

AKUANA

Opah Heated Vest

User Manual

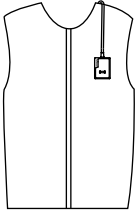
THANKS FOR CHOOSING US

Thank you for choosing AKUANA Opah Heated Vest, a product developed and tested by AKUANA for over two years. The special designed battery can reach a depth limit of 50m which will meet most requirement of water sports. The touch-less operating solution makes the Opah heated vest can be controlled remotely under the gear you already have such as wetsuit or drysuit (with specific battery) without modification. A maximum 30W of power can significant improve the user experience and extend the limit of recreational activities.

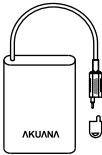
SPECIFICATION

- Made of 85% neoprene
 - 5% nylon
 - 5% spandex
 - 5% of polyurethane.
- Far infrared radiation (FIR) heating source.
- Maximum 30w of heating power.
- Three levels of heating power selction.
- Thermal protection temperature is 42°C/108°F.
- Run time: OPB01 --- 1 hrs heating.
 - OPB02 --- 2 hrs heating.
- None-contact temperature controller.
- Depth rating: 50m/164ft

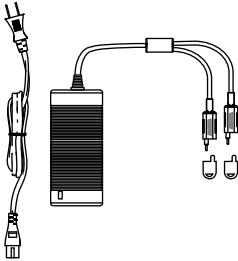
WHAT'S IN THE BOX



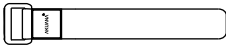
Suit x 1
Model No. OPS01



Battery x 2
Model No. OPB01



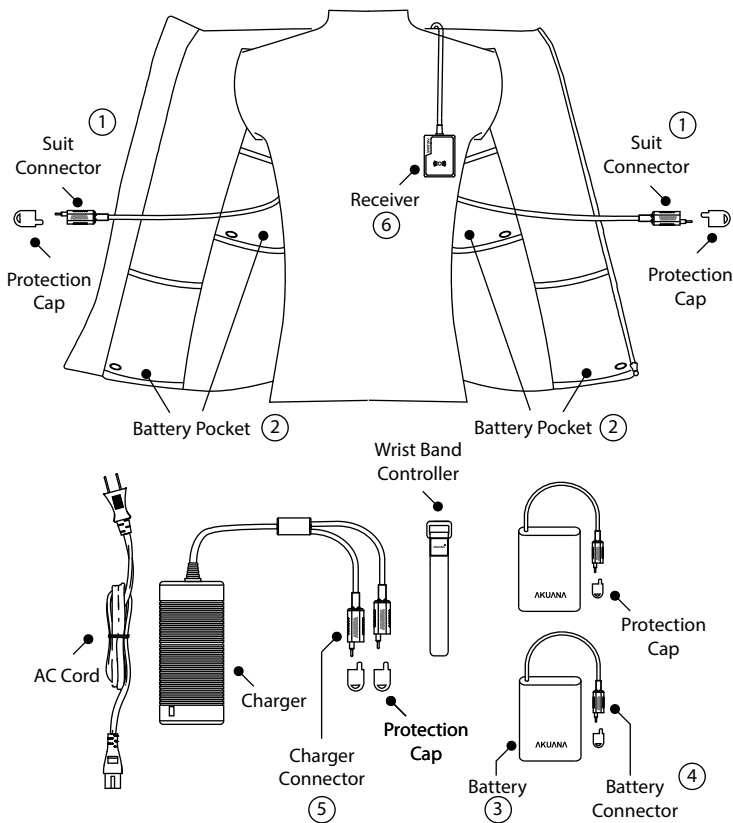
Charger x 1
Model No. OPC01



Wrist Band x 1
Model No. OPW01

INTRODUCTION

The Opah Heated Vest need to be worn underneath a wetsuit or drysuit (with specific battery) in order to function properly.



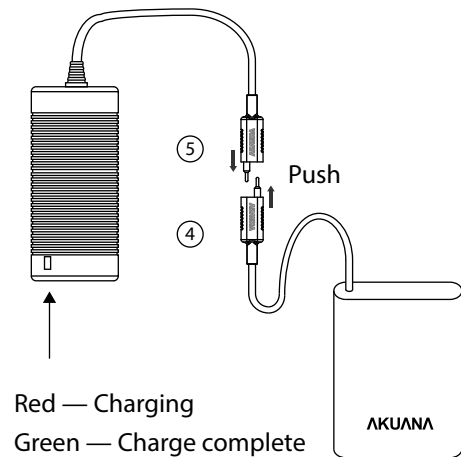
OPERATION INSTRUCTIONS(1):

Charge the battery

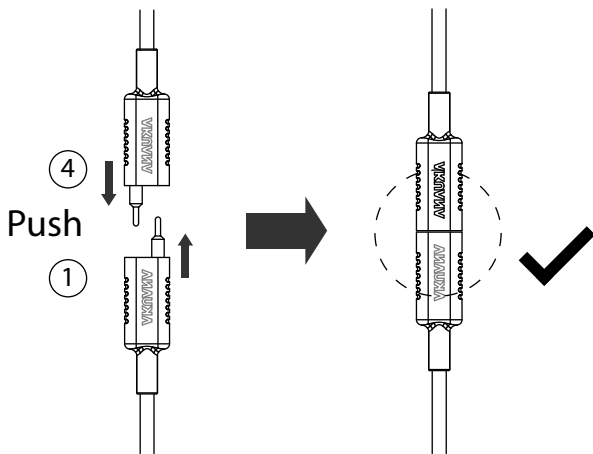
- Charge the battery before use.
- Plug in the connectors as shown in drawing (1).
- Plug your charger into an electric outlet with the electricity range of 100V-240V, 50/60Hz, AC current.
- The charger indicator will display red when charging and will display green when complete.
- The charging time for standard battery [2500mAh] will take approximately 2 hours and for the high capacity battery [5000mAh] approximately 4 hours.

Wear the suit

- The OpaH heated vest need to be worn under an isolation layer such as wetsuit or drysuit to ensure function properly.
- Plug connector ① and ④ together tightly as shown in drawing (2).
- Place the battery ③ in the battery pocket ② before wearing up.
- Stretch the cables well and store them in the pocket neatly.
- Wear the suit up and make sure the receiver ⑥ is naturally hung before your chest and easily reachable.
- Seal up the zipper gently.
- Wrap the wrist band controller up securely on your wrist. The wrist band controller is the only device to turn on/off the suit. Please store it securely after each use.



Drawing (1)



Drawing (2)

OPERATION INSTRUCTIONS(2):

Turn on/off the heating function

- Once the battery is connected, the receiver will vibrate for **1 seconds**. The LED indicator in the receiver will light up. Please check table (1) for detailed information.
- Place the wrist band controller over the receiver as shown in drawing (3) for 1.5 seconds to turn on the heating function. After turning the device on, the heating function will automatically start with **LOW** heat function.
- To switch between **LOW, MEDIUM, and HIGH** heat function. Simply place the wrist band controller over the receiver for 0.3s. The vibration and LED indication will respond if the switching succeeds. Please check table (1) for detailed information.
- To turn off the device, place the wrist band controller over the receiver for 1.5s. If the turn off action is complete, the receiver will vibrate for **1.3 seconds**, and the white LED indicator will start to flash.
- The receiver has a touch-success response. It is a very short break. As long as you can feel the short vibration, it means the wrist band controller and receiver are in sensible range.

Heat Levels

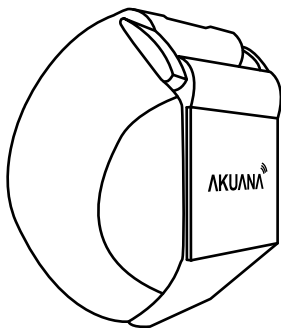
Low: 18W of heating power

Medium: 24W of heating power

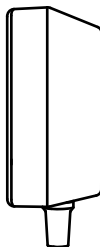
High: 30W of heating power

The user can select each heating level according to the surrounding environment and his/her own favor.

Wrist Band Controller



Receiver



Drawing (3)

	Vibration indication	LED indication
Battery connected	————	White flashing
Low Heat	— —	Green
Medium Heat	— — —	Blue
High Heat	— — — —	Red
Standby	————	White flashing Battery Low: Red flashing

Table (1)

WARNINGS AND IMPORTANT INSTRUCTIONS:

Thank you for choosing your **AKUANA** Heating Vest. To ensure the best performance from your suit, please read and save the following instructions.

- Use only in wetsuit while diving.
- Always keep batteries out of the reach of children.
- Batteries are rechargeable. Always charge them only with the charger provided.
- The battery can only be charged by the range of 100V-240V, 50/60Hz, AC current.
- If you are not using the suit with battery operated, please remove the battery to avoid draining the battery.
- This product is hand wash **ONLY**. Before washing the product, please remove the batteries.
- Protect the plug with supplied cover before washing.
- Do not disassemble or modify the product and the cable.
- Do not combine with other heating sources if they are not compatible with the product.
- The cables need to be well stretched under your suit.
- Before each dive inspect thoroughly all electrical cords and connections. If you notice any mechanical break or cut, do not use the product for diving, as this might cause serious injury. Once you notice any damage to the cables, contact service for repair or replacement of the broken parts.

IMPORTANT SAFETY INSTRUCTIONS:

Suit is supplied with the following products and only these products should be used with the suit.

Lithium Battery Models: OPB01/OPB02

Main Charger Model XSG1263000

EMC

Suits are not suitable for people with Pacemakers. EMI may affect pacing devices so we strongly recommend that you do not use if you have one of these devices.

Thermal protection

Although the product is designed with thermal protection, the user is also responsible for own thermal protection. Isolation depends on the right wetsuit and thermal under-wear selection. Lack of right thermal protection might cause thermoregulatory disorders. The user must be aware of the risks of hyperthermia and hypothermia.

Thermal isolation and depth

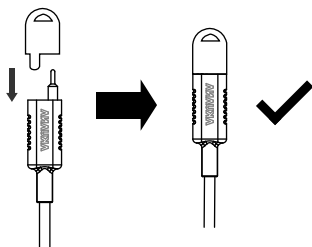
Thermal isolation is reduced due to hydrostatic pressure, which is increasing with depth. The user must be aware that thermal capacity of the product might be reduced.

Allergic reaction

Every synthetic material might cause allergic reactions. Before using the product, please be aware of the potential risk of experiencing allergy towards the materials used in the construction of the product.

WASH AND MAINTENANCE

- Hand wash **ONLY**.
- Hang dry **ONLY**.
- Before washing, **REMOVE THE BATTERY** inside the suit and cover the connectors with waterproof cover provided as shown in drawing (4).



Drawing (4)

ONLINE VIDEO USER GUIDE

