# O X S I G H T ONYX



**User Guide** 

# **OXSIGHT Onyx**

# User Guide v2.5

Thank you for purchasing OXSIGHT Onyx<sup>®</sup>. This User Guide will help you get started with using the device (we refer to it simply as Onyx throughout the guide).

#### For service and after sales support:

OXSIGHT Ltd.
Sandford Gate
Sandy Lane West
Oxford
OX4 6LB

E-Mail: care@oxsight.co.uk

Tel: +44 (0) 1865 580255

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# Safety information

Read this important safety information before using the device. Heed the warnings and cautions to prevent injury to yourself and others, and to avoid damaging the device. Retain this safety information.

## Symbols used in this document

Symbol	Meaning	
<u></u>	Warning: This symbol indicates that failure to comply with the stated safety warnings and information could result in serious personal injury or even death.	
*	Warning, Trip Hazard: The device is designed to be used while sitting or standing still. This symbol indicates that failure to comply with this warning could result in serious injury or even death.	
	Caution: This symbol indicates that failure to comply with stated safety advice could result in personal injury or damage to the device due to incorrect handling.	

### Precautions when viewing images

#### Warnings



When viewing images on the device take care not to look directly at the sun or other bright light sources, as this could result in damage to your eyes or eyesight.

#### **Cautions**



Always take regular breaks when viewing images using the device, as prolonged use of the device can cause eye fatigue. If you feel tired or uncomfortable at any time when using the device stop viewing immediately.

Stop using the device if you develop motion sickness or feel nauseated while wearing the glasses.

If the device becomes damaged or malfunctions in any way stop using the device immediately. Continuing to use a damaged or faulty device may result in nausea or injury. Contact the OXSIGHT Care Team for assistance.

### Device usage precautions

#### **Cautions**



Stop using the device immediately if your skin becomes itchy or you develop any unusual rashes after touching the device. If you sweat while using the device, wipe any moisture from both the device and your face.

Do not attempt to open up or tamper with the device or modify the software or operating system on the device in any way, either yourself or by asking someone else to do so. Doing so may damage the device and lead to a deterioration in device performance.

This is a Class-1 medical device. Any attempt to make changes to the technology or software on the device could change its use and will invalidate the warranty.

Do not leave the device in the sun. Heat could damage it, and the OLED panels could be damaged if the lenses are left facing up in direct sunlight. Do not leave the device in the car as it can get very hot.

#### Conditions of use

#### Warnings



Do not expose the device to conditions of high humidity or an area where it may get wet, such as a shower, steamy room or swimming pool. Do not use the device in a smoky or dusty environment. Doing so could lead to electric shock, fire or deterioration of performance.

OXSIGHT only recommends the use of the charging accessories provided with the device. See page 49.

Do not use the AC adapter or cables if they are damaged as this may result in electric shock. Do not charge the device using a laptop or PC. When charging from a mains supply the socket should be easily accessible to allow swift disconnection.

#### **Cautions**



Do not puncture, open or disassemble the battery contained in the device. Do not attempt to service or replace the battery. Contact the OXSIGHT Care Team for guidance.

Do not dismantle, open, short-circuit or manipulate the device. Risk of electric shock!

Danger of electric shock! Unplug before cleaning.

#### Service

### Warnings



Do not attempt to repair or service the device yourself.

Do not open the device, as this may expose you or others to electric shock, sharp edges and other unknown risks.

Contact the OXSIGHT Care Team for any service requirements.

### Disposal

### Warnings



Do not dispose of the device in a fire, as this may lead to the device exploding. Contact your local waste collection provider or local government office for advice on safe disposal. See page 54.

# Intended use

- Onyx is a Class-1 medical device intended for use by individuals who are visually impaired, to provide an enhancement to remaining vision.
- Onyx is designed to improve the ability to carry out tasks such as reading, watching TV, and recognising faces. This can help with work, study, social situations, and hobbies.
- Onyx is designed for adults with Central Vision Loss, which is often a result of conditions such as Age-related Macular Degeneration and other sight conditions including Macular dystrophy and Stargardt's Disease.

- Onyx may also be used by children over 11 years old, but only on the approval of their optician. Children wearing the device must be supervised at all times by a responsible adult.
- Onyx is compliant with IEC/EN 60601-1 with additional test facilities for IEC/EN 61010 (Laboratory Equipment) including Touch Leakage, Voltage Measurement and dedicated IEC 61010 Measuring Device (Body Model).
- Onyx is compliant with IEC 60601-1-2 which applies to the basic safety and essential performance of Medical Electrical equipment and Medical Electrical systems in the presence of electromagnetic disturbances and to electromagnetic disturbances emitted by Medical Electrical equipment and Medical Electrical systems.
- IEC 60601-1-2:2007, Clause 5.1.1
- · (((•))

Medical electrical equipment — Part 1-2: General requirements for basic safety and essential performance — Collateral standard: Electromagnetic compatibility — Requirements and tests.

## Electromagnetic compatibility

### Warnings



The device must not be used with different cables and accessories as this can affect the EMC performance of the device. The device can interfere with other medical equipment so check with the equipment provider if you intend to use Onyx where other medical equipment is in use (e.g. clinics or hospital settings) or if specialist medical equipment is used within the home.

#### Directions for use

### Warnings





The device is not intented to be used as a mobility aid. Do not wear the device while walking or driving or operating hazardous machinery. The device must not be used during any activity that could be considered hazardous. Failure to follow this advice may lead to serious injury and even death. Onyx is not designed to cure, restore vision, or halt a degenerative eye condition.

#### Possible contraindications

The contraindications listed below have been compiled based on clinical judgment, not scientific research:

- Severe Dry eyes
- Nystagmus
- Severe Photosensitivity and Light wavelength sensitivity
- Contact dermatitis and Severe/photosensitive Epilesy
- Ocular infection and Migrain sufferers (light triggered)

### Caring for your device

- Always switch the device off when not in use and keep the device in the rigid zippable case provided to prevent accidental damage.
- Do not use solvents to clean any part of the device. Avoid getting liquids, sunscreen, skin lotions, or makeup on the device.
- Allow the device to dry thoroughly.
- Regularly check for any cracks or case damage to the headset,
   USB cable and charger. In case of damage stop use immediately and contact Onyx customer support for assistance.

# **Box contents**

Check that the following items are included in the box:

- Onyx headset (page 14), with fitted forehead pad and nose bridge
- USB-C cable (page 20)
- Charger and international plugs (page 20)
- Plastic arms with adjustable/removable head strap (page 25)
- Spare head strap (Medium size) (page 26)
- Replacement nose bridge (large) (page 29)
- Lanyard (page 31)
- Rigid zippable case
- Lens cleaning cloth
- User manual
- Quick Start guide

If you have any questions about the accessory parts, or need to order replacements, please contact the OXSIGHT Care Team.

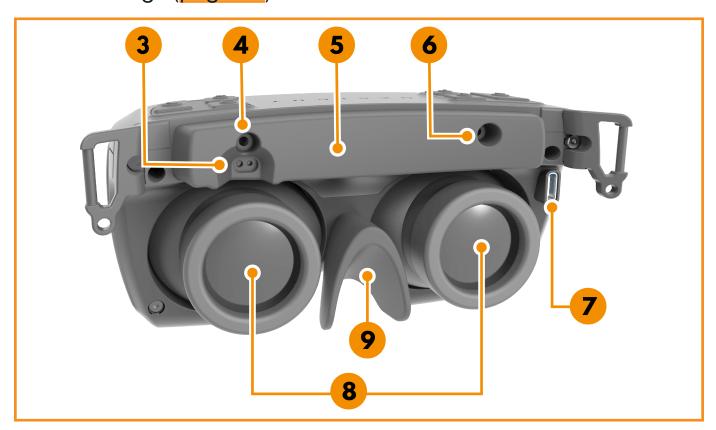
# **Features**

# Headset

- 1. Camera
- 2. Control buttons (page 16)

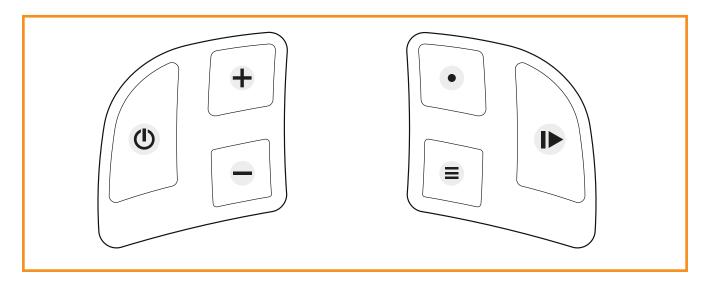


- 3. Proximity sensor (page 24)
- **4.** Left LED (page 18)
- 5. Forehead pad (page 28)
- 6. Right LED (page 19)
- 7. USB port (page 20)
- 8. Adjustable eyepieces (page 30)
- 9. Nose bridge (page 29)



# Control buttons

Use the six buttons on the top of Onyx to switch on and off, pause the display, and access modes and settings (e.g. zoom).



The table on the next page gives an overview of what the buttons are used for.

**Note:** Some buttons have different functions after you press **=**. See page 35.

lcon	Button	Function
ம	Power/ Default view	Switch on and off (page 22). Exit the current mode or menu and return to the default view (page 35).
+	Zoom in/ Scroll up	Zoom in (page 32). Scroll up list of menu options (page 35).
_	Zoom out/ Scroll down	Zoom out (page 32). Scroll down list of menu options (page 35).
	Refocus/ Select	Refocus (page 32). Select a menu option (page 35).
=	Menu/Back	Display the menu/go back up a level Menu mode (page 35).
<b>I</b>	Pause	Pause or unpause the display (page 33).

# **LED** indicators

The Onyx LEDs indicate charging and operational status.

### **Left LED**

Behaviour	Meaning
Flashing green	Starting up/Sleep mode (page 24)
Solid blue then off	Operational
Flashing orange	Shutting down
Flashing purple	Update mode (page 44)
Flashing red	Startup error (page 45)

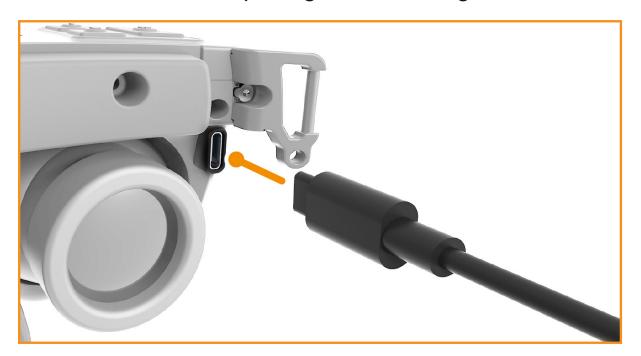
# **Right LED**

Behaviour	Meaning
Flashing red	Battery low (less than 5%) (page 20)
Solid white	Charging (page 20)

# Getting started

# Charging

Ensure the device is fully charged before using it for the first time.





**Caution:** Do not leave the device connected to the charger for long periods of time or overnight. Do not cover the device when on charge.

#### To charge:

- 1. Plug the Charger into a power outlet.
- **2.** Connect the USB cable's large USB type A connector to the charger.
- 3. Connect the USB cable's small USB type C connector to the Onyx USB port.
  - The Right LED is white while the device is charging, and switches off when the battery exceeds 90% charge.
  - Full charging of the device takes approximately one hour.
- 4. Unplug the USB cable and charger when charging is complete.

**Note:** You can use Onyx while it is still connected to the charger/power outlet, but take care not to strain or break the USB cable. It is best to remain seated while using Onyx in this way.

**Note:** You can also power Onyx using an external battery pack, with the following specifications:

- 5V
- USB type A connector (you can use the existing Onyx charging cable to connect to the battery pack).

# Switching on and off

#### To switch on:

Press and release **U**.

- The Left LED will flash green for ten seconds, then blue during start-up. It will go out when Onyx is operational.
- The headset display will show OXSIGHT Onyx. The battery power level and software version will be displayed briefly.
- Start-up is complete when the display shows the full colour camera view. You can now start using Onyx.
- If Onyx does not start up as expected, see page 45.

**Note:** There is a short delay between pressing ① and seeing **Onyx** on the display. Please be patient during this pause; if you keep pressing ①, Onyx might switch off again.

#### To switch off:

Press and hold  $\textcircled{\bullet}$  for four seconds.

The Left LED will flash orange while Onyx is switching off.

## Checking the battery level

The device is powered by an integrated rechargeable Li-Ion battery (see page 49).

### To check the battery level (when Onyx is on):

Press and release **U**.

The battery level will be displayed on the screen.

- The full charge is 100%.
- When the battery level falls below 5%, the Right LED will begin to flash red, at which point you should charge the device using the AC adapter supplied. See page 20.

# Powersaving modes

Onyx uses the following powersaving modes:

- Proximity: If you're using Onyx but move it away from your face temporarily, the display dims and operation pauses. Bringing Onyx back to your face automatically turns it back on.
- **Sleep mode**: If you place Onyx on a flat surface for more than one minute, it will enter Sleep mode.
  - The Left LED will pulse green for five minutes then go out.
  - You can wake Onyx up simply by picking it up and placing on your face again.
  - If you pick Onyx up while it is in Sleep mode, the Left LED turns solid blue for a short time then goes out.
- Auto switchoff: If left in Sleep mode for more than five minutes,
   Onyx automatically switches off.

**Note:** If you are not going to use Onyx for more than 30 minutes we recommend that you switch it off completely. See page 22.

#### If Onyx has switched off:

Press and release 1 to switch Onyx back on.

# Fitting/wearing Onyx

Onyx has been designed to fit a wide range of head shapes and sizes. It comes with two nose bridges of different shapes, and one forehead pad. A nose bridge and forehead pad are already attached to the headset, and the spare nose bridge is in a compartment of the box.

Please try on your Onyx, adjusting the head strap to ensure that it is held securely and comfortably to your head.

If you can't position Onyx comfortably in line with your eyes, or if it is putting too much pressure on your nose, you may need to change the nose bridge (see page 29).

If you have any questions about the accessory parts, or need to order replacements, please contact the OXSIGHT Care Team.

## Fitting the head strap

Fit the head strap if you want to use Onyx hands-free. One head strap is supplied already fitted to the arms. There is also a spare head strap.

#### To fit the head strap:

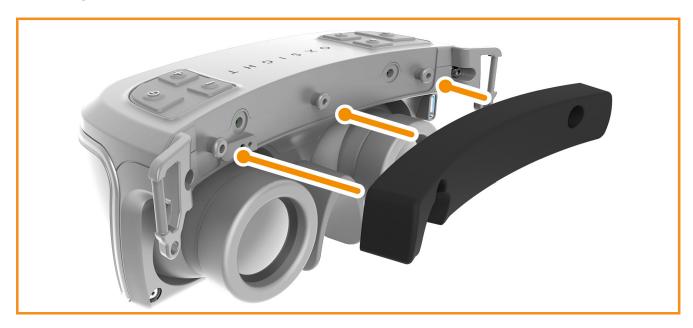
- 1. Clip the arms onto the brackets on the sides of the headset.
- 2. Place the head strap around the back of your head.
- 3. Adjust the strap using the velcro at each end so that it just takes the weight of the headset. The headset should not be resting with any weight on your ears or nose (the nose bridge is only used as a guide to keep the device centred).
- **4.** Adjust the eyepieces so that your eyes are directly in line with the center of each display. See page 30.

#### To replace the head strap:

- Remove the existing head strap from the arms.
- 2. Feed the ends of the replacement strap through the slots at the end of each arm.
- 3. Adjust the fit as above.



## Fitting a new forehead pad

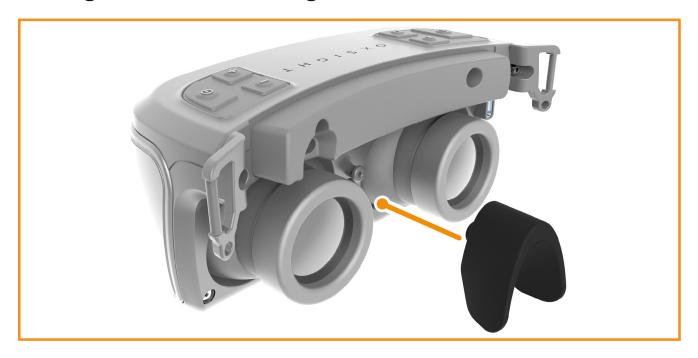


The forehead pad makes Onyx comfortable to wear and helps keep the lenses at the right distance from your eyes. The lenses should be close enough to your eye to get a good image from the display, but not so close as to be touching your eye lashes. New forehead pads are available to order from the OXSIGHT Care Team.

#### To replace the forehead pad:

- 1. Grip the existing pad and pull firmly away from the headset.
- 2. Push the replacement pad onto the three locking pins so that it clicks into place.

## Fitting a new nose bridge

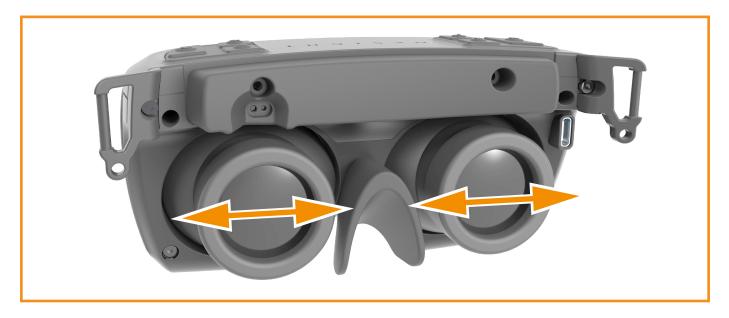


If the headset is pushing too heavily onto your nose, you might want to use a smaller nose bridge.

#### To fit a new nose bridge:

- 1. Grip the nose bridge and pull firmly away from the headset.
- 2. Align the replacement nose bridge so that the rubber guide point fits within the guide hole in the headset.
- 3. Push the nose bridge so that it clicks into place.

## Adjusting the eyepieces



Onyx works best when your eyes are in the centre of each eyepiece.

#### To adjust the eyepieces:

- 1. Slide the eyepieces left or right until you feel like each of the lenses is aligned directly in front of your eyes.
- 2. If the image is distorted at the left or right, move the eyepieces in the direction of the distortion to fix this problem.
- 3. If the distortion is at the top or bottom, move the entire headset up or down your forehead in the direction of the distortion.

## Using the lanyard

The supplied lanyard allows you to hang the headset around your neck when not in use. This keeps the device within easy reach when you are using it intermittently for hobbies or detailed work.

#### To use the lanyard:

- 1. Attach the lanyard clips to the headset via the small circular holes at the bottom of each headset bracket.
- 2. Adjust the lanyard length to suit.



# **Using Onyx**

# Zooming the live image

There are six levels of image zoom: -1, 0 (default), 1, 2, 3, 4.

To magnify or shrink the image by one level:

Press 
$$+$$
 or  $-$ .

To reset the zoom to the default value:

Press and release **U**.

# Refocusing the image

If the image becomes blurry, you can refocus on the central object in the display.

#### To refocus the image:

Press and release •.

# Pausing the live image

You can pause the live image if you want to focus on specific details in the field of view.

#### To pause the live image:

Press .

- The button will vibrate when it is pressed.
- The word **Paused** will show in the display when the image is paused.

#### To restart the live image:

Press Pagain.

#### You can do the following while paused:

- Zoom in and out of the paused image. See page 32.
- Move your head to pan the display around the paused image.

## Menu modes

Onyx has two menu modes, Basic and Advanced. Switch between these modes using  $\equiv$  (see page 36).

### Options available in the different menu modes

- In Basic menu mode, the options are:
  - **Brightness**: See page 36.
  - TV: See page 37.
  - Advanced: Switches to Advanced menu mode.
- In Advanced menu mode, the options are:
  - Brightness: See page 36.
  - TV: See page 37.
  - Face: See page 39.
  - **Effects**: See page 40.
  - Settings: See page 41.
  - Basic: Switches back to Basic menu mode.

#### Button behaviour in menu modes

In Basic and Advanced menu modes, some buttons behave differently:

- Use + and to scroll through available menu options.
   You cannot zoom in and out when in menu mode.
- Use to select a menu option.
   You cannot refocus or zoom Onyx when in menu mode.

### Selecting menu options

#### To enter menu mode and make a selection:

- 1. Press to display the main menu.
- 2. Press + and to scroll between the available options.
- 3. Press to make a selection.

  If there is a submenu, scroll and make a selection as above.
- **4.** Do one of the following:
  - Press = several times to return to normal display mode.
  - Press 🛡 to exit the menu and return settings to default.
  - Wait for ten seconds without pressing any buttons; Onyx will automatically return to normal display mode.

## Switching between Basic and Advanced menu mode

- 1. Press = to display the main menu.
- 2. Press + and to scroll to **Basic** or **Advanced** (only one of these options will be available).
- 3. Press to activate the new menu mode.
- **4.** Do one of the following:
  - Press = several times to return to normal display mode.
  - Press 🛡 to exit the menu and return settings to default.
  - Wait for ten seconds without pressing any buttons; the device will automatically return to normal display mode.

# Changing the display brightness

### To change the display brightness:

- 1. Press  $\equiv$ .
- 2. Press + or to scroll to **Brightness** and press .
- 3. Press + or to select a brightness level and press .

  There are three levels of brightness.
- **4.** Press = twice to exit the menu system.

## TV mode

TV mode is available in Basic and Advanced menu modes.

In this mode, Onyx optimises the camera exposure for viewing TV screens, particularly in darker environments.

#### To use TV mode:

- **1.** Press = .
- 2. Press + or -, scroll to TV and press to enter the TV submenu.
- 3. Press + or to scroll through the settings. The following exposure settings are available:
  - High
  - Mid
  - Low (best for dark rooms)
  - Auto (Onyx attempts to set the best exposure for the current lighting conditions).
- **4.** Press to activate your chosen exposure setting.
- 5. Press = several times (or wait ten seconds) to return to normal display mode.

#### Things you can do while in TV mode:

While in TV mode, you can:

- Refocus the image. See page 32.
- Zoom in and out. See page 32.
- Pause the live image. See page 33.

#### To exit TV mode:

- 1. Press and release  $\bigcirc$ . This does the following:
  - Resets the zoom to the default setting.
  - Unpauses the image, if currently paused.

## Face mode

Face mode is only available in Advanced menu mode.

In this mode, Onyx will lock onto and track any image that it recognises as a face and keep it in the centre of the screen.

#### To use Face mode:

- 1. Point Onyx towards a face.
- **2.** Press **≡**.
- 3. Press + or -, scroll to Face and press ●.
- **4.** The display will zoom into the largest and most central face and track that face.

#### To exit Face mode:

Do one of the following:

- Turn away from the face being tracked.
- Press and release ①.

# Applying image effects

Effects are only available in Advanced menu mode.

You can apply one or more effects (filters) to the current image:

- Edges: Edges in the display will be exaggerated and turned white.
   The rest of the image will be black.
- Contrast: This turns the image black and white.
- Invert: This inverts the image, turning white to black and black to white.
- Normal: Switches off any existing effects and reverts to normal display mode.

#### To apply an image effect:

- **1.** Press **≡**.
- 2. Press + or -, scroll to Effects and press ●.
- 3. Press + or -, scroll to your chosen effect and press ●.

#### To switch off an effect:

Press and release **①**. This returns the device to the default colour mode.

# Changing settings

In Advanced menu mode, you can change some Onyx settings (text position, text size and stereo overlap).

**Note:** If you need to know how to swap between Advanced and Basic menu modes, see page 34.

### Changing the text position

To change the text position in the display:

- **1.** Press **≡**.
- 2. Press + or -, scroll to Settings and press •.
- 3. Press + or -, scroll through the Settings menu options and pressto select Text Position.
- **4.** Press + or − to scroll and to select one of the following:
  - Bottom
  - Middle
  - Top
- **5.** Press to select an option.

### Changing the text size

#### To change the text size in the display:

- **1.** Press **≡**.
- 2. Press + or -, scroll to **Settings** and press ●.
- 3. Press + or -, scroll through the Settings menu options and pressto select Text Size.
- **4.** Press + or − to scroll and to select one of the following
  - Small
  - Medium
  - Large
- **5.** Press to select an option.

## Changing the stereo overlap

If you feel a bit cross-eyed using the device, you can change the amount of difference between the left and right display.

#### To change the stereo overlap:

- 1. Press  $\equiv$ .
- 2. Press + or -, scroll to Settings and press ●.
- 3. Press + or -, scroll through the Settings menu options and press
  to select Stereo Overlap.
- **4.** Press + or to change the stereo overlap:
  - The default value is 80.
  - If your eyes are relatively far apart, try a higher value.
  - If your eyes are relatively close together, try a lower value.
- 5. Press = several times to exit the menu system.(You do not need to press to save the value.)

**Note:** Pressing • will not reset the stereo overlap value. To set it back to the default value of 80, use the Settings menu as described above.

## Software updates

From time to time we might want to update your Onyx with new software. Please visit our website for information about the latest update. You can also scan the QR code below for details.

https://www.oxsightglobal.com/onyx-user/software



#### To enter Software Update mode:

- 1. Press and hold  $\bigcirc$  for four seconds to switch the device off.
- 2. Press and hold + and = for ten seconds, then release.
  - The Left LED will flash purple.

#### To exit Software Update mode:

3. Press and hold to for five seconds.

# Troubleshooting

Most problems can be solved by switching the device off and on again. If your problem cannot be rectified using the below advice, please contact your OXSIGHT Care Team for assistance.

#### Onyx will not switch on

- Check that the device is fully charged.
- If the battery is at less than 5% charge, the Right LED will flash red.
- If the battery is fully discharged, then the LEDs will not light up. See page 20.
- If the device has been in use it may have overheated and switched off. Allow the device to cool down before attempting to switch back on.

#### The image on the screen appears jerky

 The device may have overheated due to prolonged use. Power off and allow the device to cool down before attempting to switch back on again.  In order to keep the device cool, where possible keep the device out of pockets and bags while operating.

# The image on the screen is frozen and I cannot switch off using the Power button 1.

Press and hold + and for five seconds, then release.
 This will reset Onyx to its default settings. You will then need to switch Onyx back on again by pressing .

#### Onyx will not charge

- Check that the device is switched off before charging.
- The charging cable might not be connected properly. Check the USB-A plug is connected to the charger, and the USB-C plug is connected to Onyx.
- Double check that the charging cable is firmly plugged into the device and charger.
- If the battery is dead the LEDs will not light up until the battery has gained some charge. Leave the device to charge for at least one hour. See page 20.

#### Low battery indication

If the Right LED flashes red, the battery charge is less than 5%.
 Switch Onyx off and plug it into the charging accessory. See page 20.

# Onyx is switched on, but the display is mostly black with a few small icons

Switch Onyx off, wait a few seconds, and then switch it back on.
 See page 22.

# The image on the headset is frozen and doesn't change when I move my head

- Check that Pause mode is not engaged. See page 33.
- If Pause mode is not engaged, switch Onyx off, wait a few seconds, and then switch back on. See page 22.

### The device took longer to start up and before the picture came on there was a small grey box in the middle of the screen

 Onyx periodically checks for normal operation. This might add a minute to the start up time but is perfectly normal and shouldn't happen more than once a month.

#### The image on my display seems smaller than normal

Press + several times until the picture seems a comfortable size.
 See page 32.

#### The image in my display seems blockier or shakier than normal

Press several times until the picture seems a comfortable size, usually when the Zoom level on the display shows -1. See page 32.

# The screen on my device suddenly turned black and the LEDs are flashing dark blue

Check if the device has entered sleep mode. Press and release to return to the normal display. See page 24.

# General information

# **Specifications**

ltem	Description		
Headset	USB Type-C connector for charging/updates OLED display resolution 454 x 454 pixels Camera resolution 5 Megapixels OXSIGHT Part number - E21008-076		
USB cable	Im data and charging cable USB Type-A to USB Type-C		

ltem	Description				
Power supply: Wall adapter/ charger	Regulated Switchmode AC-DC charger Rated input 100-240VAC 0.35A 50-60Hz Output voltage 5V DC Output current 2A Power 10W USB Type-A connector Multi-blade input connector Region-specific input plugs: UK, EU, US, AUS OXSIGHT Part number - E21008-009				
Battery	Integrated rechargeable Lithium Polymer battery Capacity 1000mAh Nominal Voltage 3.7V				
	WARNING: Fire, explosion and severe hazard. Do not short circuit, crush, puncture, incinerate, or disassemble. Rechargeble cells will naturally reduce in capacity over long term use. Contact Onyx customer service for support and advice if needed.				

ltem	Description				
Operating temperature	0°C to 40°C (32°F to 104°F)				
Storage temperature	-20°C to +45°C (-4°F to 113°F)				
Protection against electrical shock	Class II, Type BF Applied				
Water and Dust Protection	IPXO				
	warning: Do not use Onyx in the rain, when at the beach or swimming pool, or in or near a bathtub or shower. Do not submerge the Onyx in any type of liquid.				

## Intellectual property rights

OXSIGHT Onyx<sup>™</sup> is a registered trademark of OXSIGHT Ltd. The customer recognises and agrees that all rights, intellectual property and trademarks in relation to this device are the property of OXSIGHT Ltd., whether registered or not.

Under the terms and conditions of the sale the customer is granted nonexclusive and non-transferable license to use the software embedded in this device, for personal use only, with the exception of open source components licensed under LGPLv2 and GPLv2, for which license text, original source code and modifications are available by contacting OXSIGHT Ltd on open-source@oxsight.co.uk

The customer must not make any hardware or proprietary software changes or interfere with the device. The customer must not delete or make changes to the proprietary software components embedded in this device. The customer must not disassemble or reverse engineer any aspect of the device. Any attempt to do so will be deemed in breach of the terms and conditions.

OXSIGHT will provide periodic updates to the software and make these available to an authorized OXSIGHT representative to be installed on the device.

## Open source software

The device uses software owned by OXSIGHT as well as the following Open Source Software components: Linux Kernel and drivers, Android OS, Gstreamer and plugins, kmsbootanim, tengine, opency, grpc, meson, gobject-introspection, flashrom, armnn, tensorflow-lite, libx264, ffmpeg. Open Source licenses these components are licensed under, original source code and together with modifications made by OXSIGHT are available by contacting OXSIGHT on open-source@oxsight.co.uk.

The open source software is supplied without warranty; however, malfunction of the open source software does not affect the warranty conditions provided with this device. If you encounter any problems with any of the software on this device, contact your OXSIGHT Care Team for assistance.

## Restrictions on use



The device is compliant with the regulations in the country of sale. If using the device outside the country of sale contact OXSIGHT Care for advice.

## Correct disposal



The WEEE (Waste Electrical and Electronic Equipment) marking on this device indicates that this device should not be disposed of with general household waste.

Users should contact their local waste disposal provider or local council for details of how to dispose of the device without doing undue harm to human health or the environment.

## **Authentication information**



Conformite Europeene (Europe)



**UK** Conformity Assessed

# Warranty

This OXSIGHT Onyx has been inspected and tested prior to shipping to ensure the device delivers the expected high standards of operation and reliability.

OXSIGHT offers a warranty period of twelve months after the date of delivery of the device against defects in materials and manufacture under normal use.

According to the terms and conditions of the sale, OXSIGHT will either repair the device or replace it with a like-for-like device during the warranty period at no extra charge.

This warranty does **not** cover:

- Defects or damage from misuse, use other than in the intended manner, accident or neglect.
- Defects or damage from improper operation, maintenance, installation, adjustment or modification.
- Defects or damage from spills of food or liquid.
- All plastic surfaces and all other externally exposed parts that are scratched or damaged due to normal use.

• Damage due to operation of the OXSIGHT Onyx with equipment not supplied or approved by OXSIGHT Ltd.

You may be asked to provide proof of purchase, bearing the date of dispense, in order to receive warranty service.

