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1. µBlockly

Visual programming for microcontrollers with Blockly 13.

<WRAP round important 60%> **v3 ecosystem (2026)** — Public presentation: [Blockly ecosystem for Arduino, ST, micro:Bit, etc.](#) (LibreEduc). News: [Blog](#). Help: [Forum](#).

Legacy: the [Blockly@rduino](#) pages remain available for existing projects. Migration: [Convert Blockly@rduino](#). </WRAP>

GitHub repository: [A-S-T-U-C-E/ucBlockly](#)

µBlockly v3 is the **core** (typed Arduino blocks + C++ generator) reusable via `createUcBlockly()`. Derived products (demo, BlocklyDuino v3, Factory) build on top of it.

1.1. Ecosystem

Product	Role	Link
µBlockly	Embeddable core	GitHub
BlocklyDuino v3	Classroom app	GitHub BlocklyDuino
Factory v3	Block / extension authoring	see Factory repo
Web presentation	LibreEduc page	Blockly ecosystem...

1.2. Documentation

Full documentation is currently maintained in French:

- [µBlockly \(French hub\)](#)

1.3. Quick start

```
npm install
npm run dev
```

Compatibility: **v3.0.0** requires **Blockly 13**.

[Version française](#)

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