

# HEXR GLOVE

## USER MANUAL



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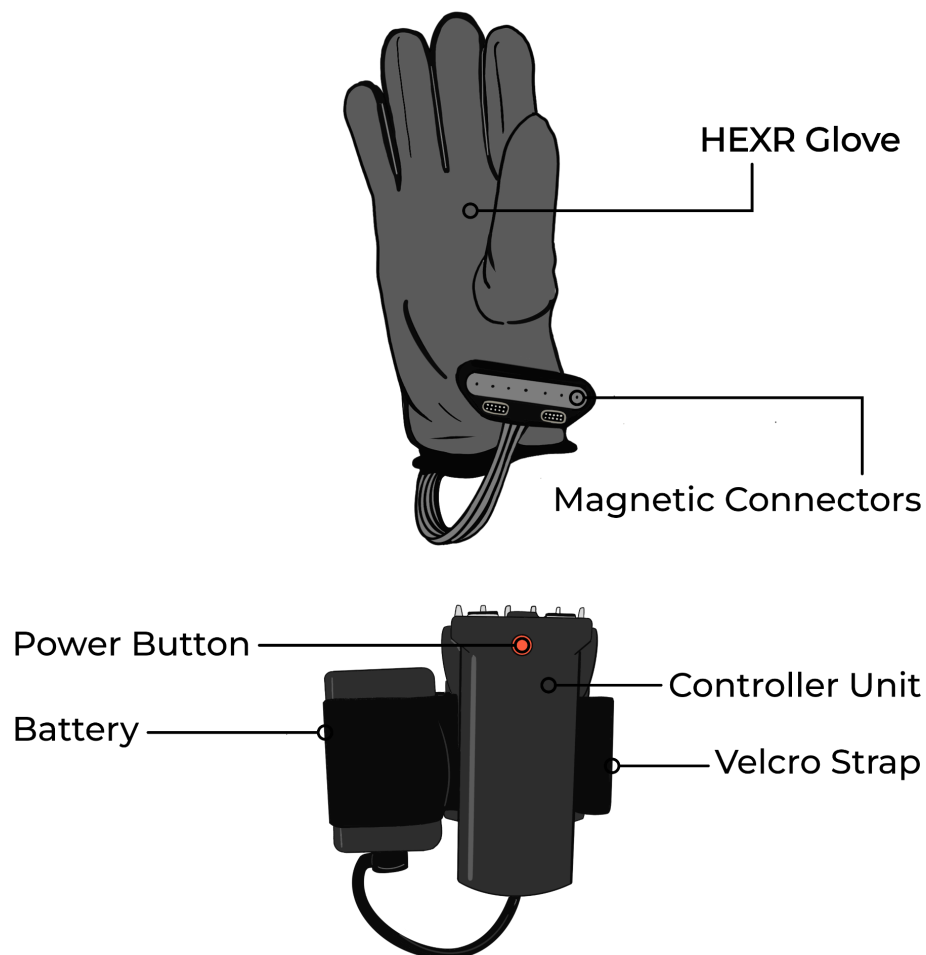
# 1. Introduction

Welcome to the HEXR Glove! This manual will guide you through the setup, usage, and maintenance of your new device, providing you with an immersive experience like never before.

Please read these instructions carefully before use to ensure optimal performance and safety.

## 2. Product Overview

HEXR Glove is a patented pneumatic haptic glove that works for both virtual and augmented reality. Its unique design and cutting-edge technology enable truly immersive experiences by providing realistic hand and finger sensations in your metaverse interactions.



Utilizing sleek pneumatic actuators, HEXR Glove delivers touch sensation and force feedback to the fingers and palm. HEXR Glove offers endless possibilities for immersive reality in healthcare, training, education, and entertainment sectors.

HEXR Glove possesses one of the lightest pneumatic modules\*, offering untethered, portable haptic interactions with digital objects both in virtual and augmented reality. Our device has been optimized to work with Meta Quest, Microsoft Hololens, and HTC Vive.

*\*In comparison with commercial pneumatic gloves of equivalent specifications.*

### 3. Technical Specifications

Weight	58g HEXR Gloves 340g all-inclusive
Glove size	One size
Cutaneous sensation	Up to 6 segments, including fingers and palms (customizable)
Kinesthetic perception	4 fingers with force feedback (optional)
Hand tracking	In-built finger tracking and/or OpenXR hand tracking
Connectivity	BLE 4.0
Battery life	LiPo batteries Charge time of 45 minutes provides up to 3 hours of continuous usage.
Hardware compatibility	All major headsets - Meta Quest, Microsoft Hololens, HTC Vive
Software integration	Unity3D, EON Reality, Unreal (ud), SteamVR (ud)
Latency	< 20 ms

## 4. Safety Information

Your safety is our top priority. Review these important safety precautions to ensure a safe and enjoyable experience while using your HEXR Glove.



**Avoid Water Exposure:** The HEXR Glove is not waterproof or water-resistant. Keep it away from water sources to prevent damage to the electronics.



**Avoid High Temperatures:** Do not expose HEXR Glove to temperatures exceeding 60°C (140°F). High temperatures can cause malfunctions or even permanent damage to the device.



**Handle with Care:** Avoid dropping HEXR Glove or subjecting it to rough handling. Dropping the device may result in internal damage and affect its performance.



**Store Safely:** When not in use, store the HEXR Glove in a cool, dry place away from direct sunlight and moisture. Proper storage helps maintain its functionality and prolong its lifespan.

## 5. Getting Started

### 5.1 What's in the box

Before you start your journey with HEXR Glove, let's unpack and inspect the contents to ensure you have everything you need. Inside the box, you should find:

- 1 set of HEXR Glove
- 1 set of HEXR Controller Unit
- 1 battery
- 1 charger

### 5.2 Charging

To ensure uninterrupted usage, it's essential to fully charge your battery before connecting it to your HEXR Controller Unit for use. Maximum charging power is 5V

1A. Follow these steps to charge it:

1. Connect the battery to the magnetic charger provided.
2. Connect the plug to a power socket.
3. The LED indicator will illuminate in orange, indicating that the battery is charging.
4. Upon reaching full charge, the LED indicator will turn green.



## 6. Setup and Usage

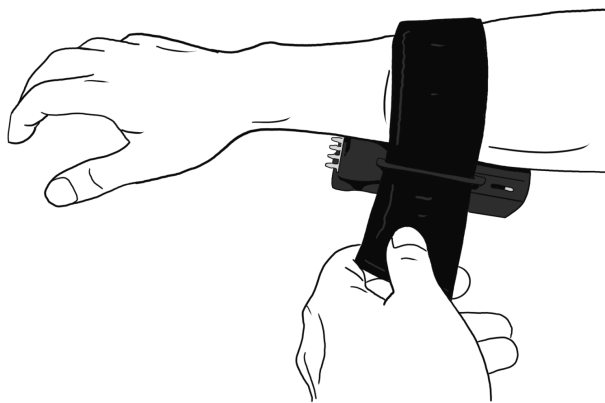
### 6.1 Wearing the HEXR Glove

Before using your HEXR Glove, make sure the battery is charged then follow these steps to get started:

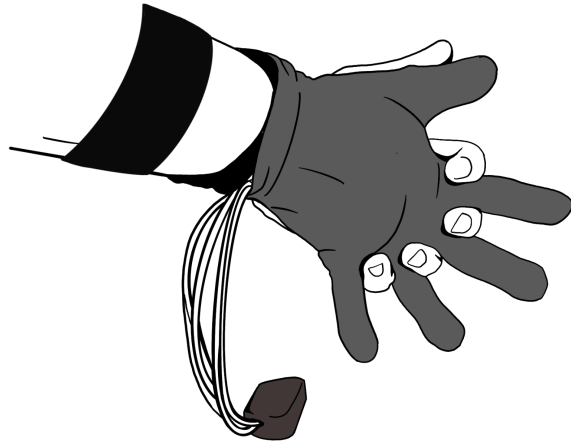
1. Secure the battery onto the Velcro strap.
2. Connect the battery to the HEXR Controller Unit.



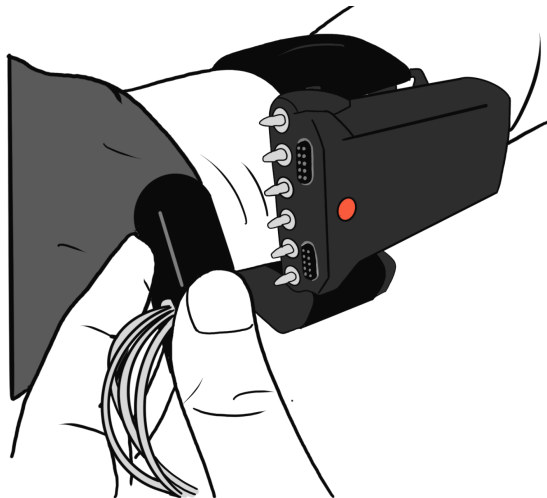
3. Secure the Velcro strap on your arm.



4. Gently insert your hand into the glove, making sure that each finger fits into its corresponding slot snugly. It should feel snug and not too tight. Proper alignment is crucial for accurate feedback and optimal performance.

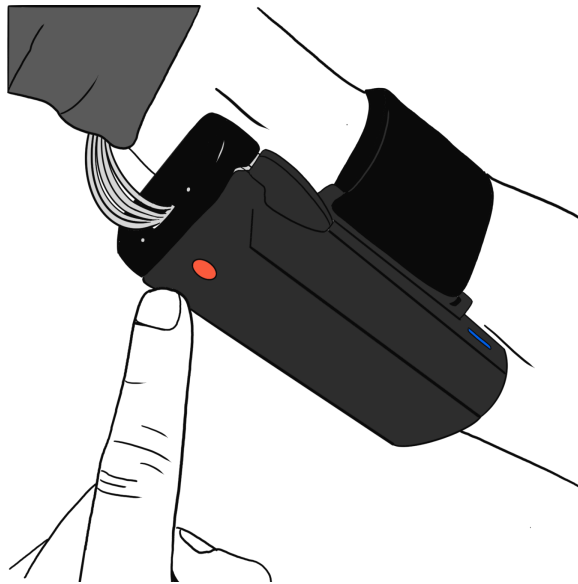


5. Align the ends of the air tubes from the HEXR Glove with the corresponding connectors on the HEXR Controller Unit, and let the magnetic snap securely fasten them in place for a reliable connection.



## 6.2 Powering On/Off

1. Once the HEXR Glove is properly worn, turn it on by pressing the power button located on the top of the HEXR Controller Unit.



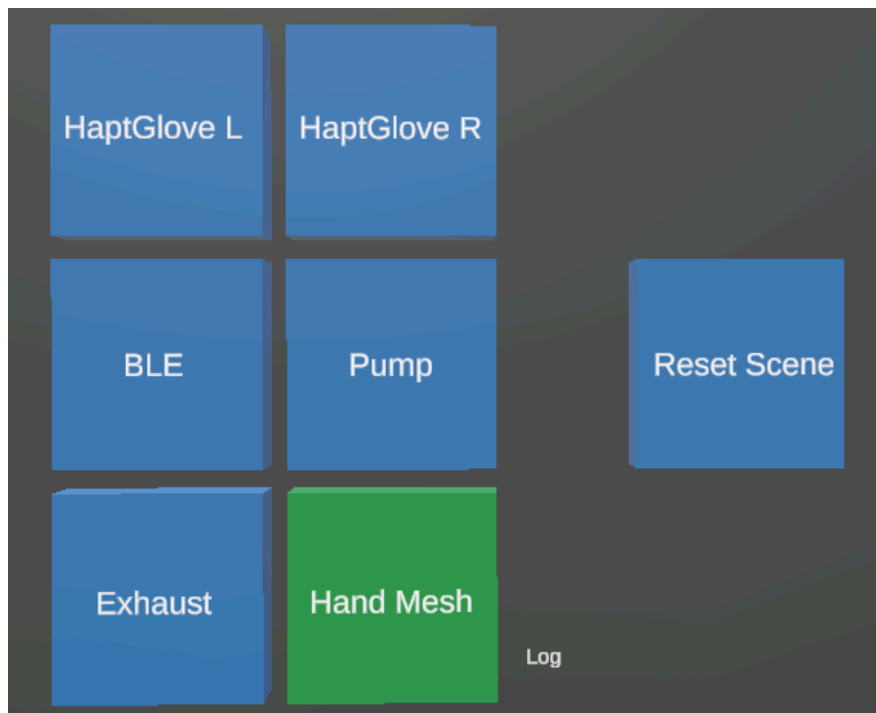
2. The LED indicator will illuminate in blue, indicating that the HEXR Controller Unit is powered on.
3. Now, your HEXR Glove is ready to be paired with other devices.

To turn off the HEXR Glove, press and hold the power button for 1 second.

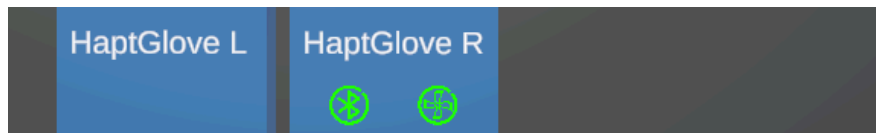
## 6.3 Connecting to compatible devices

To unlock the full potential of the HEXR glove, you'll need to pair it with your preferred device. Here's how:

1. Ensure that the HEXR Glove is powered on. Launch the HEXR associated application within the headset.
2. Within the application, search for available Bluetooth devices.
3. Select "HaptGlove R" or "HaptGlove L" from the list depending on your HEXR Glove and connect it by clicking "BLE".



4. Once paired, a Bluetooth and pump logo will appear, indicating a successful connection.



5. Click "Pump" and there will be a gentle motor sound coming from the HEXR Controller Unit, indicating that it is ready for use.

## 7. Maintenance and Care

Proper care and maintenance are essential for keeping the HEXR Glove in optimal condition. Follow these guidelines to ensure longevity and performance.

### 7.1 Cleaning instructions

- Use a soft, dry cloth to wipe the surface of the HEXR Glove and HEXR Controller Unit.
- Avoid using harsh chemicals or abrasive materials that may damage the glove's components.

### 7.2 Proper storage recommendations

- Avoid storage in extreme temperatures or humid environments.
- Store the HEXR Glove and HEXR Controller Unit in a cool, dry place away from direct sunlight when not in use.

### 7.3 Battery care

- Avoid overcharging the battery to prevent damage.
- If not using the glove for an extended period, charge it to at least 50% before storage.

## 8. Troubleshooting

Encountered a problem? Don't worry – this section provides troubleshooting tips to address common issues you may encounter with your HEXR Glove.

### 8.1 Not powering on

- Ensure the battery is charged.
- Check if the power button is powered on, indicated by a green LED indicator.
- Try resetting the HEXR glove by disconnecting and reconnecting the HEXR Controller Unit.

### 8.2 Connectivity issues

- Check if Bluetooth connections are enabled on your device.
- Restart both the HEXR Glove and the connected device.

## 9. Warranty Information

The warranty period is stated in your invoice. Please read through the warranty terms carefully. To make a claim, please contact our customer support team.

### 9.1 Warranty terms:

No warranties apply for the Products unless stated otherwise in the invoice.

In the event Hardware Products are returned not in good working condition, MTPL may, at its option, charge the Company for the repair of defective Hardware Products at \$300 / pc.

Any defects include and not limited to fabric seams coming apart, electronics short-circuit/cable break/disconnection, mechanical failure of the actuators, electronics module not charging, or any defect caused by modification of the Hardware Product by any person other than us, your breach of the Terms, any damage done as a consequence of failing to follow reasonable use guidelines, or use of the Hardware Product for a purpose not contemplated by the Terms and not authorised by us in writing.

### 9.2 Initiating a refund or exchange:

Send an email to [info@microtube.tech](mailto:info@microtube.tech) with subject "Return Product". Please include your order ID/original receipt, pictures and reason for return/exchange.

Once verified on our end, we will issue you a Return Merchandize Authorization (RMA) number and you can ship the item back to us with the stated RMA number. We will not be responsible for lost or damaged shipments. Kindly note that any additional shipping fees will be borne by you.

Upon receipt of your returned item, we will inspect and update you on the refund.

The above shall be the sole remedy of the Company and the only obligations on the Service Provider.

To the maximum extent permitted by law, our warranties are set out in this Limited warranty clause and all other conditions and warranties, including any as to the merchantable quality or fitness for purposes (including a particular purpose) are excluded.

The Software is provided “as is” without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. The entire risk as to the quality and performance of the Software is with you. MTPL makes no representation concerning the quality of the Software, and does not promise that the Software will be error-free, bug-free, or will operate without interruption.



## 10. Legal Information

It is important to adhere to the terms of use outlined on our website,  
<https://microtube.tech/terms-of-use/>

By using your HEXR Glove, you agree to abide by the terms and conditions outlined therein. These terms govern your rights and responsibilities regarding the usage, ownership, and limitations of the product.

For any inquiries or clarifications regarding the terms of use, do not hesitate to contact our customer support team.

## 11. Contact Information

Website: <https://microtube.tech/>

For further assistance or inquiries, please contact our customer support team at [info@microtube.tech](mailto:info@microtube.tech).

We're here to help you get the most out of your HEXR Glove experience.