



# PRIME X Marker Mocap

To make use of the Manus Prime X gloves a valid license of Manus Core is required

## High Fidelity Fingertracking

The Prime X Marker Mocap is the ultimate finger tracking solution for motion capture professionals. Highly accurate and detailed finger data, easy to record, stream, or view in real time and compatible with industry standard optical motion tracking solutions through the use of easily replaceable reflective markers.

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## Features

01

### One-button Recording

The Prime X Marker Mocap gloves offer triggered recording functionality, which ensures Manus Core starts recording exactly when you need it to. When recording full-body mocap data, Manus Core will start recording simultaneously.

02

### Timecode & Genlock

With the included Manus timesync cable the Prime X Marker Mocap gloves seamlessly integrate in any workflow that includes SMPTE Timecode & Genlock. Effortlessly sync your mocap data throughout your entire pipeline.

03

### FBX file export

Import your hand- and fingerdata wherever you need through the FBX file export function. Either full data, or filtered through the Manus keyframe reduction algorithm.

04

### Removable electronics.

The electronics module can be quickly removed from the textile glove, allowing for the glove to be washed or replaced. Additional textile gloves are available, and the electronics module fits both sizes. The Prime X Marker Mocap gloves are available in the sizes S/M and M/L.

05

### Quick and Easy.

Get started in less than a minute. With only three simple gestures the Prime X Marker Mocap gloves calibration is accurately tailored to your hands. The calibration profile is then stored on the glove, allowing them to be used over multiple sessions.



06

### Fully compatible

The Prime X Marker Mocap gloves are compatible with industry standard software. Livestream to Unreal and Unity, or load your data into a suite of compatible animation software. Further integrations can be built using our Manus Core SDK.

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## Plugins

	 unity	 UNREAL ENGINE	 AUTODESK MOTIONBUILDER
Finger Tracking	✓	✓	✓
Hand Motion & Orientation	✓	✓	✓
Interaction framework	✓	✓	✓
Multi-user support	✓	✓	✓
Device diagnostics	✓	✓	✓
Connected devices	✓	✓	✓

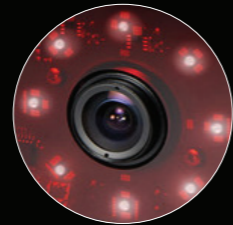
## Compatibility



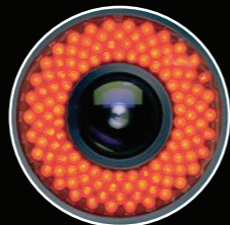
STEAM™ VR



OptiTrack



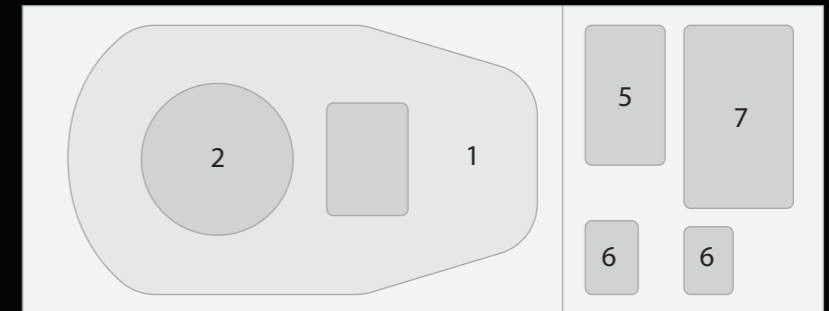
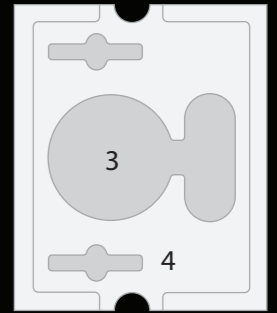
ART



VICON

## What's in the box?

1. One pair of Manus Prime X Gloves
2. USB-C Cable x2
3. Dongle
4. Batteries x2
5. Charger
6. Charger adapters
7. Timesync Cable



## Hardware specs.

Signal latency	<5ms
Sensor sample rate	90Hz
Battery duration	6 hours (swappable)
Charging	USB-C (5V)
Weight	60 grams
Wired Communication	USB-C
Wireless Communication	Proprietary high performance 2.4 GHz protocol (certified)
Finger sensor type	5x 2DoF Flexible Sensors and 6x 9DoF IMU's
Finger flexible sensor repeatability	>1,000,000 cycles
Orientation sensor accuracy	+/- 2.5 degrees
Textile information	High gauge, antibacterial, sports polyester