

MANUS™ PRIME 3 Haptic XR



Powered by  QUANTUM AI

Introduction

The **MANUS Prime 3 Haptic XR** enables true immersion in any XR workflow by allowing intuitive interaction using your hands. Combining high fidelity finger tracking with lightweight integrated haptics make the gloves the perfect solution for VR training and Design Validation.

Use Cases

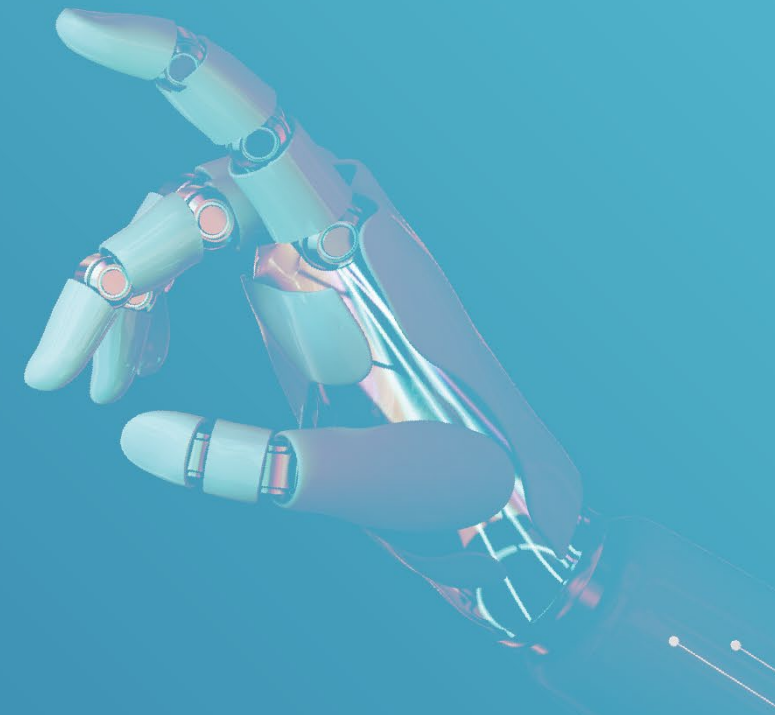
Military, First Responder & Civil VR Training

Prime 3 Haptic XR gloves provide engaging and hands-on experiences. The gloves help trainees improve their skills more effectively by enabling non-verbal communication and providing multisensory feedback.




QUANTUM AI

Empowered by unparalleled, best-in-market finger tracking data, QuantumAI effortlessly propels MANUS Prime 3 Haptic XR gloves to unprecedented heights.



Virtual Prototyping & Design Validation

Prime 3 Haptic XR streamline the design process, providing a realistic sense of objects without physical prototypes. This allows the user to validate the design through human interaction early in the process, eliminating costs and saving time.



MANUS™ PRIME 3 Haptic XR



Features

- **High Fidelity Hand Tracking**
Tracking continues where optical stops.
Not limited by field of view.
- **Native Integrations**
Easy to use and integrate with native integrations through OpenXR, Unity, Unreal, VRED & IC.IDO
- **Ultra Lightweight Integrated Haptics**
Comfortable and unobtrusive. Free to perform your full range of motion without breaking immersion.
- **Quick & Easy**
Ready to go in under a minute. Intuitively interact in VR without needing instructions or button explanations.
- **Perfect Prop Handling**
Never experience occlusion and feel the props you are using with your fingertips.
- **12 Hour Battery Life**
Never run out of battery during your sessions. Extend the battery life to 24+ hours with swappable batteries and a MANUS Charging Station.

Hardware Specs

Signal Latency	≤ 7.5 ms
Sensor Sample Rate	60 Hz
Battery Duration	6 hours
Charging Time	3 hours (USB Type-C)
Weight	138 grams
Wired Communication	USB Type-C
Wireless Communication	Bluetooth Low Energy 5
Supported Operating Systems	Windows 10/11
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
Haptic Feedback	5x Integrated Vibrotactile Haptics
Textile Information	77% Polyester, 23% Spandex

Compatible With



What's in the Box

- Pair of Prime 3 Haptic XR Gloves
- 2 USB-C Cables
- Dongle
- 2 Vive Tracker Adapters
- 4 Batteries
- Quick Start Guide