

EyeQue
Insight Plus®
Vision Screener



Product Manual
Model: VA102

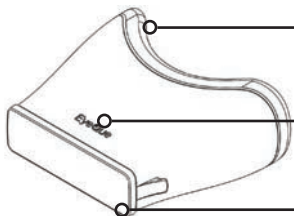
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Insight Plus Accessories

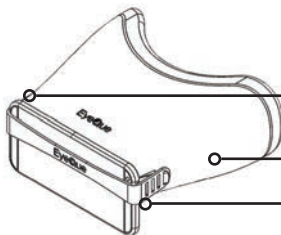
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Soft contour padding for a comfortable fit

The EyeQue logo indicates that this is the "top" of the goggles

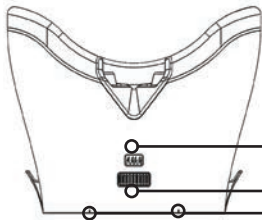
Protective cover to prevent dust; remove before use



Silicone elastic band to secure your smartphone during tests

Hooks to attach the elastic band

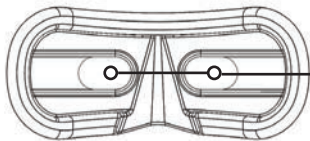
Attach your smartphone when prompted in app



The PD screen indicates this is the "bottom" of the goggles

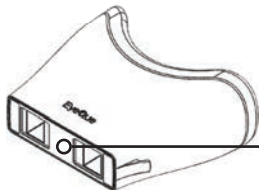
Adjustable PD wheel

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, and active EyeQue free Basic Membership
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

The EyeQue Insight is a self-administered vision screening device that uses the light from your smartphone screen. 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 Deficiency Test:

Ability to visually detect differences among certain colors.

Contrast Sensitivity Test:

Ability to visually distinguish between increments of light versus dark (contrast).

EyeQue results are safely stored in the cloud. The results from the Insight tests can be tracked over time, changes noted, and presented to your eyecare professional. Findings that are not considered normal should be discussed with your eyecare 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 Deficiency, or Contrast Sensitivity test
 - "Tutorial" provides an informational video or lets you try out the test before beginning.
3. Measure your pupillary distance.
 - Adjust your pupillary distance wheel based on

pupillary distance estimate displayed in the app or from your prescription.

4. Select whether you will test with or without the EyeQue Remote Control.
 - If you test with the Remote Control, pair it within the app when prompted.
5. 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.
 - if you do not test with additional accessories, attach your smartphone to the device and secure it with the elastic band.
6. Select whether you will be taking the test with or without glasses or contacts.
7. Confirm your device is attached to your smartphone and begin testing.

Measure your Pupillary Distance (PD)

1. To measure the PD for someone else, place the back of the smartphone on the users forehead, just above the eyebrows.



2. Slide the purple dot to align the lines on screen with the users 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

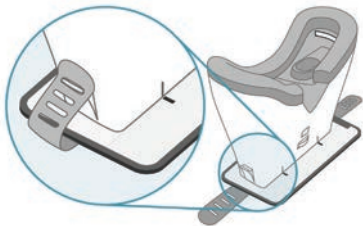


Your PD value will be saved for future tests.

How to attach the Insight device to your smartphone

1. Remove the Insight device from its box and remove the cover under the EyeQue logo.
2. Remove any clear protective covers on the inside lenses of the Insight device.
3. Move the adjustable PD wheel under the Insight device until your PD value on the wheel matches the middle pointer. Press "Next".
4. Select whether the user will test with or without any accessories (head mount and phone holder).
 - a. if you test with a head mount, insert your device in the head mount and attach the phone holder.
 - b. if you do not test with additional accessories, attach your smartphone to the device and secure it with the elastic band.

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



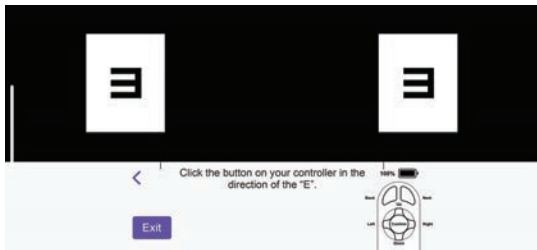
General Testing Procedures

The following will apply to all tests with the EyeQue Insight

- Look through the Insight device.
 - Swipe in the direction 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 letter “E”.



2. When multiple “E’s” appear: Identify the direction of the letter “E” with a dot under it.
3. DO NOTSQUINT during the test even if the letters aren’t clear to you; just guess!
4. If you make a mistake, double tap the back button on the remote control.
5. Continue until you see the word “End”. The app will automatically test the right eye, then left eye, then both eyes.

6. Once complete, select finish to immediately review your 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 Test

- 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 Log Mar (0.0).

Color Deficiency Test

- 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 Sensitivity Test

- 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


- Any results should be discussed with your eyecare professional for additional assessment.

Multiple Users

One device can be shared by several users.

Since user results are saved, each user must create 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 Deficiency and Contrast Sensitivity 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.

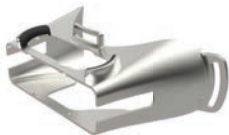
Warranty Information

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.eyequ.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. Light-weight, 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.

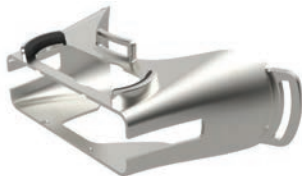
Head Mount



Components



Phone Holder



Head Mount



Strap

Get Started

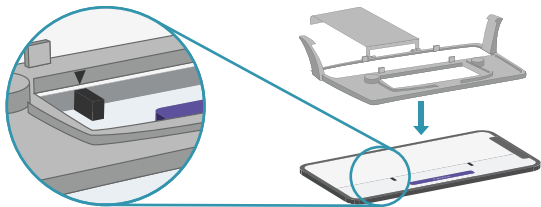


Start Test

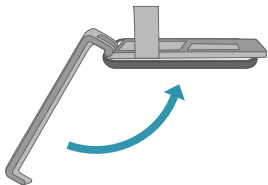


Once you've reached this screen continue on page 23

Align & Secure Phone

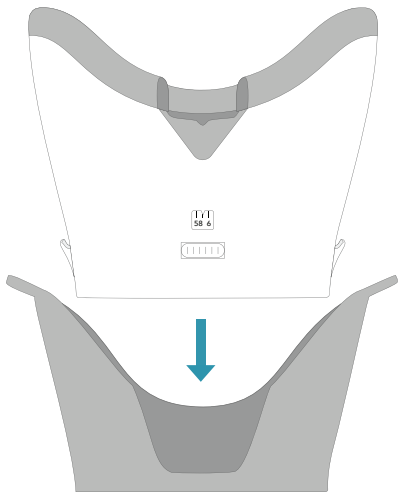


Align Phone Holder to your phone screen

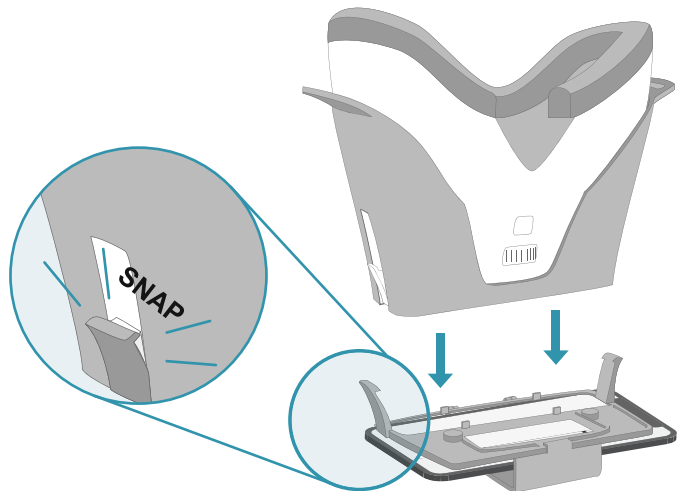


Click to secure phone

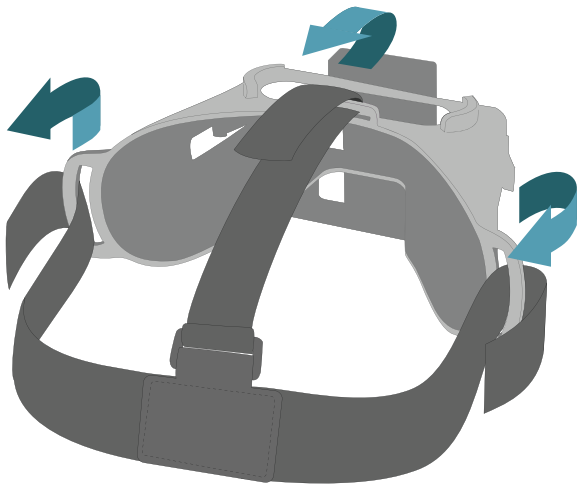
Slide Insight to Head Mount



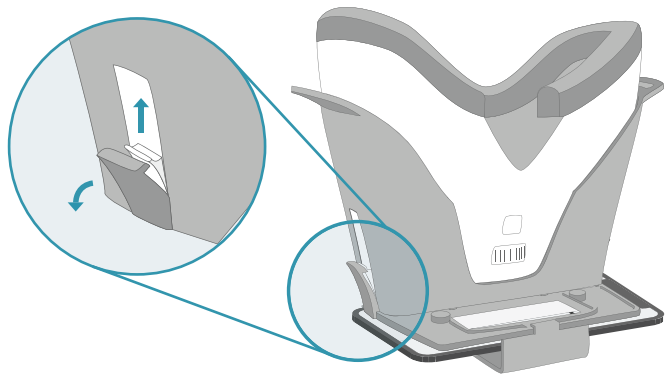
Connect to Phone Holder



Secure Straps



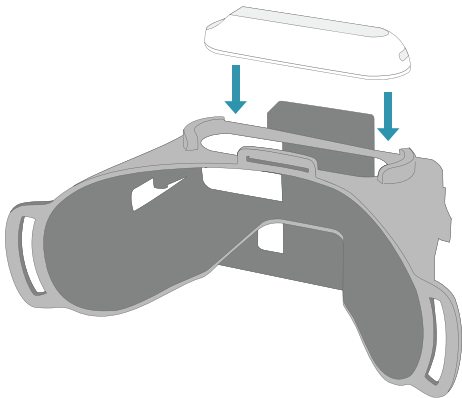
Removal



Cleaning

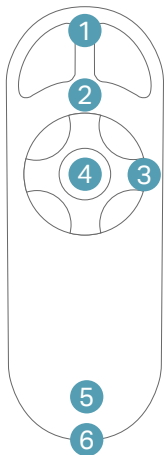
Wipe the surface with a soft, slightly dampened cloth. Do not use soap or any cleaning agent.

Remote Control Placement



Remote Control





1 Back and forward buttons

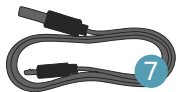
2 Bluetooth indicator

3 Direction buttons

4 Confirm/Select

5 Battery Indicator

6 On/Off Switch



7 USB to USB-C 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.
- LED on the power button turns off once fully charged.

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

- Works with EyeQue product apps. DO NOT pair using phone settings.
- 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.

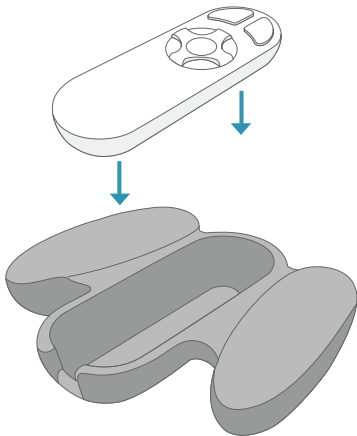
- Follow app instructions. The app will look for the Remote Control for up to 30 seconds.
- Once the app discovers the Remote Control, it will pair automatically.
- The blinking blue light will remain solid when paired.

To Clean

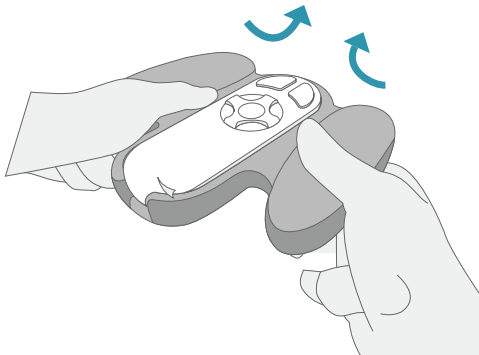
- To clean, wipe the surface with a soft, dry cloth. Disinfect regularly with rubbing alcohol. Do not use soap or submerge in water.

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.



Made in Taiwan
Manufactured for EyeQue Corp.
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P/N: 180-617-08