



## Safety and Care

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Safe use and  
care of eSight 3

eSight 3



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# Safety Information

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Please read this important safety information before you use the device. It contains general safety information for your device. Follow the warning and caution information to prevent injury to yourself or others and to prevent damage to your device.

The term 'device' refers to eSight 3 and its battery, charger, the items supplied with the product, and any eSight-approved accessories used with the product.



## Warnings

Failure to comply with safety warnings and regulations can cause serious injury or death.

### eSight 3

**eSight makes no claims about the fitness of eSight 3 for any specific activity.**

- DO NOT use eSight during activities requiring significant physical movement — such as operating a motorized vehicle, jogging, using power tools, or similar activities.
- DO NOT drive while wearing eSight.

- DO NOT continuously look through eSight while
  - Walking or traveling in unfamiliar or congested areas.
  - Negotiating stairs, curbs, doorways, escalators, revolving doors, and so on.
  - Operating power equipment, tools, or other potentially dangerous machines.
  - Looking at the sun.
- When using eSight in mobile situations, place the headset in the upper bioptic position and secure the controller. Consult the eSight 3 Operation Guide for details.
- eSight can obscure your field of vision above the line of sight. Take care to avoid objects, such as low tree branches and the tops of door frames in automobiles.

## Power Supply

**Use only the power supply provided.**

- Using an unapproved power supply may cause a serious injury, a fire, or cause the battery to explode.

**Do not use damaged power supplies, cords, plugs, or loose electrical sockets.**

- Unsecured connections can cause electric shock or fire.

**Do not plug in the device with wet hands or disconnect the charger by pulling the cord.**

- Doing so may result in electrocution.

**Do not bend or damage the power cord.**

- Doing so may cause electric shock or fire.

**Do not short-circuit the power supply or the device.**

- Doing so may cause electric shock or fire, or the battery may malfunction or explode.

**Do not use your device outdoors during a thunderstorm.**

- Doing so may result in electric shock or device malfunction.

## **Lithium Battery**

**Do not expose the battery to damaging environments.**

- Do not use the lithium battery in humid, wet, or corrosive environments.
- Do not place or store your device in or near a heat source, in a high temperature location, in strong direct sunlight, in a microwave oven, or in a pressurized container.
- Do not expose your device to temperatures over 60° C (140° F).
- Damaging environments may cause the battery to leak, overheat, explode, or ignite and cause injury and/or damage.

**Do not pierce, open, or disassemble the battery.**

- If the battery leaks and you come into contact with the leaked fluids, rinse thoroughly with water and seek medical attention immediately.

**Do not attempt to service or replace the battery provided with your device.**

- The battery is not serviceable. Do not attempt to replace it. Serious damage may occur.

## **Servicing**

**Do not attempt to service this device yourself.**

- Opening or removing covers may expose you to dangerous energy points or other risks.
- Refer all servicing to qualified service personnel.

## **eSight-Approved Batteries, Chargers, and Accessories**

**Use manufacturer-approved batteries, chargers, and accessories.**

- Use only eSight-approved chargers and batteries with your device.
- Using unapproved chargers or batteries may cause a fire or cause the battery to explode.
- Using an incompatible battery and charger can cause serious injuries, damage to your device, or device malfunctions.

## **Improper Use and Storage**

**Do not use or store your device in areas with high concentrations of dust or airborne materials.**

- Dust or foreign materials can cause your device to malfunction and may result in fire or electric shock.

**Do not allow the device connections and cables to come in contact with conductive materials.**

- Conductive materials, such as liquids, dust, metal powders, and pencil leads, may cause a short circuit or corrosion of the terminals, which may result in an explosion or fire.

**Store your device only on flat surfaces.**

- If your device falls, it may be damaged.

## **Improper Disposal**

**Never dispose of the battery or device in a fire.**

- The device may explode when overheated. Follow all local regulations when disposing of a used consumer electronics device.

**Never crush or puncture the device.**

- High external pressure can lead to an internal short circuit and overheating.

**Do not dispose of the device in a landfill.**

- Safely dispose of this product, at the end of its useful life, according to applicable local laws, regulations, and procedures for electrical and electronic equipment waste. See “Correct Disposal” on page 20. Contact eSight for more information.

**State of California Proposition 65 Warning**



**WARNING:** This product may expose you to chemicals which are known to the State of California to cause cancer or birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).



**Cautions**

Failure to comply with safety cautions and regulations can cause injury or property damage.

**Replaceable Batteries**

**CAUTION:** Risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

## **Use Near Other Electronic Devices, Pacemakers and Hearing Aids**

**Do not use your device near other electronic devices.**

- Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

**Avoid using your device near pacemakers.**

- If you wear a pacemaker, consult your physician prior to using your device.
- Avoid using your device within 15 centimeters (6 inches) of a pacemaker, if possible, as your device can interfere with the pacemaker.
- Do not carry the device near your pacemaker when the device is switched on. If you suspect interference with your pacemaker, switch off the device and move it.

**Avoid using your device near hearing aids.**

- Avoid using your device near hearing aids. Some digital wireless devices may interfere with some hearing aids.
- If you use a hearing aid, contact the manufacturer before using your device to determine whether or not your hearing aid will be affected by radio frequencies emitted by the device.

## **Use in Hospitals, Aircraft, and Other Environments**

**Do not use the wireless features of your device in a hospital, on an aircraft, or in other environments near equipment that can be interfered with by radio frequency.**

- Do not use the wireless features of your device in a healthcare facility or on an aircraft. Place your device in Airplane Mode.
- Your device may interfere with improperly protected medical devices. If you use medical equipment, contact the equipment manufacturer before using your device to determine whether or not the equipment will be affected by radio frequencies emitted by your device.
- Your device may interfere with the electronic navigational instruments on aircraft. Make sure the device is turned off during takeoff and landing. After takeoff, you can use the device in Airplane Mode if allowed by aircraft personnel.
- Do not use your device near equipment that emits radio frequencies, such as sound systems or radio towers. Radio frequencies may cause your device to malfunction.
- In some situations or environments, the use of wireless radio devices is restricted. When in doubt, ask for authorization prior to using the wireless features on your device.

## **Explosive Environments**

**Turn off the device in potentially explosive environments.**

- Always comply with regulations, instructions, and signs in potentially explosive environments.
- Do not use your device at refueling points (gas stations), near fuels or chemicals, or in blasting areas.

- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.
- If you notice strange smells or sounds coming from your device or the battery, or if you see smoke or liquids leaking from the device or battery, stop using the device immediately and take it to an eSight Service Center. Failure to do so may result in injury, fire, or explosion.

## **Virtual Reality Statement**

eSight 3 is not for use in immersive or partially immersive Virtual Reality applications. Please refer to the Operation Guide for information on the proper use of the eyewear.

## **Proper Care and Use**

**Keep your device dry.**

- Humidity and liquids may damage the parts or electronic circuits in your device.
- Do not turn on your device if it is wet. If your device is already on, turn it off (if the device will not turn off, leave it as-is). Then, dry the device with a towel and contact eSight for service.

**Do not store your device near magnetic fields.**

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.

**Do not use your device for a while if the device is overheated.**

- Prolonged exposure of your skin to an overheated device may cause low temperature burn symptoms, such as red spots and pigmentation.

**Do not use the light close to the eyes of people or pets.**

- Using a light close to the eyes may cause temporary loss of vision or damage to the eyes.

**Avoid applying foreign substances to eSight.**

- DO NOT paint or use household cleaning fluids on eSight. Avoid getting sunscreen, skin lotions, or makeup on eSight. For cleaning instructions, see “Cleaning eSight” on page 21.

**Protect your hearing and ears when using headphones.**

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds may distract your attention and cause an accident.
- Always turn the volume down before connecting the headphones to an audio source and use only the minimum volume setting necessary to hear.

**Use caution when using the device while walking or moving.**

- Always be aware of your surroundings to avoid injury to yourself or others.
- Make sure the headset cable does not become entangled in your arms or on nearby objects.

**Discontinue use of the device if you develop a skin allergy.**

- If you are allergic to the materials that come in contact with your skin, you may experience itching, eczema, or swelling of the skin. When this happens, stop using the device and consult your physician.

**Do not drop your device or cause impacts to your device.**

- Your device may be damaged or may malfunction.

**Ensure maximum battery and charger life.**

- Follow all instructions to ensure the longest lifespan of your device and battery.
- Overcharging the battery may shorten battery life.
- Over time, an unused device will discharge and must be recharged before use.
- Disconnect the charger from power sources when not in use.
- Leaving batteries unused over time may reduce their lifespan and performance.

**Handle SD Cards and Cables With Care.**

- When inserting a card or connecting a cable to your device, make sure that the card is inserted or the cable is connected correctly.
- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.

- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch the gold-colored contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.
- Inserting a card or connecting a cable by force or improperly may result in damage to the device and/or cable.

## **Airport Security and Your eSight 3**

At airport security, you may be asked to remove your eyewear as part of the security screening process. Inform the security officer that you have low vision and may require assistance with the screening process. If you travel with supporting documentation describing your medical condition, present it to the officer. Politely ask the officer to reunite you with your eyewear immediately after it is screened.

## **Class 1 Laser Product**

This device contains a Class I Laser Product.

## **Product Emissions Compliance**

This equipment generates, uses, and can radiate radio frequency energy. It also contains rare-earth magnets. The equipment may cause radio frequency or magnetic interference to other devices and radio communications.

To provide reasonable protection against such interference, this product complies with CISPR-22, CISPR-24, and FCC Part 15, Subparts 'B' and 'C' standards for radiated emissions.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment is found to cause interference (which may be determined by turning the equipment on and off), the user (or qualified service personnel) should attempt to correct the problem by one or more of the following measure(s):

- Reorient or relocate the affected device(s)
- Increase the separation between the equipment and the affected device(s)
- Consult the point of purchase or service representative for further suggestions

The manufacturer is not responsible for any interference caused by using other than recommended interconnect cables or by unauthorized changes or modifications to this equipment. Changes or modifications are not authorized.

## Wireless Adapter Regulatory Information

### Use on Aircraft



#### Caution

FCC and FAA regulations may prohibit airborne operation of radio-frequency wireless devices (wireless adapters) because their signals could interfere with critical aircraft instruments. Ask the cabin crew before turning on the wireless adapter while on board.

### Wireless Adapter and Your Health

The wireless adapter, like other radio devices, emits radio frequency electromagnetic energy. The level of energy emitted by the eSight wireless adapter is less than the electromagnetic energy put out by other wireless devices such as mobile phones. The wireless adapter operates within the guidelines of radio frequency safety standards and recommendations. These standards and recommendations reflect the consensus of the scientific community who continually review and interpret the extensive research literature.

In some situations, the use of the wireless adapter may be restricted by the building owner or organization representative.

Examples of such situations include

- Using the wireless adapter on-board airplanes, or
- Using the wireless adapter in any environment where the risk of interference with other devices is perceived as being harmful.

If you are uncertain of the policy that applies to the use of wireless adapters where you are (an airport, for example), ask for authorization to use the adapter before you turn it on.

### **FCC Specific Absorption Rate (SAR) Certification Information**

The FCC with its action in ET Docket 96-8 has adopted a safety standard for human exposure to radio frequency (RF) electromagnetic energy emitted by FCC-certified equipment. The wireless adapter meets the Human Exposure limits found in OET Bulletin 65.

### **US Federal Communications Commission (FCC) Interference Statement**

We, eSight Corporation, 515 Legget Drive, Suite 200, Ottawa, Ontario, Canada K2K 3G4, 1-855-837-4448, declare under our sole responsibility that eSight 3 complies with Part 15 of the FCC Rules. Operation of the device is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference that may cause undesired operation.

This wireless adapter 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. If it is not used in accordance with instructions, the equipment may cause radio frequency interference to other devices and radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment is found to cause interference (which may be determined by turning the equipment on and off), the user (or qualified service personnel) should attempt to correct the problem by one or more of the following measure(s):

- Reorient or relocate the affected device(s).
- Increase the separation between the equipment and the affected device(s).
- Connect the equipment into an outlet or circuit different from the one the affected device is connected to.
- Consult the point of purchase or service representative for further suggestions.

This product does not contain any user serviceable components. Any unauthorized product changes or modifications invalidate the warranty and all applicable regulatory certifications and approvals, including authority to operate this device.

The wireless features of this device are restricted to indoor use due to its operation in the 5.15 to 5.25 GHz and 5.470 to 5.725 GHz frequency ranges.

- FCC requires the wireless features of this device to be used indoors for the frequency ranges 5.15 to 5.25 GHz and 5.470 to 5.725 GHz to reduce the potential for harmful interference to co-channel mobile satellite systems.
- High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and /or damage this device.
- No configuration controls are provided for this wireless adapter allowing any change in the frequency of operations outside the FCC grant of authorization for U.S operation according to Part 15.407 of the FCC rules.

## **Industry Canada/Canada d'Industrie**

This device complies with RSS-210 of the Industry Canada Rules. Operation of the device is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference that may cause undesired operation.

Ce dispositif est conforme à la norme CNR-210 d'Industrie Canada.

Son fonctionnement est sujet aux deux conditions suivantes:

- Le dispositif ne doit pas produire de brouillage préjudiciable.
- Ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.



**Caution**

- (i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) The maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall comply with the e.i.r.p. limit; and
- (iii) The maximum antenna gain permitted for devices in the bands 5725-5825 MHz shall comply with the e.i.r.p. limits specified for point-to-point and non point-to-point operation as appropriate.
- (iv) Users should also be advised that high power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.



**Avertissement**

- (i) Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) Le gain maximal d'antenne permis pour les dispositifs utilisant les bandes 5150-5250 MHz et 5470-5725 MHz doit se conformer à la limite de p.i.r.e.;

(iii) Le gain maximal d'antenne permis (pour les dispositifs utilisant la bande 5725-5825 MHz) doit se conformer à la limite de p.i.r.e. spécifiée pour l'exploitation point à point et non point à point, selon le cas.

(iv) De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

## **European Union**

This product must be used in strict accordance with the regulations and constraints in the country of use. For further information, contact the local office in the country of use.

### **EU Specific Absorption Rate (SAR) Certification Information**

This device meets the EU requirements on the limitation of exposure of the general public to electromagnetic fields by way of health protection. The limits are part of extensive recommendations for the protection of the general public. These recommendations have been developed and checked by independent scientific organizations through regular and thorough evaluations of scientific studies. The unit of measurement for the European Council's recommended limit for mobile devices is the "Specific Absorption Rate" (SAR), and the SAR limit is 2.0 W/kg averaged over 10 grams of body tissue. It meets the requirements of the International Commission on Non-Ionizing Radiation Protection (ICNIRP).

For body worn operation, this device has been tested and meets the ICNIRP exposure guidelines and the European Standard, for use with dedicated accessories. Use of other accessories which contain metals may not ensure compliance with ICNIRP exposure guidelines. The low band 5.15 to 5.35 GHz is for indoor use only.

This equipment complies with the essential requirements of the European Union directive 1999/5/EC. For more details, request a copy of the Declaration of Conformity.

## Correct Disposal



(Waste Electrical & Electronic Equipment) (Applicable in countries with separate collection systems) This marking on the product, accessories, or literature indicates that the product and its electronic accessories (e.g. charger, headset, controller, cables) should not be disposed of with other

household waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources. Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take these items for environmentally safe recycling.

This product is RoHS compliant.

# Care of eSight

## Cleaning eSight



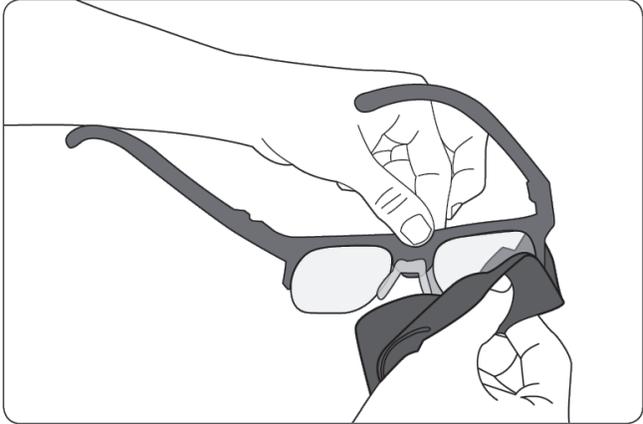
Warning

DO NOT use solvents to clean eSight.

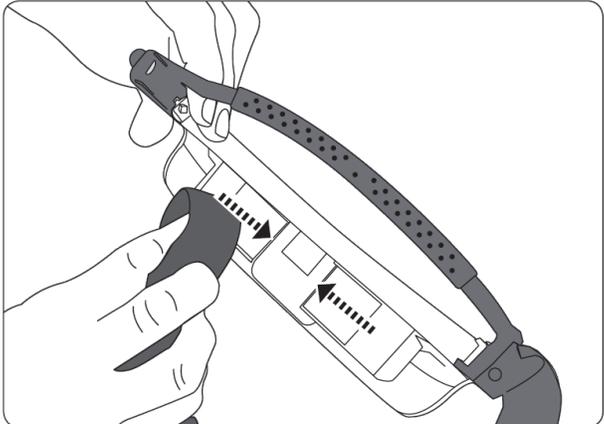
Do NOT get liquids inside eSight.

Allow eSight to dry thoroughly after cleaning.

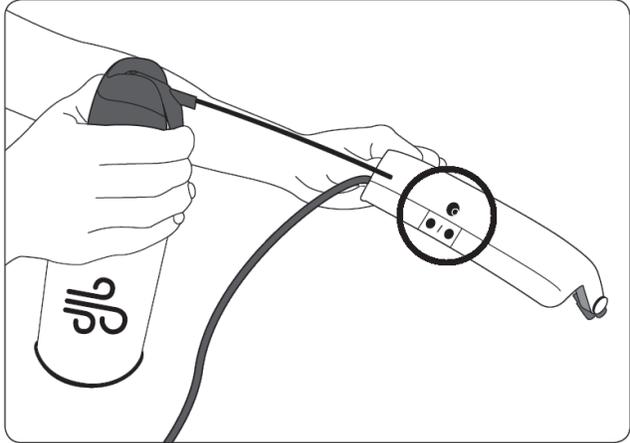
Clean the frame lenses like a regular pair of glasses using the microfiber bag provided or a lens cleaning cloth.



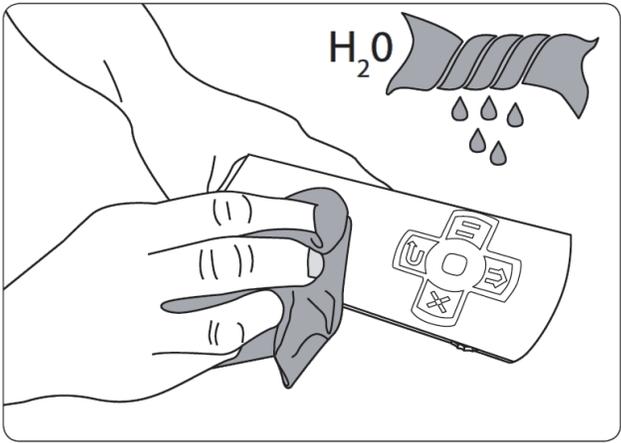
Wipe the displays from the outside to the inside using the microfiber bag or a lens cleaning cloth.



Clean the camera lens and range sensors with compressed air for electronic devices.



Clean the surface of the headset and controller with a soft cloth dampened slightly with water.



## Replacing the Forehead Band

eSight comes with an adjustable forehead band already attached.

Replace the forehead band if the band is damaged due to wear and tear.

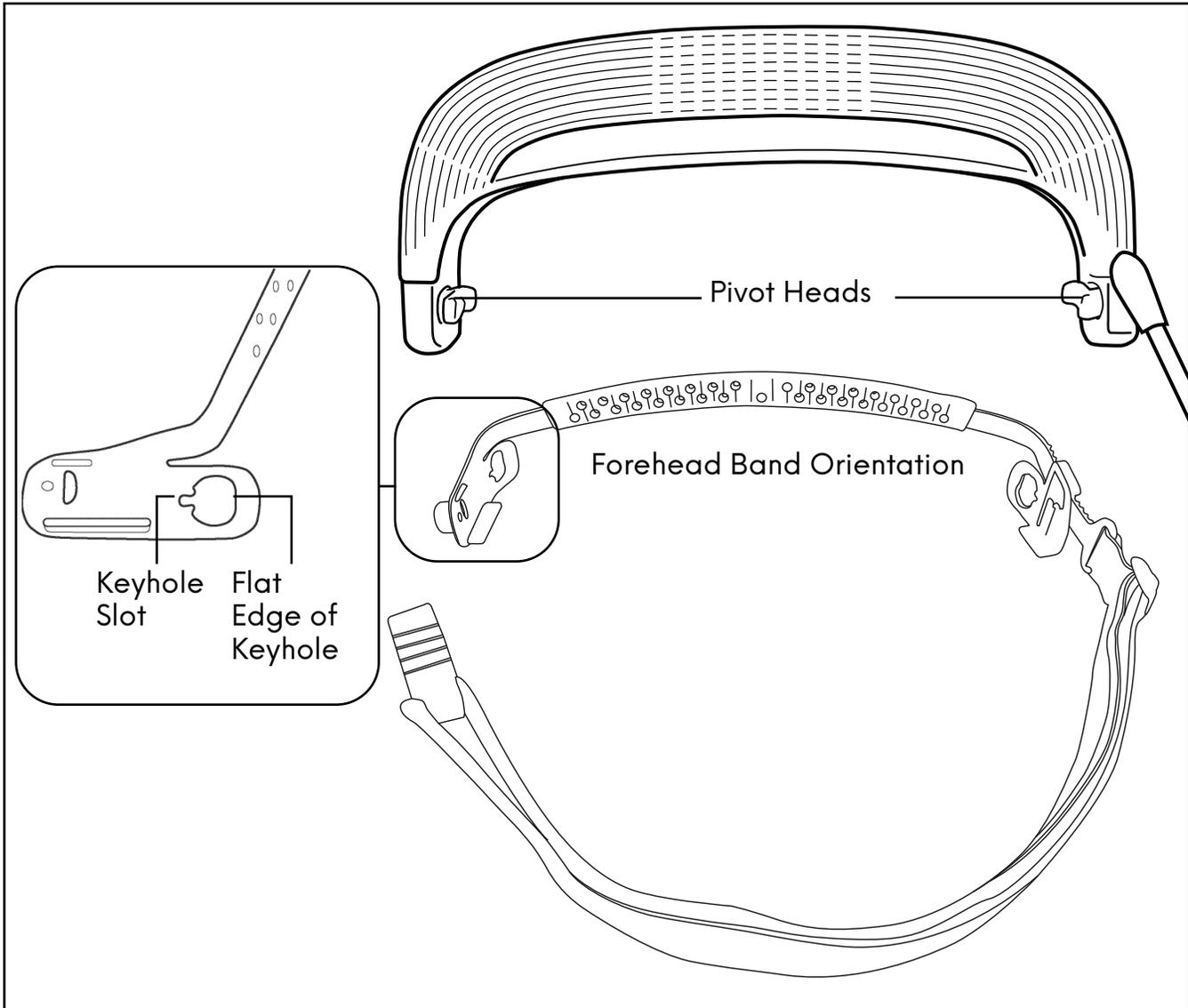
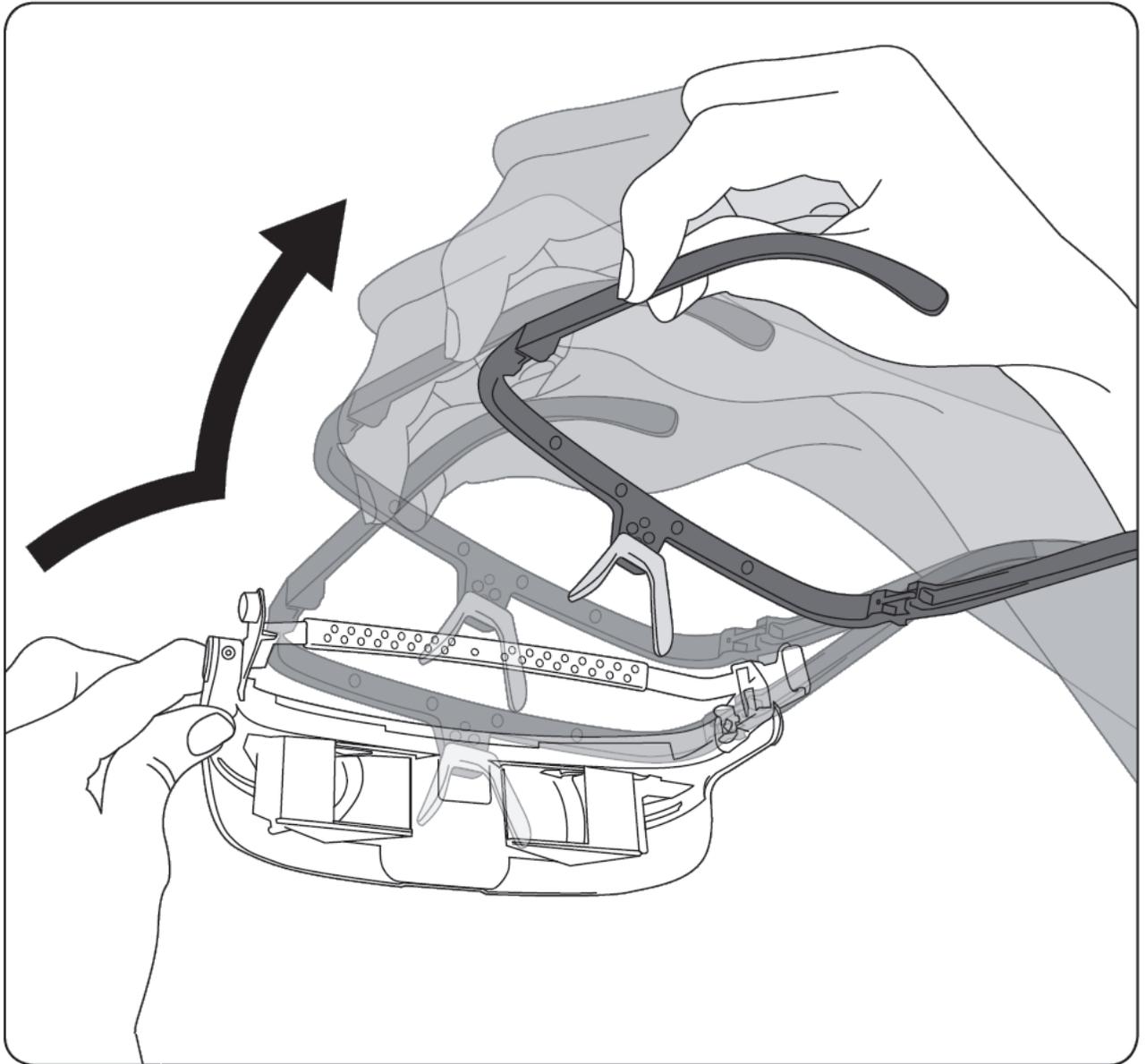


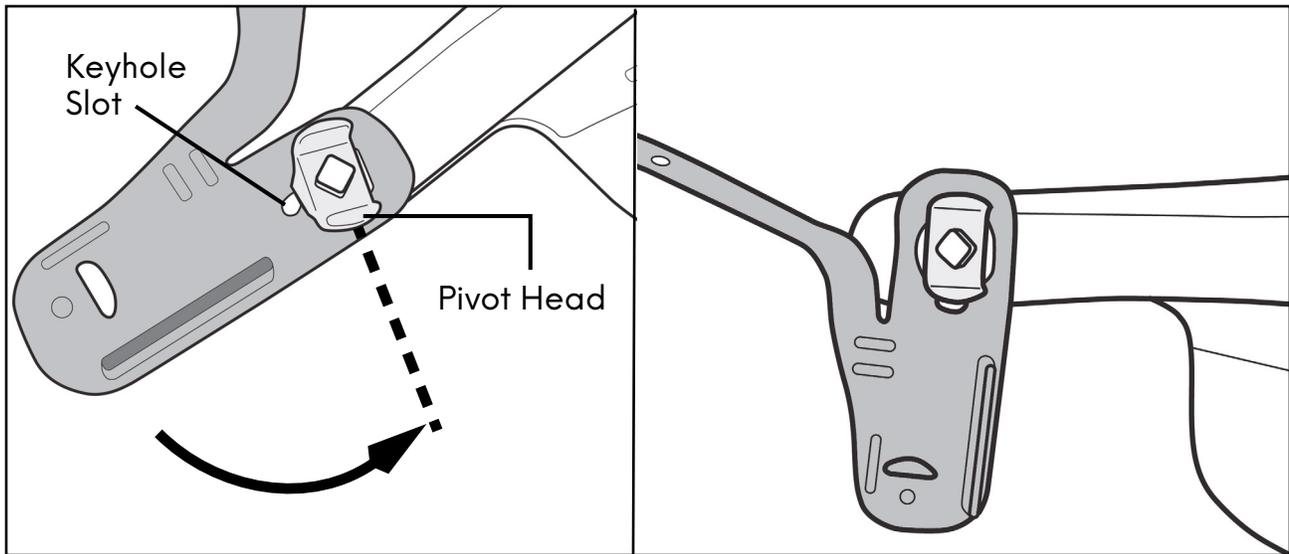
Figure 1 The Forehead Band and Headset

1. Disconnect the frames by gently pulling them inward and away from the headset (Figure 2).



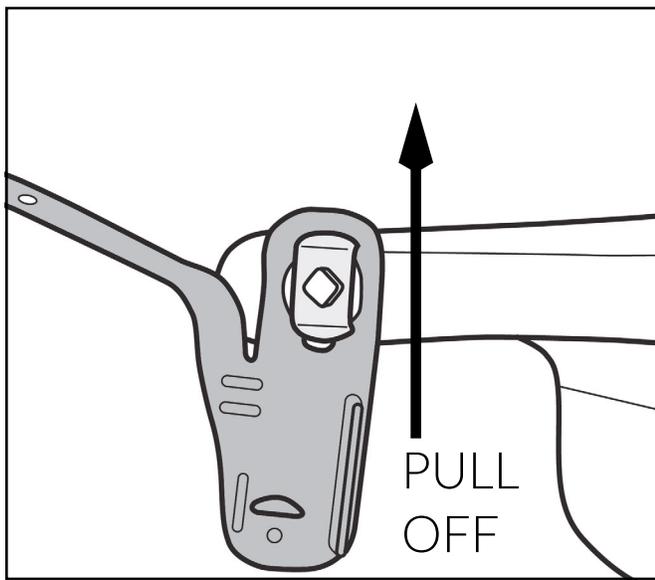
**Figure 2** Disconnecting the Frames

2. Rotate the forehead band until the keyhole slot aligns with the rounded end on the pivot head of the headset (Figure 3, Right).



**Figure 3 Rotating the Forehead Band Arm to Disconnect**

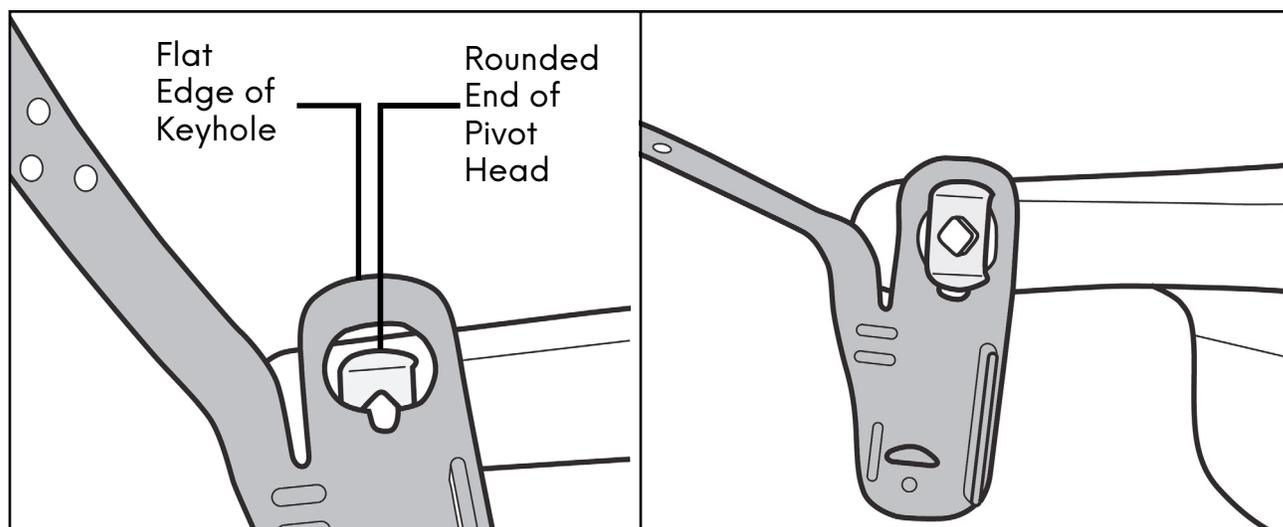
3. Gently pull the forehead band off the pivot head (Figure 4).



**Figure 4 Disconnecting the Forehead Band**

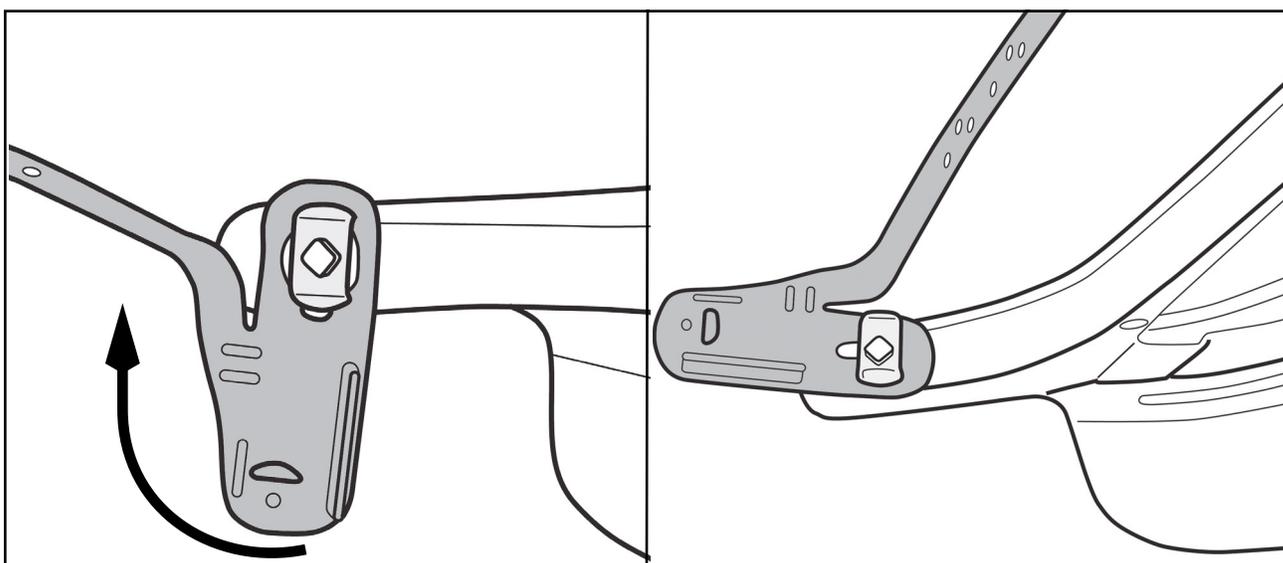
4. Repeat for the opposite side.
5. Orient the new forehead band, so it curves up and away from you (Figure 1).

6. Fit the flat edge of the keyhole on the forehead band over the rounded end of the pivot head on the headset (Figure 5, Left).



**Figure 5 Connecting the Forehead Band**

7. Pull the keyhole over the other end of the pivot head (Figure 5, Right).
8. Rotate the forehead band until the arm of the band is parallel with the arm on the headset (Figure 6, Right).



**Figure 6 Locking Forehead Band into Position**

9. Repeat for the opposite side.