



USER'S MANUAL



WARNING

**DO NOT DRIVE WITH NUEYES
WALK WITH EXTREME CAUTION**

GLASSES MAY HEAT AFTER EXTENDED USE

WHATS INCLUDED



**NUEYES FEATURING ODG
SMART GLASSES**



STORAGE CASE



BLUETOOTH CONTROLLER



**MAGNETIC USB
DATA & POWER CABLE**



2 EAR BUDS



**USB TO MICRO-USB
RETICLE SPEED MOUSE
CHARGING CABLE**



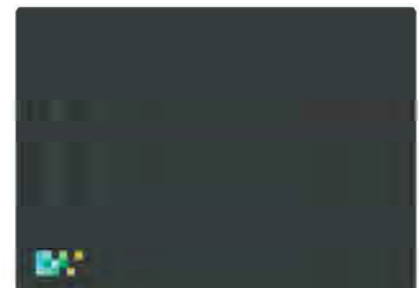
USER GUIDE



HEAD STRAP

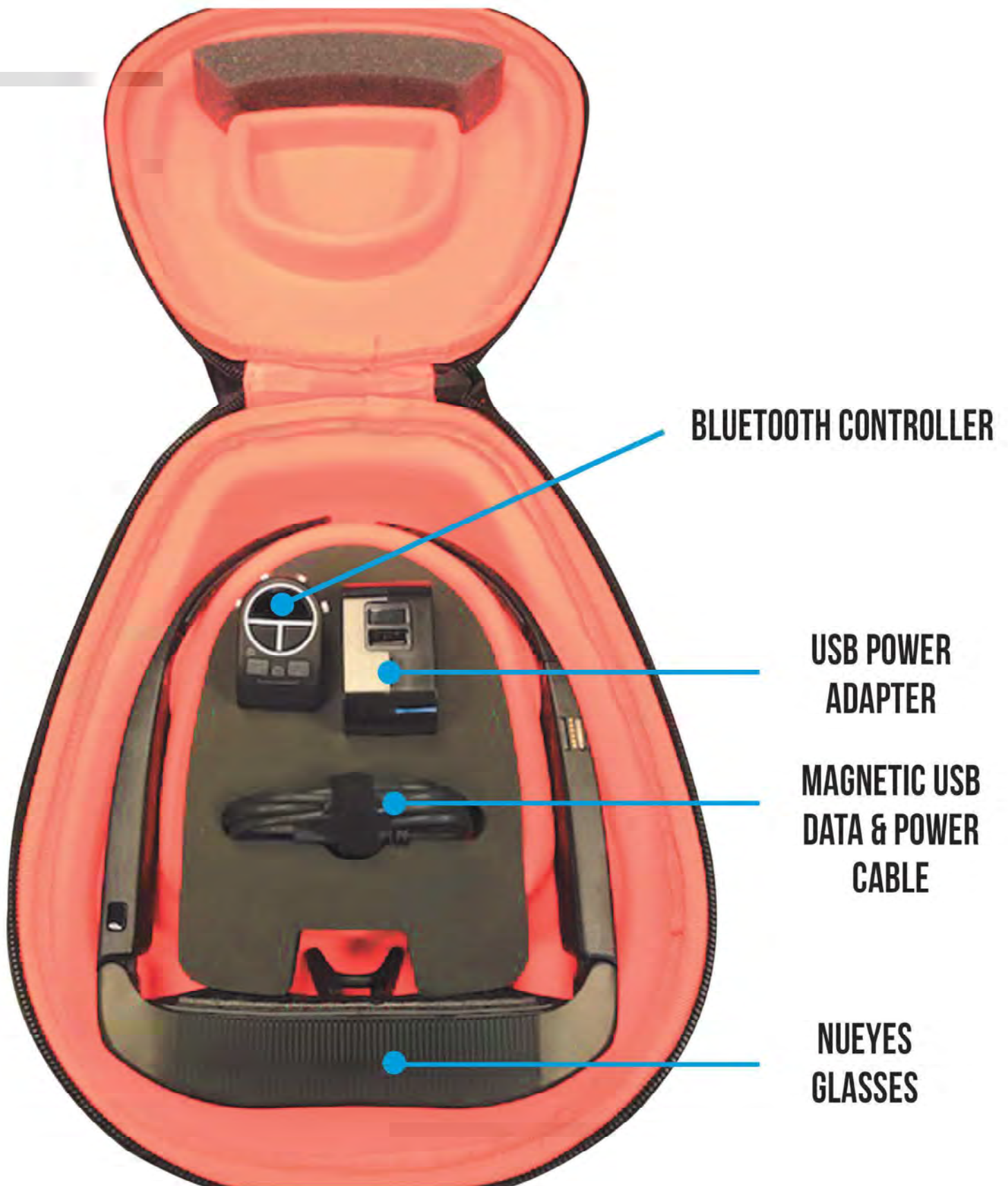


**USB POWER
ADAPTER**



**LENS CLEANING
CLOTH**

PACKAGE CONTENTS

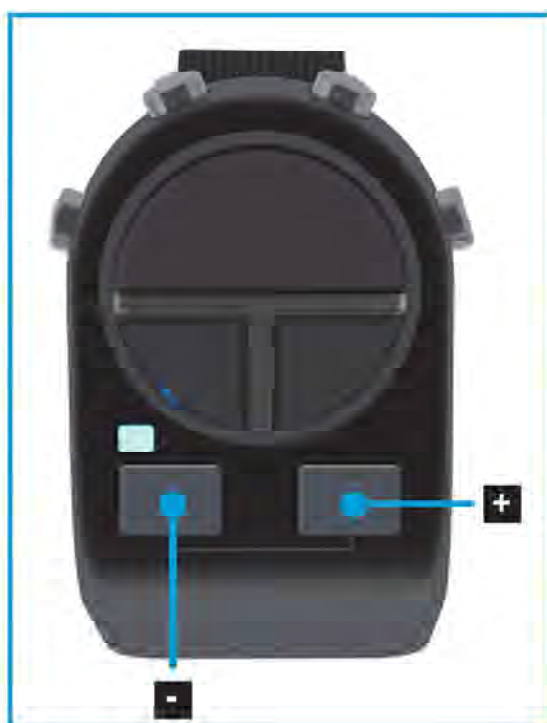


USING NUEYES



Once unpackaged from case please charge your NuEyes.

When the glasses are fully charged please press the power button to turn device on.



You can increase or decrease magnification using the buttons on the glasses via the remote control, or using your voice. Voice command is "Glasses Make Bigger"/" Glasses Make Smaller".

CONTRAST CONTROL



* CONTRAST (PUSH DOWN)

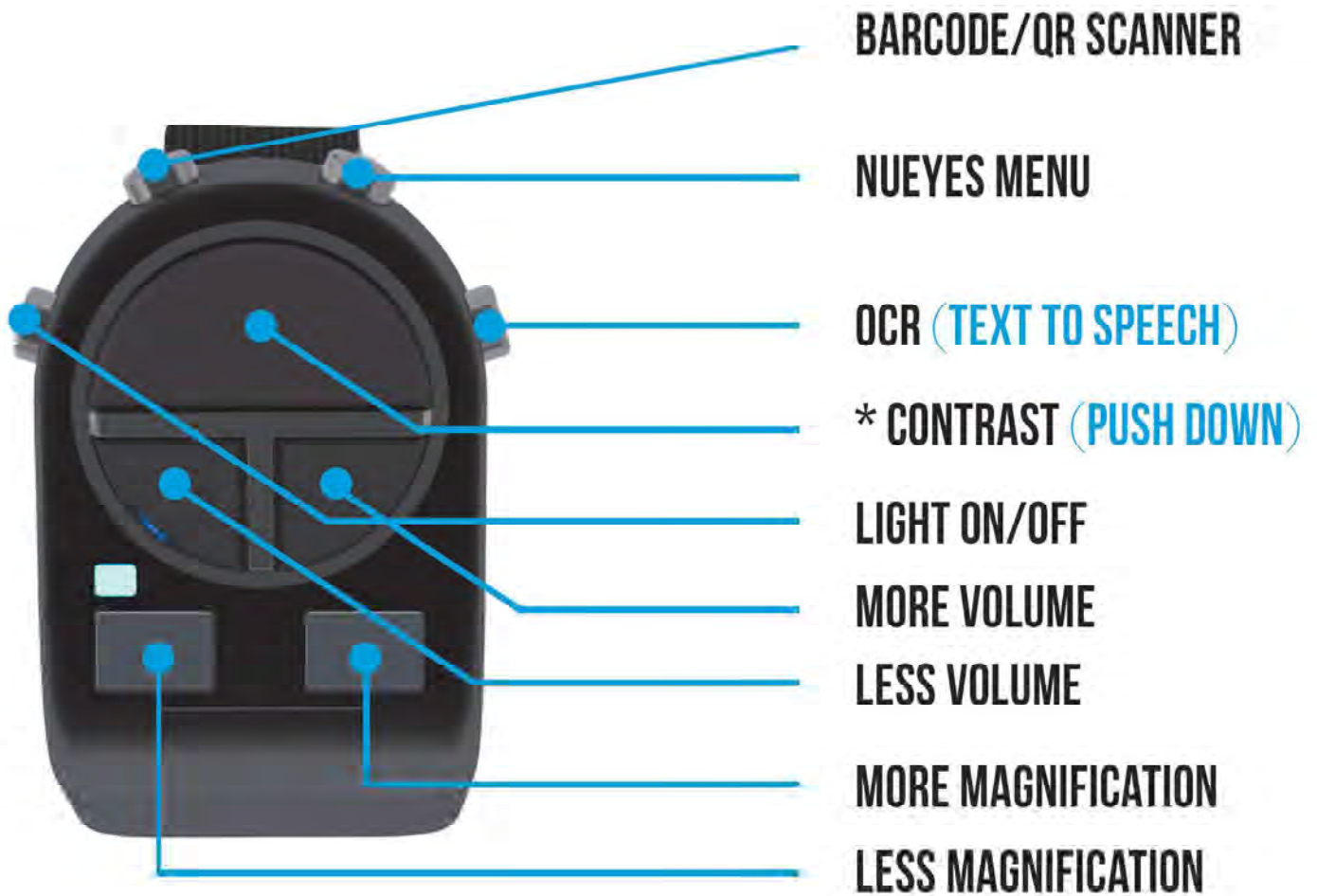
PUSH DOWN FOR DIFFERENT COLORS

- NORMAL
- WHITE ON BLACK
- BLACK ON WHITE

You can also control different contrasts or colors by using the button on the glasses, the remote control or your voice.

* CONTRAST BUTTON WILL ONLY WORK WHEN ENABLED IN THE NUEYES MENU

BLUETOOTH CONTROLLER



* CONTRAST BUTTON WILL ONLY WORK WHEN ENABLED IN THE NUEYES MENU

VOICE COMMANDS

Voice Command	Action
Glasses make bigger	Increased magnification
Glasses make smaller	Decreased magnification
Glasses freeze image	Pause live image
Glasses voice off	Turn voice commands off
Glasses go back	Navigation out of NuEyes Menu and to exit freeze image feature
Glasses start recording	Recording video
Glasses capture image	Taking a picture

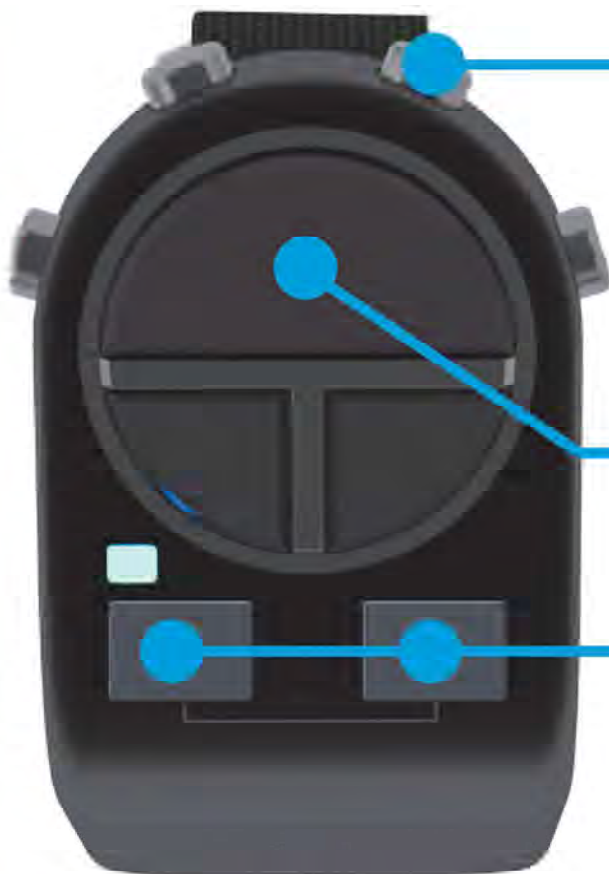


GLASSES MAY HEAT AFTER EXTENDED USE

Flashlight



NUEYES MENU



QUICK MENU

CONTRAST

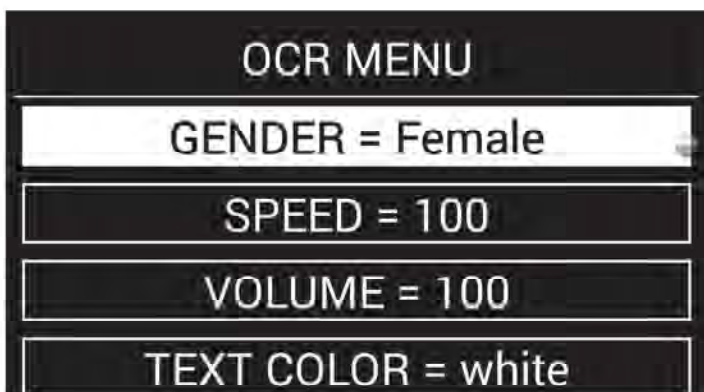
MAGNIFICATION

NUEYES MENU

- 1: Depress top right NuEyes Menu button (See image below).
- 2: Use your magnification buttons to navigate up/down.
- 3: Depress contrast button to enter or change settings.
- 4: Depress the back button to exit menu or selection.
- 5: All of your selections or modifications will be saved for future use of your glasses.
- 6: Use your voice to back out at any time by saying “glasses go back”.



Nueyes Menu



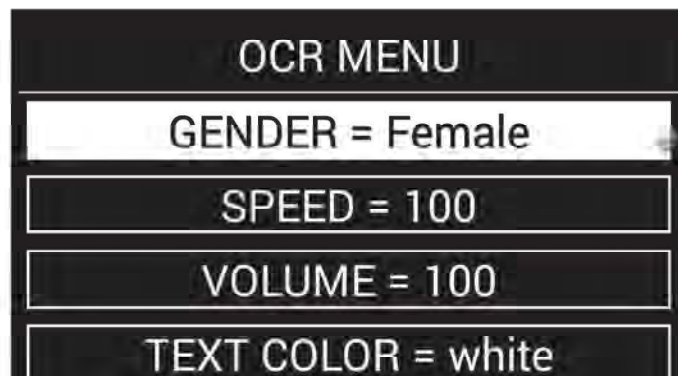
OCR (TEXT-TO-SPEECH)



- 1: Please gently align your magnetic earbuds to your glasses (see page 15 where the earbuds are demonstrated).
- 2: Depress right hand hot key for your NuEyes to read and printed text aloud.

The Story of the Princesses Imagine how the four princesses lived in the tower. enjoyed their life th_ABBYY_ the occasional sailing int(five sentences about the four princesses in the tower, c them. Be imaginative!

Activity The Story of the Princesses Imagine how the four princesses lived in the tower. How woi enjoyed their life there and the occasional sailing into the sea a five sentences about the four princesses in the tower, as written t them. Be imaginative!



Your OCR menu features include changing voice, speed, and volume.

BARCODE/QR SCANNER

- 1: Press Barcode/QR scanner button (See below) to enable your barcode reader (note this will only work when connected to WI-FI).



Barcode/QR Scanner



- 2: Once the Scanner is enabled please align barcode or QR code into the box.
- 3: The scanner will automatically pick up the barcode or QR code and start to read it aloud and display the text. In most cases there will be a picture of the product displayed to the right and in rare cases a video will play.
- 4: You can magnify the text using your magnification keys.
- 5: Press Barcode/QR scanner button to exit scanner.

PAUSING/FREEZING A LIVE IMAGE WITH PANNING ABILITY

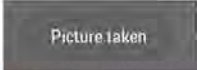
You can now freeze a live image and pan it using your head movement with your NuEyes.

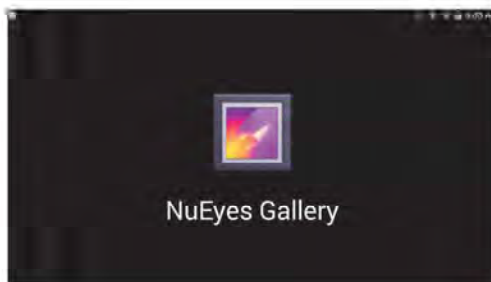
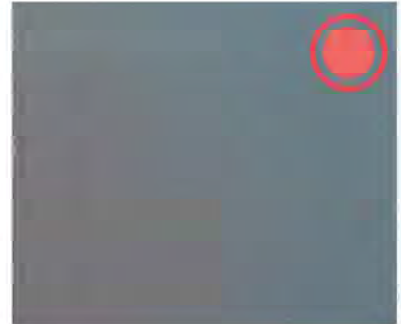


- 1: To Pause or Freeze an image simply say "Glasses Freeze Image".
- 2: Once the image is paused you can magnify or change color using your normal controls on the glasses or wireless controller.
- 3: When the image is paused and you magnify what is displayed on the screen and move your head in any direction to pan the magnified picture.
- 4: To get out of this feature simply say "Glasses Go Back"

RECORDING VIDEO AND PICTURE TAKING

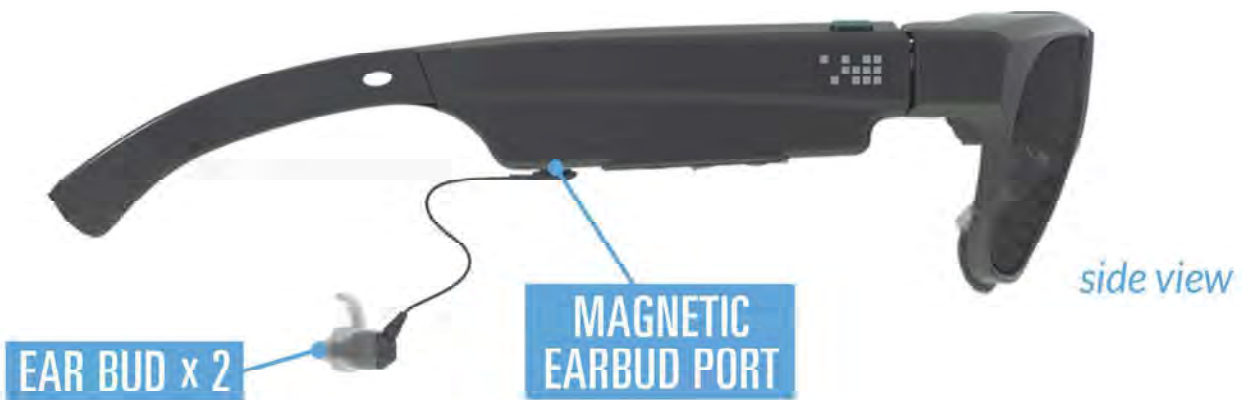
You can now record video and take pictures using simple voice commands with your NuEyes

- 1: To record a video simply say “Glasses Start Recording”. You will see a bright red light in the upper right-hand corner. To stop recording please press the track pad on the glasses or on the wireless remote.
- 2: While recording you can magnify into any image by using your magnification keys on the glasses or wireless remote (see page 5 Bluetooth pic).
- 3: To take a picture simply say “Glasses Capture Image” a small and brief icon  will appear at the bottom of the screen.
- 4: To access your video recordings and pictures please go to the gallery in the NuEyes Menu.



- 5: To delete any photo or video simply move your cursor onto the delete button and press it down. You also have the ability to swipe your finger from left to right to preview each stored photo or video.
- 6: To exit gallery press the back button on your glasses. 

EARBUDS & HEADSTRAP



To listen to audio, attach each of the supplied earbuds to the magnetic earbud ports located on the bottom of each temple.

To adjust the volume, press the Volume Up or Volume Down buttons on the the Reticle Speed Mouse or the bottom of the left temple on the glasses.

HEAD STRAP

HEAD STRAP ATTACHMENT



The included Head Strap can be attached to secure the glasses to the wearer's head. To attach the strap, press the strap connectors into the oval hole in the Ear Horns, then rotate them 90° to lock into place.

CHARGING



To charge the glasses, attach the Magnetic USB Data & Power Cable to the charging port on top of the left temple and plug the cable into the supplied power supply. A charging status light located on the inside front of the glasses illuminates when the charging cable is plugged in.

STATUS LIGHT COLORS



CHARGING
SOLID WHITE



CHARGED
SOLID GREEN



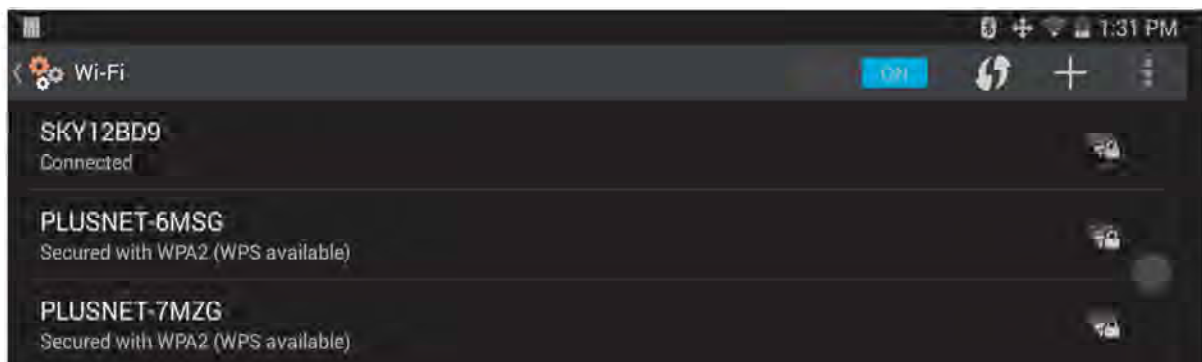
BATTERY ERROR
BLINKING BLUE OR RED



If an error is indicated, contact NuEyes immediately for servicing.
Do not attempt to access the batteries or disassemble the device. 16

CONNECTING YOUR NUEYES TO WI-FI

- 1: To connect your NuEyes to Wi-Fi please have your local representative or reseller help you.
- 2: To access the android menu please press and hold the menu button on the bottom right hand side of the glasses in the middle for 5-6 seconds.
- 3: The first setting is Wi-Fi and should be highlighted in orange. Press down on the track pad or pad on your wireless remote to access the Wi-Fi settings.
- 4: Once in Wi-Fi settings find your network or router name and follow the prompts to connect it.



CONNECTING YOUR 2X LENS



Place your 2x lens in your hand (smaller portion of bracket at the bottom) and tilt the bottom towards the center of the glasses.



Insert the 2x lens underneath the camera and centered on the nose piece of the glasses.



Once the bottom of the 2x lens is attached to the glasses tilt or rotate the rest of the 2x lens bracket toward the camera or center of the glasses until it fully attaches to the top of the glasses.



Once attached 2x camera is ready for use.



To remove the 2x lens bracket for close viewing please place your fingers on the top of the 2x lens bracket and pull it away from the glasses. You will also need to gently pull down to release the bottom portion from the nose piece and glasses themselves.

TECHNICAL SPECIFICATIONS

HARDWARE

Qualcomm® Snapdragon™ 805

2.7GHz quad-core Processor

3GB Pop LP-DDR3 RAM

64GB Storage

GPU Adreno420, 600 MHz turbo,

500 MHz nominal

GPU APIs: OpenGL ES 1.1/2.0/3.0, 3.0+, OpenCL1.2 Full Profile, DX11.1

Dual 650mAh Lithium-Ion Batteries (1300mAh total)

Replaceable Magnetic Nose Bridges

Removable ear horns

Dual Haptic Feedback in Temples

OPTICS

Dual 720p Stereoscopic See-thru displays at 80fps

Battery Life- Glasses will hold a charge for approx. 1.5-2 hours dependent upon usage. Product comes with an additional 10 hour battery pack for extended use.

Charging Time - Glasses typically take from 45 minutes to 1 hour to fully charge.

COMMUNICATIONS

Bluetooth 4.0

802.11ac

GNSS (GPS/GLONASS)

SENSORS

Multiple Integrated Inertial Measuring Units with 3-axis accelerometer, 3-axis gyroscope, 3-axis magnetometer

Barometric Pressure Sensor

Humidity Sensor

Ambient Light Sensor

Autofocus Camera (1080p @ 60fps, 720p @ 120fps)

INPUT/OUTPUT

2 Digital Microphones (User & Environment)

Magnetic charging port with USB on-the-go

Magnetic stereo audio ports with ear buds

SOFTWARE

ReticleOS, a see-thru optimized Android framework for head-worn computing atop Android 4.4.4 (Kit Kat)

Qualcomm® Vuforia™ SDK for Digital Eyewear (VDE)

NuEyes Patent Pending Low Vision Software

INCLUDED ACCESSORIES

Protective Case

Magnetic Ear Buds

BLE Reticle Speed Mouse

Swappable Photochromatic Lenses

Focus Shift Element

MAGNIFICATION

Level	Magnification
Level 1	No Magnification
Level 2	2x
Level 3	3x
Level 4	4x
Level 5	6x
Level 6	8x
Level 7	10x
Level 7 With 2x Lens (included)	12x