Edison

fun robotics for tomorrow's inventors!

play beep | set memory | event wait | remote control

Meet Edison the super affordable educational robot
LEGO® compatible robotics is now at a price your school can afford!

Edison Programmable Robot Key Features:

- Super affordable, programmable educational robotics.
- Modular and LEGO® robotics compatible.
- Graphical robot programming software.
- Modular and easily expandable.
- Suitable for all ages – From 5 to 95.

The **Edison Programmable Robot** is for students of all ages and also for both beginner and experienced robotics enthusiasts. You can buy a single robot and learn computer programming just like other robotics systems which can cost much, much more. Edison is a great resource for teachers as classroom sets are now very affordable for schools - it's now possible to have one robot per student. Edison is modular and LEGO® compatible. It provides a scalable way to build any size robotic invention.

There's a lot that one Edison Robot can do. Imagine what your students can do with a team of them working together! Let your students imaginations run wild. Why not make a remote control robot!

Edison is great for school education and to teach kids robotics and programming. Lesson plans are provided to help make it easy for teachers to get started.

Edison is:

Affordable
LEGO® compatible robotics is now at a price your school can afford.

Programmable
Graphic robot programming software for Windows, Mac, Linux, iOS and Android.

Easy to use
Six pre-programmed robot activities set by barcodes.

LEGO® compatible
Modular and easily expandable. Perfect for robotics projects.

Classroom ready
10 free robotics lesson plans with student worksheets and activity sheets.

Built to last
Tough enough to be driven over by a car.

Edison can:

- Navigate his way around by detecting obstacles to his left or right.
- Be controlled by a standard TV/DVD remote.
- Follow a line or stay within a border.
- Follow a flashlight.
- Communicate with another Edison using infrared light - robot swarm anyone?
- Play beeps and musical tunes.
- Respond to clapping and other loud sounds.
- Move in any direction through his differential drive system and infrared obstacle detectors (left and right).

Edison has:

- Line tracking sensor.
- Light sensors (left and right).
- Infrared receiver.
- Infrared transmitter.
- Piezo sounder.
- Sound sensor.
- Two motors with variable speeds.
- Left and right red LED lights.
- Three control buttons.

More than just a robot! Edison comes with all of these free online resources...

10 Robotics Lesson Plans

Getting your class started with the Edison robot is easy with these 10 Robotics Lesson Plans. Students of all ages really enjoy the programming process, problem solving and collaboration involved with these Robotics Lesson Plans.

Integrate Edison into your classroom with ease with the fully illustrated set of 10 free robotics lesson plans. The complete document is 66 pages and includes 36 student Worksheets, 5 Activity sheets, a student achievement chart and a student award certificate.

Your EdVenture into Robotics - You're a Controller

In EdBook1 learn about robotics with Edison, no programming required! Edison can read special barcodes in the book that activate pre-programmed features, such as line following, obstacle avoidance, sumo wrestling and much more. In total seven fun and educational robot activities across 16 pages.

EdMat Robot Activity Mat

An A1 size (590 x 840mm) mat for robot activities such as line following and bounce in borders. The EdMat has six barcodes that activate pre-installed programs such as follow torch, line tracking and sumo wrestle. Artwork available for download. Printed mat available to purchase separately.

Your EdVenture into Robotics - You're a Programmer

In EdBook2 learn about robot programming by programming Edison yourself! Learn how to write your own robot programs using EdWare's easy-to-use drag and drop graphical robot programming software. In total 10 fun and educational robot activities across 27 pages.

Graphical Robot Programming Software

Make robot programming fun and easy to learn with drag and drop graphical icons. EdWare is FREE to use and is for Windows, Mac, Linux, iOS (iPad) and Android tablets.

Your EdVenture into Robotics - You're a Builder

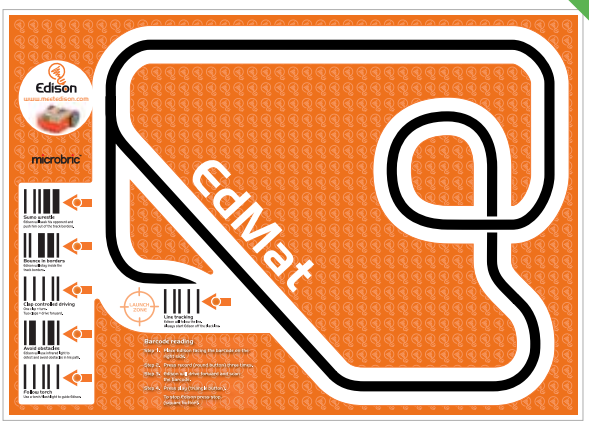
In EdBook3 learn about LEGO® robotics. Follow the step-by-step guide to combine two Edison robots with LEGO® to create more complex robots, such as a remote control robot digger (EdDigger) or a printer (EdPrinter).

Download resources from www.meetedison.com/download

Edison Robot

Single Edison Robot with EdComm Programming Cable.
EDP0001 Each $web

NEW



EdMat Robot Activity Mat

The EdMat is an A1 size (590 x 840mm) Robot Activity Mat.
The EdMat has six barcodes that activate Edison's pre-programmed features and a track for Edison to follow. The track can also be used for bounce in borders and sumo wrestling.
EDMAT1 Each $web

EdBlocks

EdBlocks is a fully icon-based robot programming language that is super easy to use. A drag-and-drop block-based system, EdBlocks is intuitive and fun, even for younger users. Perfect for introducing anyone to programming, EdBlocks is ideal for students aged 8 to 12 years old.

EdWare

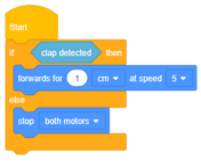
EdWare is a hybrid graphical robot programming language that combines the ease of drag-and-drop icons with increased functionality from text-based entry. The result is a robot programming language that is easy to learn and offers a robust next-step in coding education.

```
#--------Your code below-----------

while true:
    Ed.LeftLed(Ed.ON)
    Ed.TimeWait(1, Ed.TIME_SECONDS)
    Ed.LeftLed(Ed.OFF)
    Ed.TimeWait(1, Ed.TIME_SECONDS)
```

EdPy

EdPy is a highly versatile text-based programming language based on Python. EdPy makes text-based programming fun by letting students see their code come to life in their Edison robot. With EdPy, students are learning the core of a real programming language and are able to take their exploration of robotics and coding to a more advanced level.



EdScratch

EdScratch is is a vertical block-based programming language for the Edison robot based on Scratch. EdScratch combines the ease of drag-and-drop programming with powerful, flexible functionality and is supported by a range of educational resources.

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