Importing the L12-EV3 block into LEGO EV3

There are two ways to import the L12-EV3 block into MINDSTORMS EV3. You can either open one of the example projects, or follow the instructions below to import the block directly into your own project.

Open LEGO MINDSTORMS EV3.
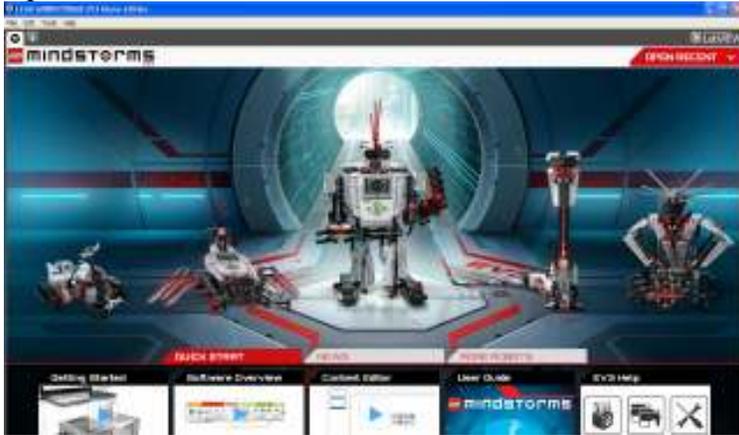

Open an existing project or create a new one.

Click Project Properties. Click the My Blocks tab. Click Import.
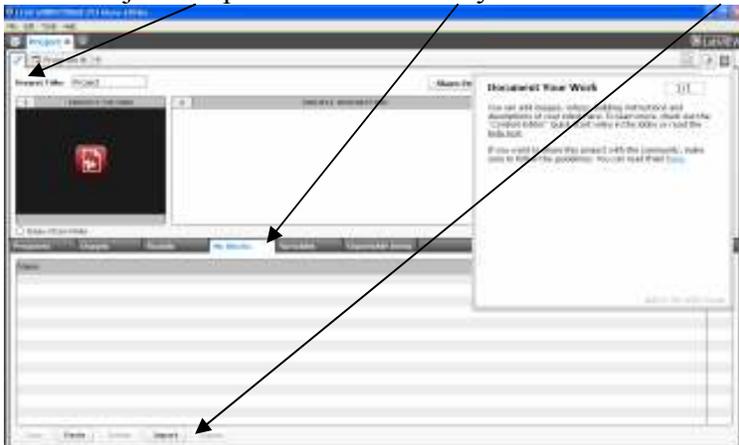
Navigate to the downloaded folder and Open L12NXT.ev3s.

The L12NXT block will now show up in your My Blocks tab.
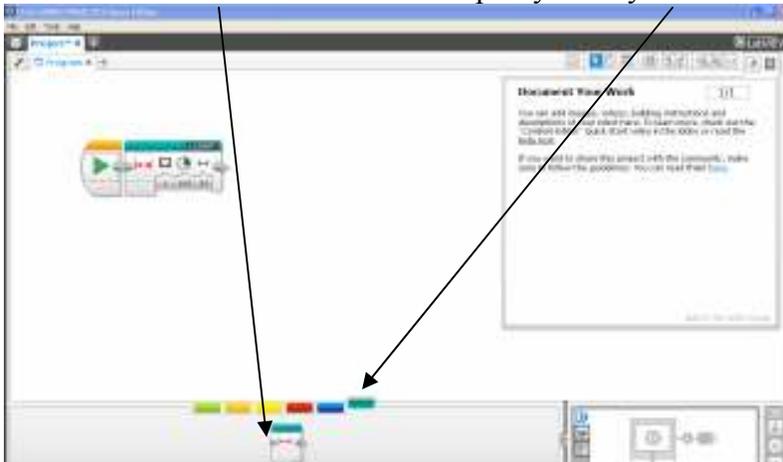
Configure the block as desired:

The first Input is the Motor Port. Enter the port that you have plugged the L12-NXT into. Enter 1 for Port A, 2 for Port B, 3 for Port C, or 4 for Port D.

The second Input is speed and direction. Enter a positive value to extend the actuator or a negative value to retract the actuator. The range is 0 to 100 percent.

The third Input is distance. Each step is 0.5mm. For example, entering 20 will move the actuator a distance of 10mm.

The block contains stall protection code that protects your actuator in the event of a stall condition. A stall condition means the actuator is unable to move even though the motor is on. This can be caused by pushing or pulling something that is too heavy, by hitting the fully extended or retracted positions, or by setting the speed too low.