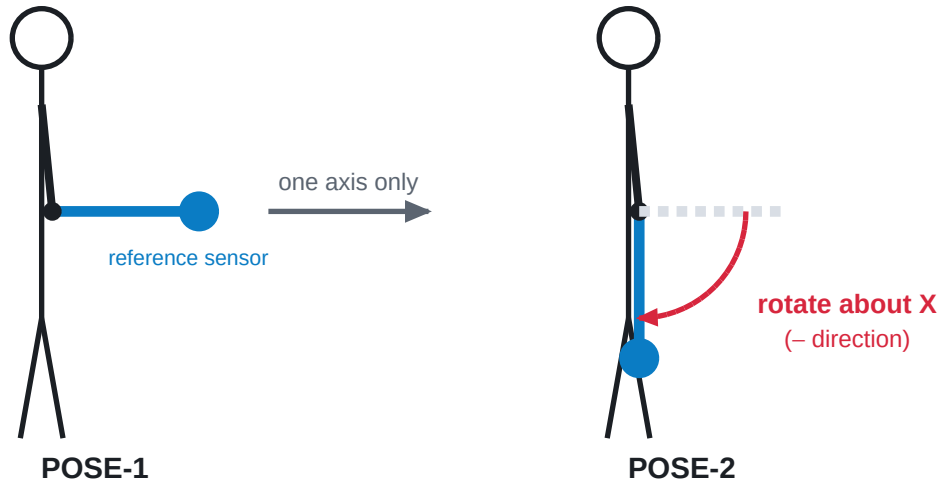
Calibration Guide

G6 / Sentry6 gloves and suits · October 2026 · support@synertial.com

1. How it works

Calibration samples **two poses**, each triggered with a keystroke.

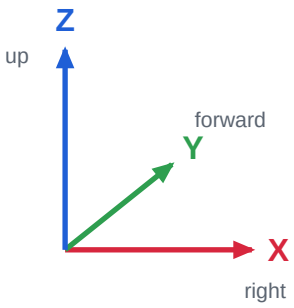
- **Pose-2** is defined by the skeleton file and becomes the reference for the live stream that follows.
- **Pose-1** is any start posture from which you reach pose-2 by rotating one **reference sensor** around **one axis only**.



Tip: shape your fingers like the skeleton's pose-2 when you trigger it. The finger spacing you hold at pose-2 is kept from then on.

2. Set three parameters

Parameter	What to choose
Reference sensor	The sensor that will make the cleanest rotation, e.g. the palm sensor. To confirm its number, open SynShow, press **Ctrl+R** until the live sensors appear, then move that sensor and check the matching number responds.
Reference axis	X or Y. Z is possible but less tested.
Direction	+ or – rotation from pose-1 to pose-2.



Skeleton starts facing +Y

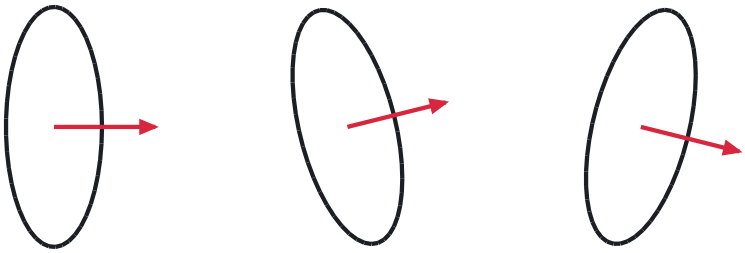
Skeleton file (.sk) value	Means
0	–X
180	+X
90	–Y
270	+Y
45 / 135	Z (experimental)

3. Run it

1. Hold pose-1 still and press the trigger.
2. Move to pose-2, hold still and press the trigger again.

4. Keep the arc square — this matters most

The swing between poses must stay in one clean plane around the chosen axis. Any tilt or twist leaks into the other axes and degrades the whole calibration.



YES NO NO

- Use the patented **two-axis bubble jig** to keep the hand level and square across both poses.
- Put tape lines on the floor and stand on them.
- Check alignment with your eyes, not your head. Look up only just before triggering pose-2.

5. Example poses

Setup	Axis	Pose-1 → Pose-2	Use for
Standing, elbow	X	Forearm held forward, level → arm hanging straight at the side	Gloves, suit, or both
Standing, arms out	Y	Arms rotated out to the sides → arms back down (front-facing plane)	Gloves, suit, or both
Seated at a table	X	Forearm raised 20–30° from the table → palm pressed flat on the table	Gloves
Bubble jig	X or Y	Hand on the two-axis bubble jig, levelled for both poses	Gloves, suit, or both