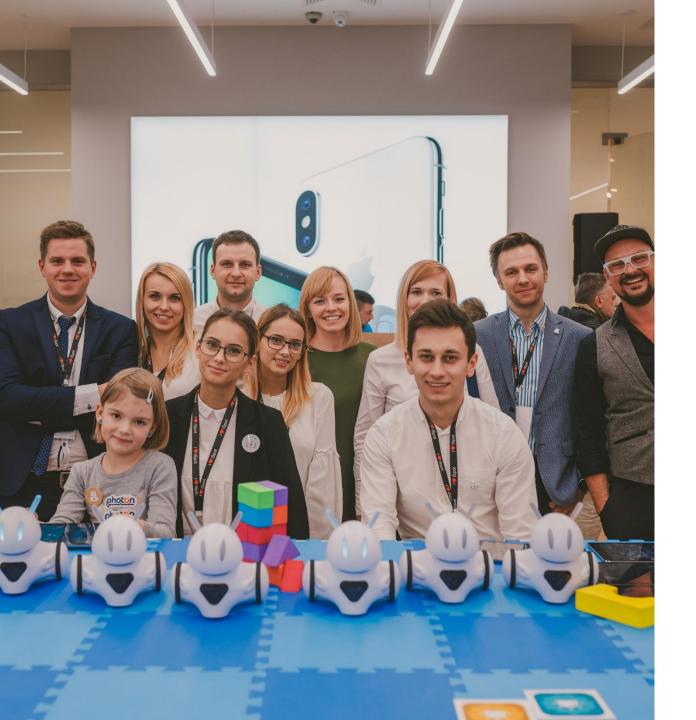


photon

discover the **magic** of modern **education**

photon

About our company



Photon Entertainment

Established in 2016

We believe that every child will have to get to know how to use new technologies in their future professional career. Our mission is to help them get these skills!

- Winner of MIT Business Acceleration Programme
- Winner of Microsoft Imagine Cup Programme
- Laureate of Forbes 30Under30 Ranking
- The fastest growing innovators in NewEurope100 Ranking created by Google and ResPublica
- #1 place in the most creative in business Brief Ranking
- Polish President Economic Reward for the best Startup
- The Best CEE Startup (EBAN Sofia 2018)

photon

What is Photon and why should we use it?

Complex issue needs a complex solution

Photon is a modern **didactic tool** for educational institutions.

Photon teaches children how to:

- think logically,
- solve problems in many creative ways,
- use new technologies, coding skills and sensors for own purposes.



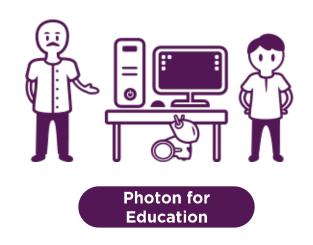
Didactic tool without barrier



- Suitable for students of all ages from kindergartens to high schools
- Compatible with most tools & devices available in schools
- Ready out of the box no configuration required
- Worldwide community of teachers creating scenarios for all levels of education



One robot - two products



The center of STEM education universe.

The most universal STEM didactic tool for educators. Helps conducting coding, computer science and other coding-based lessons.



Robot that develops with kids!

Dedicated for the individual process of discovering new technologies through the gamefication and storytelling application.

IMPORTANT!

Photon School Edition for educational institutions is **only** available at Photon Educational Partners distribution network.

photon

Educational content

LESSON PLANS

Free of charge **educational content:**

- Basic scenarios (age 5-12)
- Programming scenarios (Age 12-16)

Over 100+ dedicated teaching materials will help to enhance lessons. As an effect students will remember classes for a long time.



PHOTON LESSON F. PHOTON'S C. LESSON PLANS C.

Photon Lesson Plans

Curriculum for different age groups helps teachers prepare lessons. The booklets contain step by step instructions and lesson plans attachments. Conducting a lesson has never been easier.

Photon for Education

Customisation Stickers









Four individual sets of stickers (Nature, Mechanical, Veteran or Aqua set). Choose the theme and transform your Photon into a butterfly or a warrior!

Educational Mat

It was created to help teachers provide engaging lessons. Educational mat's areas marked with action symbols, direction arrows or coordinates open new possibilities in creating interesting lesson scenarios.

Flashcards

Flashcards can be used to involve a whole class into programming. Children place flashcards in correct order by following Photons moves.



photon

How to operate Photon?

Applications

Official Photon Apps

(to be downloaded free of charge from App stores or Photon website)





Photon EDU

Application that is designed for teachers to be used with pre-designed lesson plans. Wide and diverse lesson plans base allows easy integration into classroom.



Photon Coding

Provides an open canvas for original lesson plan design. Discover the four interfaces for various age groups and make ideas real!



A solution that allows you to connect up to 8 Photons to a computer or interactive whiteboard! Use it and gain access to original applications and commercial apps like Scratch, JavaScript and Python.

Download your application



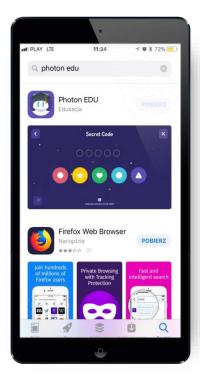


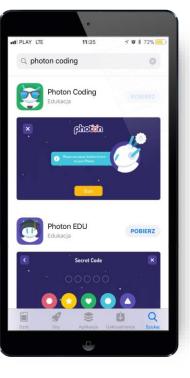
Photon EDU

Photon Coding













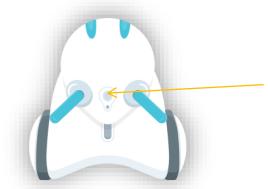
Run the app and connect your Photon





Photon EDU

Photon Coding



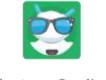
To turn your Photon on, press and hold the switch on button placed on the robot's head for 2 seconds. Robot's antenae and eyes will start blinking.





Run the app and connect your Photon





Photon EDU

J Photon Coding



Each robot has its own ID number that helps to identify robots in the app. ID numer consists of 3 digits and it is placed on Photons bottom part.





Run the app and connect your Photon





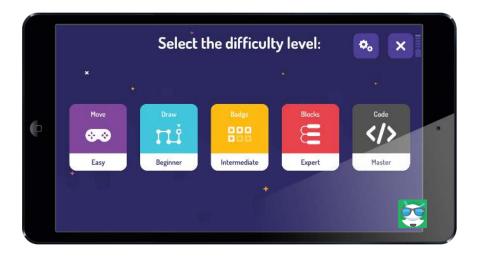
Photon EDU

Photon Coding



Each robot has its own ID number that helps to identify robots in the app. ID numer consists of 3 digits and it is placed on Photons bottom part.





Photon Magic Dongle

This extension allows you to operate up to 8 Photons at the same time from PC and Laptops. Desktop application Photon Magic Bridge gives an access to the most popular coding tools on the market:













MakeCode

JavaScript

Scratch

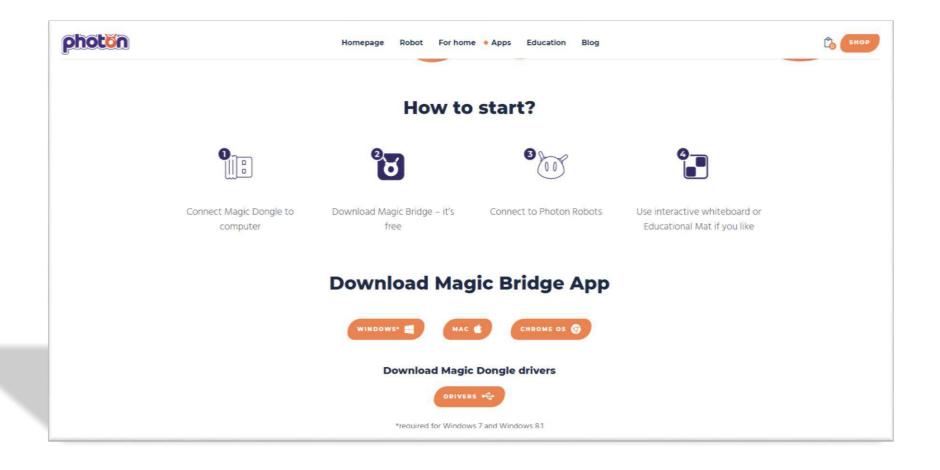
Python

Azure IoT Hub

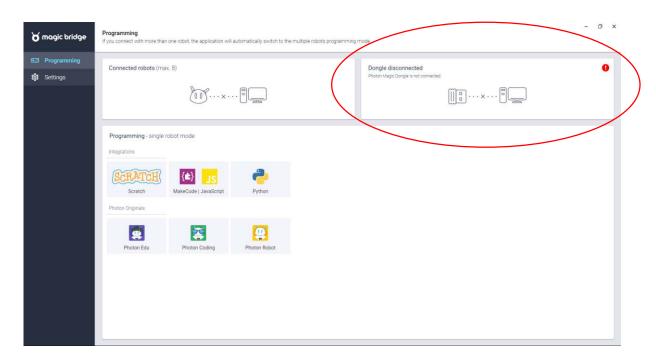
Download your application

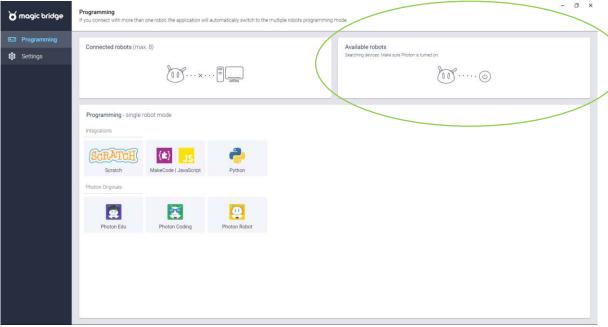


https://photonrobot.com/magic-bridge/

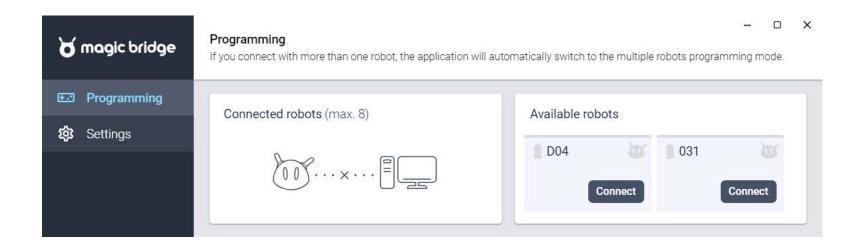


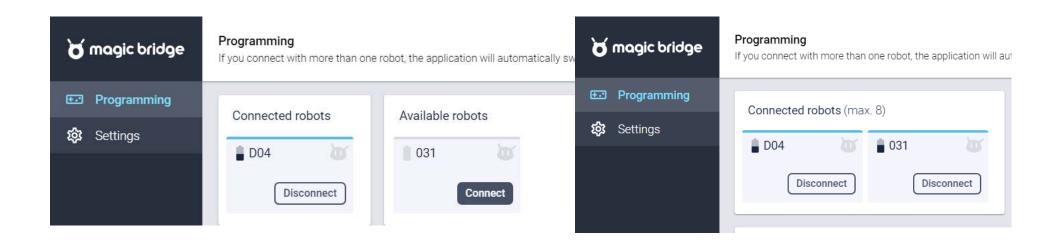
Connect Photon Magic Dongle



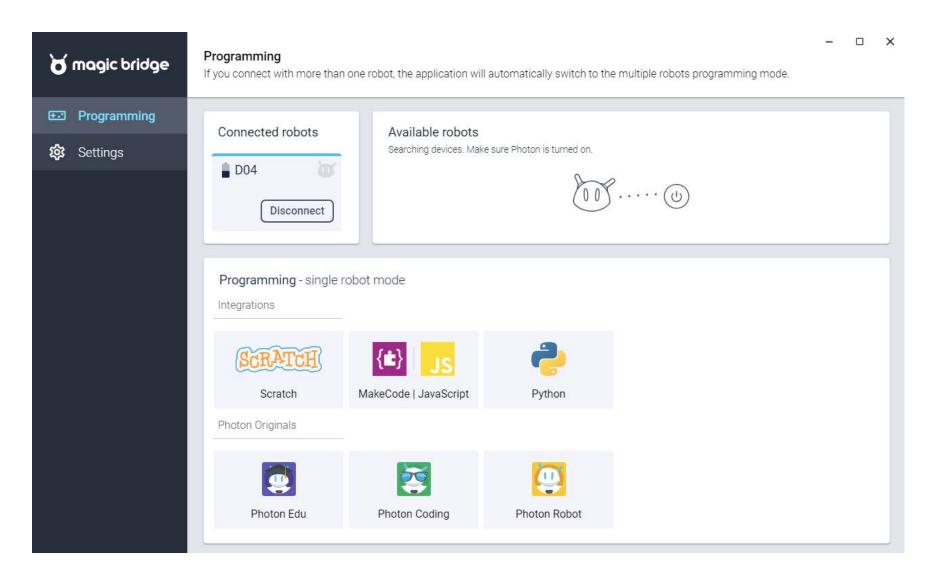


Connect your Photons





Choose your coding app by clicking on it



Integrations





Scratch

Block-based visual programming language allowing children create online projects using a block-line interface.



Open source platform teaching coding via block connecting.



JavaScript

Open source platform teaching coding via JavaScript editor.



Python

This advanced programming language teaches coding using script. Get Photon and go to the next level with Python.



Swift Playgrounds

Teach Apple Swift programming language with Photon Robot. Download the app on iPad, connect the robot and discover new possibilities.



Azure IoT Hub

Thanks to two-way communication with Azure it is now possible to transfer data obtained from robot's sensors to cloud architecture, process it in the cloud and send instructions to the robot.

Photon for Education

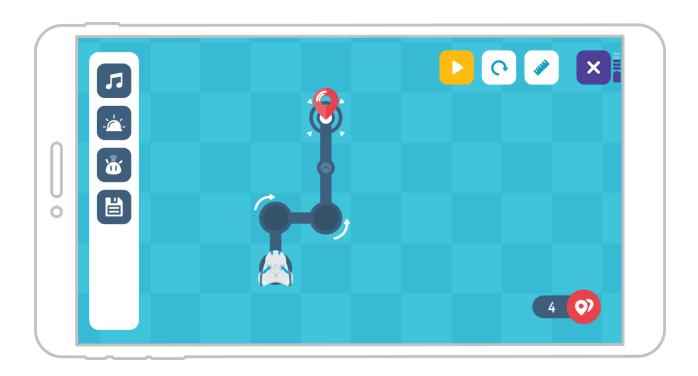
photon

Applications' interfaces

Our approach to various age groups

Photon Draw

Coding through path drawing. Recommended for 5-7 year-old children.

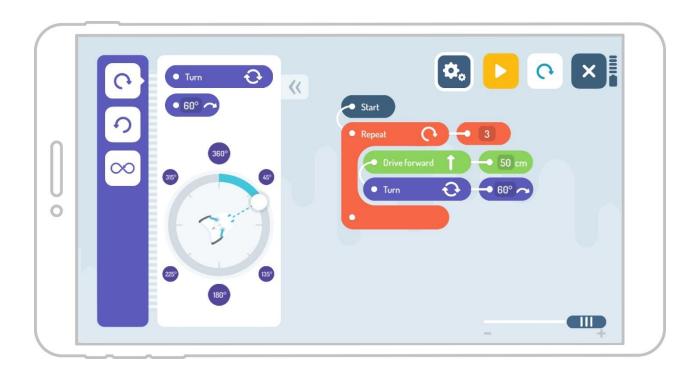


Photon Badge

Creating a program using instructions with symbols. Recommended for 7-9 year-old children.



Coding through blocks matching and configuration. Recommended for 9-11 year-old children.



Photon Code

Creating sequences similar to real programming. Recommended for 11-12 year-old children.

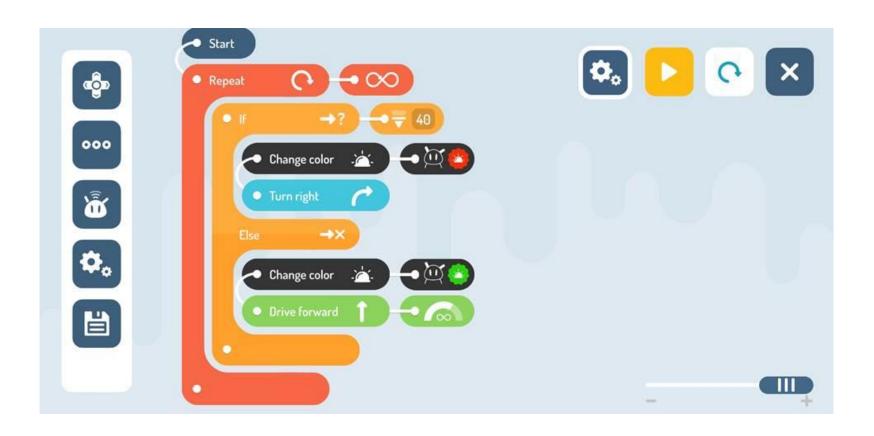


photón

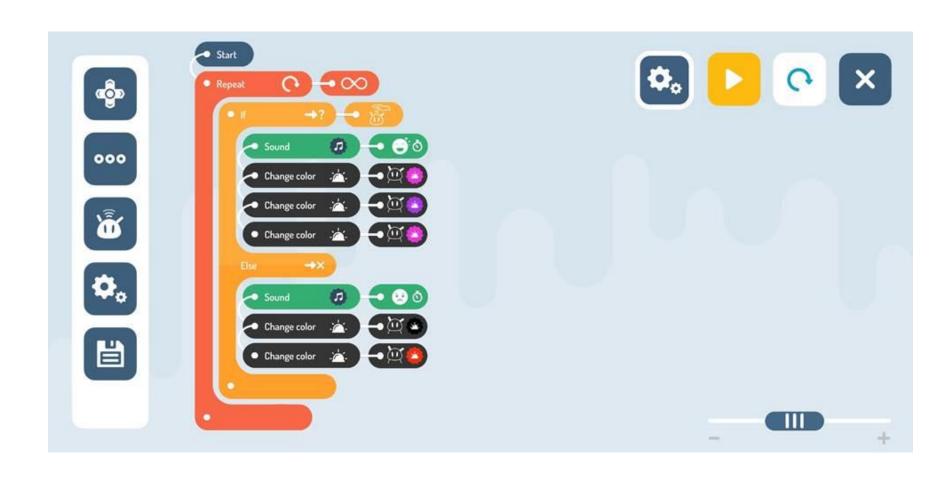
Applications' interfaces

Sample programs

Avoiding obstacles



Touch detection



Interrobot communication

Robot no. 1



Robot no. 2

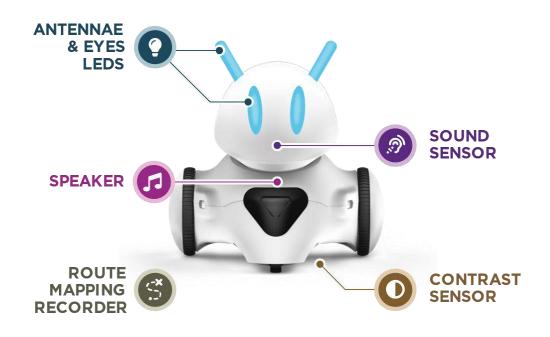


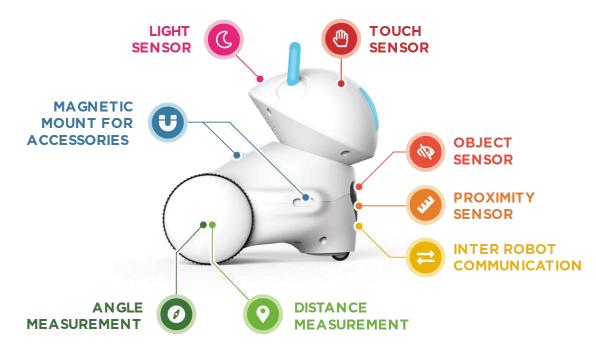
photon

What can Photon do?

Sensors & technical details

Photon sensors





Technical informations

Battery life up to 8 hours

Battery charging time up to 3 hours

Charging via the microUSB port

Power built-in Li-ion battery

Safety construction compact, closed Housing materials PC and EARSTAR Certificates CE (RoHS, EN-71)
Warranty 24 months



photón

Where are you Photon?

International presence

Over 14 000 Photon robots are used as a didactic tool

in thousands of schools

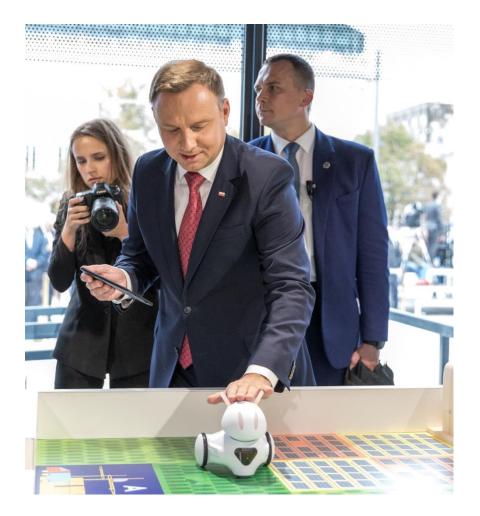


Product internationalisation

	Applications	Lesson plans	Packaging*
ENGLISH	TRANSLATED	ADAPTED	DEFAULT
DUTCH	TRANSLATED	TRANSLATION IN PROGRESS	ON THE REGIONAL SLEEVE (ON DEMAND)
GERMAN	TRANSLATED	ADAPTED	ON THE REGIONAL SLEEVE (ON DEMAND)
SPANISH	TRANSLATED	ADAPTED	ON THE REGIONAL SLEEVE (ON DEMAND)
FRENCH	TRANSLATED	TRANSLATION IN PROGRESS	ON THE REGIONAL SLEEVE (ON DEMAND)
ITALIAN	TRANSLATION IN PROGRESS	TRANSLATION IN PROGRESS	ON THE REGIONAL SLEEVE (ON DEMAND)
*: CHINESE	TRANSLATION IN PROGRESS	TRANSLATION IN PROGRESS	ON THE REGIONAL SLEEVE (ON DEMAND)
ARABIC	TRANSLATED	TRANSLATION IN PROGRESS	ON THE REGIONAL SLEEVE (ON DEMAND)
POLISH	TRANSLATED	ADAPTED	NOT AVAILABLE
CZECH	TRANSLATED	ADAPTED	NOT AVAILABLE
SLOVAK	TRANSLATED	ADAPTED	NOT AVAILABLE
SWEDISH	TRANSLATED	ADAPTED	NOT AVAILABLE

^{*} in case of a bulk order exceeding 3000 Photon units, it is possible to create a dedicated packaging for a given market.

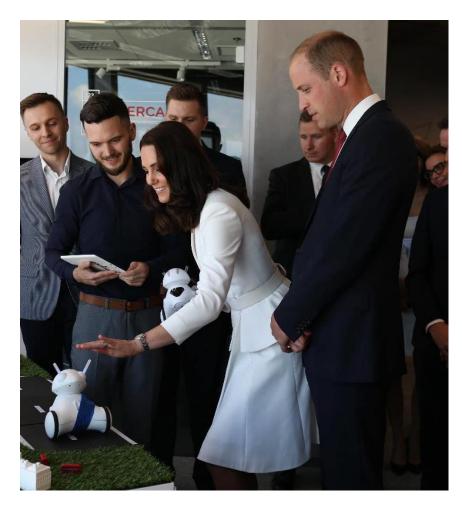
International recognition





President of Poland (Andrzej Duda)

International recognition



The Duke and Duchess of Cambridge



German Chancellor (Angela Merkel)

