



USER MANUAL

MAGIC BRIDGE

DOWNLOAD AND INSTALL MAGIC BRIDGE APP

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



Homepage Robot For home Apps Education Blog



How to start?



Connect Magic Dongle to computer



Download Magic Bridge – it's free



Connect to Photon Robots



Use interactive whiteboard or Educational Mat if you like

Download Magic Bridge App

WINDOWS*

MAC

CHROME OS

Download Magic Dongle drivers

DRIVERS

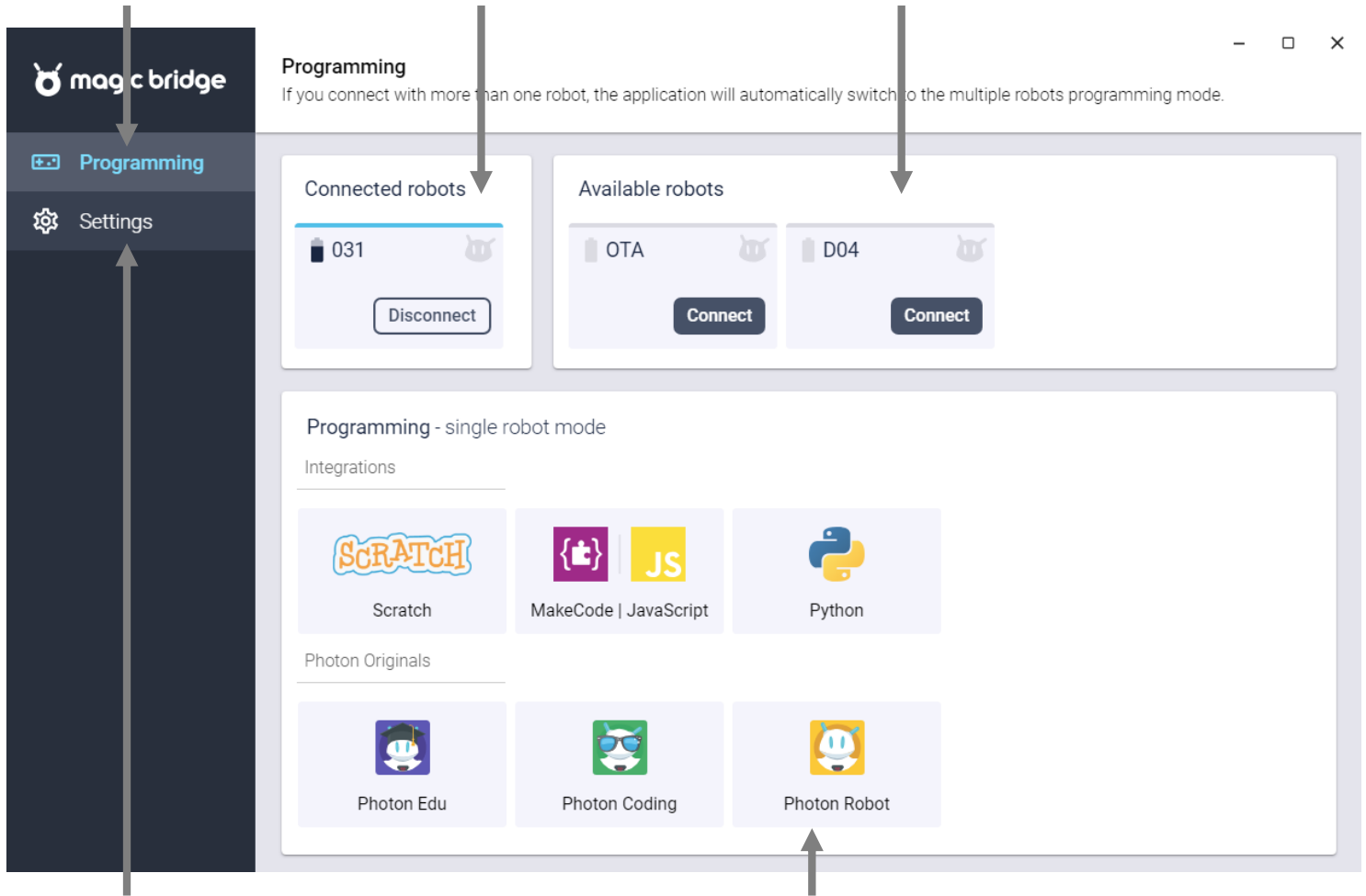
*required for Windows 7 and Windows 8.1

MAGIC BRIDGE APP DESCRIPTION

Main menu

Panel with all connected robots

Panel with all the robots ready to connect



Settings

Panel with available interfaces and applications

SETTINGS

Here you can change language, resolution and check version of the app.

magic bridge

Settings
Configure app settings

Programming

Settings

Language
English

Photon Originals applications resolution
1920 x 1080

App version: 1.1.0-beta

CONNECTION WITH MAGIC DONGLE

The screenshot shows the 'magic bridge' application interface. The main window is titled 'Programming' and contains a 'Connected robots (max. 8)' section with a robot icon and a computer icon connected by a dotted line. A red exclamation mark icon is visible in the top right corner of the window. A callout box with a white background and a red exclamation mark icon contains the text 'Dongle disconnected' and 'Photon Magic Dongle is not connected.' Below this text is a diagram showing a USB dongle icon connected to a computer icon by a dotted line. A white arrow points from this callout box to another callout box below it. This second callout box has a white background and a light blue border, containing the text 'Available robots' and 'Searching devices. Make sure Photon is turned on.' Below this text is a diagram showing a robot icon connected to a power button icon by a dotted line.

Plug-in Magic Dongle into the USB port in your computer to connect with robots.

Dongle disconnected
Photon Magic Dongle is not connected.

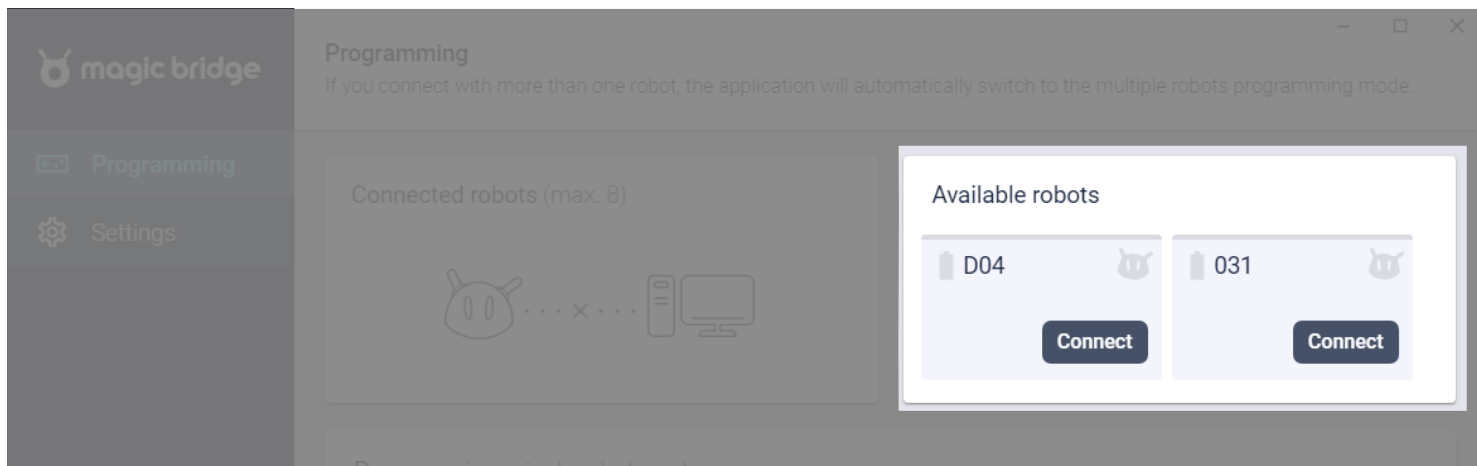
When the connection between computer and Magic Dongle is established, you will see the following screen in the application.

Available robots
Searching devices. Make sure Photon is turned on.

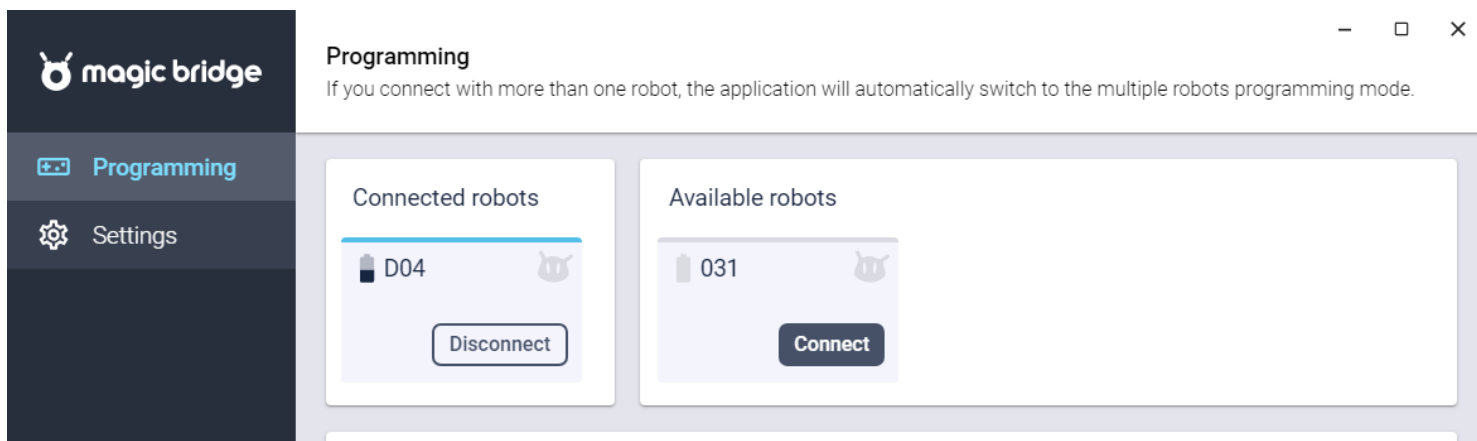
You can turn on your Photons.

CONNECTING WITH ONE ROBOT

Application will search for robots.

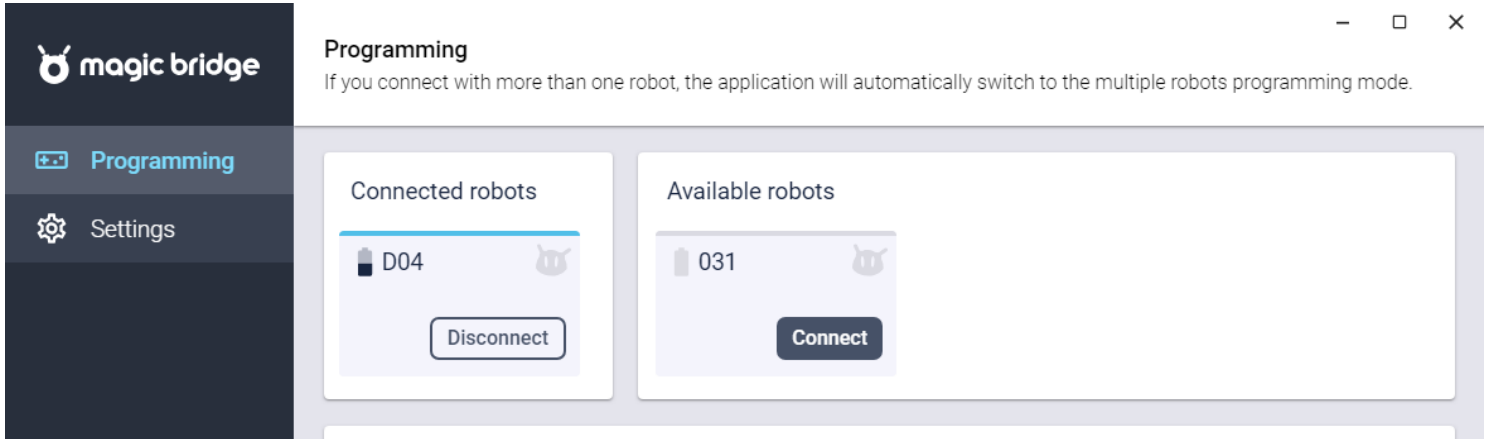


When you press „connect”, block with your Photon’s unique number will be shown in the left segment of the interface.

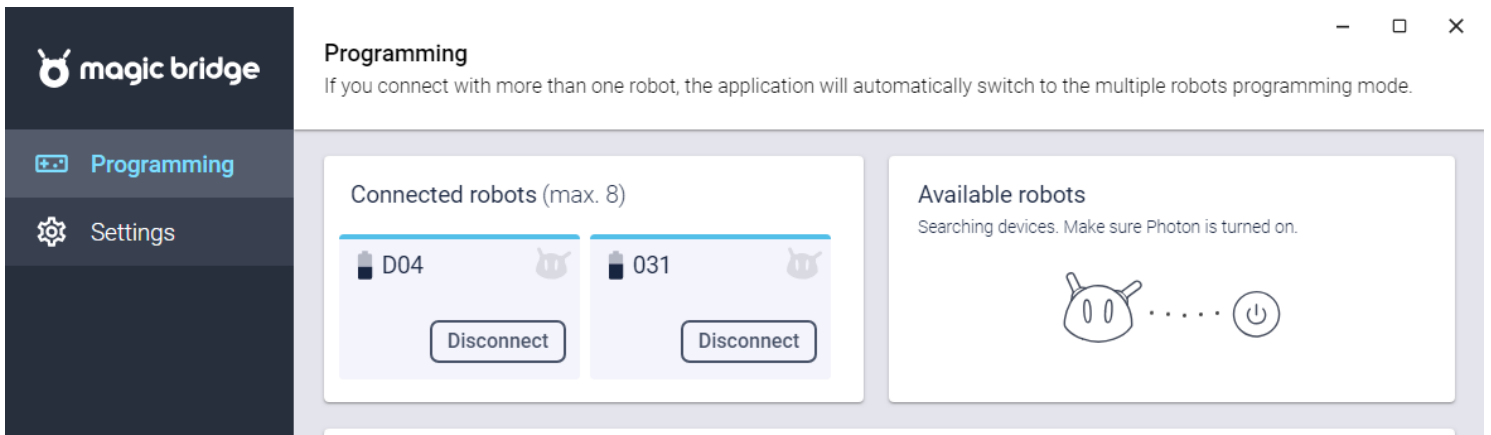


CONNECTING WITH MANY ROBOTS

Choose the robot that you wish to connect from ,Available robots' list and press ,Connect'.



Block with Photon's unique number will be shown in the left segment of the interface.



PROGRAMMING METHOD

All you need to do is to press the interface or application that you want to use for coding.

The screenshot displays the 'magic bridge' programming interface. On the left is a dark sidebar with the 'magic bridge' logo and three menu items: 'Programming' (highlighted), 'Settings', and 'Settings'. The main area is titled 'Programming' and includes a note: 'If you connect with more than one robot, the application will automatically switch to the multiple robots programming mode.' Below this are two panels: 'Connected robots' showing a robot named 'D04' with a 'Disconnect' button, and 'Available robots' showing a search status and a power button icon. The bottom section, 'Programming - single robot mode', features 'Integrations' (Scratch, MakeCode | JavaScript, Python) and 'Photon Originals' (Photon Edu, Photon Coding, Photon Robot).