

Please read this guide before using the product.

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1. Safety Information

Improper usage may result in electronics failure, battery failure, overheating and even fire or explosion. To avoid harm to your personal safety and property, please keep and use this product strictly in accordance with the following requirements:

- This product is not a toy. Please keep it away from children. It is prohibited to let children use or play with it, to avoid accidents.
- This product is not a medical product. Personnel with past or current medical conditions, are strongly advised to seek professional medical advice, prior to use of the product.
- This product is not suited for personnel sensitive to the cold or are not comfortable with the use of air-conditioning/ cooling devices.
- This product is to be worn over clothing and not in direct skin contact.
- Manufacturer is not liable for performance issues, damages, injuries, or incompatibilities caused by the use of device and external accessories, such as but not limited to charging equipment.
- Design and specifications are subject to change without prior notice.

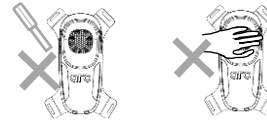
2.1. Guidelines - Usage

- Note that if the product's malfunction is diagnosed to have arisen from improper use of the product, warranty may be voided, and the product may be irreparable. Repair, when feasible, will not be covered by warranty and is carried out at cost.
- Do not use the device in environments where the temperature is below 10°C or above 45°C.
- Do not use the device in environments where there are sensitive equipment, such as medical and safety critical equipment.
- Do not use the product in environments that contains hazardous materials, including but not limited to: Flammable gases, mist, vapours, dust, high heat sources and sparks.
- Do not apply excessive pressure to the product while using it.
- Apply light pressure when adjusting the device's straps and stop immediately when a higher resistance to motion is felt.
- Do not bend the product excessively as the product may be damaged or deformed. Warranty may be voided if misuse is diagnosed to be the cause of the damage.
- Observe the user's body condition at regular intervals during use. If the product becomes uncomfortable during usage or there are abnormalities observed, stop using it immediately.
- If the cooling surface of the product gets warm or hot, stop using it immediately.
- Although the product is designed to withstand momentary splashes of water/ liquids, ingress of excessive dust and moisture into the product may occur. Avoid prolonged use in adverse conditions.
- If there are abnormalities during operation of the device, switch off the product immediately.
- Do not stack the device underneath other devices or heavy objects.
- Do not drop, strike or subject the product to large impacts. If such a situation occurs, it may cause the product to malfunction.



2.1. Guidelines - Usage

- Do not expose the product to dirty water or other liquids, such as salt water, swimming pool water, soap solutions, oil, perfume, sunscreen or chemical products such as cosmetics.
- Do not immerse in water or any liquid medium as this may result in short circuit and cause damage to the batteries or electrical circuit.
- Do not attempt to cover the exhaust during operation as doing so may cause system temperatures to rise and damage the components.
- Do not touch the electrical contact points of the product, to mitigate risks of electric shock.
- Do not use the product when sleeping.
- Do not insert any object(s) or finger(s) through the openings of the product to avoid contact with moving components/ electrical hardware and injuries.
- Do not hook foreign objects on the air inlet/outlet meshes. This may damage the product.
- Do not attempt to remove any dust or foreign materials with a sharp object.
- Hair or loose accessories must be kept away from inlet and outlet vents of the Main Module and Fan Module, to mitigate the risk of being caught in the vents.



2.2. Guidelines - Maintenance

- Disassembly of the product must not be performed by untrained personnel. This action will void the product warranty. Incorrect disassembly techniques may result in hazards including, but not limited to electric shock or fire.
- Do not use or store the product for extended periods under hot conditions.
- Do not expose the product to direct sunlight for extended periods.
- When necessary, dry cleaning and/or light sanitisation of the product is recommended.
- Wipe off any dirt gently with a soft cloth. If care is not exercised, this may result in wear of the product, such as surface scratches.
- Disassembly of the Li-ion or the Li-Po battery packs is strictly prohibited to avoid potential battery damage or other risks.

2.3. Guidelines – Storage and Product Disposal

- Storage temperature of the product must be kept within temperatures 10 to 45°C. It is recommended to store the device at 25 degrees Celsius.



Correct Disposal of the Product (Waste Electrical & Electronic Equipment)

To avoid harm to the environment or human health from improper waste disposal, segregate the product from other types of wastes and recycle it responsibly, to promote the sustainable reuse of material resources.

Users are to contact the supplier and check the terms and conditions. This product should not be mixed with other commercial waste for disposal.



3. Product Introduction

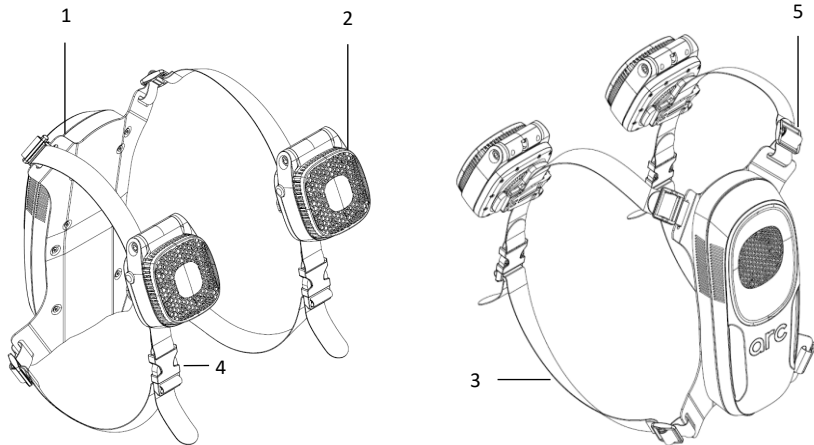
ARC Cooler

The ARC Cooler provides bi-modal cooling through the Main Module and Fan Module(s).

The metallic back plate of the Main Module provides cooling relief to the user's upper back. For enhanced cooling via evaporation of sweat, the user has the option to attach the Fan Module(s) on the shoulder straps.

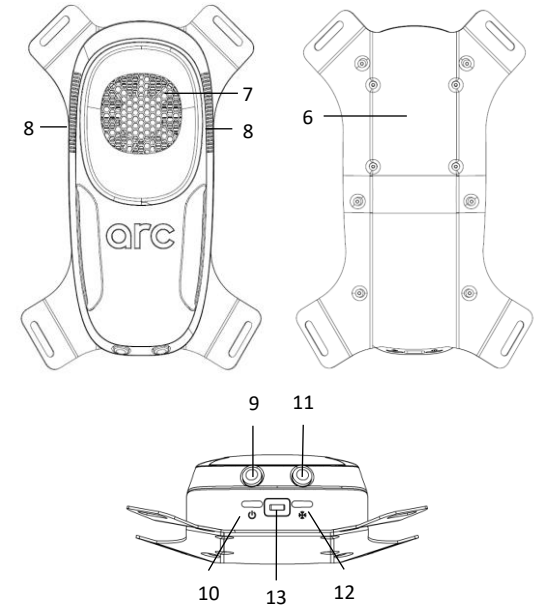
The components will be referred to by the following designations:

S/N	Component
1	Main Module
2	Fan Module(s)
3	Strap(s)
4	Strap Buckle(s)
5	Strap Keeper(s)



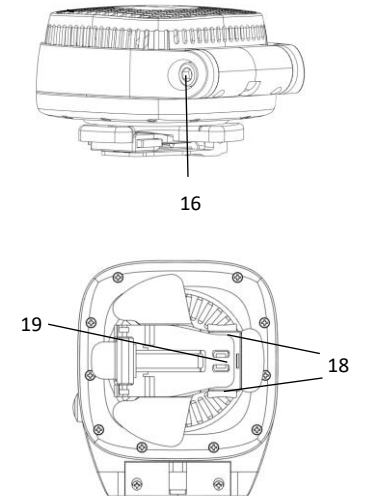
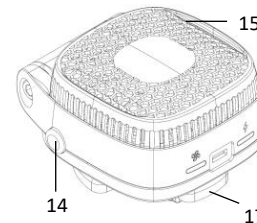
Main Module

S/N	Component
6	Back Plate
7	Inlet Vent
8	Outlet Vent(s)
9	Main Module On-Off Switch
10	Battery LED Indicator
11	Cooling Level Switch
12	Cooling Level LED Indicator
13	Charging Port



Fan Module

S/N	Component
14	Fan Module On-Off Switch
15	Fan Cover
16	Hinge
17	Strap Clip
18	Strap Clip Button(s)
19	Strap Clip Latch



4. Charging Instructions

If the following precautions below is not adhered to, the product may not charge properly, overheat, or be damaged. Only use chargers that is rated within the recommended charging specifications of the device. If other chargers are used, the battery may not charge optimally and can cause serious injuries or damage to the product.

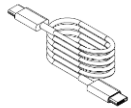
Recommended Charging Accessories Specification

USB Adaptor and USB Cable

- **Quick Charge 3.0 compatible**
- **Minimum power rating of 30W**
- **Certified by governing authority**
- **CE Mark**

- The rate of charging may vary depending on the device's condition and environmental conditions.
- Eliminate any potential sources of sparks or flames, prior to charging.
- Do not expose the charging equipment and device to fire, excessive heat, or wet environments.
- Do not overload the power supply for safe charging.
- Store the charging equipment and device at room temperature and away from direct sunlight.
- Do not stack other products on the device when charging to ensure better heat dissipation.
- Remove the product and switch off immediately if the product's cooling plate becomes warm.
- Do not use a cable with a damaged sleeve, and do not use any charging equipment that is damaged or malfunctioning.
- Connecting the charger improperly may cause serious damage to the device. Any damage caused by misuse is not covered by warranty.
- To ensure efficient charging, do not move or use the device during the charging operation.

USB-C Cable

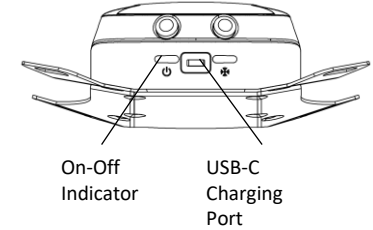


4. Charging Instructions

Charging instructions for the Main Module and Fan Module are as shown below.

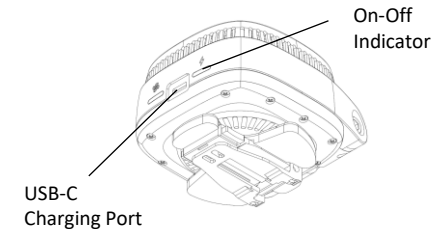
4.1. Main Module

1. Locate the USB-C Charging Port as shown below.
2. Plug in the USB-C Cable into the device.
3. Switch on the power source.
4. The LED On-Off Indicator will blink when the device is being charged.
5. Switch off the power source when the LED On-Off Indicator stops blinking.



4.2. Fan Module

1. Locate the USB-C Charging Port as shown below.
2. Plug in the USB-C Cable into the device.
3. Switch on the power source.
4. The LED On-Off Indicator will blink when the device is being charged.
5. Switch off the power source when the LED On-Off Indicator stops blinking.



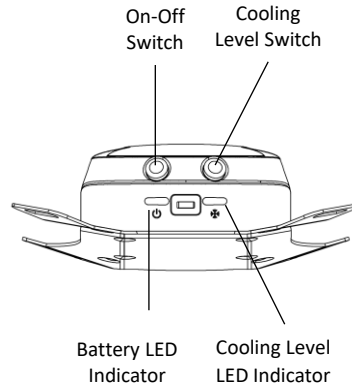
5. Operating the Main Module

The user can switch on the device by depressing the on-off switch.

The cooling settings are subsequently adjusted by the adjacent cooling level switch.

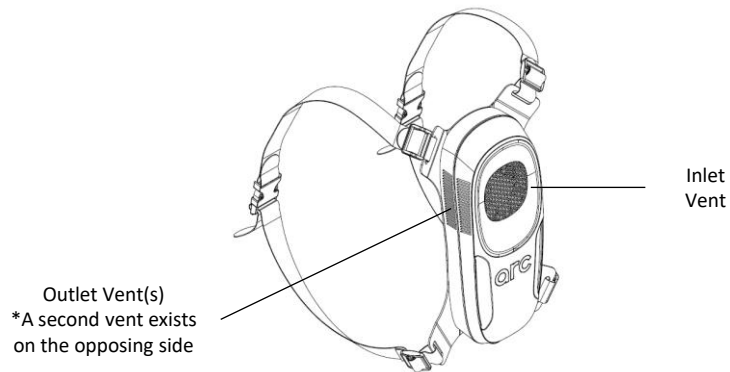
The LED indicators located below the switches denote the on-off status and the cooling level of the device.

Cooling Module	
On-off Switch	
1 st Press	Turn on the device
Double Press	Turn off the device
Cooling Level Switch	
Cooling Level Switch	Setting
1 st Press	Low
2 nd Press	Medium
3 rd Press	High



⚠WARNING

To optimize ARC Cooler's performance, ensure that the vents are not obstructed by any foreign objects.

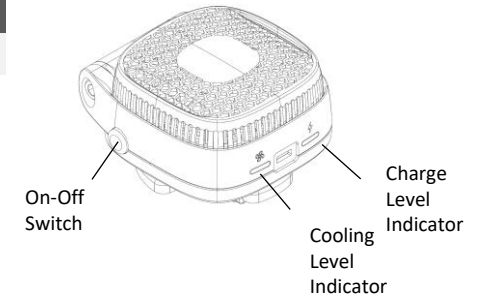


6. Operating the Fan Module

The user can toggle between the settings by depressing the switch button. The LED indicators located below the switches denote the cooling level and charge levels.

Fan Module On-Off Switch Operation

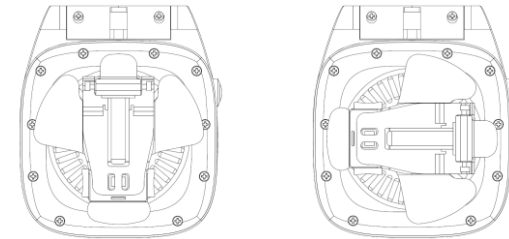
Action	Device Status
1 st Press	Turn on the device - Low
2 nd Press	Medium
3 rd Press	High
4 th Press	Turn off the device



The Fan Module can be rotated about the following 2 joints to achieve a personalized cooling orientation.

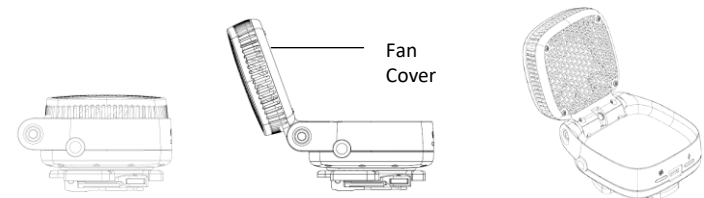
1. Strap Clip

1. Hold the Strap Clip in a stationary position by gripping the sides of the Strap Clip.
2. Guide and revolve the body of the Fan Module gently around the Strap Clip.
3. The Fan Module should click into position at regular rotation intervals.
4. If excessive resistance is felt, do not continue to revolve the Fan Module and seek assistance.



2. Hinge

1. Lift the Fan Cover gently and guide it to revolve about the axis of the Hinge.
2. If excessive resistance is felt, do not continue to revolve the Fan Module and seek assistance.



7. Main Module Strap Adjustment

The TPU Straps of the Cooling Module can be adjusted to accommodate different user profiles, through an adjustment mechanism.

Tightening

By lifting the Strap Buckle and pulling the open end of the strap downwards simultaneously, the Module will be tightened to the user.

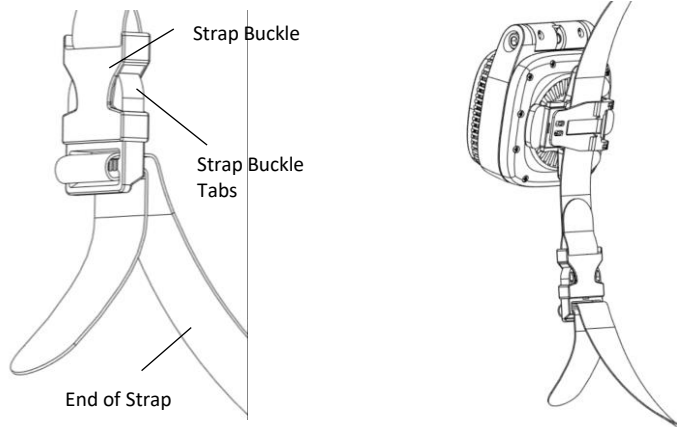
Extension

The Module can be loosened by lifting the Strap Buckle and pulling the closed end of the strap downwards simultaneously. This feature also allows easy doffing of the device.

Emergency Quick Release Tabs

The device can be ejected off the user by pressing the tabs of the Strap Buckle on both sides.

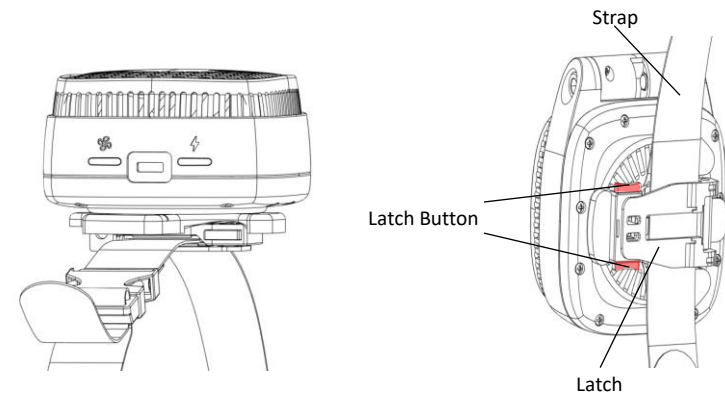
Note that this should only be performed in an emergency. By performing this action, the device may be damaged from the drop impact.



8. Fan Module Attachment

For an enhanced cooling sensation, the user can attach the Fan Module onto the strap of the Main Module via the Strap Clip.

1. Release Strap Clip's latch by depressing the 2 opposing buttons and rotating the Strap Clip about the Fan Module.
2. Insert the upper 25 mm Strap through the slot of the Strap Clip, ensuring it sits flush and securely within the crevice.
3. Depress the 2 opposing buttons of the Strap Clip and rotate the Strap Clip about the Fan Module, until the latch is fully inserted into the Strap Clip.
4. Release the two opposing buttons with the latch fully inserted and secure.
5. Ensure that the Fan Module is secured onto the Strap prior to donning the device.



9.1. Product Specifications - Main Module

Battery	Rechargeable Li-ion cells	
Battery Rated Capacity	10400	mAh
Battery Rated Voltage	3.7	V
Recommended Operating Temperature	10 - 45	°C
Product Weight	900	grams
Product Dimensions (Maximum)	274 (L) x 180 (B) x 66 (H)	mm
Casing Material	ABS, Aluminium, Silicone, TPU	
Charger Rated Current	1.5	A
Charger Rated Voltage	12	V

Note: Specifications are subjected to changes.

9.2. Product Specifications – Fan Module

Battery	Rechargeable Li-Polymer cells	
Battery Rated Capacity	3000	mAh
Battery Rated Voltage	3.7	V
Recommended Operating Temperature	10 to 45	°C
Product Weight	265	grams
Product Dimensions	98 (L) x 85 (B) x 61 (H)	mm
Casing Material	ABS	
Charger Rated Current	1	A
Charger Rated Voltage	5	V

END

Manufactured by:
ST Engineering Advanced Material Engineering Pte Ltd, 249 Jalan Boon Lay Singapore 619523

Note: Specifications are subjected to changes.