# Muvi X-Drone calibration

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Please refer to user manual for Compass Calibration
X-Drone Accelerometer Calibration Steps

1. Place the X-Drone on a flat piece of ground. Turn on the remote and then turn on the X-Drone.

2. After the X-Drone has turned on normally toggle both joysticks together, moving them down and inwards as show until the lights go out on the X-Drone and then return the joysticks to the middle position. This means that the X-Drone has entered accelerometer calibration successfully.

3. When the four arm lights on the X-Drone turn on again, place the X-Drone on the ground upside down. To avoid scratching the X-Drone we recommend that place it on a cloth or similar item. Toggle both joysticks on the remote together, moving them down and inwards as before until the lights go out on the X-Drone and then return the joysticks to the middle position.

4. When the four arm lights on the X-Drone turn on again, lean the four arms of the X-Drone against a wall, with the nose facing downwards, to make it perpendicular to the ground. Toggle both joysticks on the remote together, moving them down and inwards as before until the lights go out on the X-Drone and then return the joysticks to the middle position.

5. When the four arm lights on the X-Drone turn on again, lean the four arms of the X-Drone against a wall, with the nose facing to the left, to make it perpendicular to the ground. Toggle both joysticks on the remote together, moving them down and inwards as before until the lights go out on the X-Drone and then return the joysticks to the middle position.
6. When the four arm lights on the X-Drone turn on again, lean the four arms of the X-Drone against a wall, with the nose facing upwards, to make it perpendicular to the ground. Toggle both joysticks on the remote together, moving them down and inwards as before until the lights go out on the X-Drone and then return the joysticks to the middle position.

7. When the four arm lights on the X-Drone turn on again, lean the four arms of the X-Drone against a wall, with the nose facing to the right, to make it perpendicular to the ground. Toggle both joysticks on the remote together, moving them down and inwards as before until the lights go out on the X-Drone and then return the joysticks to the middle position.

8. When the four arm lights on the X-Drone turn on again, this means the calibration has been successful. Place the X-Drone back on the ground the correct way up and turn the X-Drone and the remote off.

We recommend you calibrate the accelerometer and gyroscope together, one after the other.
**X-Drone Gyroscope Calibration Steps**

1. Place the X-Drone on a flat piece of ground. Turn on the remote and then turn on the X-Drone.

2. After the X-Drone has turned on normally toggle both joysticks together, moving them up and outwards as show until the rear lights the X-Drone start flashing slowly and then return the joysticks to the middle position. This means that the X-Drone has entered gyroscope calibration successfully.

3. The rear LEDs will flash red for around 15 seconds. If calibrated successfully, they will turn to a solid red. If the calibration fails, they will flash red quickly.

4. If the calibration fails, move the drone to a different surface away from vibrations and stand a few feet away from the drone.

We recommend you calibrate the accelerometer and Gyroscope together, one after the other.
X-Drone Remote Calibration Steps

1. Put switch two (S2) in the down position and then turn on the remote control.

2. The middle LED should be flashing quickly

3. Spin both joysticks 5-10 times in a full circle, touching all 4 corners. Spin the left joystick ant-clockwise and the right joystick clockwise as shown.

4. Put switch two (S2) back in the up position, and then turn the remote off and on to complete calibration.