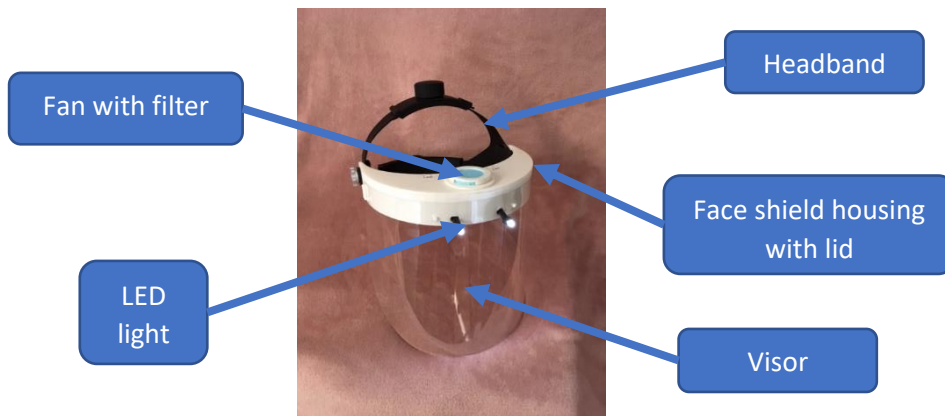


OrangeDot Face Shield Version 1B Operations Manual 9.08.2020



Thank you for agreeing to assess this face shield and provide feedback to enable product improvement. Every effort has been to ensure that this device is safe to use including rigorous testing. The electrical circuit has been checked by a professional electronics engineer.

By taking part in this evaluation, you agree to indemnify the provider of this device against litigation which may result in injury to persons or property.

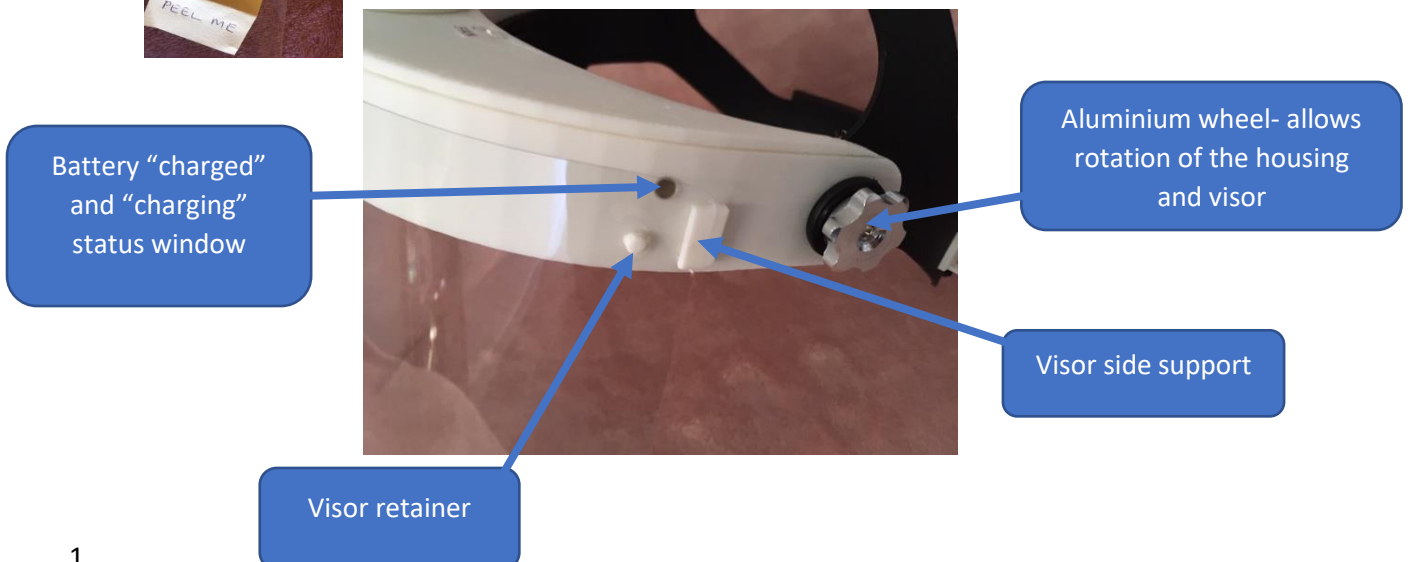
This device is not registered with the Australian Therapeutics Goods Administration since it is for general use and no claim for therapeutic use has been made. TGA approval may be sought before any commercial launch of this device.

The following items should be in the box: face shield housing and lid with headband, two visors, five extra filters, sticky pad material, a power bank and a micro USB cable. The headband and lid are already attached to the housing. The filter should be in position on the housing lid.

- The device is powered by lithium ion batteries and there is a very small risk of overheating them during recharging. Please do not leave your device unattended during charging from the mains.



- Please carefully attach the visor to the housing, ensuring that the LEDs are threaded through their holes first. The edge of the visor should be tucked into the side visor support. Remember to remove the protective film from the visor **if it is present** or vision will be blurred.



- Please do not lie the face shield on the visor- this will cause creases in the visor and the shield may fall under its own weight.



Please DO NOT rest face shield on visor

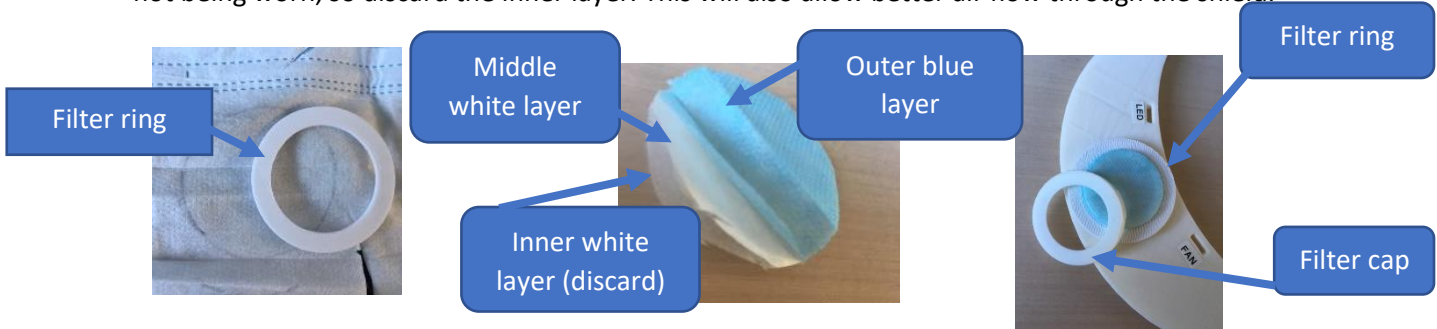
- Adjust the vertical and horizontal headband black control wheels so that the shield fits comfortably on your head. Some extra sticky pad material is provided for you to cut and place where needed.
- The Aluminium wheel on the side of the faced shield allows for vertical movement of the housing for direct vision.
- The control switches for the fan and LED lights are marked.
- Please do not shine the LEDs directly into your eyes.
- Note that the LED lights are tightly held within the housing. They may be gently pulled forward and bent to allow for focusing of the light beams. Please do **not** rotate the LEDs and do **not** pull them out further than the red mark. **Stop before the red mark.** The LEDs can be retracted back into the housing if they are not needed.

Red mark



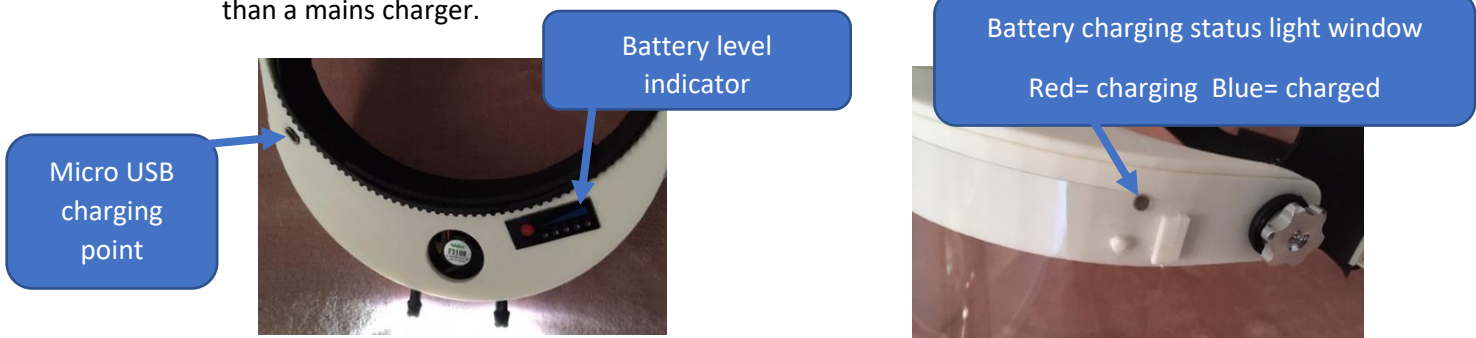
and bent to allow for focusing of the light beams. Please do **not** rotate the LEDs and do **not** pull them out further than the red mark. **Stop before the red mark.** The LEDs can be retracted back into the housing if they are not needed.

- The filter is used to prevent aerosols from contaminating the operator's eyes. It is assumed that the operator is already wearing a face mask. The filter cap can be gently snapped out if the filter needs to be changed. Five extra filters are provided for your convenience.
- To make extra filters, cut a face mask (ideally a Level 3 face mask- see frequently asked questions) using the filter ring as a template. Most face masks have three layers. The top layer blue layer is a moisture barrier. The middle white layer is to prevent microbial penetration. The lower white layer is for moisture absorption and comfort for the wearer. Obviously, the mask is not being worn, so discard the inner layer. This will also allow better air flow through the shield.



- The fan is for cooling and to reduce condensation on the visor.
- If fully charged, the fan and LED lights will work continuously for 15 hours. The lights will fade and the fan will become slightly noisier once the voltage drops at the end of a 15 hour cycle.

- Please use the provided micro USB cable to charge the device. The device may be worn and recharged with the lights and fan working, but it is recommended to use a 5V power bank rather than a mains charger.

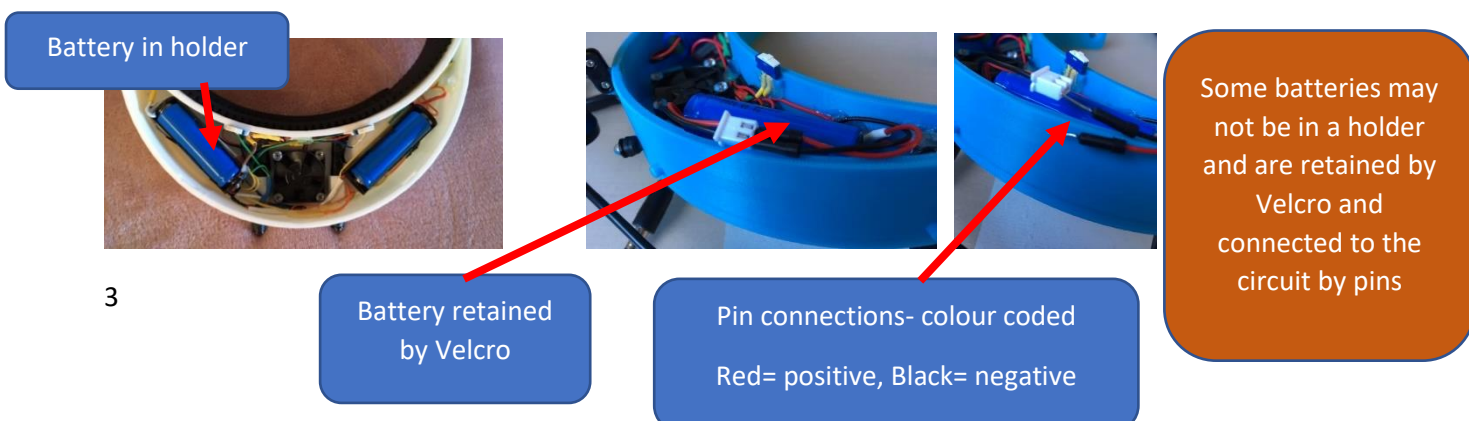


- A battery level indicator and charging status window are provided.
- A 5V mains charger may be used if the shield is being recharged while not being used.
- The device can be cleaned and disinfected using soap and warm water soaked on a disposable tissue or isopropyl alcohol. Other harsh disinfectants may cause staining and corrosion.
- It is **not** recommended that the operator undertakes any maintenance of the device. Opening the lid should only be required if undertaking the cleaning of the fan or removing the batteries. The lid snaps open but is quite tight.
- Please do not place anything inside the air outlet or inlet holes while the fan is in operation.

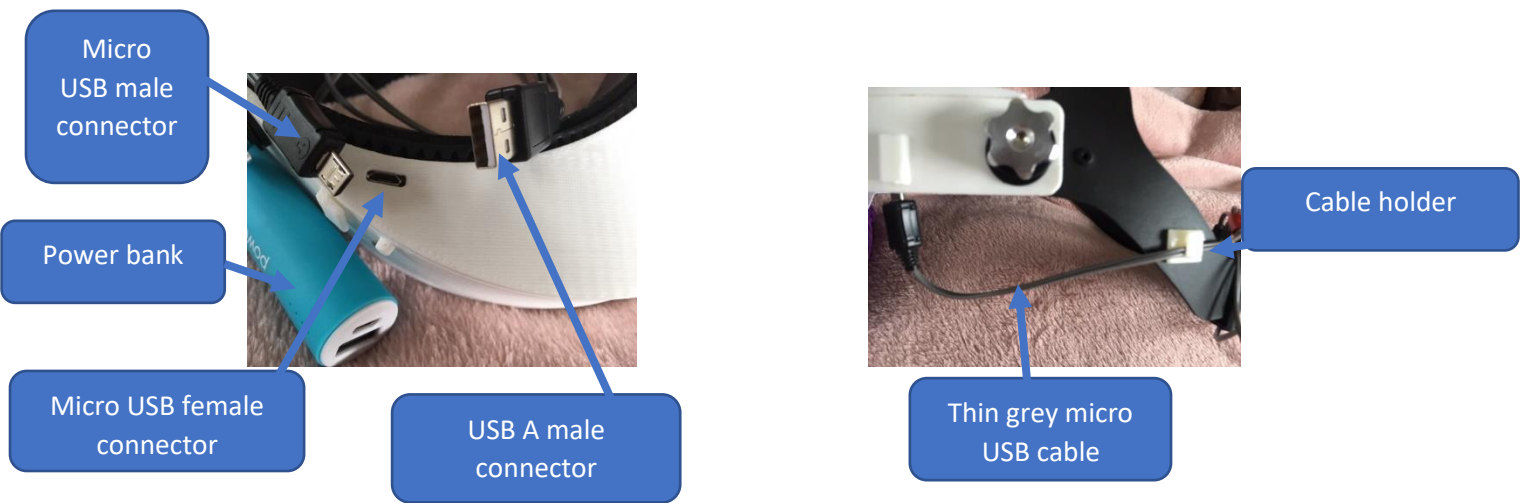


If you find that the face shield is too heavy, consider removing one or both batteries.

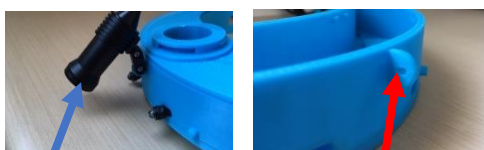
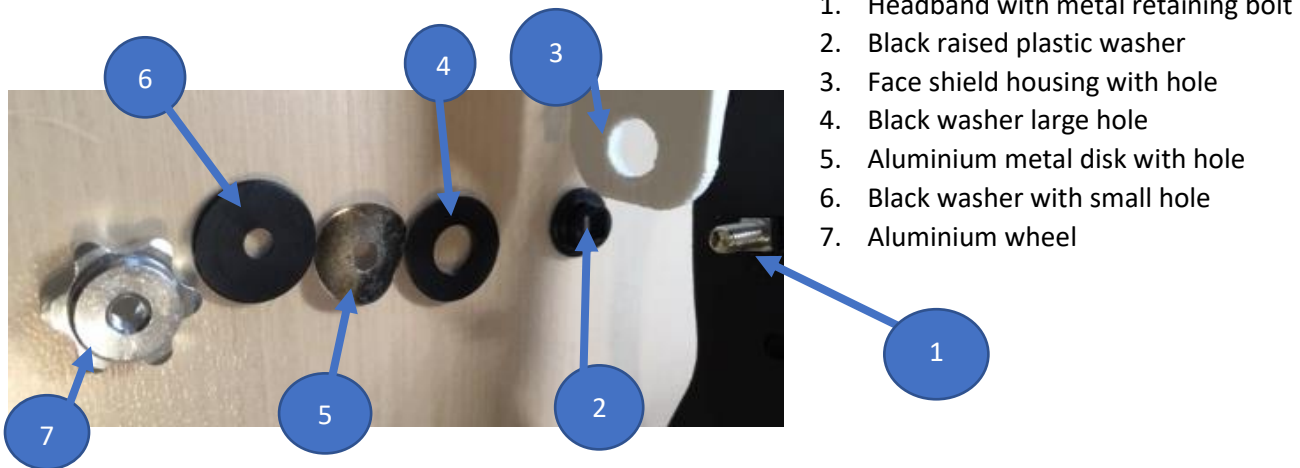
- Turn fan and LED lights off using their switches
- Gently snap the lid off the main housing
- Please note this is a prototype, so the wiring will not be as neat as the final version. This version does not have a printed circuit board, so there will be more wiring inside the housing
- Gently remove one or both blue rechargeable batteries



- Replace the lid, making sure that you align the switches in their individual holes in the lid
- Ensure that the lid snaps into the housing
- If both batteries have been removed, you will have to provide power via the enclosed power bank
- Connect the **thin grey** micro USB cable provided to the female connector on the inferior surface of the housing
- Connect the larger USB A end to the power bank
- Attach the cable to the holder on the headband
- The power bank can be placed in your pocket
- The power bank should power the fan and LEDs continuously for over 8 hours if it is fully charged. **You may have to power on both fan and LED lights if using this method. Turning the fan off may result in an annoying buzzing noise.** The LED status light will be red.
- The **thick black** micro USB to USB A cable can be used to charge the power bank



- Sequence for fixing the housing to the headband, if necessary: connect 1 to 2; 2 to 3..etc



Version 1B has a plastic projection that allows a headlight to be attached to the housing and powered by an external power bank.

- Any questions? Please email admin@orangedot.com.au

Headlight

Headlight retainer