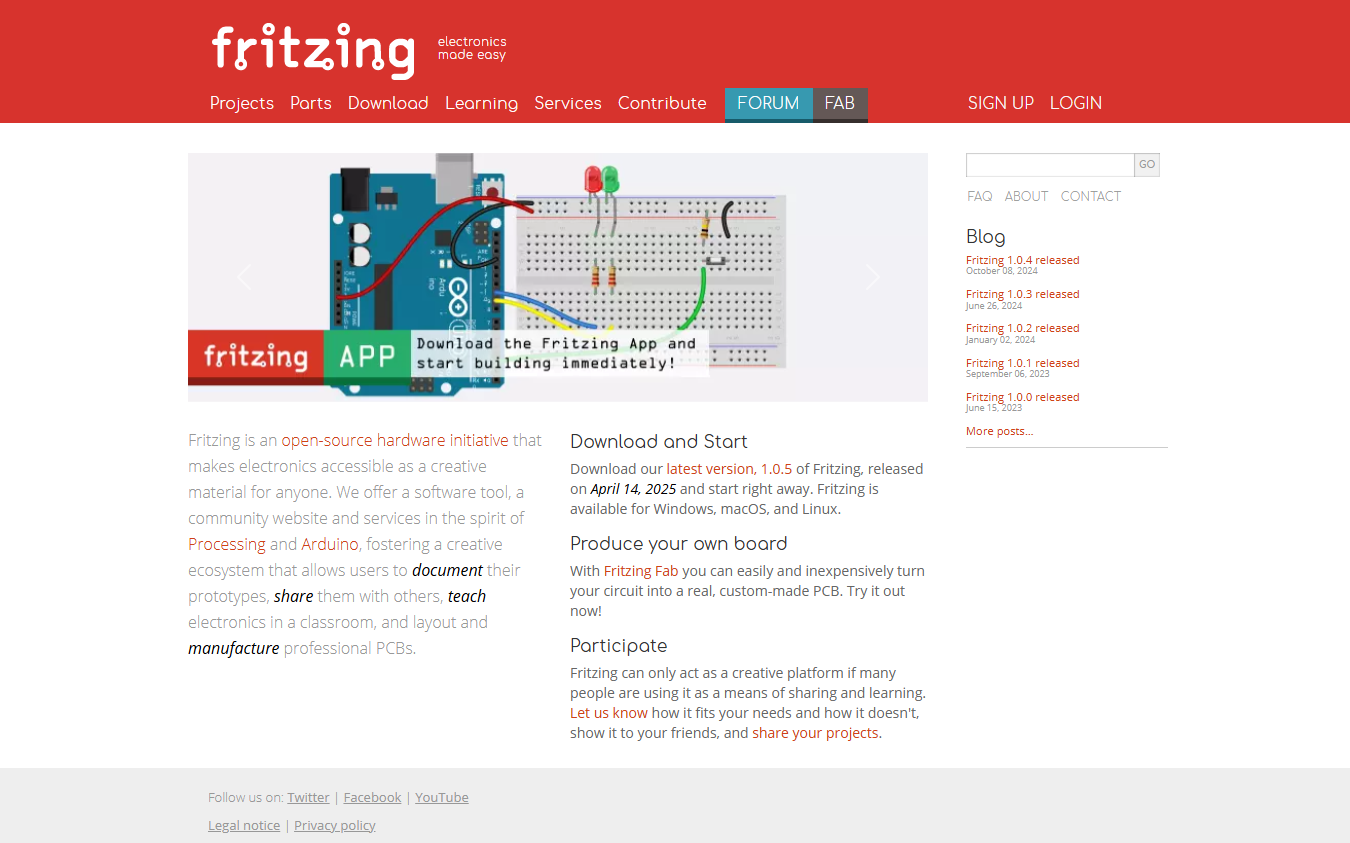
**Electronic Design Automation (EDA) for Arduino & Raspberry Pi Projects**  
[Welcome to Fritzing](https://fritzing.org/)

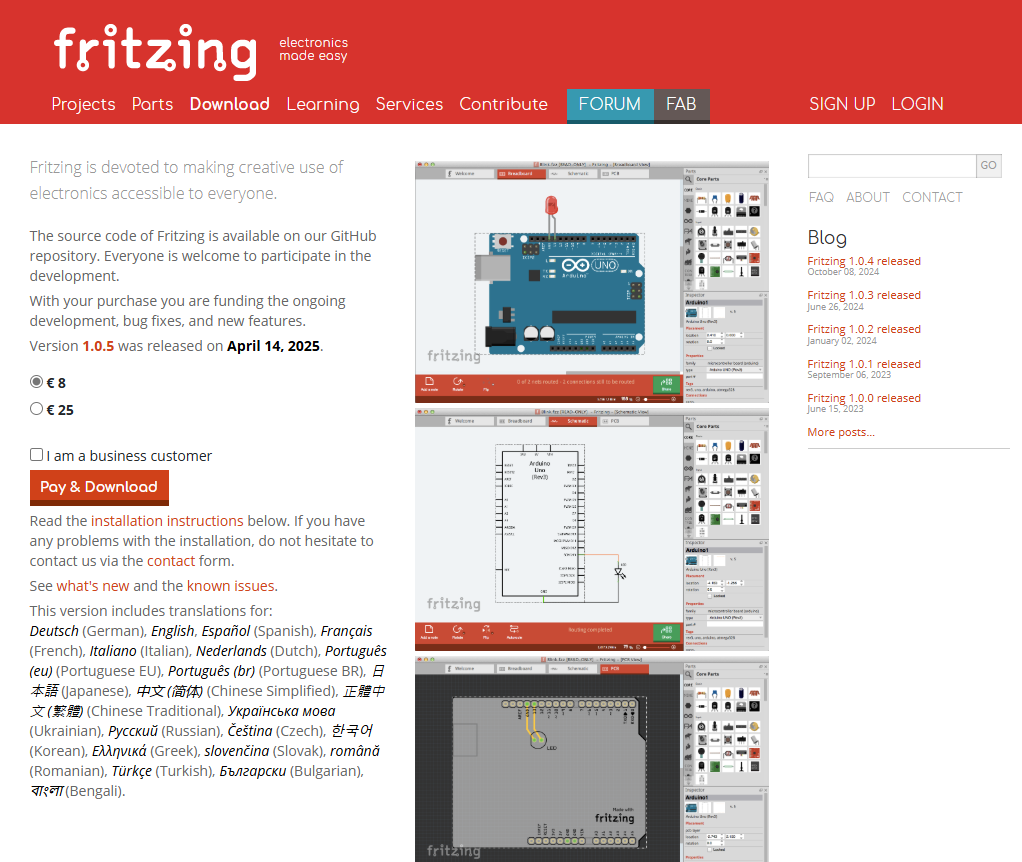
**Fritzing is a user-friendly tool for designing and documenting electronics projects, including those involving the Raspberry Pi**. It allows you to visually lay out circuits using a breadboard view, create schematic diagrams, and even design printed circuit boards (PCBs) for fabrication.  
A screenshot of a computer program

AI-generated content may be incorrect.

[Fritzing - electronics made easy](https://fritzing.org/projects/)

For Raspberry Pi projects, Fritzing can help you:

* **Map out connections** between the Pi and components like sensors, LEDs, and motors.
* **Create clear diagrams** for sharing with others or for use in teaching and presentations.
* **Prototype circuits** before physically assembling them, reducing errors and improving understanding.
* **Design custom PCBs** if you're building a more permanent or professional version of your project.

It’s particularly useful for beginners and educators, as it simplifies the process of circuit design and makes electronics more accessible.  


**Reference list**

ERIC BREDDER, 2018. *Intro to Arduino: Part 1 - Fritzing* [viewed 18 October 2025]. Available from: <https://youtu.be/QqRfAlI2Xh8?si=suqppn7eaBByHGXn>

BAVERSTOCK, T., 2019. Fritzing Tutorial - A Beginners Guide to Making Circuit & Wiring Diagrams. *YouTube* <https://youtu.be/-saXw1EipX0?si=-JqlR0xO2HNOr9e1>

NERD MUSICIAN, 2021. *Fritzing Tutorial for Beginners - How to Design your Circuits and Diagrams* [viewed 18 October 2025]. Available from: <https://www.youtube.com/watch?v=P-OdzSiqRm8>