MotionSleeve™ Instructions for Use

KineticOS · IFU
Rev 6 · 2026-11-11
Rx ONLY

INDICATIONS FOR USE

The MotionSleeve™ is a wearable, non-invasive motion-sensor system intended to measure and monitor joint range of motion (ROM) during physical therapy and rehabilitation activities prescribed by a licensed healthcare professional. It is intended for use by adults (18 years and older) in clinical and home environments under the direction of a care team.

CONTRAINDICATIONS

- Do not place sensors over open wounds, broken skin, active rashes, or recent surgical incisions that have not yet healed.
- Do not use on a limb with active infection or unexplained swelling.
- Not intended for use on children under 18 years of age.

WARNINGS & PRECAUTIONS

Pain. If putting on the sleeve or any exercise causes pain, stop and contact your care team immediately.

Do not exceed prescribed ROM. Follow your care team's protocol exactly. Pushing past prescribed limits can injure you.

Not waterproof. Do not submerge. Do not wear in the shower, bath, or pool. Wipe clean only.

Damage. Do not use if the sleeve, strap, or charging cable shows visible damage, frayed wires, or exposed components.

Charging. Charge only with a standard USB-C cable and a 5V USB power source. Do not modify the device or use damaged power supplies.

Circulation. Wraps should be snug but not tight. They must not cut off circulation or cause numbness, tingling, or color change.

MRI. Do not wear during MRI. The sensor packs contain metal and electronics. Remove the device before entering an MR environment.

WHAT'S IN THE BOX

- **MotionSleeve** — upper and lower sensor pack with connecting strap and two compression wraps
- **USB-C charging cable**
- **This Instructions for Use sheet**

SET UP YOUR ACCOUNT & APP

1. Activate your account. You will receive a welcome email from OpenMotion AI. Follow the instructions in that email to set up your KineticOS™ account and sign in.

2. Download the app. Install KineticOS on your phone — scan the **App Store** code (iPhone, iOS 15+) or **Google Play** code (Android 11+) at the bottom of this page.

QUICK START

1. **Charge.** Plug the USB-C cable into the sensor pack and a 5V USB power source. A full charge takes about 90 minutes. About 30 minutes is enough for a single session.
2. **Put it on.** Position the two sensor packs so the connecting strap spans your knee (leg sleeve) or elbow (arm sleeve), with the **white dot on the upper sensor pack facing outward** (away from your skin). The USB-C charging port faces up. Wraps should be snug but not tight — you should be able to slide a finger under the edge. Then follow the steps for your sleeve type:

   Leg sleeve (knee or hip): Place the larger (wider) wrap on your thigh, above the knee, and the smaller wrap on your calf, below the knee. Wrap each band around the limb like an ACE bandage so that each sensor pack sits on the outer side of the leg (the side of the thigh and calf), then press the hook-and-loop (Velcro) tab to secure. Leg wraps use Velcro only — no buckle.

   Arm sleeve (elbow or shoulder): Lay the sleeve flat on a table with the larger sensor pack (on the wider ~4-inch strap) closest to you. Slide your arm through both strap loops so the larger wrap sits on your upper arm, above the elbow, and the smaller wrap sits on your forearm, below the elbow. Position the upper sensor pack on the outside of your upper arm, next to the triceps, and the lower sensor pack on top of your forearm, just above where a watch would sit. Wrap each strap around your arm and press the Velcro tabs to secure; the rectangular buckles let you cinch each wrap one-handed.
3. **Pair.** Open the KineticOS app and sign in. Tap **Connect**, select your sleeve (OMA-____), and tap **Pair**.
4. **Calibrate.** After Assign Location, follow the on-screen calibration. *Arm sleeve:* hold the Posed Calibration pose and tap Calibrate Now. *Leg sleeve:* choose Standing or Supine, then hold each of the two 5-second positions when prompted.
5. **Exercise.** Tap **Start Session**, follow the on-screen activity instructions, and tap **Complete** after each set. Rate how you feel at the end of the session.

DOWNLOAD FOR IPHONE

Scan to get KineticOS on the Apple App Store (iOS 15+)

DOWNLOAD FOR ANDROID

Scan to get KineticOS on the Google Play Store (Android 11+)

GETTING STARTED

Full setup walkthrough with screenshots
openmotion.ai/get-started/device-setup

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openmotion.ai/get-started/device-setup

CARE & CLEANING

- **Leave the sensor packs in their pockets.** Do not remove the sensors from the compression-wrap pockets — they're designed to stay in place at all times.
- **Spot-clean as needed.** Lightly wipe spots on the compression wraps with a soft, lightly damp cloth using water or a mild soap solution. Do not soak.
- Do not use bleach, alcohol over 70%, harsh solvents, or abrasive cleaners.
- Air-dry. Do not machine wash or tumble dry.
- Do not autoclave or sterilize with heat. Not suitable for shared use between patients without manufacturer-approved cleaning.
- Not made with natural rubber latex.

STORAGE & HANDLING

- Store dry, between 0 °C and 40 °C (32–104 °F), away from direct sunlight.
- Keep away from strong magnets and high-voltage equipment.

BATTERY & CHARGING

- Built-in rechargeable lithium-ion battery. Not user-replaceable.
- Charge with a standard USB-C cable and a 5V USB power source (1A or higher recommended).
- Full charge takes about 90 minutes. Tap the green Connect pill in the app to see remaining battery.
- Do not incinerate, puncture, or disassemble the device. Dispose per local regulations.

TROUBLESHOOTING

- **App can't find the sleeve.** Confirm Bluetooth is on. Move closer to the phone. Make sure the sleeve is charged.
- **Sees it but won't pair.** Battery is likely low. Charge and retry.
- **Only one sensor is working.** This may be a low-power condition. Charge for about 20 minutes, then check again.
- **Avatar doesn't mirror your movement.** Restart calibration from the Connect screen.
- **Sleeve doesn't fit.** Contact us — we'll ship a replacement at no cost.

Full troubleshooting: **openmotion.ai/get-started/troubleshooting**

REPORTING A PROBLEM

Report any device malfunction, injury, or serious adverse event to OpenMotion AI immediately at **hello@openmotion.ai**.

You may also report serious adverse events to FDA MedWatch at **www.fda.gov/medwatch** or by phone at **1-800-FDA-1088**.

SYMBOLS USED

Rx	Federal law restricts this device to sale by or on the order of a licensed healthcare practitioner.
⚠	Caution / Warning — read this document carefully before use.
	Consult the full Instructions for Use online at openmotion.ai/get-started/device-setup.
	Requires a paired smartphone (iPhone iOS 15+ or Android 11+) with the KineticOS app.
	Built-in rechargeable battery. Charge before first use with a USB-C cable.
	Not waterproof. Do not submerge. Wipe clean only.
	Manufacturer — see Device Identification block below.

RESETTING THE SLEEVE

Gen 2 and newer sleeves: the USB-C port is on top of the upper sensor pack, in a faceplate with an LED and a pinhole.

1. Locate the pinhole next to the USB-C charging port.
2. Insert the end of a paperclip into the hole. Push and hold the reset button for 3 seconds.
3. The sleeve will power cycle. If it is charging or connected over Bluetooth, the lights cycle off and on to show it has reset.

Gen 1 sleeves (USB-C port on the back, in a plastic grommet) have no pinhole. See the full troubleshooting guide or contact us.

SUPPORT & FULL INSTRUCTIONS

Full setup guide: **openmotion.ai/get-started/device-setup**

Support: hello@openmotion.ai · openmotion.ai/contact

Care team questions: always contact your prescribing care team first.

DEVICE IDENTIFICATION & MANUFACTURER

Device: MotionSleeve™ wearable motion sensor system

Manufacturer: OpenMotion AI, Inc.

Address: 15431 Fitzhugh Rd., #208, Dripping Springs, TX 78620, USA

Support: hello@openmotion.ai

Materials: Not made with natural rubber latex

System: KineticOS™

FDA Establishment: FEI 3017723982

FDA Product Code: QKC · 21 CFR 890.5360 · Class II (510(k)-exempt)

Web: openmotion.ai

Rx Only. Federal law (USA) restricts this device to sale by or on the order of a licensed healthcare practitioner.

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