

P I S O N

Vulcan

User Guide



Important Safety Information

1. Please read this manual
2. Please retain this manual
3. Follow all instructions
4. Pay attention to all warnings
5. Do not place the device near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat
6. All servicing must be performed by qualified personnel. Servicing is required when the device does not operate normally or has been physically damaged. Contact Pison Support for servicing information.
7. Ensure that the device is clean and free of debris before storage
8. Make sure that the USB-C port is clean and free of debris before charging
9. Do not charge the device when it is wet

Warnings/Cautions

1. Keep the device away from fire and heat sources. DO NOT place naked flame sources on or near the device.
2. DO NOT make unauthorized alterations to the device.
3. Charge the device only with an agency-approved power supply that meets local regulatory requirements.
4. The battery provided with the device may present a risk of fire or chemical burn if mishandled.
5. Do not expose products containing batteries to excessive heat (e.g. from storage in direct sunlight, fire or the like).



This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality or disposal service

Please dispose of used batteries properly, following local regulations.

DO NOT incinerate.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the product.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by Pison Technology Inc. could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

This device complies with FCC radiation exposure limits set forth for general population.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference.*
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.*

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. L'appareil ne doit pas produire de brouillage;*
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.*

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Welcome to Vulcan

With the Vulcan Control Band, you can use hand gestures to perform vital commands and control applications on your mobile device without needing to view or interact with the touch screen.

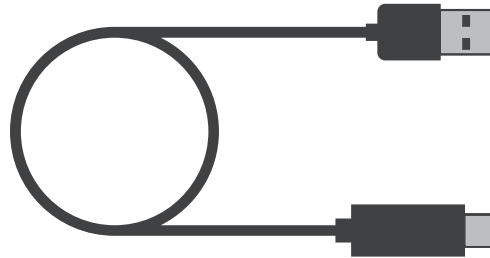


What's Included

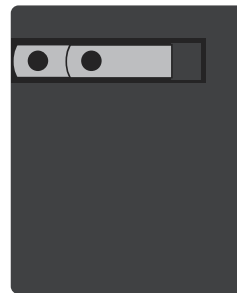
Vulcan Control Band



USB-A to USB-C Cable



Power Adapter



Vulcan Hardware Overview



Your Vulcan Control Band



Control Button

The Vulcan Control Band has a single multi-function control button to aid in powering the Control Band on and off, locking and unlocking the Control Band and pairing with Bluetooth.



Control Button Functions



Turn Control Band ON/OFF

Press and hold for two seconds



LOCK/UNLOCK Control Band*

Single Press

**Lock the Control Band to suspend gesture sensing.*

Unlock the Control Band to resume gesture sensing.

LED Indicator

The Vulcan Control Band has a single LED indicator to display power status and device states.



LED Indicator Functions



Control Band ON/Unlocked



Control Band is Locked



Bluetooth Pairing Mode



Bluetooth Connected



Battery Low



Charging



Charging Complete

Sensor Array

The Control Band has an ENG sensor array on the underside (skin facing side) of the device.

These sensors allow the Control Band to detect your ENG signals and read your gesture inputs.

Ensure that the Control Band is worn snugly against the skin and slightly behind the Ulna (wrist bone). This is to ensure the clearest ENG signals are detected.

NOTE: Sweat and water do not have a negative impact on ENG signal, in fact they help detect it. Debris between the sensors and the skin such as mud and dirt can have a negative impact. Ensure that there is always constant contact between the sensors and the skin.



Haptic Feedback

The Vulcan Control Band is equipped with a haptic feedback generator.

In conjunction with the LED indicator, the haptic feedback is used to alert the user to device functions and status.



Haptic Functions



Control Band ON



Gesture Activation



Control Band is Unlocked



Battery Low



Control Band is Locked



Charging Activated



Bluetooth Connected



Control Band Powering Off



Bluetooth Connection Lost

Charging your Control Band

A wall adapter and USB-A to USB-C cable is provided with your Vulcan Control Band.

To charge your Vulcan Control Band...

1. Plug the USB end of the cable into the Power adapter.
2. Plug the USB-C end of the cable into the USB-C port of the Vulcan Control Band.
3. Plug wall adapter into a power outlet.



You will feel the Vulcan Control Band vibrate and the LED indicator will pulse white, indicating that charging has begun.

Charging is complete when the LED indicator illuminates green.

Wearing/Donning your Control Band

Donning the Control Band is like donning a wristwatch:

1. Loosen the Control Band strap
2. Insert RIGHT HAND through the loose strap loop
3. The side of the Control Band with the Pison logo should be closest to your hand
4. Set the Control Band slightly behind the Ulna (wrist bone) of the right hand
5. Tighten strap until the Control Band is snug against the skin and does not move freely

