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# EDISON

## PRIMEROS PASOS: CÓMO FUNCIONA

### INSTALACIÓN DEL ENTORNO





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# Encendido





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**on/off**



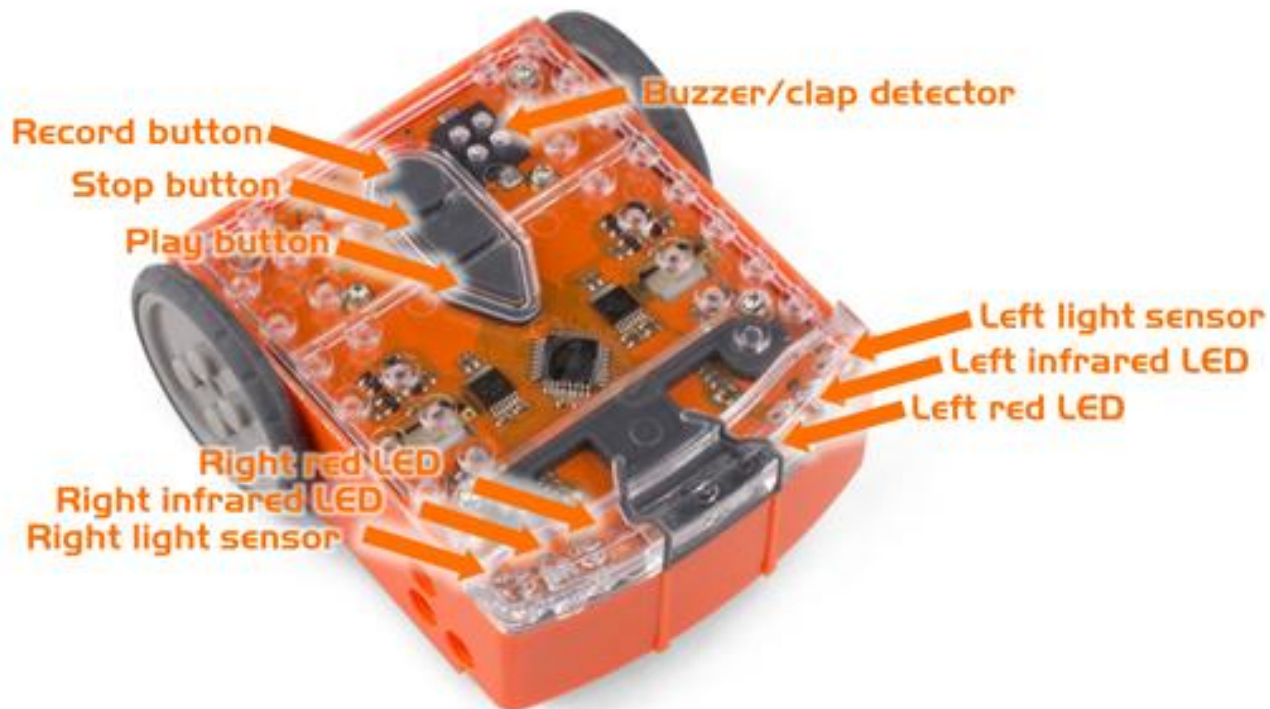


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# De que se compone nuestro robot

Vamos a ver los sensores disponibles





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# Instalación del entorno de programación

<https://meetedison.com/download/>

Multiplataforma

Diferentes posibilidades de programar: Edware, EdPy



Edison EdWare

File Program Edison Help

Zoom 100%

Add Variable Program Edison

**control**

- flash LED
- play beep
- play music
- detect obstacle
- single drive
- dual drive
- line tracker

start line tracker loop start IF line dual drive dual drive loop end end

**Dual Drive Properties**

Constant	Variable
Direction: Forward	<<-Constant >>
Speed: 0	<<-Constant >>

**Help**

Control both motors using the following options:

Direction:  
 Direction refers to the direction the robot will move.  
 Forward - Drive the wheels to make the robot move forwards  
 Backward - Drive the wheels to make the robot move backwards  
 Forward right - Drive the wheels to make the robot turn

**Variables**

Name	Range	Initial Value
<NEW>		

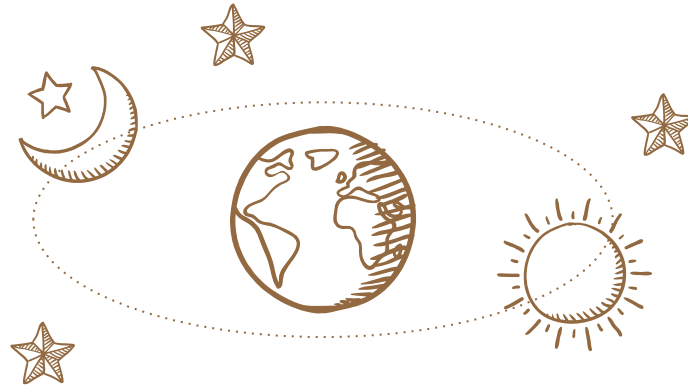
Edison EdWare \*File: Line-tracking.edw



Menu Save		Drive_Square		Check Code	Program Edison
Programs		Drive_Square		Documentation	
Line_following	🗑️	1	#-----Setup-----	Search documentation...	
SuperSumo	🗑️	2		Ed.List()	
Robot_Go_Crazy	🗑️	3		Ed.LeftLed()	
Bounce_in_borders	🗑️	4	import Ed	Ed.RightLed()	
✓ Drive_Square	🗑️	5		Ed.ObstacleDetectionBeam()	
Recently Opened		6	Ed.DistanceUnits = Ed.CM	Ed.LineTrackerLed()	
Robot_Go_Crazy		7	Ed.Tempo = Ed.TEMPO_MEDIUM	Ed.SendIRData()	
Drive_Square		8		Ed.StartCountDown()	
		9	#-----Your code below-----	Ed.TimeWait()	
		10		Ed.RegisterEventHandler()	
		11	for x in range(4):	Ed.PlayBeep()	
		12	Ed.Drive(Ed.FORWARD, 5, 10)	Ed.PlayMyBeep()	
		13	Ed.Drive(Ed.SPIN_LEFT, 1, 90)	Ed.PlayTone()	
				Ed.PlayTone()	
		<b>🔔 Compiler Output</b>		<b>🔔 Line Help</b>	
		There are no errors in your code.		Edison spins counter-clockwise for 90 degrees at speed 1.	



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# Vamos a comenzar con los ejercicios



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