


# DASTURIY TA'MINOT

## ARDUINO PLATFORMASINING DASTURIY TA'MINOTI.

Arduino platformasi dasturiy ta'minoti Arduino IDE dasturi yordamida yoki hozirgi rivojlanib borayotgan Cloud Sistema orqali online veb sahifa orqali dastur yuklash imkoniyati mavjud. Bundan tashqari boshqa ko'plab dasturlar yordamida Arduino uchun maxsus dasturlarni yuklash imkoniyati kundan kunga oshib bormoqda. Birinchi Arduino yaratilganda faqatgina C va C++ dasturlash tillari yordamidagina dasturlash imkoniyati mavjud bo'lgan. Hozirgi kunga kelib ko'plab dasturlash tillari yordamida Arduino platformasiga dastur yozish imkoniyatlari mavjud hisoblanadi. Xususan Java, Python, JavaScript, C# va boshqa ko'plab dasturlash tillarida yozish imkoniyati ko'paymoqda. Shuning hisobiga dasturiy ta'minot qismi ham jadal suratda oshib bormoqda. Bunga misol tariqasida Arduino boshlovchilari uchun Fritzing, mBlock, Flprog, VisualStudio, CodeBlocks va boshqa dasturiy ta'minotlar yordamida dasturlarni arduinoga yuklash imkoniyatlari ko'paymoqda. Bulardan eng keng tarqalgan dasturiy ta'minot Arduino rasmiy dasturi Arduino IDE hisoblanadi. Bu dasturni [www.arduino.cc/en/Main/Software](http://www.arduino.cc/en/Main/Software) saytidan kompyuteringiz uchun mos versiyasini bepul yuklab olishingiz mumkin. Buni quyidagi ketma- ketlik asosida amalga oshirasiz.



### Download the Arduino IDE



**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 it](#)

**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 \(sha512\)](#)

**HOURLY BUILDS**

Download a **preview of the incoming release** with the most updated features and bugfixes.

**BETA BUILDS**

Download the **Beta Version** of the Arduino IDE with experimental features. This version should NOT be used in production.

## 2.1-rasm Arduino rasmiy sayti