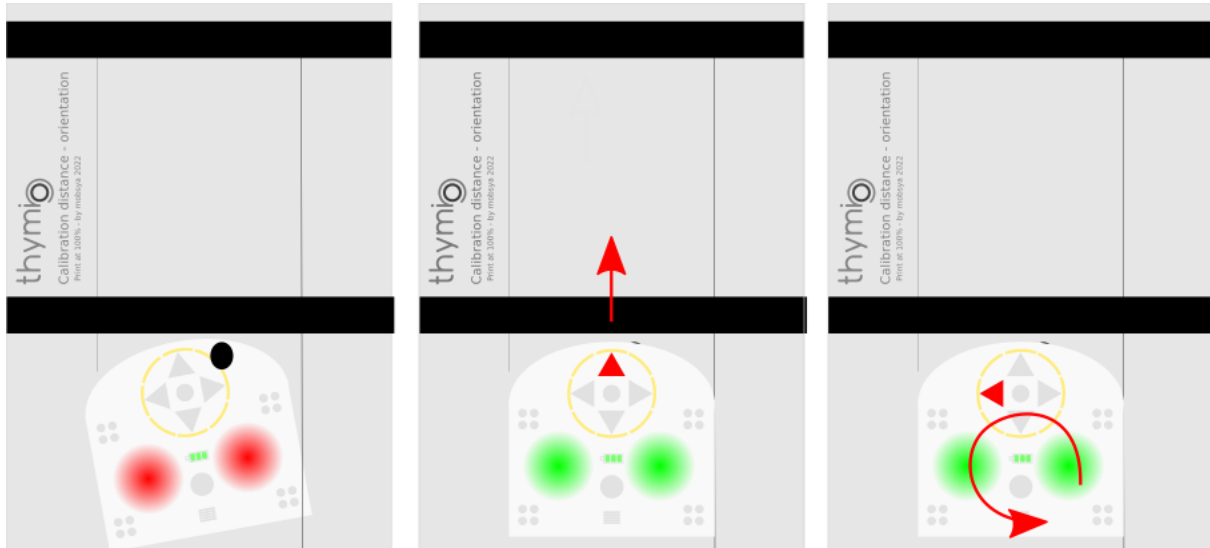


ORIENTATION AND DISTANCE CALIBRATION

Before beginning some activities, you may need to perform a calibration of the robots. Indeed, every motor has its own characteristics. They will all give different results. This can result in the failure of the activity.



Distance calibration:

1. Press simultaneously on the left and right arrows of Thymio for 3 seconds. The robot will blink in red.
2. Put the robot on the sheet « Thymio, Calibration distance – orientation ». Place it carefully on the silhouette. If it's correctly placed, the robot will blink in green.
3. Pressing the forward arrow button, the robot will move up to the black line and stops.

Orientation calibration:

1. Press simultaneously on the left and right arrows of Thymio for 3 seconds. The robot will blink in red.
2. Put the robot on the sheet « Thymio, Calibration distance – orientation ». Place it carefully on the silhouette. If it's correctly placed, the robot will blink in green.
3. Pressing the left arrow button, the robot will make a full turn.

If you find that the one of the steps was not precise you can redo it.

The calibration is stored on the in the memory of Thymio or in the microSD card if present.