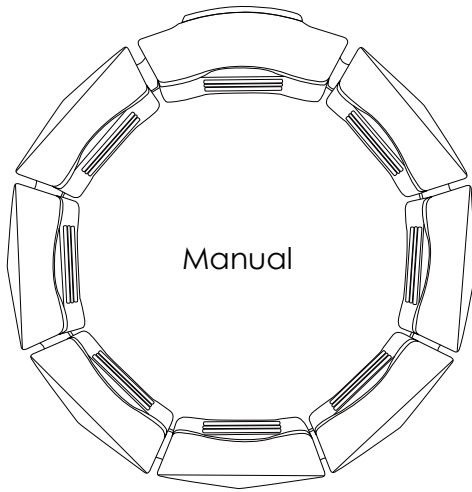




Gesture Armband
gForce 100
Manual V1.1



Manual

Size



1

Hardware

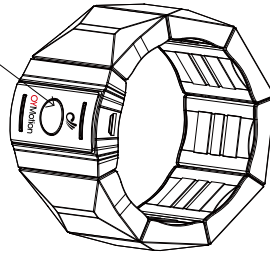
- Sensors: 9-axis motion sensor
8-channel EMG sensor
- Wireless: Bluetooth Low Energy 4.0
- LED: Dual LED for indicating power and BLE connection status
- Vibration: Configurable multi-mode vibrator
- Processor: ARM Cortex M4 with FPU
- Battery: Li-On battery with an up to 10-hour life, rechargeable with micro USB cable.

2

Power on and power off

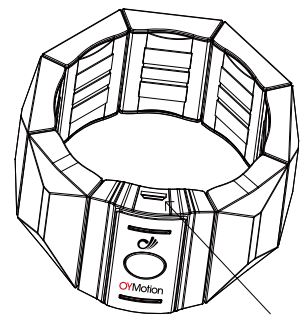
- Power on: When gForce is powered off, press the button on it. The device will vibrate for about 500ms and the green LED will flash in a frequency of 2HZ. Otherwise, the device might be out of power, and you
- Power off: When gForce is powered on, press and hold the button on it for about 5 seconds, and then release the button.

Button



3

Re-charging



USB jack

- Charging: gForce is capable of continuously working for up to 10 hours. When it is out of power, it will power off automatically. You can recharge it with a micro USB cable. During charging, the red LED light is on. It will take about 2 hours to complete. After charging completes, the red LED light is turned off automatically.

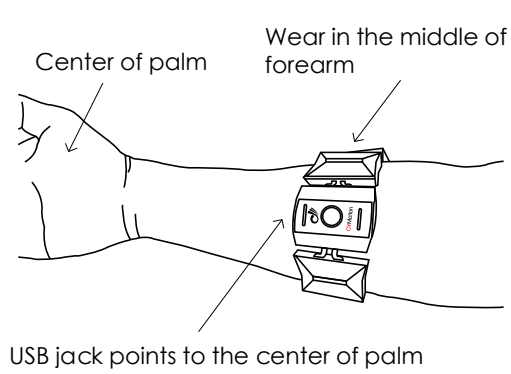
4

Manual

gForce
Gesture Armband



How to Wear



- gForce must be worn tightly on the forearm

1

Gestures

- 8-channel sensor reads EMG signals
- Up to 6 gestures



g1
Fist



g2
Spread



g3
Wave-in



g4
Wave-out



g5
Pinch



g6
Shoot

2

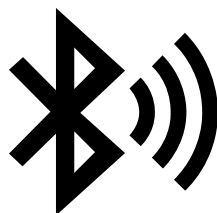
Forearm Orientation

- 9-axis motion sensor of high accuracy
- Quaternion (w, x, y, z)
- North is the origin (1, 0, 0, 0)
- Re-center by pressing the button of gForce

3

Compatibility

- Android: Android 4.0+



4



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