”**.

A terminal window titled "Terminal" with a dark background. The prompt is "book@www.100ask.org:~\$". The command "cd Downloads/" has been entered, and the prompt has changed to "book@www.100ask.org:~/Downloads\$".

```
book@www.100ask.org:~$ cd Downloads/  
book@www.100ask.org:~/Downloads$
```

PASO 6:

- Introduzca **“tar xvjf arduino-1.8.12-linux64.tar.xz”** para descomprimir los archivos.

A terminal window titled "Terminal" with a dark background. The prompt is "book@www.100ask.org:~\$". The command "cd Downloads/" has been entered, and the prompt has changed to "book@www.100ask.org:~/Downloads\$". The command "tar xvjf arduino-1.8.12-linux64.tar.xz" has been entered, and the prompt has changed to "book@www.100ask.org:~/Downloads\$".

```
book@www.100ask.org:~$ cd Downloads/  
book@www.100ask.org:~/Downloads$ tar xvjf arduino-1.8.12-linux64.tar.xz
```

PASO 7:

- Introduzca **“sudo mv arduino-1.8.12 /opt”** para mover los archivos descomprimidos a la carpeta “opt”.

```
Terminal
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.3.0/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/howto.txt
book@www.100ask.org:~/Downloads$ sudo mv arduino-1.8.12
```

PASO 8:

- Introduzca **“cd /opt/arduino-1.8.12/”** para ir a la carpeta arduino.

```
Terminal
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.4/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.2/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/howto.txt
book@www.100ask.org:~/Downloads$ sudo mv arduino-1.8.12 /opt
[sudo] password for book:
book@www.100ask.org:~/Downloads$ cd /opt/arduino-1.8.12/
```

PASO 9:

- Introduzca “`sudo chmod +x install.sh`” y “`sudo chmod +x install.sh`” para completar la instalación.

```
Terminal
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.0.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.1.0/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.3/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102.bin
arduino-1.8.12/tools/WiFi101/tool/firmwares/NINA/1.2.1/NINA_W102-Uno_WiFi_Rev2.b
in
arduino-1.8.12/tools/howto.txt
book@www.100ask.org:~/Downloads$ sudo mv arduino-1.8.12 /opt
[sudo] password for book:
book@www.100ask.org:~/Downloads$ cd /opt/arduino-1.8.12/
book@www.100ask.org:/opt/arduino-1.8.12$ sudo chmod +x install.sh
book@www.100ask.org:/opt/arduino-1.8.12$ sudo ./install.sh
Adding desktop shortcut, menu item and file associations for Arduino IDE...

done!
book@www.100ask.org:/opt/arduino-1.8.12$
```

