

MANUS™ QUANTUM METAGLOVES

Next level finger capture

All new Quantum Tracking Technology

The MANUS Quantum Metagloves provide millimeter accurate finger tracking. Through absolute positioning of the fingertips, the digital hand skeleton is scaled to the physical hand of the user. This results in the most accurate hand- and finger capture to date, while remaining easy to use and without a complex calibration. The new gold standard for finger tracking.

Record movement data and export as FBX

Capture the data provided by the Quantum Metagloves with the recording function in MANUS Dashboard. Review, trim, and export your recorded data as an FBX file to use in many other applications.

Real-time streaming

Stream your capture data real-time to Unreal or Unity for real-time

Use our Xsens Metagloves to stream Quantum finger tracking data to MVN Animate.

Use our OptiTrack Metagloves to stream Quantum finger tracking data to Motive 3.

What's in the box?

- 1x Pair of Quantum Gloves
- 1x Wireless Metaglove Dongle
- 4x Quantum Battery
- 2x USB-C Cables
- 3x Pair of Liner Gloves (S/M/L)
- 1x Getting Started Guide
- 1x Travel Case

SDK and recording finger data

Using native or added plugins finger data will stream real-time to Unreal and Unity. Our open SDK allows for building any other integration.

MANUS Core Software

MANUS Core is our main data handling software and is an essential intuitive way to interact with the gloves from your workstation.

License packages are available for any usecase. Read more on page 3.





Hardware specs.

Signal latency	≤ 7.5 ms
Finger sensor type	Absolute position, 3 axis rotation
Sensor sample rate	120Hz
Battery duration	up to 3 hours (swappable)
Charging time	2 hours USB-C
Weight	146 grams (incl. battery)
Wired communication	USB-C
Wireless communication	Bluetooth Low Energy 5
Wireless range	Up to 15 meters
Textile information	One size fits all (washable)
Finger attachments	Liner Gloves

Compatible with industry standards



Additional features

Uninterrupted Workflow

The Quantum Metagloves come with swappable batteries, to provide you with an uninterrupted workflow. The Quantum batteries can last 3 hours during continuous use on a full charge. Additionally, the Quantum Metagloves can be powered by an external power source through the USB Type-C port.

Replaceable Textiles

The textiles of the Metagloves are washable and replaceable. The electronics can be removed in a matter of seconds.

Universal Mounting System

Easily mount your preferred mounting system on top of the Metagloves with the MANUS Universal Mounting System

Software Licenses

MANUS Core

Main software hub and dashboard for any MANUS product.

- Recording and exporting to FBX and CSV files.
- Streaming directly to MotionBuilder, Unity and Unreal Engine.
- Shogun Post Data Script

MANUS Core + Optical

Direct integration into a suite of Optical Motion Capture partners.

- MANUS Core
- OptiTrack Motive 3 Integration
- Qualisys QTM Integration
- Nokov XingYing Integration
- Fzmotion Integration

MANUS Core + XR

Direct integration into a suite of XR Simulation and Digital Twin software packages.

- MANUS Core
- ESI IC.IDO Integration
- Siemens TeamCenter Integration
- Open XR Integration

MANUS Core + SDK Access

Access to Python SDK, C++ SDK and Core Integrated (Linux).

- MANUS Core
- C++ SDK
- Core Integrated (Windows & Linux)
- Option for Academic Pricing

Accessories



Accessory Pack

- 1x Charging station
- 2x Quantum Battery
- 5x Pair of Liner Gloves (XS/S/M/L/XL)
- 30x Finger Sleeves (all sizes)
- 20x Finger Tapes
- 1x Set of Hand Straps

Textile Pack

- 5x Pair of Liner Gloves (XS/S/M/L/XL)
- 30x Finger Sleeves (all sizes)
- 20x Finger Tapes
- 1x Set of Hand Straps

Charging Station + Batteries

For more information please visit
manus-meta.com