

# Flipping an object with two robots

User instructions



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## Turning on the robots

Connect the two robots with the power supply given. Toggle the robots switches to power them on. When the led at the back become blue or green, the robots are ready. You can calibrate them.

Then open two Niryo Studio application, connect one robot to each application and start the programs Robot1 and Robot2.

Finally, launch the flipping program on the Arduino board.

## Shutdown of the robots

To shutdown the demonstrator, you just have to stop the programs on the two robots on Niryo Studio, you then need to press the top button on each robot and wait for the led to turn purple (after about three seconds), then wait for the led to turn red and when its, you can switch off the robots and unplug them.

## Game play

When we press the push button, the robot 1 takes the object in front of it, move it to give it to the second robot, then the second robot move to the object, and take it, the first robot opens its gripper and goes back to its starting position, the second robot put the object in front of it, flipped, and goes back to his starting position.