

Co-funded by the Erasmus+ Programme of the European Union



STEP by STEP

ROBOTICS ServoMotor Flag





Lesson Objectives

- Know the servomotors or servos
- See how they differ from a normal engine
- Learn to handle them with a joystick
- Use analog input blocks with different pins
- Introduce the algorithm concept





Material and resources to use

Nome	Figura	Descrição
Arduino		Arduino Uno or compatible and with the firmware for S4A loaded.
Breadboard		Breadboard with 840 pins
Joystick	ATTIC CONT	A joystick is composed of a pair of potentiometers (one for the X axis and one for the Y)
ServoMotor		A servomotor does not rotate continuously, but what we do is control its position.





Material and resources to use

Nome	Figura	Descrição
Cables		Cables to connetions
Software S4A	S4A	Development Software
Tablet		Device build program
Computer		Device build program





ServoMotor Flag drawing







ServoMotor Flag drawing







ServoMotor Flag drawing

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Step By Step



Upload the FirmeWare to Arduino







Connection				
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Arduino 1 Off Analog0 0 Analog1 0 Analog2 0 Analog3 0 Analog3 0 Analog5 0 Digital2 false Digital3 false		Click "Select serial/USB port"		







