EyeQue

Insight Plus®

Vision Screener

Product Manual

Model: VA102

Table of Contents

Insight Vision Screener

Technical specifications..... Page 5

Intended use.....Page 6

Product description.....Page 6

Getting started.....Page 8

General testing procedures..... Page 12

Multiple users..... Page 16

Contraindications..... Page 17

Safety warning..... Page 17

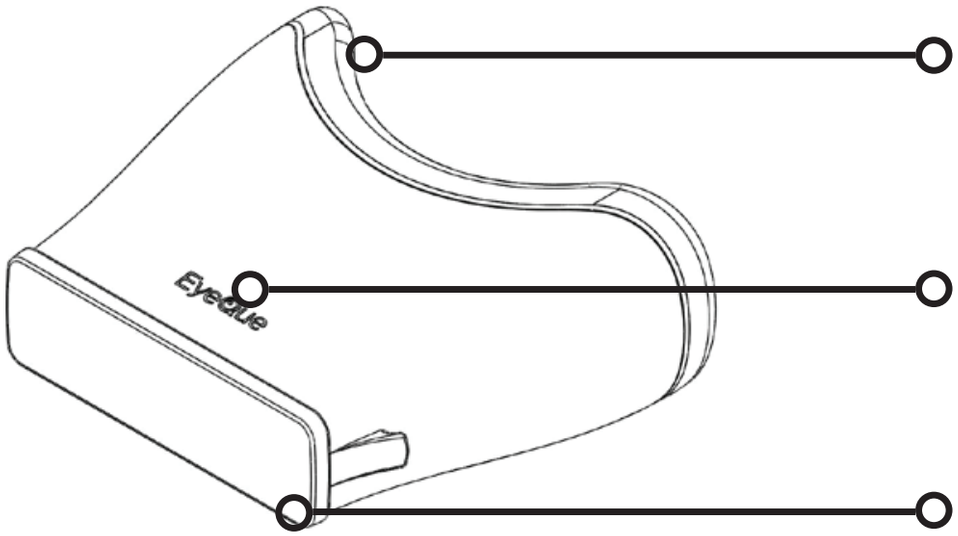
Warranty information.....Page 18

Insight Plus Accessories

Head Mount.....Page 20

Remote Control.....Page 29

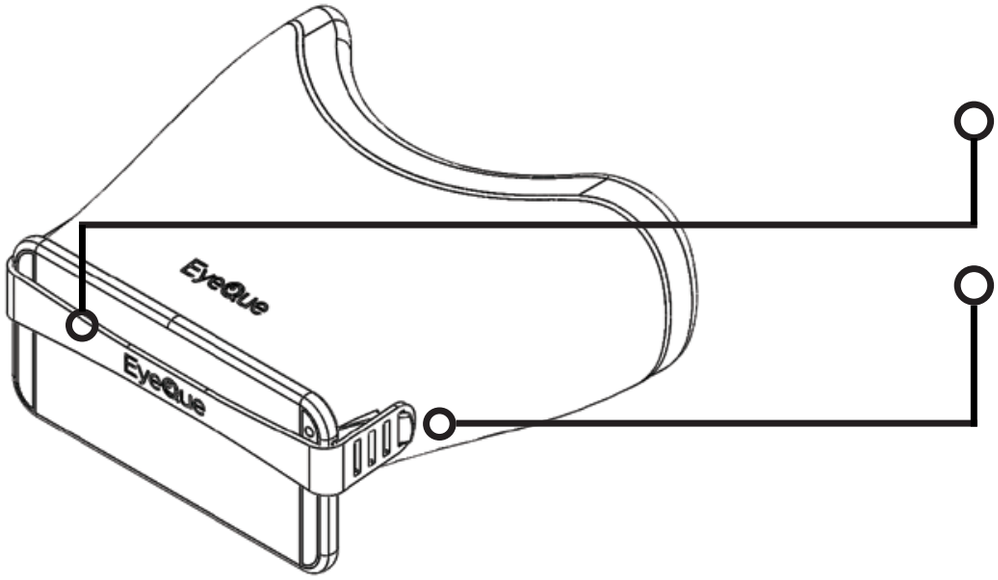
Controller Holder.....Page 33



Soft contoured padding for a comfortable fit

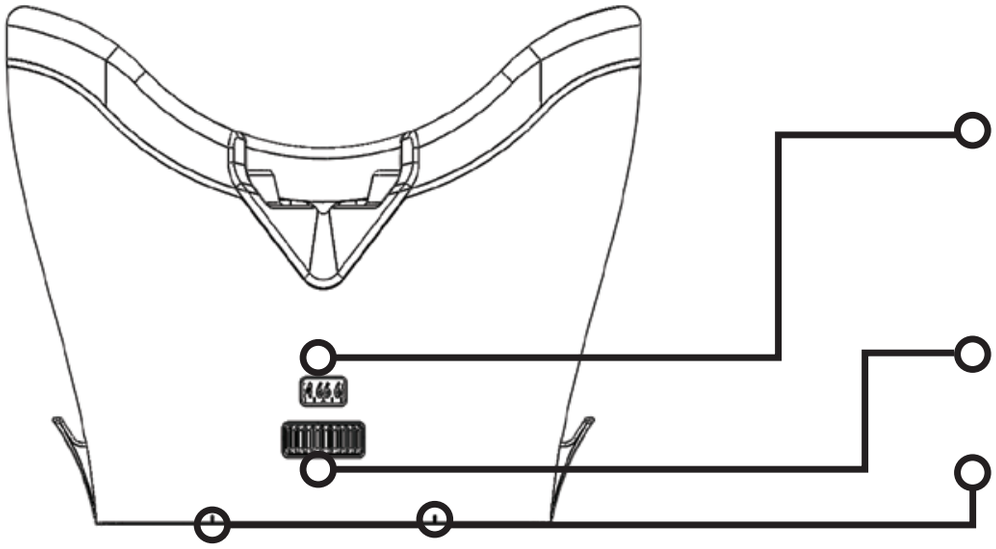
The EyeQue logo indicates that this is the “top” of the goggles

Protective cover to prevent dust; remove before use



Silicone elastic band to secure your smartphone during tests

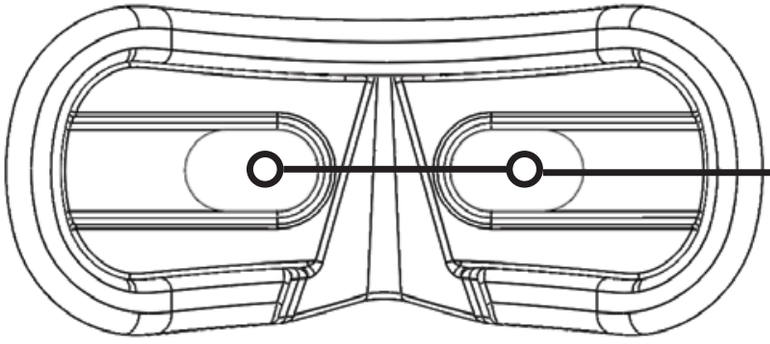
Hooks to attach the elastic band



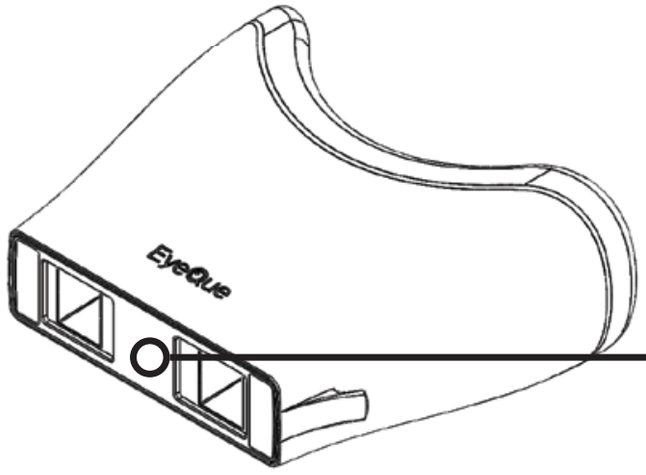
The pupillary distance (PD) screen indicates this is the “bottom” of the goggles

Adjustable PD wheel

Attachment markers



Viewing windows
Remove any clear plastic protective covers before testing



Micro-suction tape secures the goggles on the smartphone screen without causing damage or leaving residue

Technical Specifications

Dimension:	7.0 X 5.7 X 3.0 inches/ 177 X 144 X 77 mm
Weight:	7.5 oz/ 213 g
Power supply:	None
Finish:	Glossy White
Operating temperature:	32° to 95° F (0° to 35° C)
Storage temperature:	-4° to 113° F (20° to 45° C)
Relative humidity:	5% to 95% non-condensing
Operating altitude:	Up to 10,000 feet (3000 m)
Phone requirement:	iOS 9.3 and up, Android 6.0 and up Screen resolution PPI >300 Screen size 4.7 inches or larger
Visual acuity range:	20/20 to 20/400

Intended Use

The EyeQue Insight is a self-administered, mobile application-driven vision screening tool that uses the light from your smartphone screen to test visual acuity, color vision, and contrast vision.

Description

Three types of tests can be administered:

Visual Acuity:

How clearly one can see.

- If the user does not have corrective lenses: results other than 20/20 (imperial, 6/6 in metric) may indicate the need for vision correction.
- If the user wears corrective lenses: the test can be conducted while the user is wearing the corrective lenses to check if their vision correction may need to be updated.

Color Vision:
Ability to visually detect differences among certain colors.

Contrast:
Ability to visually distinguish between increments of light versus dark.

EyeQue results are safely stored in the cloud. The results from the Insight tests are tracked over time. You may choose to discuss the results with your eye care professional.

Note:
Personal vision testing does not replace the need for an annual eye health exam.

For ages 6 years or older. Children under 18 years of age should use the EyeQue Insight with adult supervision.

Getting started

Download the app and complete your account activation process

1. Download the **EyeQue Insight** app from the Google Play or the Apple App store.
2. Launch the app and register for an account. If you already have an EyeQue account, sign into your existing account.
3. Locate the serial activation number on the inside of the Insight device and enter when prompted.
4. Complete your account activation process.

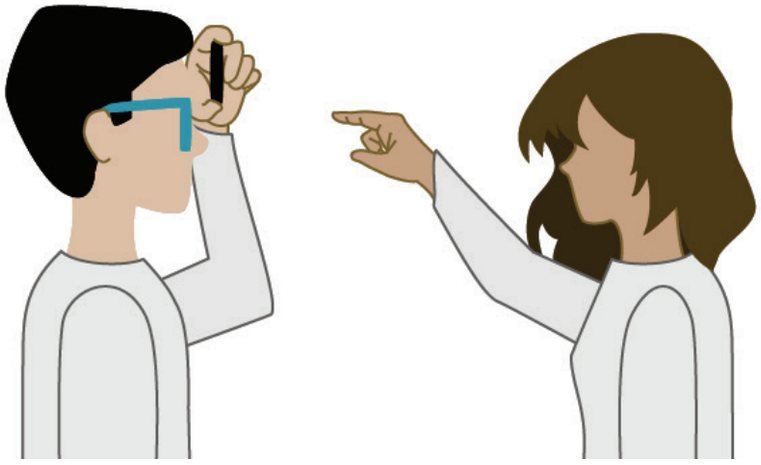
Testing with your EyeQue Insight

1. Select the “Test” icon.
2. Choose the test to conduct: Visual Acuity, Color, or Contrast:
    - “Tutorial” provides an interactive animation that guides you through the test.
3. Enter your pupillary distance.
    - See page 9 on “how to measure your pupillary distance”.

4. Move the adjustable pupillary distance (PD) wheel under the Insight device until your PD value on the wheel matches the middle pointer.
5. Select whether you will test with or without the EyeQue Remote Control.
    - If you test with the remote control, pair it within the Insight app when prompted.
6. Select whether you will test with or without the Head Mount.
    - If you test with a head mount, insert your device in the head mount and attach the phone holder. See page 22 for instructions.
    - If you do not test with additional accessories, attach your smartphone to the device and secure it with the elastic band. See page 11 on “How to attach the Insight device to your smartphone”.
7. Select whether you will be taking the test with or without glasses or contacts.
8. Confirm your device is attached to your smartphone and begin testing.

Measure your Pupillary Distance (PD)

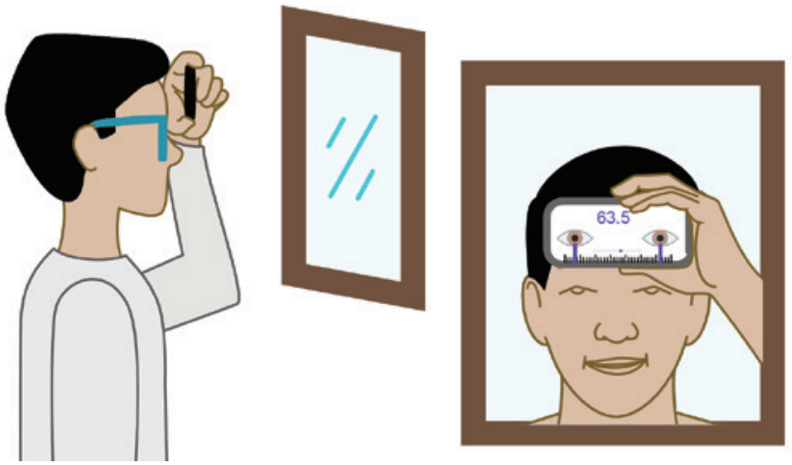
1. To measure pupillary distance, place the back of the smartphone on the user's forehead, just above the eyebrows.



2. Slide the purple dot to align the lines on screen with the user's pupils.

3. For an accurate measurement of PD, ensure the user focuses on a distant object.

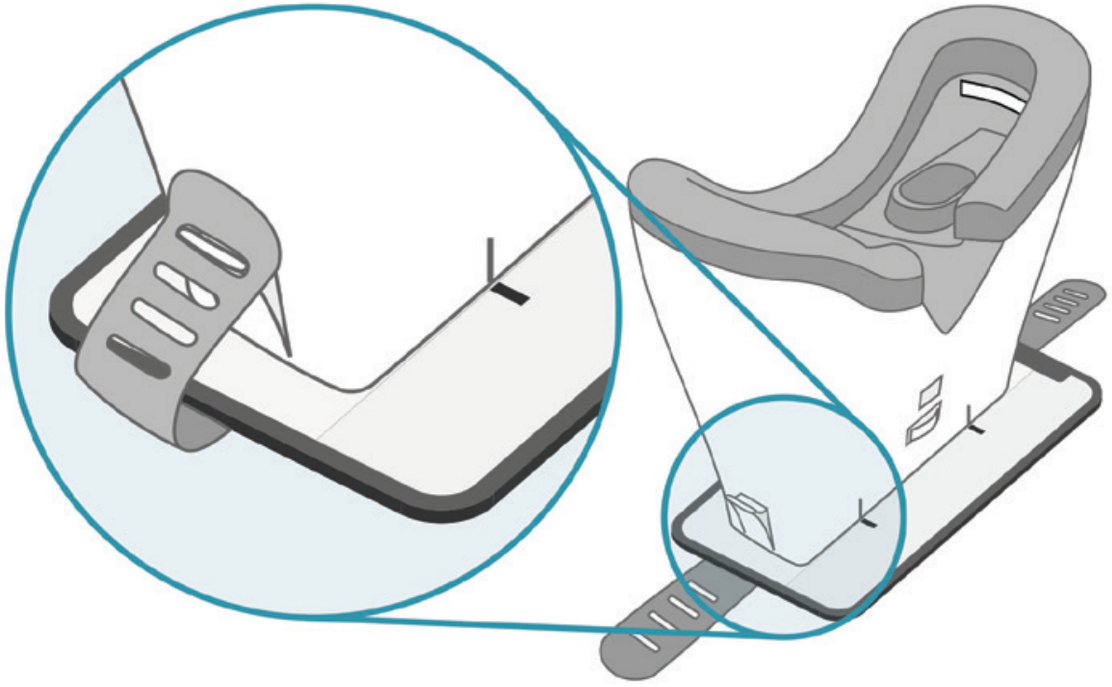
4. For self-measurement of PD, follow the same steps facing a mirror.



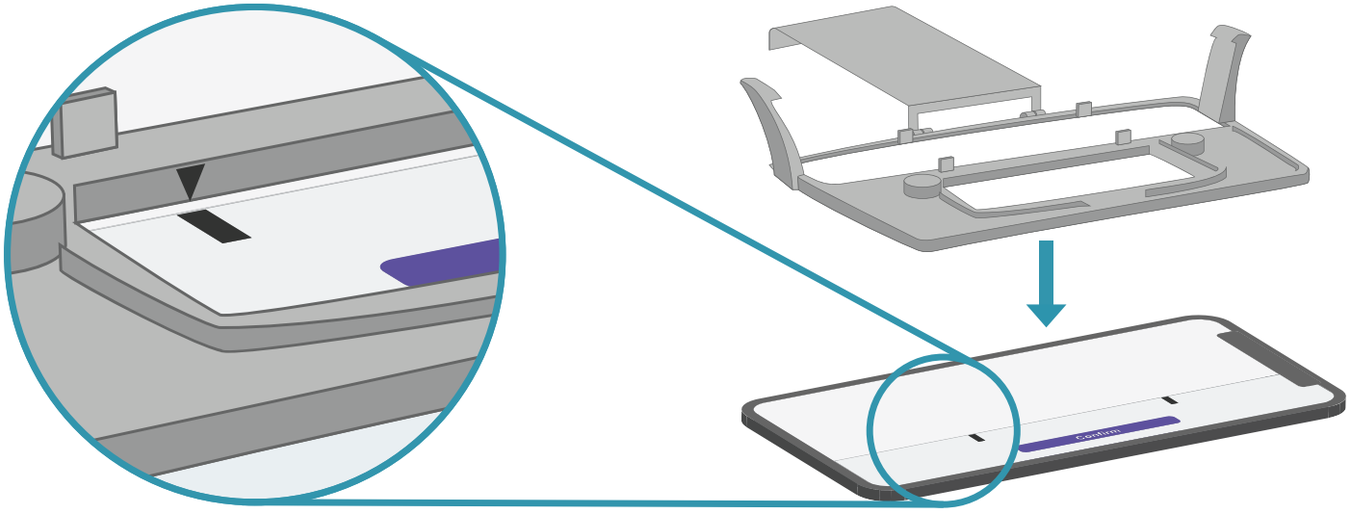
Your PD value will be saved for future tests.

How to attach the Insight device to your smartphone

Align the attachment marker lines near the PD wheel of the Insight device with the marker lines on your phone screen.



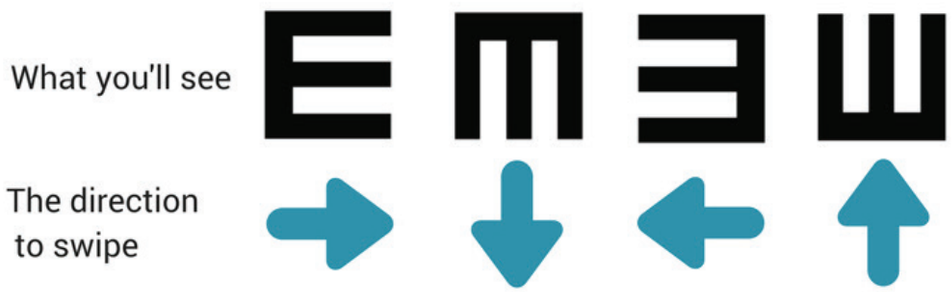
If using the a head mount, align the arrows on the phone holder to the marker lines on your phone screen.



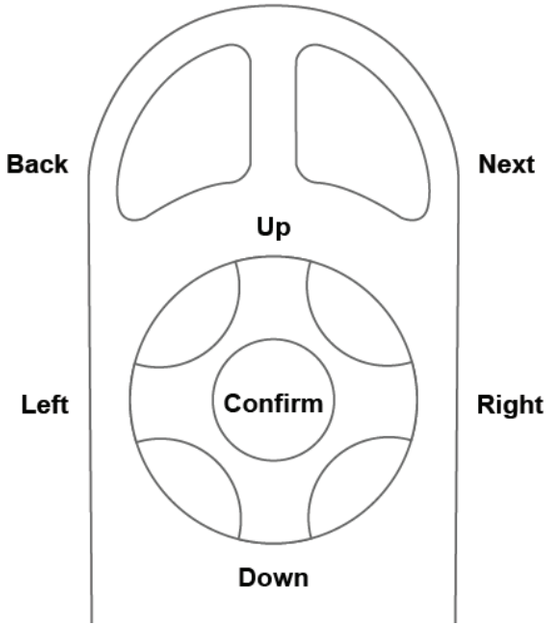
General Testing Procedures

The following will apply to all tests with the EyeQue Insight

1. Look through the Insight device.
    - Swipe in the direction of the closed end toward the open end of the letter “E” displayed on the screen on the exposed portion of the smartphone screen.



- If using the remote control, click in the direction of the open end of the letter “E”.



2. When multiple “E’s” appear: Identify the direction of the letter "E" with a dot (.) under it.
3. DO NOT SQUINT during the test even if the letters aren’t clear to you; just guess!
4. If you make a mistake, double tap the phone screen, or click the back button on the remote control, to go back one step.
5. Continue until you see the word “End”. The app will automatically test the right eye, left eye, then both eyes.
6. Once complete, select finish to immediately review your results.
    - Pressing “finish” will save your test results.
    - To delete your results, go to your dashboard.
7. Leave the Insight device attached to your smartphone to start another test or detach the device and return to the app dashboard.
8. Results are also saved to your membership account and can be viewed by signing into eyeque.com.

Visual Acuity

- In this test the “E” image will be shown in various sizes.
- The EyeQue Insight will simulate the reading of an eyechart at 20 ft (6 meters).
- Use with or without corrective lenses (contacts or glasses).
    a. When used while wearing corrective lenses, you can determine if your distance glasses or contacts need to be updated.
    b. If you do not wear corrective lenses, you can use the Insight to determine if you may need contacts or glasses for distance vision.
    c. If you currently wear corrective lenses, you can test without them on to determine your uncorrected distance vision.

NOTE: If the country you live in does not use the imperial 20/20 system, click on “Unit Scale” and select the unit system you use, including Metric (6/6 or 4/4), Decimal (10/10 or 1.0), or logMar (0.0).

Color Vision

- In this test the “E” image will be represented as colored dots among dots of various colors.
- Each “E” will be shown one at a time and will be approximately the same size.
- If you use corrective lenses, you should wear them while conducting this test.

Contrast

- The “E” image will be represented in varying intensities of black and grey.
- Several “E’s” will be shown at a time, each approximately the same size.
- If you use corrective lenses, you should wear them while conducting this test.

Results

The results from the Insight tests are tracked over time under individual profiles. You may choose to discuss the results with your eye care professional.

Multiple Users

One device can be shared by several users.

Since user results are saved, each user must have separate profiles within the app in order to properly track results over time.

To create a new profile:

- Launch the app.
- Select “profiles” in the lower navigation tab.
- Select and fill in the profile information. Choose an avatar for each user.

All test data and vision information will be hosted under individual profiles.

- To view vision information over time, select the profile menu in the “profiles” tab.
- To test users with existing profiles, select the “test” tab, then select the profile name
- Test results cannot be moved between profiles.

Note

Between users, clean the padding that is in contact with the face with rubbing alcohol. Remove and/or allow the rubbing alcohol residue to evaporate before bringing the device to the face.

Contraindications

The device should not be shared with users that are known to have, or exhibit signs or symptoms of, an eye infection.

Safety Warning:

Visual Acuity, Color Vision, and Contrast testing with the EyeQue Insight present minimal risks. While using EyeQue products to personally measure and track vision has the benefit of detecting changes between regular eye exams, it does not replace a comprehensive eye exam that evaluates ocular health or binocularity. EyeQue urges people to visit a doctor annually for a full eye health exam.

For ages 6 years or older.
Children under 18 years of age should use the EyeQue Insight with adult supervision.

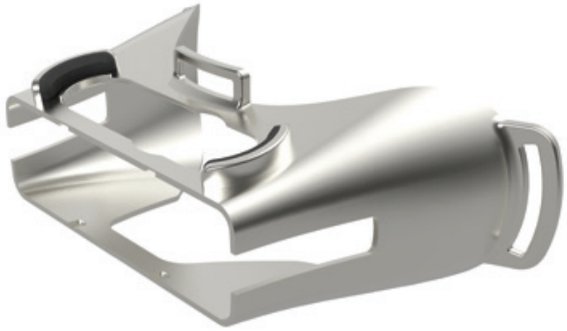
Warranty Information

Your EyeQue Insight purchase comes with a 30-day money back guarantee and a limited 1-year parts and labor warranty. Proof of purchase from an authorized seller (EyeQue.com, Amazon Inc. on Amazon, EyeQue on Amazon, Kickstarter, Indiegogo, HSN, and BestBuy.com) and serial activation number are required for processing.

Please visit our website at www.eyeque.com/support/ for Frequently Asked Questions and additional product information.

Please email us at support@EyeQue.com with any questions.

Insight Plus Accessories



The EyeQue Insight Head Mount allows you use your Insight vision screener hands free. Lightweight, easy to use, versatile, and one-size-fits-all.

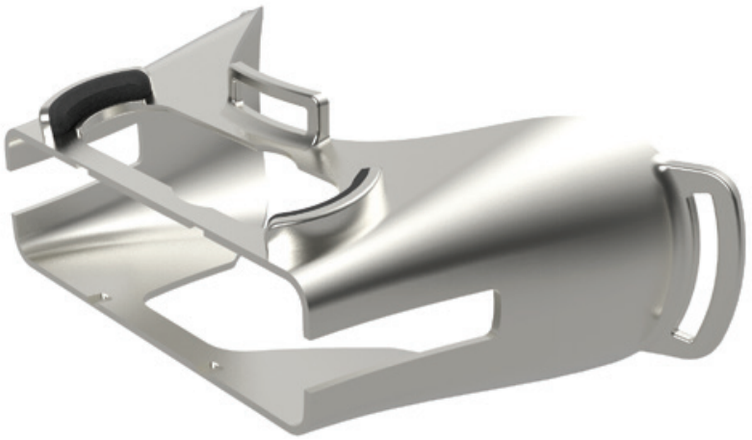
The EyeQue Remote Control is Bluetooth enabled to allow for an intuitive test-taking experience.

The EyeQue Controller Holder is a lightweight and ergonomic shell that allows you to use the Remote Control with both hands.

Head Mount

Components

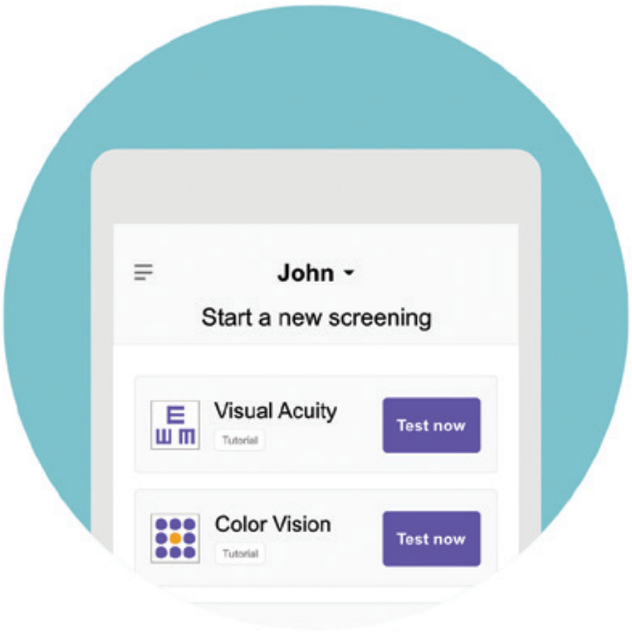
Phone Holder



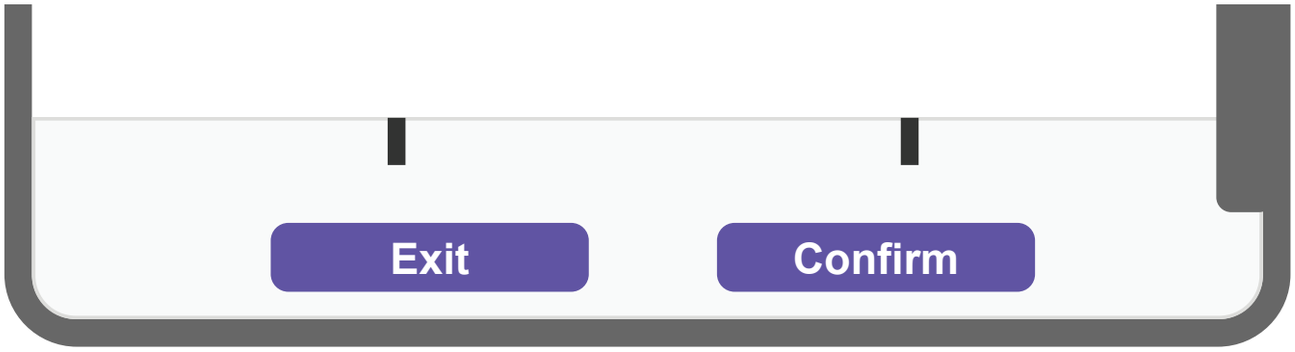
Head Mount

Strap

Get Started

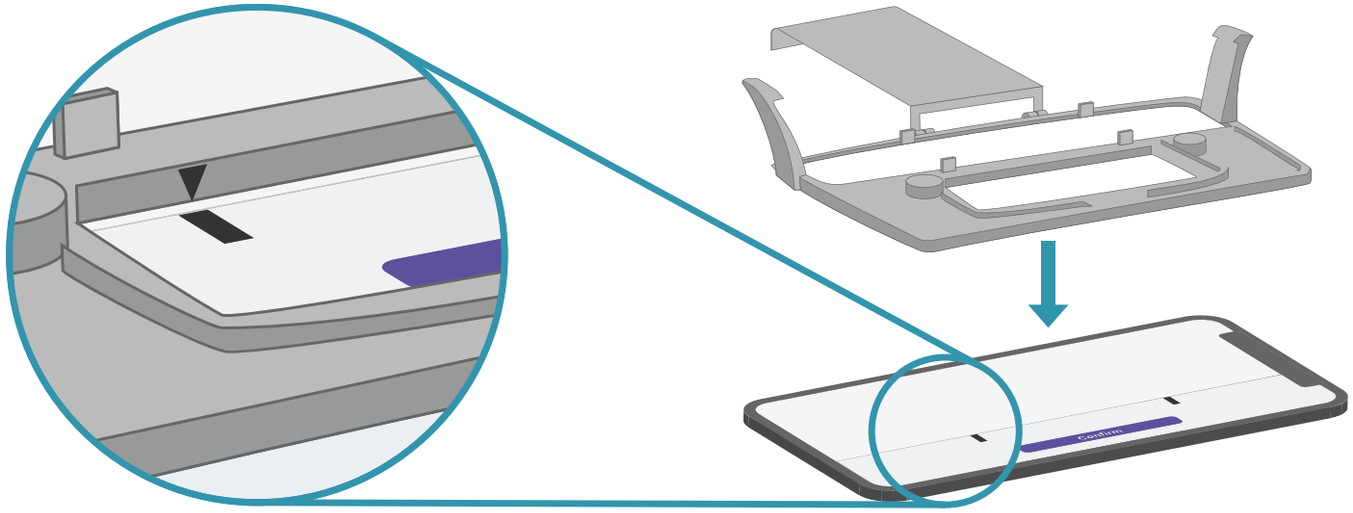


Start Test

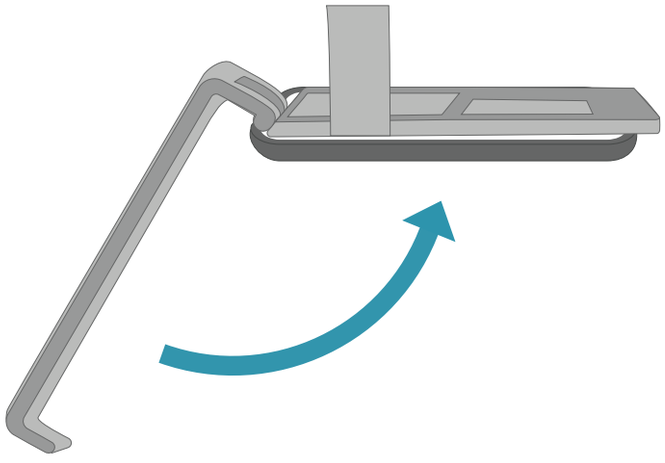


Once you've reached this screen continue on page 23

Align & Secure Phone

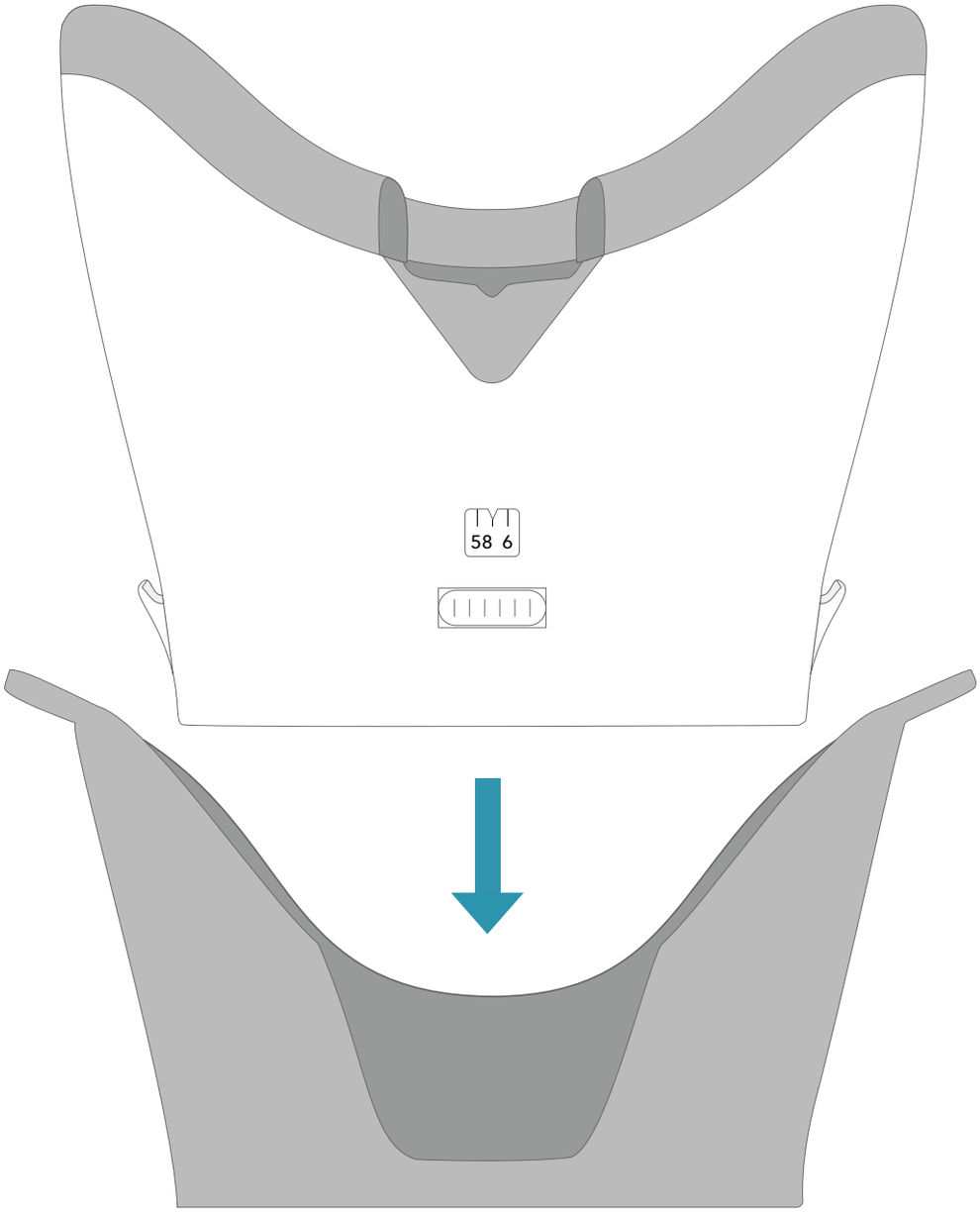


Align Phone Holder to your phone screen

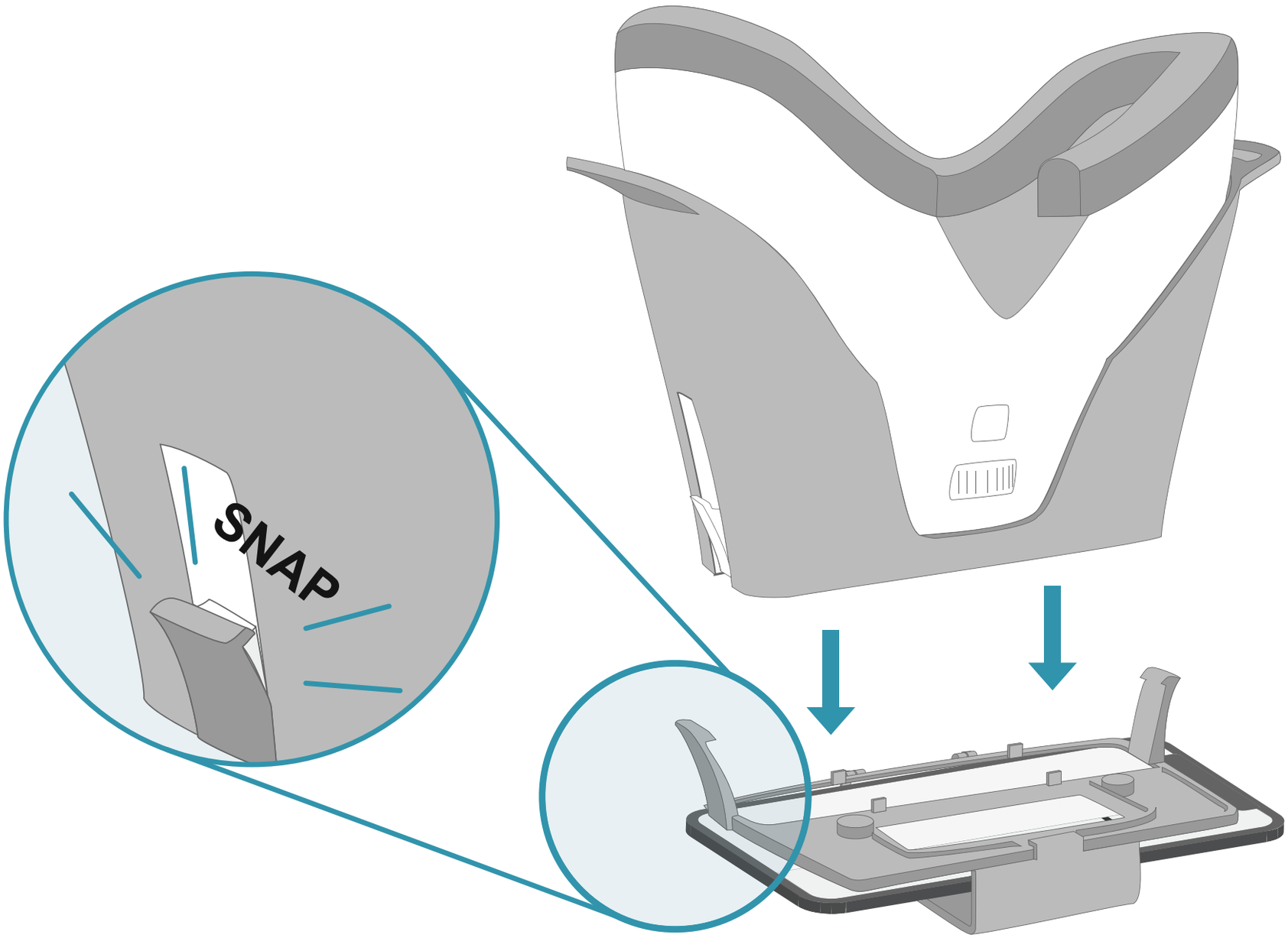


Click to secure phone

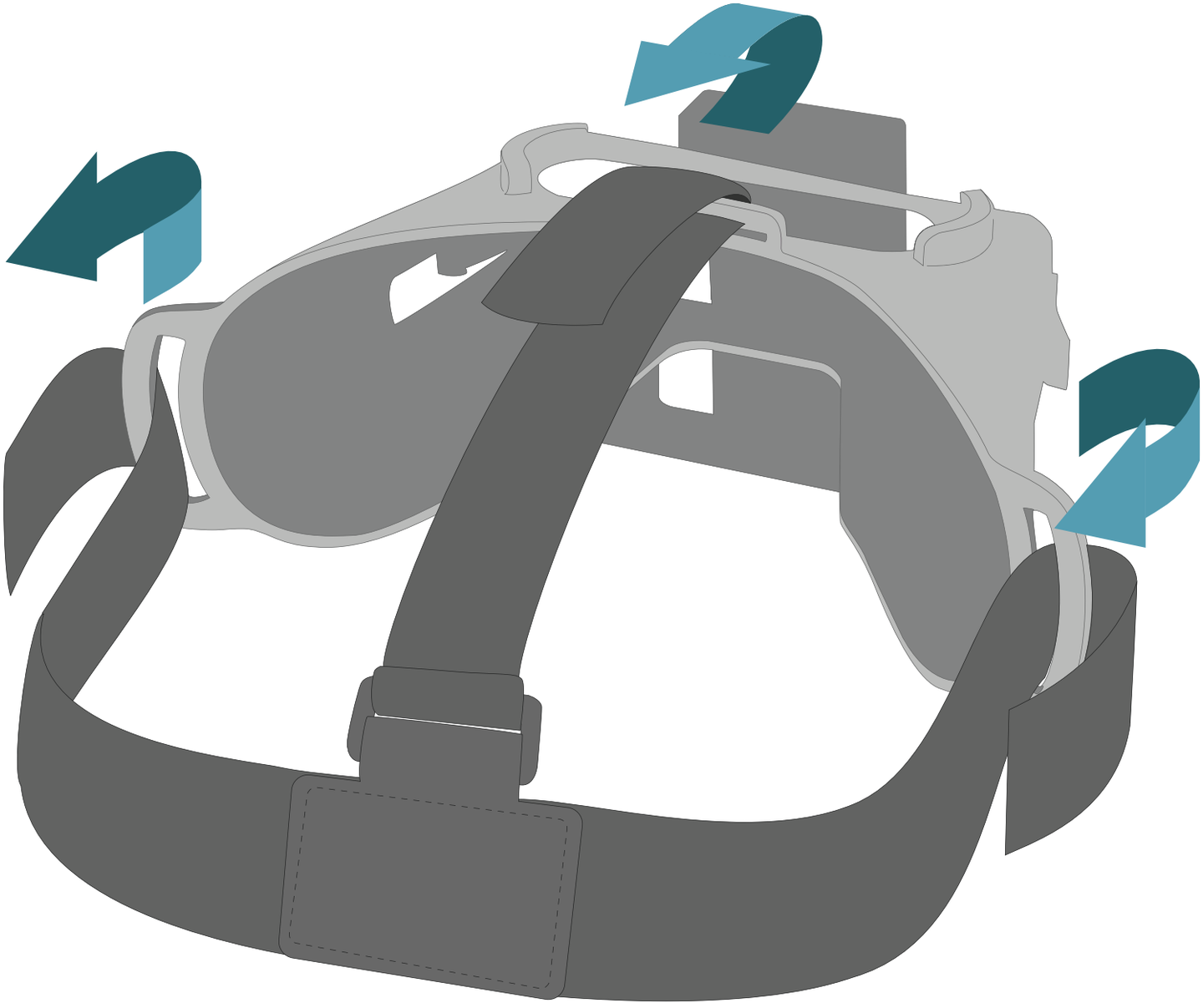
Slide Insight to Head Mount



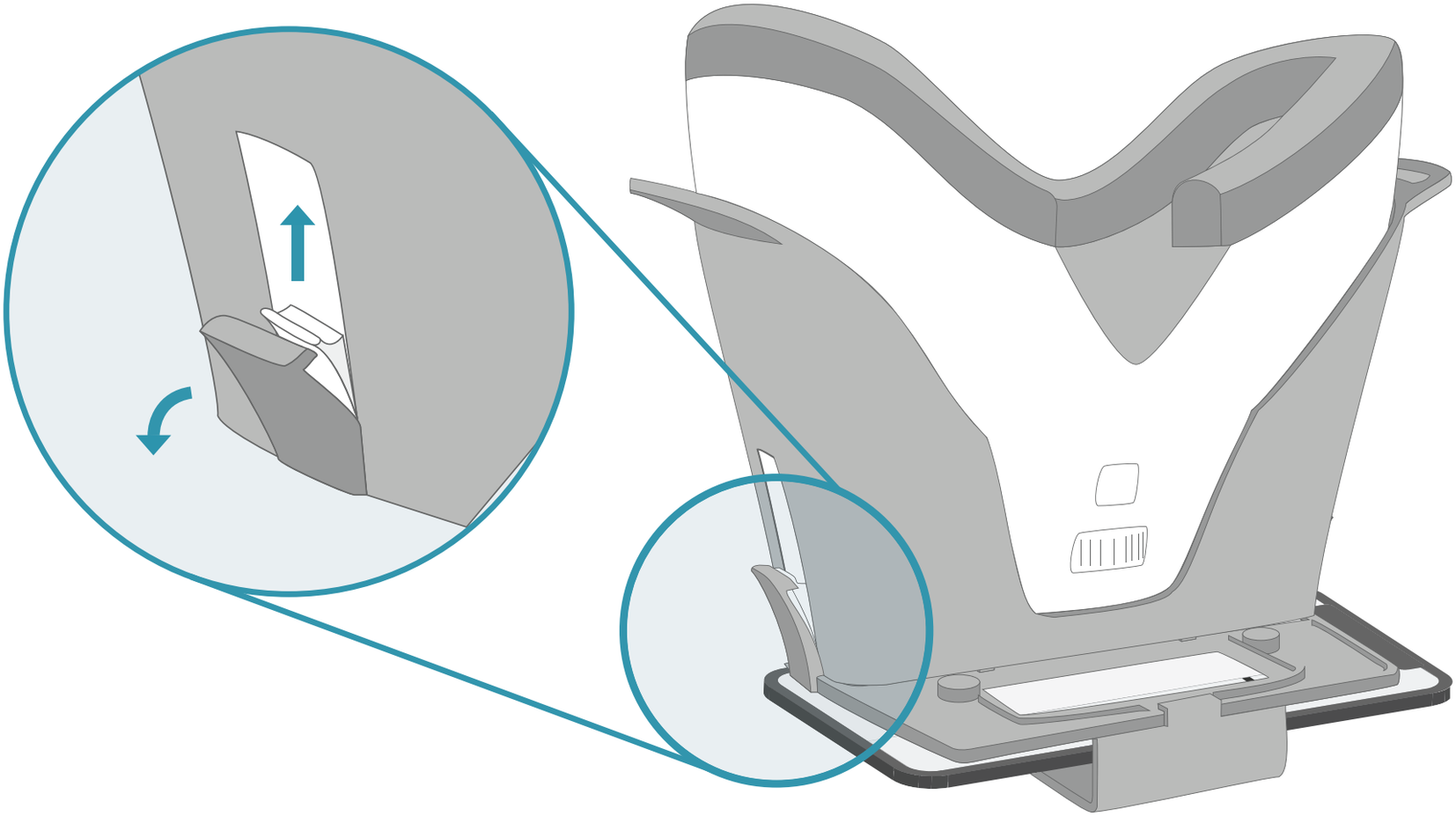
Connect to Phone Holder



Secure Straps



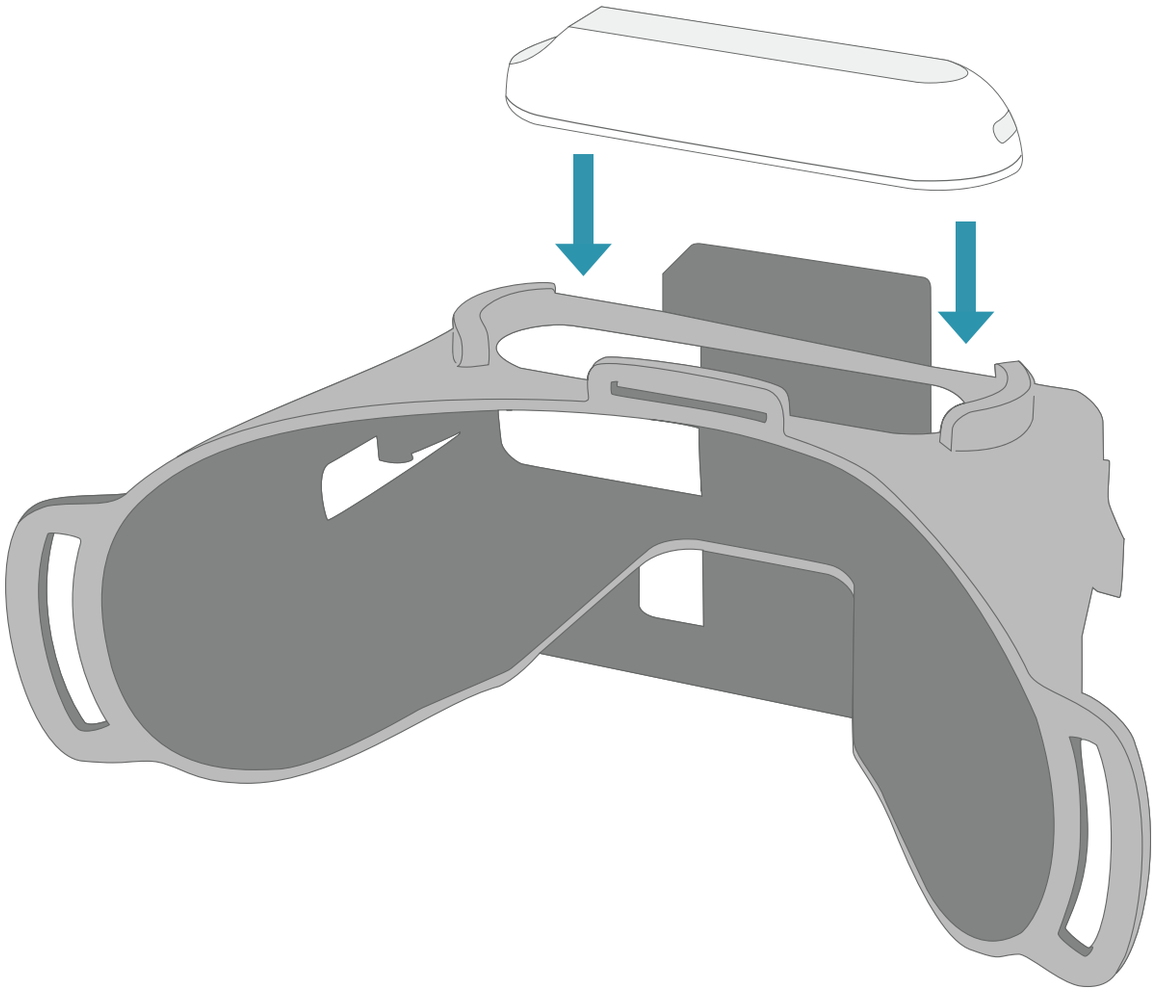
Removal



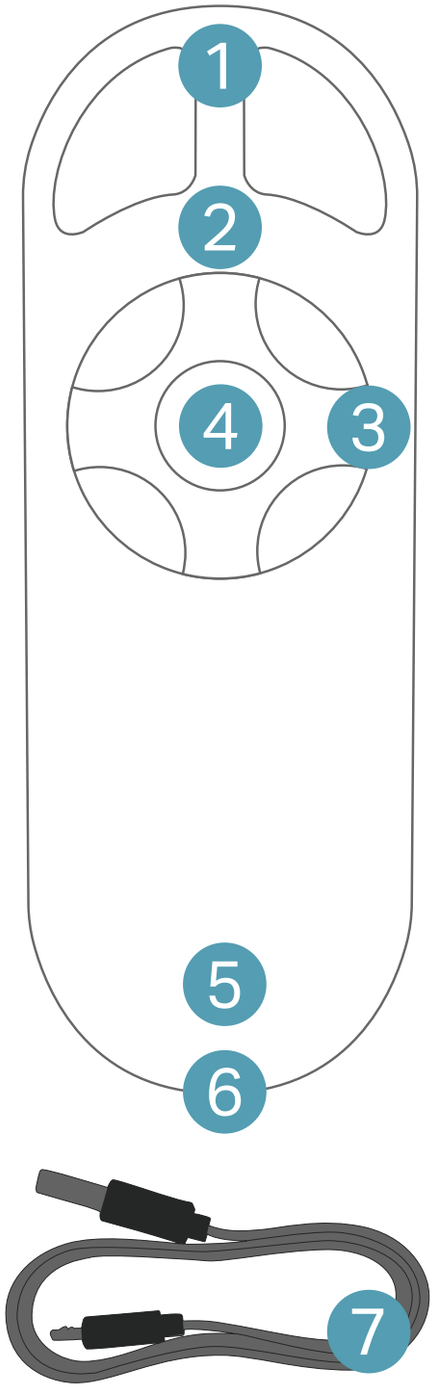
To Clean

Wipe the surface with a soft, slightly dampened cloth. Do not use soap or any cleaning agent.

Remote Control Placement



Remote Control



1. Back and next buttons
2. Bluetooth indicator
3. Direction buttons
4. Confirm/Select
5. Battery Indicator
6. On/Off Switch
7. Charging cable

Charging

- Charge the device using the micro USB cable provided (USB wall charger not included).
- LED on the battery indicator turns red while connected to a power source.

Safety

- This device contains a Lithium-ion battery.
- Do not discard in trash.
- Do not expose to high heat or incinerate.
- Do not charge in high temperatures.
- This device should be disposed of in accordance with your local rules and regulations.

To Use

- Turn on the Remote Control by using the on/off button.
- Bluetooth indicator light will blink blue indicating that the device is ready to be paired.

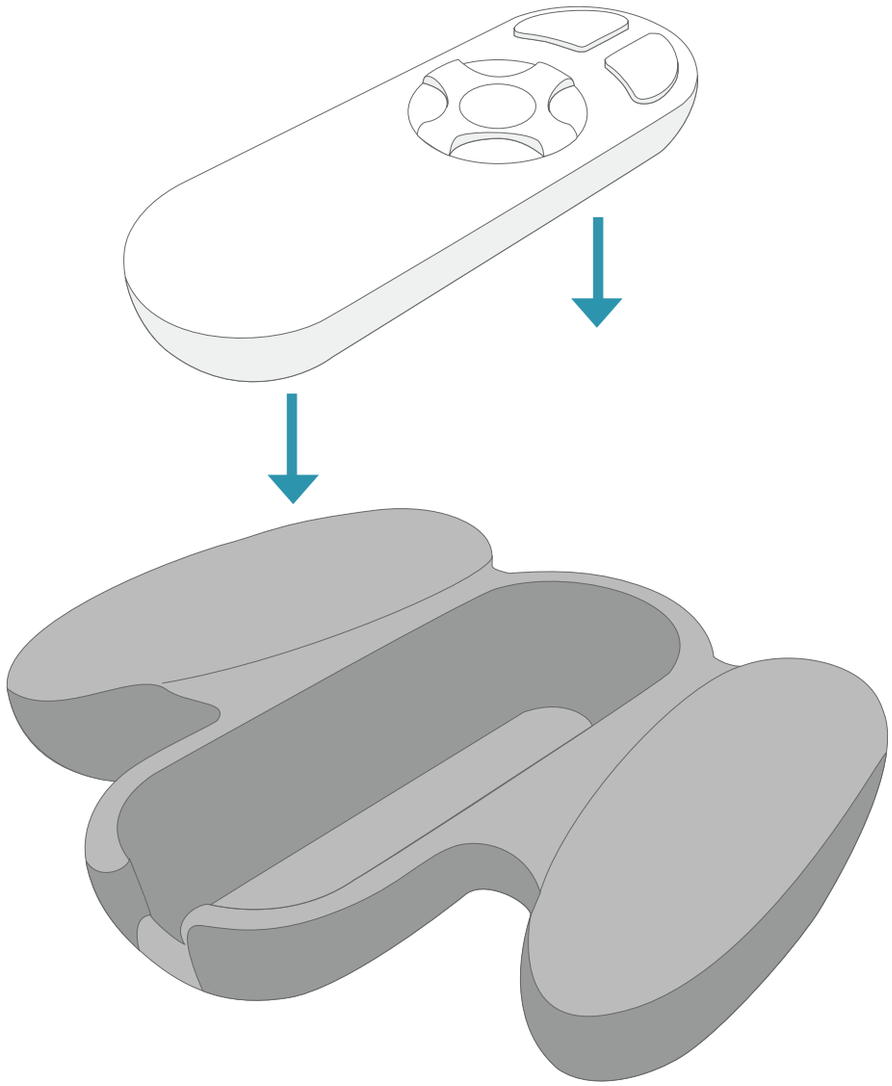
- Follow app instructions. The app will look for the Remote Control for up to 30 seconds. **DO NOT** pair using phone settings.
- Once the app discovers the Remote Control, it will pair automatically.
- The blinking blue light will remain solid when paired.

To Clean

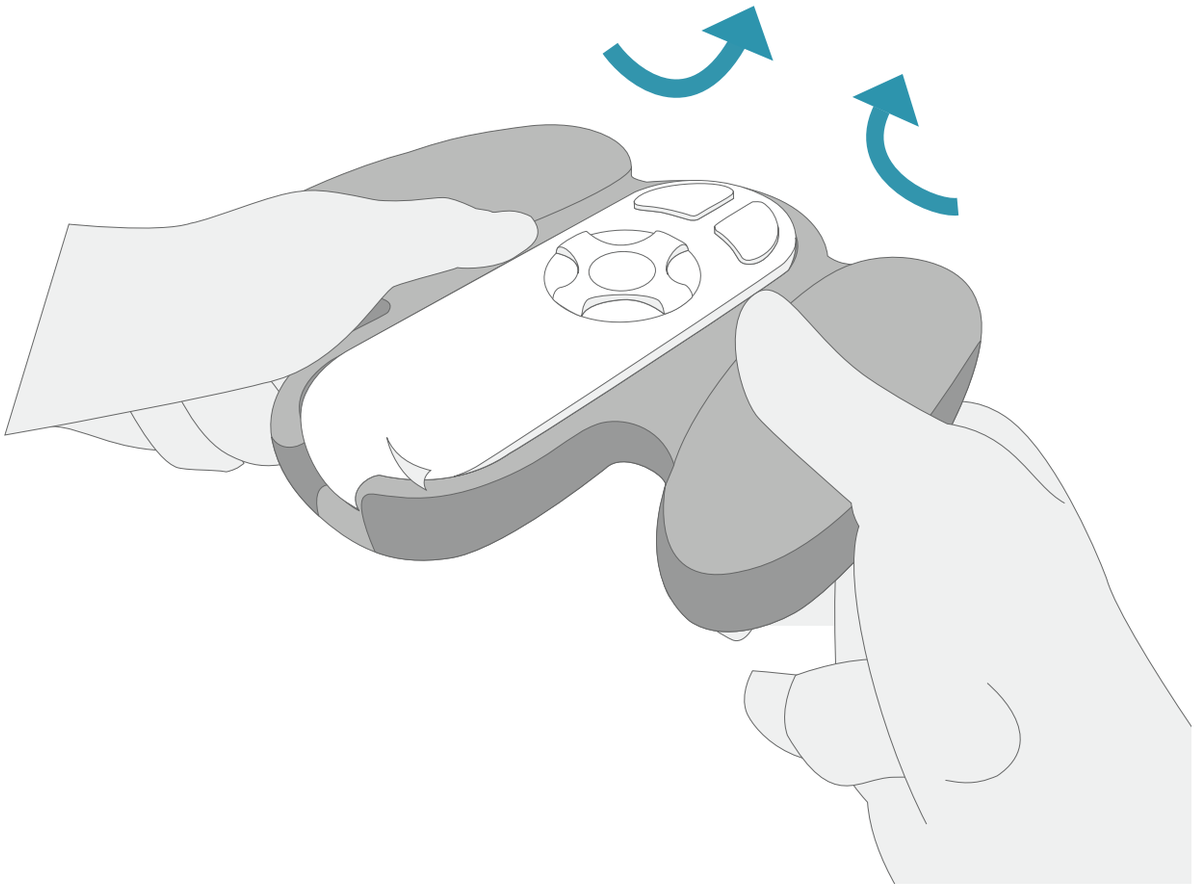
- To clean, wipe the surface with a soft, dry cloth. Disinfect regularly with rubbing alcohol. Do not use soap or submerge in water.

Control Holder

Insert Remote Control



Remove Remote Control



To Clean

Wipe the surface with a soft, slightly dampened cloth. Do not use soap or any cleaning agent.

EyeQue®

at-home vision tests

Made in Taiwan
Manufactured for EyeQue Corp.
39608 Eureka Drive, Newark CA 94560

P/N: 180-617-08