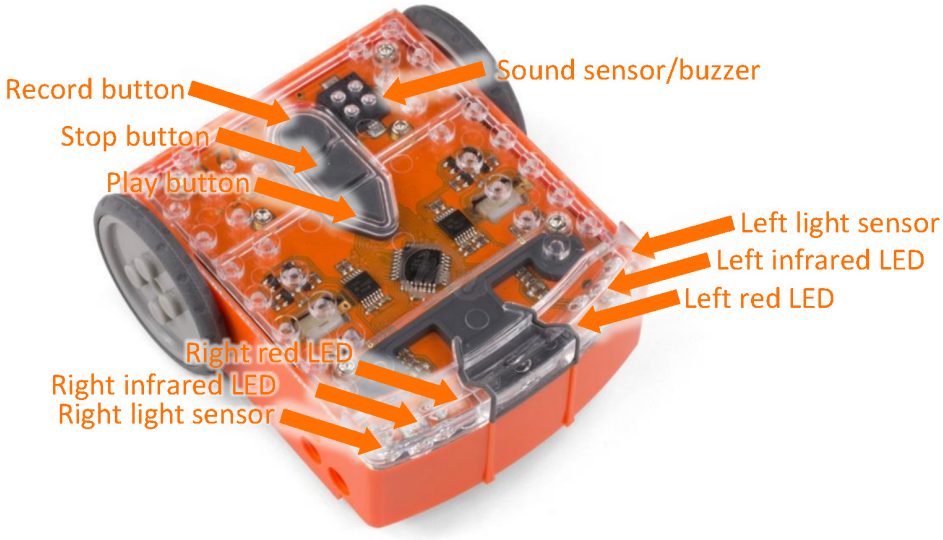
Meet Edison

Your Edison robot is LEGO brick compatible on four of its sides, has a removable skid and two removable wheels and includes a range of built-in sensors. Familiarity with your robot will allow you to create an incredible range of robotics and coding projects.

The top of Edison is transparent so you can see the electronics inside.

Edison's sensors, buttons and switches

To use Edison, you're going to need to know where all of Edison's sensors are located and become familiar with the robot's three buttons.



Top view: Edison's sensors and buttons.

Default settings of Edison's three buttons:

- Record button → 1 press = download program
  → 3 presses = scan barcode
- Stop button → 1 press = stop program
- Play button → 1 press = run program

Turn the Edison robot over to see where the power switch, removable skid, and line tracking sensor are located on the bottom.

Edison's line tracking sensor is made up of two parts: a red LED light and a light sensor.

The line tracking sensor also reads special barcodes that activate pre-installed programs.

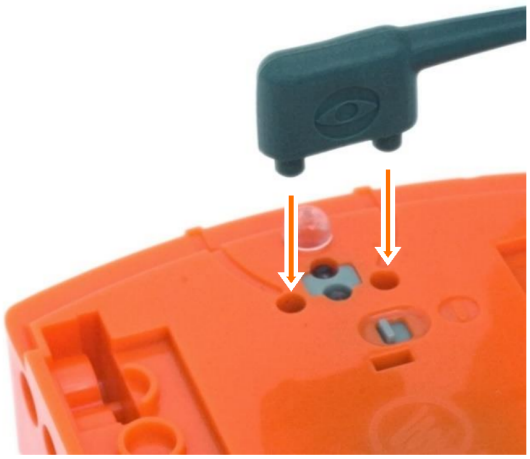
Location of Edison's power switch, skid, and line tracking sensor.

Connecting Edison to a computer or tablet

You also need to know how to connect Edison to a computer or tablet using the EdComm cable to be able to download programs.

To connect Edison, plug the audio jack end of the EdComm cable into the headphone socket on your computer or tablet. The other end of the EdComm cable connects to your Edison robot as shown.

The EdComm programming cable.



How to attach the EdComm programming cable to Edison.

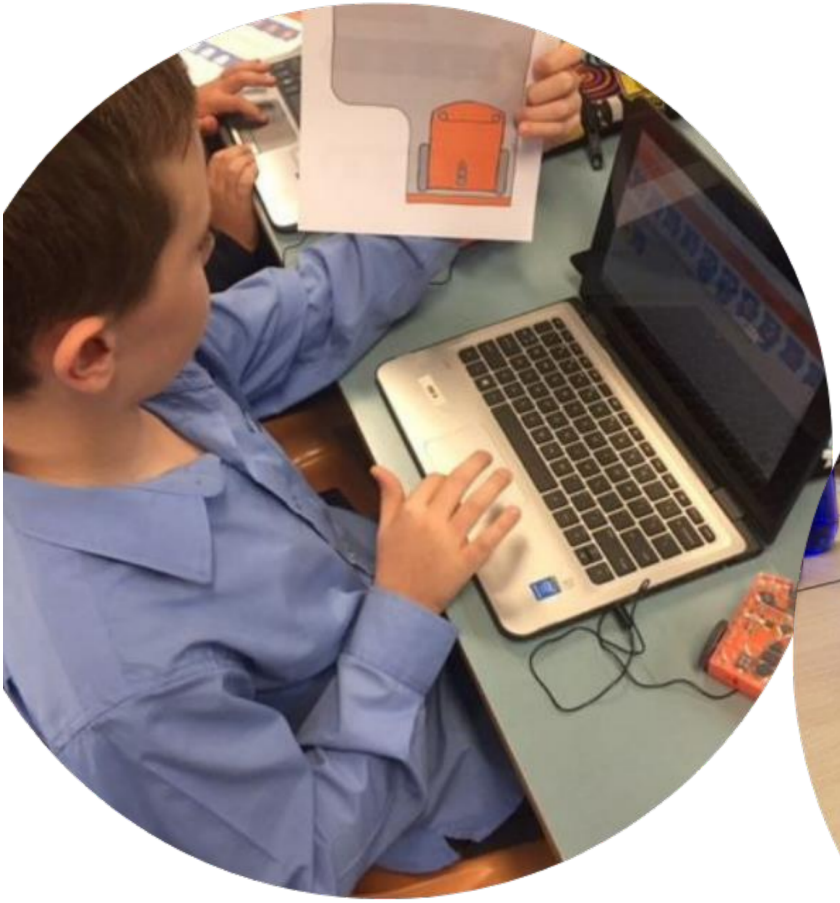
Programming Edison

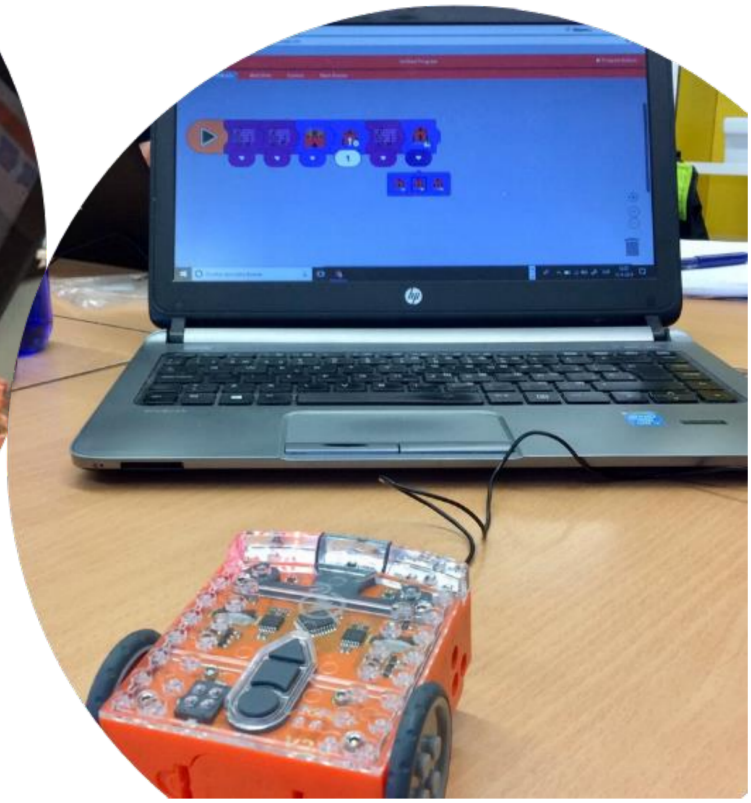
Edison can be programmed using pre-set barcodes and via a range of programming languages through our free web apps. When you use any of the online programming languages, you will need to code a program for Edison in the programming application, then download that program into your Edison robot to run the program. While your program is downloading, Edison will make sounds similar to an old dial-up modem. This is the sound of the program downloading into Edison.

Once the program has finished downloading[8], Edison will let you know if you have successfully programmed the robot or not by playing one of two sets of sounds:

- the 'success sound' set of beeps (the same chirping beep Edison makes when you first turn the robot on), indicating Edison has successfully received the program, or
- the 'fail sound' set of beeps (a descending beeping sound), indicating the program failed to download correctly.

You can hear recordings of both the 'success sound' and the 'fail sound' at https://meetedison.com/edison-robot-support/trouble-shooting/#success-fail-sounds





[8] Edison will also make either the 'success' or 'fail' sound after the robot finishes scanning a barcode.