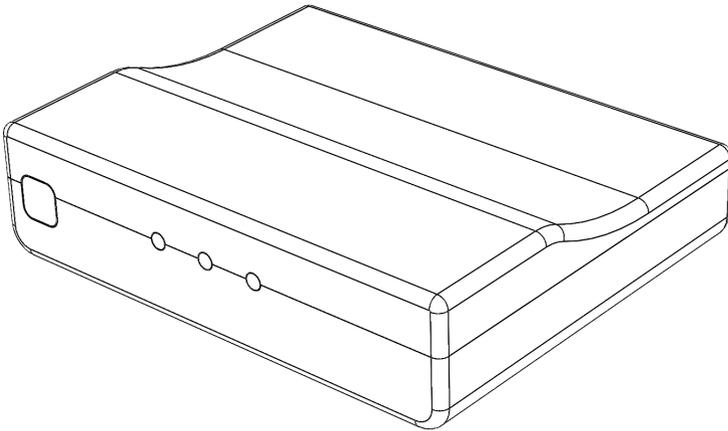




**SENSEGLOVE**

## SenseGlove Wireless Kit Manual



June 2020 (v.1.1h)

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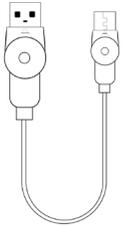
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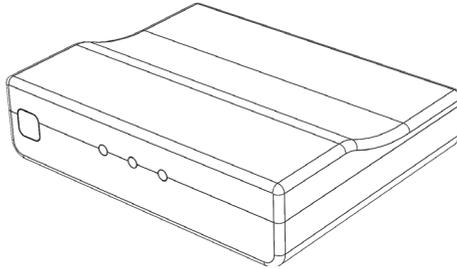
# SENSEGLOVE

## What's in the box

The schematics below shows the items you find inside of the box. The wireless kits can be found in the box inside the main package.



2x 1m (3.2ft)  
USB cable



2x SenseGlove wireless Module

## Setup a Wireless Kit

Step 1: Remove the plastic label that prevents the battery from making connection.

Step 2: Power on the Wireless Kit. Make sure the power LED is on.

Step 3: Connect the Wireless Kit to a Senseglove. Connect one of the micro USB cables into the Senseglove. The other side of the USB cable should be connected to your wireless kit.

Step 4: Before you can starting working with the wireless kit, it should be paired to your computer. See the “Pairing” section.

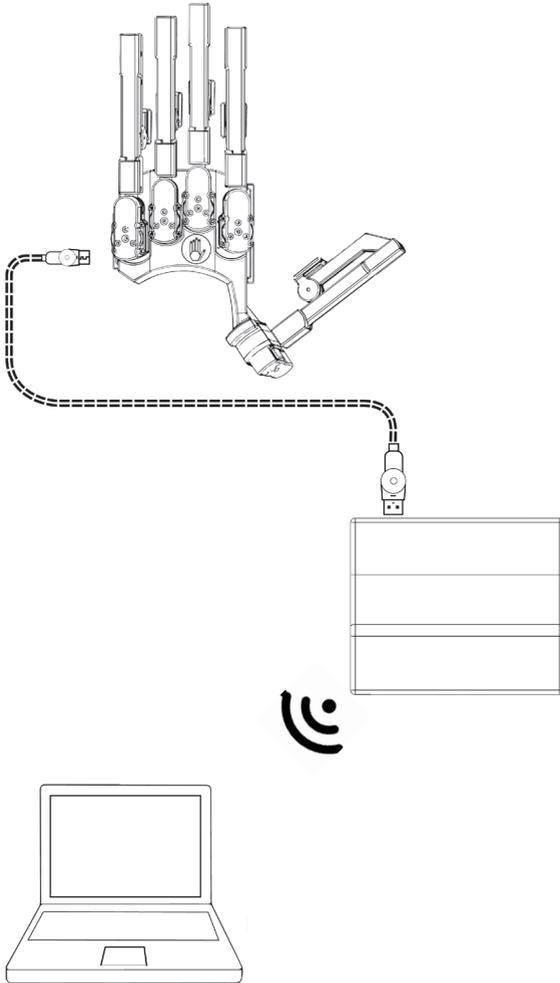
After following these steps, usage and development is similar to a wired setup. Please refer to your Senseglove manual or SenseGlove's Github page.



*Warning: Only use the provided USB cables to connect the SenseGlove. The provided USB cables are rated for the power consumption of the SenseGlove, regular USB cables might not.*



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Overview on of the wireless KIT set-up



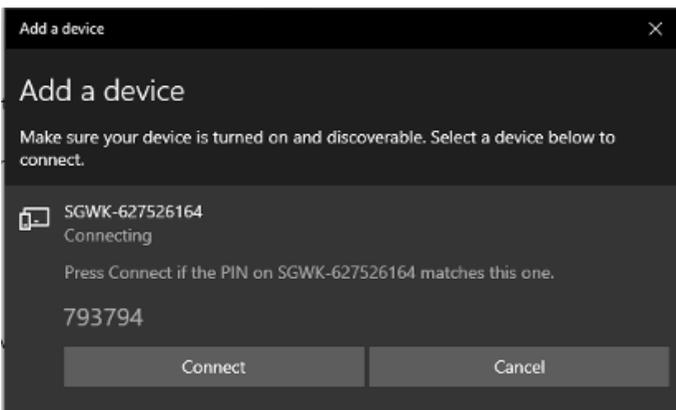
## Pairing

Make sure the device is turned on. This is indicated by its LED lights turning on.

**Windows 10:** Go to Settings > Devices > Bluetooth & other devices > Add Bluetooth or other device > Bluetooth. Select SGWK-XXXX (where XXXX is an uniquely generated ID for your wireless kit) in the list of nearby devices.

After selecting SGWK-XXXX it will prompt if you want to pair the wireless kit. Press “connect”. Your device is now paired and trusted.

You only have to perform this pairing once. On later usage, your PC and wireless kit will stay paired, even if the devices are rebooted.



**Windows 7:** Head to Control Panel > Hardware and Sound > Devices and Printers > Add a device. Choose your SGWK-XXXX. See above for the following sequence of steps.

**Mac:** Click the Apple menu and head to System Preferences > Bluetooth. Select your SGWK-XXXX device in the list and click “Pair”.

Note: in case you use a legacy bluetooth device or dongle, you are prompted for a code. Type '1234' to pair.



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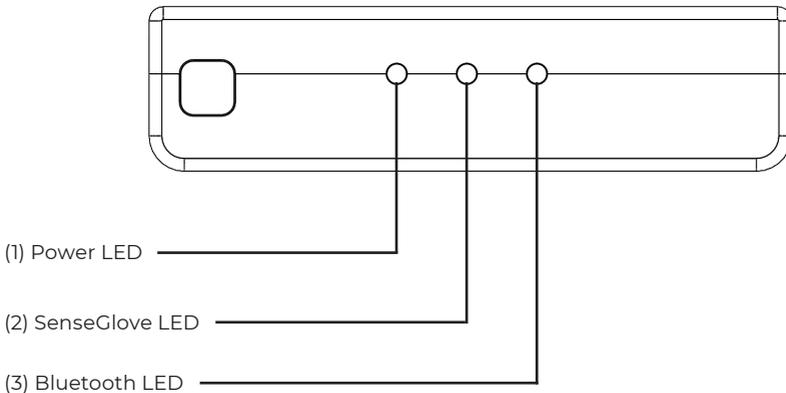
## How to wear the wireless kit



The back of the wireless kit has a clip. Preferably, the wireless kit should be strapped to the front or back pocket of your trousers.



## LED indicators



The power LED turns on as soon the device is powered. The color will indicate the battery level. Green > 40%, Orange 15% - 40%, Red < 15%.

When the LED is green, the SenseGlove will perform normally. If the LED is orange, the SenseGlove might draw too much current for the Wireless Kit to handle, especially if all Force- and Haptic feedback motors are fully activated at the same time. If any irregular operations are noticed, please charge the battery. If the LED is red, please charge the battery as the SenseGlove will not be able to provide force feedback anymore due to low battery.

A blinking “SenseGlove LED” means that the Wireless Kit is not connected to a SenseGlove yet. Once a SenseGlove is plugged in, the blinking stops and the LED will be indicating that a glove has been found.

A blinking bluetooth LED means it is accepting connections from a computer. After pairing blinking the LED will continue blinking. Once the Wireless Kit connects to your simulation, the LED will stop blinking and stay on to indicate an active connection.



**Warning:** Do not connect the Mini-USB port with the USB port using any cable. This will permanently damage your wireless KIT.



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## Considerations

### **Disassembly**

The cell should not be dismantled from the battery pack.

Internal short-circuit caused by disassembly may lead to heat generation and/or venting.

When the electrolyte is coming in contact with the skin or eyes, wash immediately with fresh water and seek medical advice.

### **Short-circuiting**

Short-circuit results in very high current which leads to heat generation.

### **Incineration**

Incinerating and disposing of the cell in fire are strictly prohibited, because it may cause rupture.

### **Submersion**

Soaking the cell in water is strictly prohibited, because it may cause melt of components to damaged to functions.

### **Battery disposal**

Although the cell contains no environmentally hazardous component, such as lead or cadmium. the battery should be disposed according to the local regulations when it is disposed.

The cell should be disposed with a discharged state to avoid heat generation by an inadvertent short-circuit.

**Caution** - The Battery used in this device may present a risk of fire or chemical burn if mistreated. Do not disassemble, heat above 100°C or incinerate. Keep away from children. Do not disassemble and do not dispose of in fire.



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## Wireless Kit Characteristics

Power Consumption	<ul style="list-style-type: none"><li>- 3150 mAh Li-Ion Battery.</li><li>- Minimum run time: 60 minutes.</li><li>- Typical run time: 90 minutes.</li></ul>
Communication	<ul style="list-style-type: none"><li>- Wireless IEEE 802.15.1 communication, 60Hz refresh rate</li></ul>
General	<ul style="list-style-type: none"><li>- Weight: ~200g (10.6 oz) per KIT</li><li>- Size: L 70mm x W 90mm x H 20mm.</li></ul>



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## How to contact us

If you experience problems or if you have questions, please contact us. For questions or concerns, contact:

- [support@senseglove.com](mailto:support@senseglove.com)

## Disclaimer

The SensGlove Developers Wireless KIT is a prototype and not certified. SenseGlove or its related companies cannot be held liable for damages caused by the SenseGlove Wirelles KIT. In using the SenseGlove you accept all risks and liabilities. The user is advised to follow all manuals provided by SenseGlove.