Downloads Bootable SD card image files

⊕ Select the download below that corresponds to your hardware.
Then head to the Getting Started (/docs/getting-started/#step-2-flash-the-sd-card) page for installation instructions.

LEGO MINDSTORMS EV3

It's the Intelligent Brick that put the "EV3" in "ev3dev" and the primary focus of development.

⬇ Download ev3dev-stretch for EV3 (355 MiB) (https://github.com/ev3dev/ev3dev/releases/download/ev3dev-stretch-2020-

A LEGO-approved version of ev3dev-stretch is available for download on the LEGO Education website ↗ (https://education.lego.com/en-us/support/mindstorms-ev3/python-for-ev3).

Dexter Industries BrickPi and mindsensors.com PiStorms

The same image works for both BrickPi and PiStorms. All Raspberry Pi models are supported. Pick the image based on which model you have.

⬇ Download ev3dev-stretch for Raspberry Pi Model 0/1 (372 MiB) (https://github.com/ev3dev/ev3dev/releases/download/ev3dev-stretch-2020-04-10/ev3dev-

⬇ Download ev3dev-stretch for Raspberry Pi Model 2/3 (359 MiB) (https://github.com/ev3dev/ev3dev/releases/download/ev3dev-stretch-2020-04-10/ev3dev-

FatcatLab EVB and Quest Institute QuestCape*

These capes work with BeagleBone, BeagleBone Black and BeagleBone Green. They do not work with BeagleBone Green Wireless due to I/O pin conflicts.

⬇ Download ev3dev-stretch for BeagleBone (336 MiB) (https://github.com/ev3dev/ev3dev/releases/download/ev3dev-stretch-2020-04-10/ev3dev-stretch-bone

* QuestCape is currently not publicly available.

Other Images

Previous Releases

We don't recommend these for new users, but if you have a need for older images (such as you are doing a long-term project based on an older image), you can find them on our GitHub releases page.

🔗 GitHub Releases (https://github.com/ev3dev/ev3dev/releases)

ℹ️ How to pick the correct image file...

There are multiple image files for each release. Look for the file name that matches the device you are using.

For...	Pick...
LEGO MINDSTORMS EV3	`*-ev3-*.img`
Raspberry Pi Model 0/1	`*-rpi-*.img`
Raspberry Pi Model 2/3	`*-rpi2-*.img`
BeagleBone	`*-bone-*.img`

Source Code

Nearly all of the software that makes up the ev3dev OS is open source. Since ev3dev is based on Debian Linux many software packages come from the official Debian repositories. Source code for these packages can be found at packages.debian.org (https://packages.debian.org).

The software that was developed by ev3dev.org is hosted on the ev3dev GitHub (https://github.com/ev3dev) site. Direct links to some of the more interesting repositories are listed below.

- Brickman (https://github.com/ev3dev/brickman)
- Docker Images (https://github.com/ev3dev/docker-library)
- ev3dev.org Website (https://github.com/ev3dev/ev3dev.github.io)
- ev3dev Kernel Drivers (https://github.com/ev3dev/lego-linux-drivers)
- EV3 Linux Kernel (https://github.com/ev3dev/ev3-kernel)
- Raspberry Pi Linux Kernel (https://github.com/ev3dev/rpi-kernel)
- BeagleBone Linux Kernel (https://github.com/ev3dev/bb.org-kernel)