thymio
by MOBSYA



Thymio 3

The Next Generation Educational Robot

Learn. Code. Create.

thymio.org



What's New

Six innovations redefining Thymio's classroom robotics



Color Sensor

Ground-facing RGB sensor enables color-based programming. New Musician behavior maps detected colors to musical notes.



Precision Gyroscope

3-axis accelerometer and gyroscope. Sequence up to 16 geometric shapes with an exceptional rotational accuracy.



Enhanced Audio

Dedicated audio chip, MP3 playback, improved speaker. Record, store & play sounds from internal memory.



Native MicroPython

Program directly in MicroPython via online editor. Auto-complete, full sensor and actuator access.



51 LEDs

2×8 Lego-compatible display matrix, body RGB LEDs, sensor feedback LEDs. Visual status & communication.



Modular Hardware Port

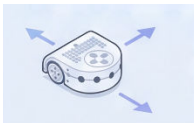
Internal port for hardware add-ons. Open architecture for STEAM & Maker and extensions. *Available early 2027*

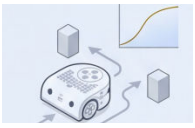
4 NEW Built-in Learning Behaviors

Pre-programmed behaviors - no setup required

The Automaton

Plan routes using arrow buttons and record up to 16 movement sequences. Introduction to programming concepts through physical movement.



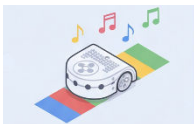


The AI Learner

Watch Thymio learn to avoid obstacles through embedded AI. Observe errors and real-time progress. AI education made tangible.

The Musician

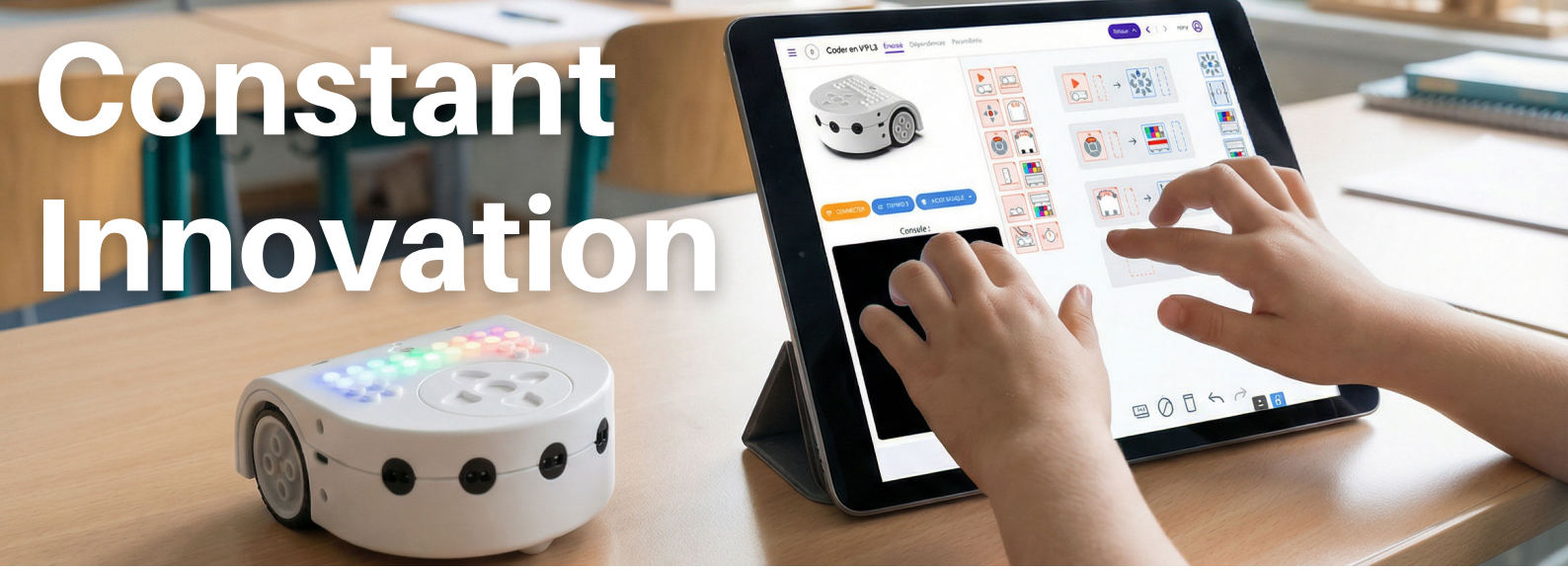
Color sensor detects surface colors and transforms them into musical notes. Create, read, and guess melodies with color-coded compositions.





The Artist

Draw geometric figures with precision using the gyroscope. Classify shapes, combine drawings, and explore geometry hands-on.



Constant Innovation

thymio.Lab

One Platform. 3 Languages. Limitless creativity

ThymioLab is a breakthrough for teachers, offering a zero-install, web-based hub that removes technical barriers. It bridges **Thymio 2** and **Thymio 3**, allowing students to progress seamlessly with **vpl.Lab**, **scratch.Lab** and **py.Lab** (native MicroPython). By providing a unified interface for sensor visualization and multi-language support, it simplifies classroom management and sets the stage for future AI and IoT exploration.

vpl.Lab
Visual Programming

Beginner

2 difficulty levels, cutomizable. Perfect for beginners ages 6+

scratch.Lab
Block-Based Coding

Intermediate

Drag-and-drop programming for interactive learning

py.Lab
MicroPython
Text-Based Coding

Advanced

Real programming language for advanced students

Platform Features

Web-Based
Runs in Chrome browser, no installation required

Cross-Platform
Tablets, Chromebooks, Laptops, PCs, Smartphones

Multi-Language
FR, EN, DE, IT

User Management
Profiles, activity logs, saving, etc.

Analytics
Usage date, CVS export

Retro Compatible*
Works with Thymio 2, vpl.Lab, scratch.Lab and Aseba.

Wireless Updates
Built-In Firmware updates

No Account Required
Use Instantly

System Compatibility
iOS

*Thymio 2 remains accessible with ThymioSuite

Techincal Specifications

Thymio 3 - Palm-sized fully equipped Robot

Dimensions	**107 x 120 x 56 mm**
Weight	**270 g**
Battery	**3.7V | 1500 mAh Li-Po**
Charging	**USB-C**
Battery Life	**3 to 6 hours ***
Connectivity	**Bluetooth**
Max Speed	**14 cm/s**
Sensors	**7 horizontal IR sensors, 2 ground IR sensors, 1 ground RGB color sensor, 1 gyroscope, 1 an accelerometer, 1 microphone, 1 remote control IR receiver, 5 capacitive buttons**
Actuators	**51 LEDs | 2 DC motors | 1 speaker**
Programming	**vpl.Lab | scratch.Lab | py.Lab**
Cable	**USB-C to USB-C 0.8m REACH certified**
Operation	**Button On/Off**
Packaging dimensions	**167 x 124 x 62 mm**



* Depending on terrain, speed and LED usage.



In the Box

Thymio 3 Robot + User-guide + USB C cable + Robotic mat

Wireless firmware updates

Bluetooth connection

Multi-language support
EN FR DE IT

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from unikomp

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Zapytaj o cenę specjalną