

TITAN EYEX

User Guide



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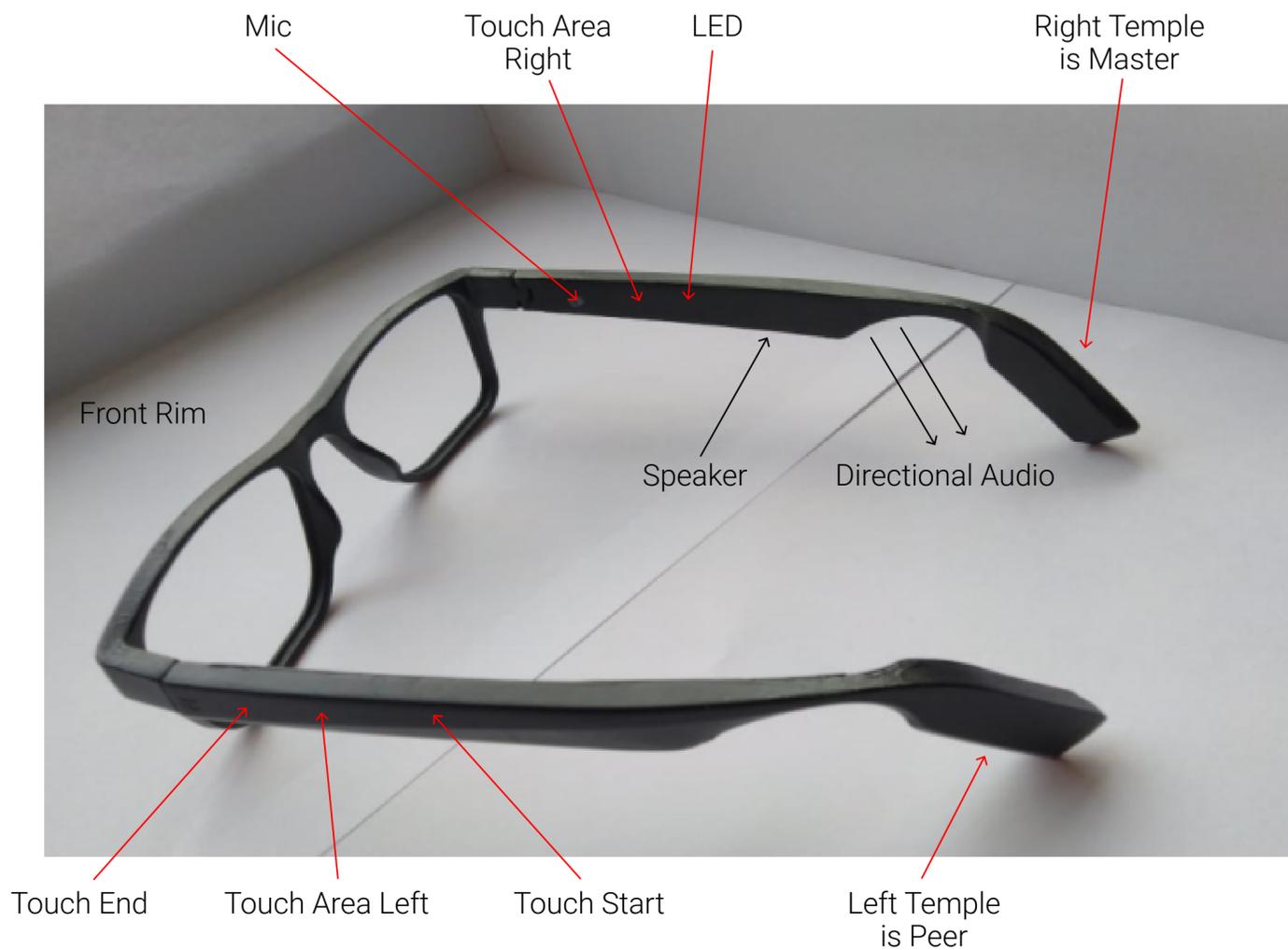
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Note: This manual covers the new swipe-touch-based functions and manual connection, starting with software version 2.1.0. Please refer to the old manual for functions using the old touch and auto wake-up connections before this version.

Getting Started

Warning

The device plastics are fully sealed for waterproofing. Any attempt to tamper will void the warranty.



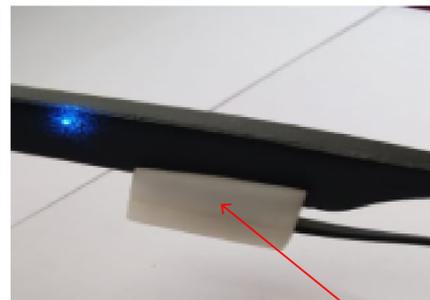
Charging

Charge the unit before first-time use. A full charge takes about two hours.

A charger cable with a magnetic pogo pin is used for charging. The charger comes with a Y-Split cable with two connectors having left and right indications. Connect the connectors to the temples (right and left).

Blue LED indicates that the device is charging.

Upon charge completion, the LED turns green.



Direction of the connector with the cable running towards the back

Please note that EyeX is not usable during charging. The device disconnects from the phone during charging and reconnects upon removing the charger.

Getting Started

The right temple is the master device that connects to the phone and has a built-in mic. The left temple is the peer device that connects to the master and gets audio from the master.

Touch Input:

The touch start and end areas are shown below. With each swipe of the touch area, you will hear the haptic sound of clicking (in some modes, you will hear a ding sound instead of clicking).



Power On the Device

Power On:

Swipe forward on the touch area of the right temple and the left temple. If prompted to swipe again, please do so. Note that if the device is powering on from an upside-down position, it will power on with just a touch also.

The temples will boot up and announce that the device is powering on. Both temples (master and peer) have to be powered on individually. This operation is needed only when the device is in a powered-off state.

During power on, there will be a 2-3 second delay in haptic click sounds from the touch swipes.

Power Off:

If the glasses are placed in an upside-down position, they will power off.

If a full power off is needed, swipe backward on the left temple. When asked to confirm, swipe backward again on the left temple to confirm the power off. The device will play "Power Off" and then shutdown.

Getting Started

Power Off Positions



Glasses placed upside down



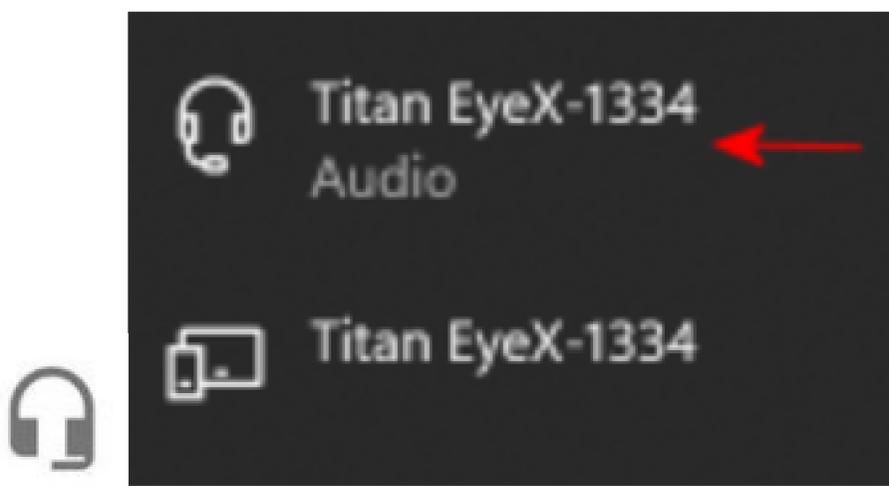
The glasses will power off in these two upside-down positions after 10 seconds. To turn it back on, pick up the glasses and touch the touch area on both temples.

Please note that the above description is for the default off state of the “Auto power on (Beta)” setting in the advanced settings. Please refer to the older manual for a description of when this setting is on.

Getting Started

Bluetooth Connection from Phone to Glasses

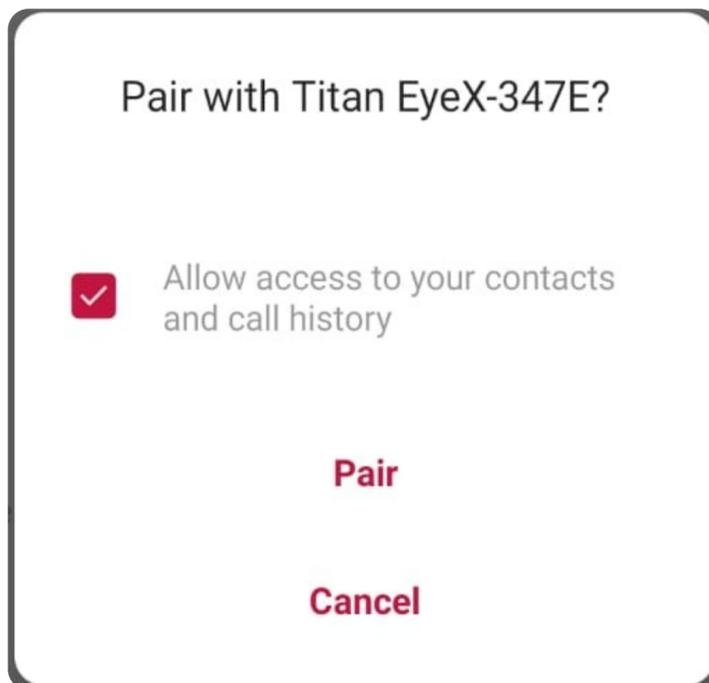
- The device is shipped in the power-off mode.
- Make sure the device is powered on.
- Make sure the blue LED on the right temple is blinking fast (once in 2 seconds). This means it is in discoverable mode. If not, you might have to factory reset the glasses (swipe backward and forward on the right temple to do this).
- Make sure that your phone's Bluetooth® is turned on.
- Go to the phone's Bluetooth menu and pair with Titan EyeX-XXXX from the available device list. If you see two devices with the same EyeX names, please connect to the device with the headset icon. Make sure the device is powered on.



Note: The headset icon represents the audio connection, and the other represents the BLE data connection. Sometimes, you will see both icons connected in the Bluetooth menu.

- On Android phones, select 'Pair' when the phone gives a Bluetooth pair request. This step is very important for a reliable Bluetooth connection (if this step is missed, the user will have to start a new Bluetooth connection by resetting the glasses to their factory settings).

Getting Started



- In iPhone, please make sure the connected EyeX device in the Bluetooth list has an "i" next to it. If this is missing, it has a bad Bluetooth connection. You need to disconnect and reconnect again. This can be done by unpairing or resetting the factory settings. Sometimes you will see two EyeX connections, one with an "i" and one without. This is normal and does not cause problems.



- Once paired, the master temple LED will blink green. An audio message will play the connection status.

Please note that you should wear or keep the frames upright during the setup process. If the frames are kept upside down, the frames will power off and not work.

Install the Phone App

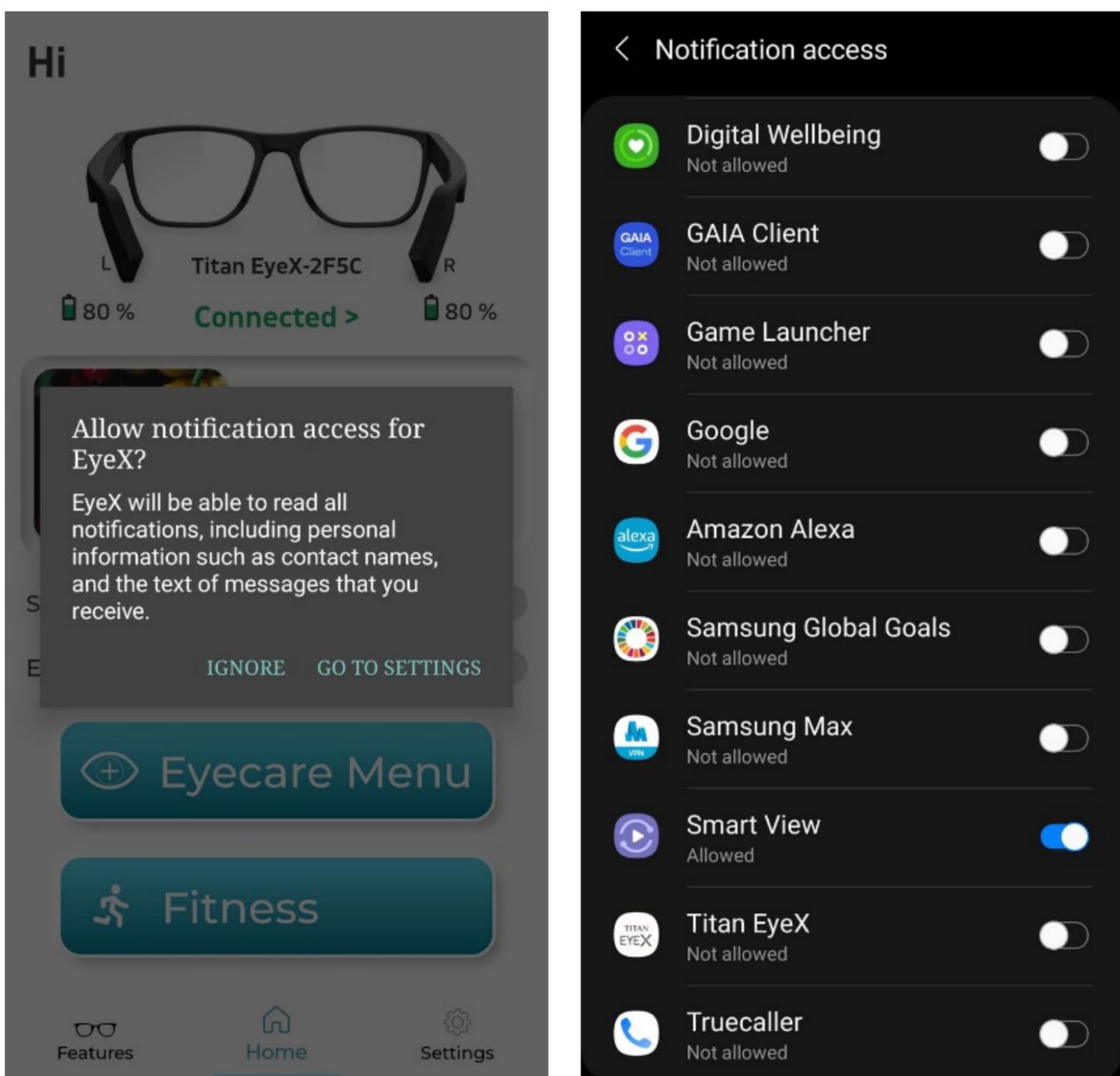
- The Titan EyeX phone companion app enables additional functions such as Fitness Tracking, Notification Reading, Finding Glasses, Reading Time and Weather, etc.
- Note: The app requires an iOS version >10.2 or an Android version >7.0.

Go to the App Store (iOS) or Play Store (Android) to download and install the Titan EyeX app on your phone.

Getting Started

Configure Glasses Using the Phone App

- Start the Titan EyeX app on the phone. Then follow the on-screen instructions to connect the app with the glasses.
- Accept requested permissions.
- When given the option, switch on accessibility for Titan EyeX and press the back button to go back to the app. This will allow the app to fetch notifications from the phone (if the back button does not go to the app, restart the Titan EyeX app).



- You have now completed your glasses setup. The rest of this guide provides information about using the device and customising it with the phone app.

Device Usage

Checking Battery Level and Connection Status

Swipe forward and backward within one second on either temple.

An audio message will play the level of the battery and connection status.

Yellow LED will blink 1-4 times, indicating the battery level of the glasses.

- One additional blink for the left temple status is indicated below:
Green LED will blink once if the peer is connected.
Red LED will blink if the peer is not connected.
- One last blink for the right temple status is indicated below:
Green LED will blink once if the phone is connected.
Red LED will blink if the phone is not connected.

At low battery, an additional audio prompt will play, "low battery please charge".

Note: If there is no LED indication, the device may be powered off. Switch on the device by swiping forward or backward. If there is still no indication, please charge the device.

Functions Supported by Default Without the App

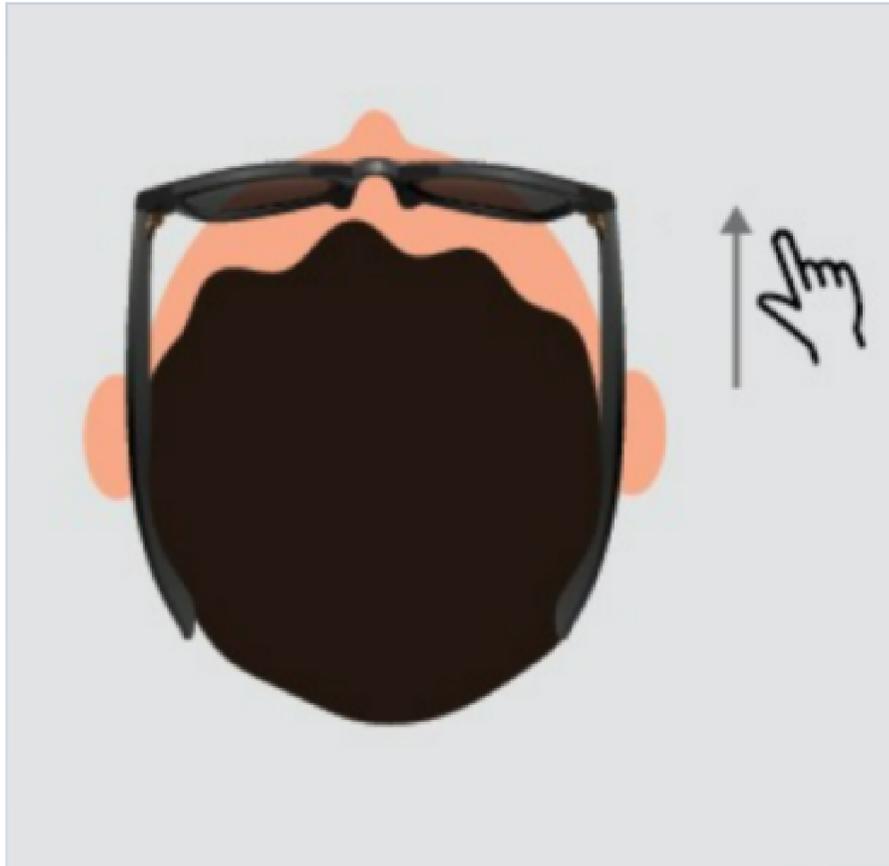
Phone Call

- To answer the call: Swipe forward on the right temple.
- To reject the call: Swipe backward on the right temple.
- To end the call: Swipe backward on the right temple.
- To increase volume: Swipe forward on the left temple.
- To decrease volume: Swipe backward on the left temple.

Call Mute

- While on a phone call in EyeX, swipe forward on the right temple. To unmute again, swipe forward on the right temple.

Device Usage



Note: While in a call swipe forward on the right temple

Music Play

- To start music: Swipe backward twice (within 1 second) on the right temple.
- To stop (toggle) music: Swipe backward twice (within 1 second) on the right temple.

Note: On Android phones, the music needs to be started on the phone for the first time.

While music is playing

- Next song: Swipe forward on the right temple.
- Previous song: Swipe backward on the right temple.
Swipe twice to listen previous song, one swipe will play the current song from beginning
- To increase volume: Swipe forward on the left temple.
- To decrease volume: Swipe backward on the left temple.

Device Usage

Voice Assistant (OK Google or Siri)



https://www.youtube.com/watch?v=_XMu13Oylbl

Alexa

The device supports Alexa through the connected phone in Android. Please make sure to install the Amazon Alexa companion app and make sure user settings are configured.

Instructions to Configure and Add Device in Alexa

- Download the Amazon Alexa app.
- Login/Sign up with Amazon credentials.
- Click on the 'Devices' option in the bottom right corner.
- Click on the '+' icon and select the 'Add Device' option.
- Search for the 'Headphones' option and then select 'TitanEyeX-xxxx'.

Device Usage

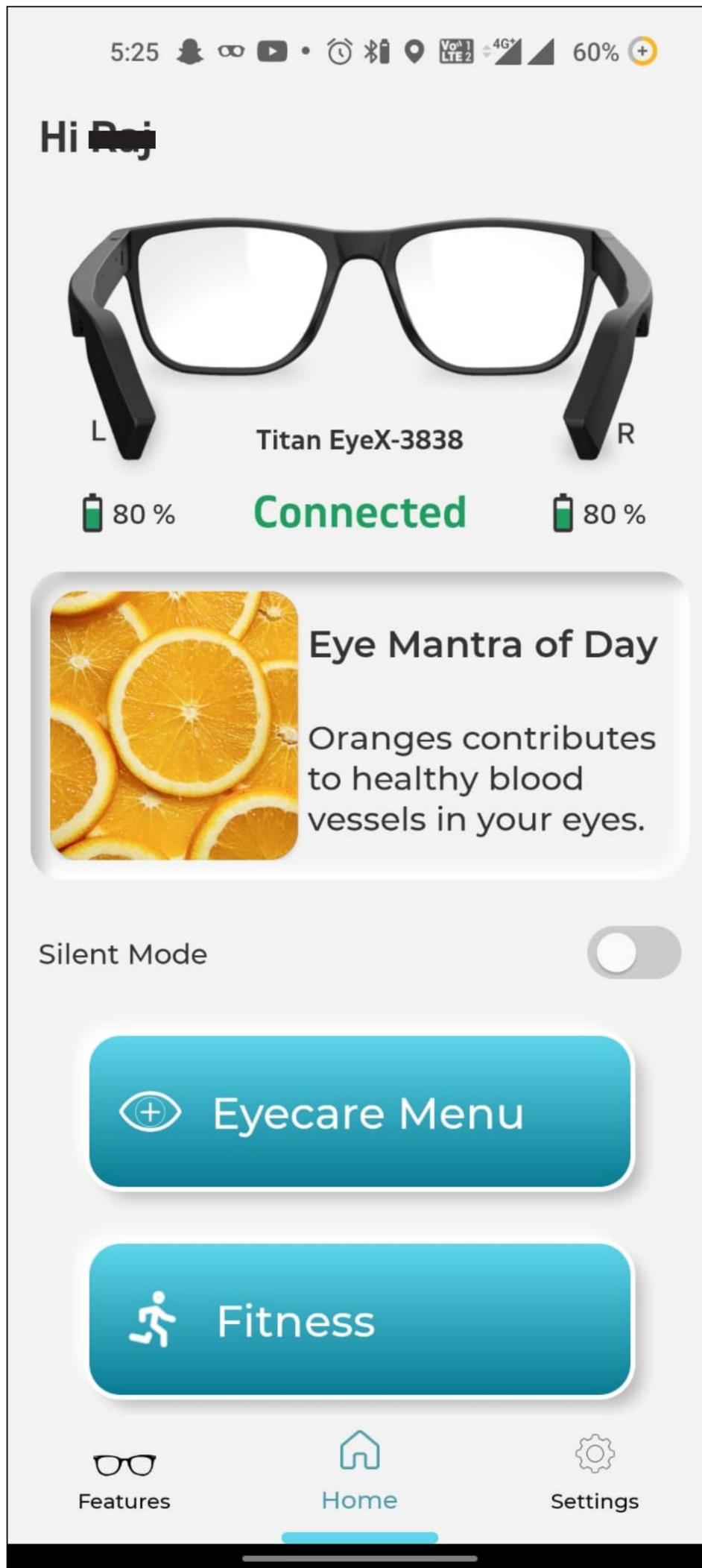
Alexa Usage

- Swipe forward twice (within 1 second) on the left temple.
- Start speaking after the beep.
- Response from Alexa will be heard on the speakers.
- To cancel during playback, swipe forward twice on the left temple.

Note: Alexa is not supported on iPhone in the current hardware.

App Functionality

App Interface



Main Screen

App Functionality

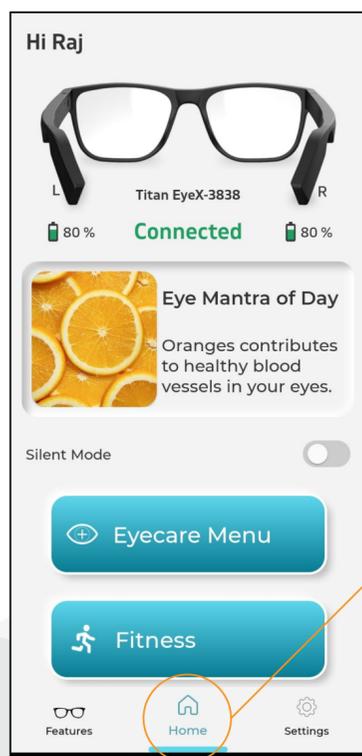
Functions Provided With the App

- Display Fitness Data: steps, distance, calories and active time.
- Find Glasses: Glasses will beep when the user selects the 'Find Glasses' option on the app.
- Locate Glasses: If glass went to power off or glass got disconnected.
- Play Notifications Using Text to Speech (only on Android).
- Calendar Alerts.
- Custom Swipe 1:
 - Glasses Reads Time & Weather,
 - Camera Remote Snap
- Custom Swipe 2:
 - Glasses will find the paired phone by beeping on the phone.
- Presentation Controls on Computer.
- Change Glasses Settings.

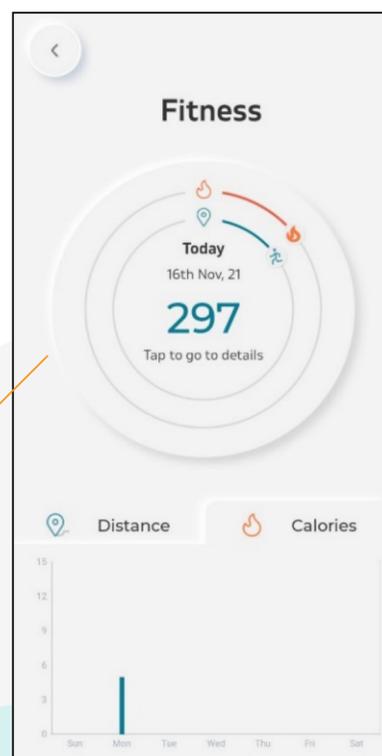
Additional Features with App

App Main Screen & Fitness Screens

The fitness main screen displays the current day's fitness data. It displays a target wheel with steps walked and progress to the target. The target steps are set to 5,000 steps as default. This target can be changed in settings. The fitness screen also displays distance walked, calories burned and active time for the current day



App Main Screen

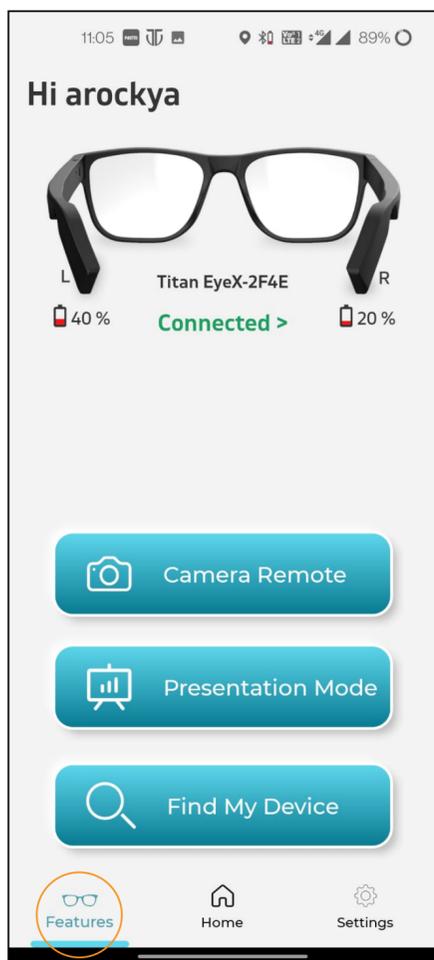


App Fitness Screen

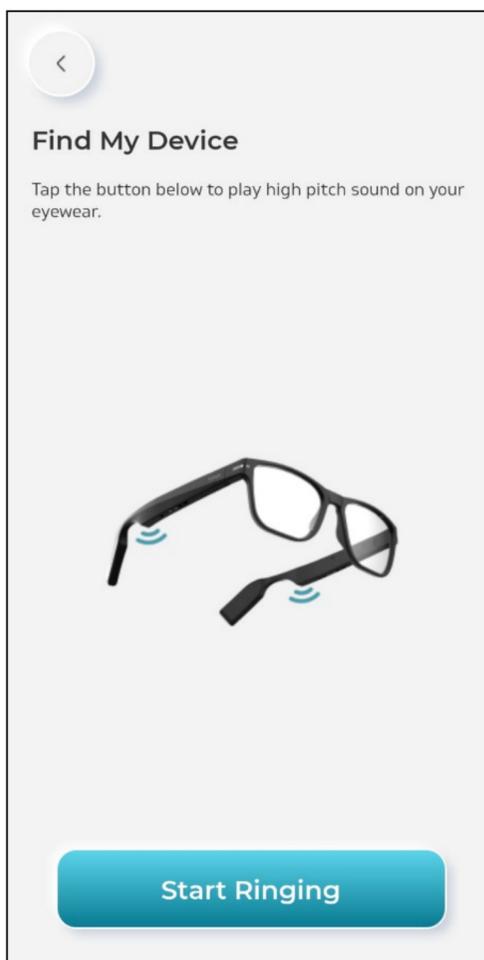
App Functionality

Find My Device

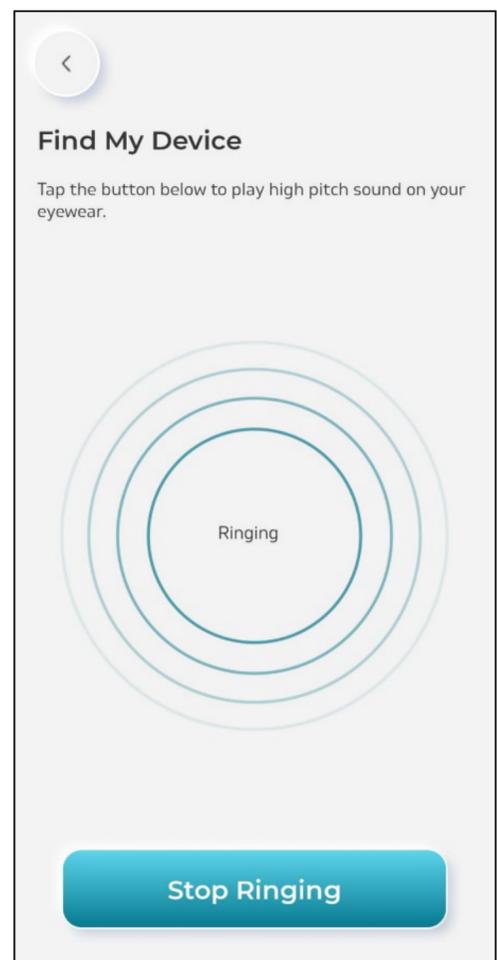
Select the 'Features' tab on the main screen and select 'Find My Device'. The glasses will beep for 10 seconds. Clicking this button again on the app or swiping on the left temple will stop the beeping.



STEP 1



STEP 2

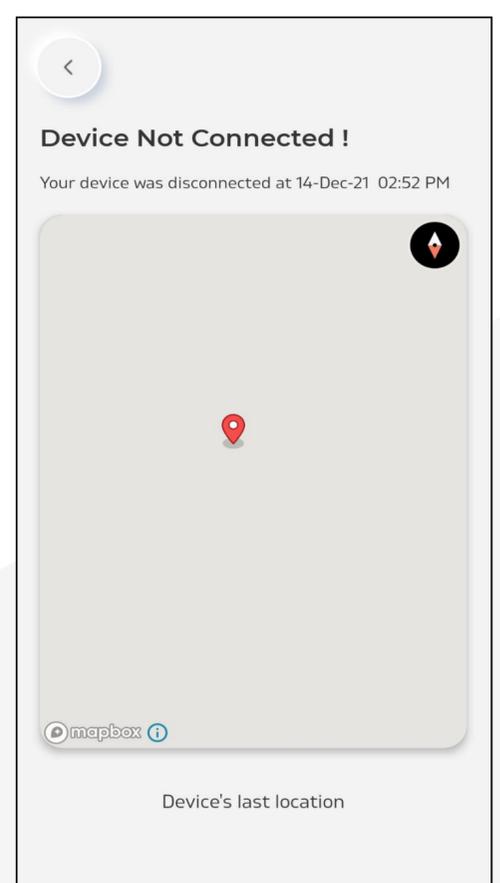


STEP 3

Locate Glasses

'Find My Device' button works as the 'Locate Glasses' function when EyeX is disconnected.

This feature will indicate the last seen location of the glasses. When a Bluetooth connection to the glasses is lost, the phone's location is recorded and saved as the last known location of the glasses. The user can locate his glasses based on this location. If the glasses are not connected to the phone, the last location is displayed on the app.



Note: This feature requires 'Location Permission' to be enabled on the phone.

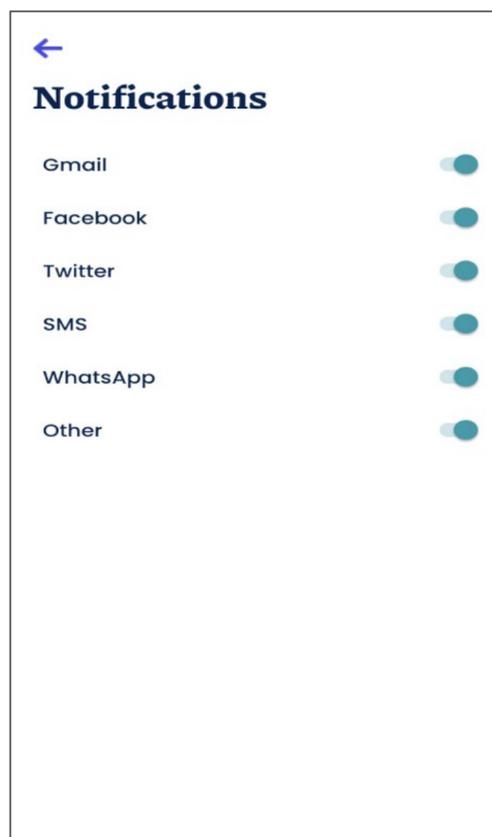
App Functionality

Play Notifications

Note: This feature is available only on Android.

When a notification arrives, a beep is played on the glasses. If the user swipes forward on the right temple within 10 seconds of the beep, the notification message is played to the user. A swipe forward/backward while the notification is playing will stop the playback.

The user can enable which category of notifications they would like to be alerted from the settings menu.



Note: Selecting silent mode on the home screen will disable all notifications.

Calendar Alerts

The app will send the glasses a list of calendar (Google or iPhone calendar) events. The glasses will play a beep at the time of the calendar event. The calendar event details are played if the user swipes after the beep. Users can enable or disable the alerts from the app settings under 'Fitness & Misc'.

Note: Auto-sync feature of the user's Google account should be on to get calendar alerts from Android phones.

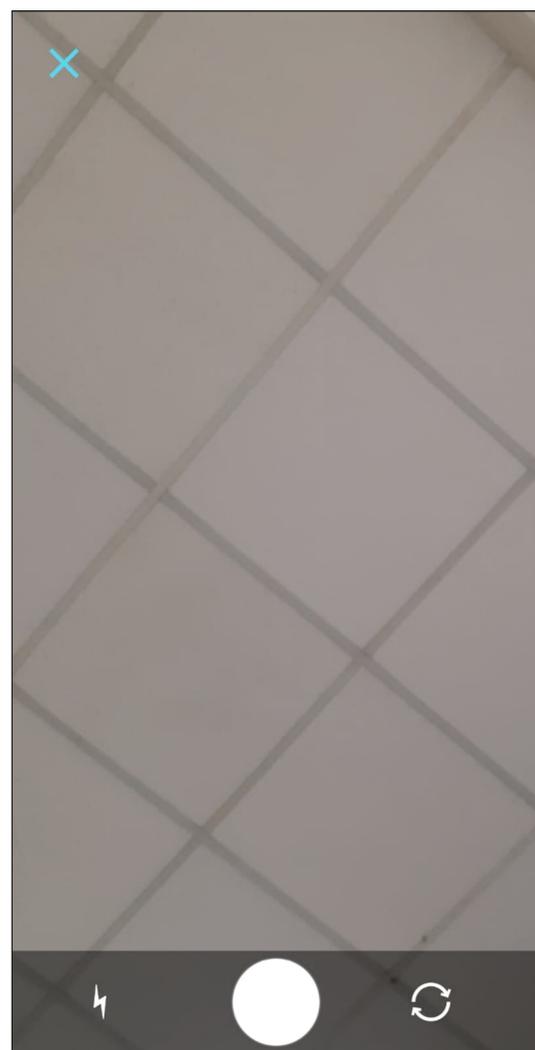
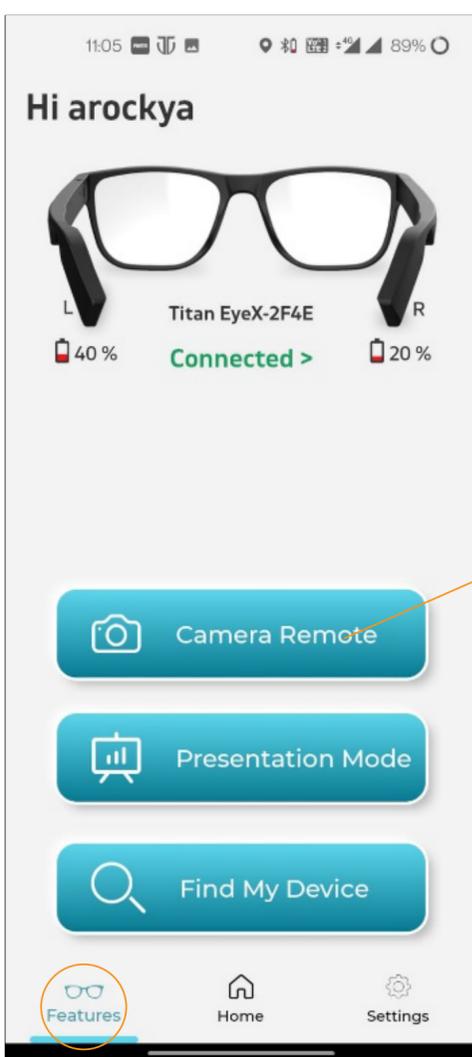
App Functionality

Custom Touch 1 (Time, Weather & Camera Snap)

A swipe forward on the left temple will play the current time.

The second swipe forward after the time is played will play the current weather. The weather units (C or F) can be configured from the settings screen.

The glasses can be used to trigger the phone camera snap. Go to the 'Features' tab and select 'Camera Remote'. In this camera screen, a swipe forward on the left temple will invoke a camera snap on the phone. The photos will be saved in the phone gallery.



App Functionality

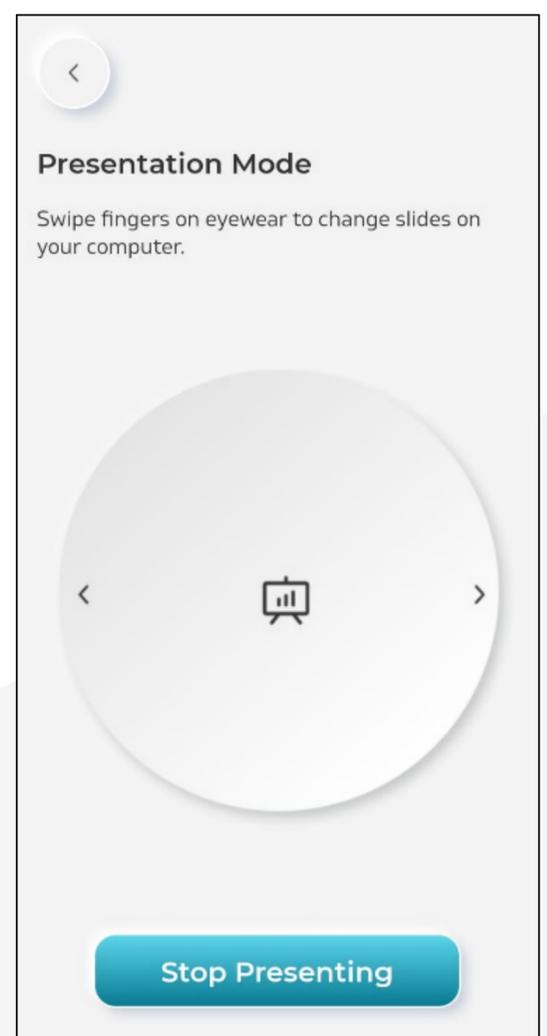
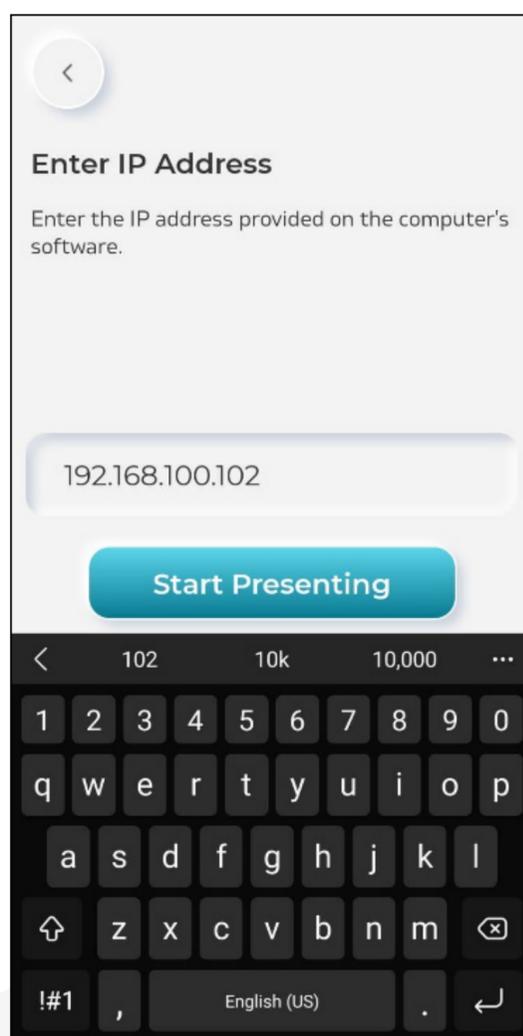
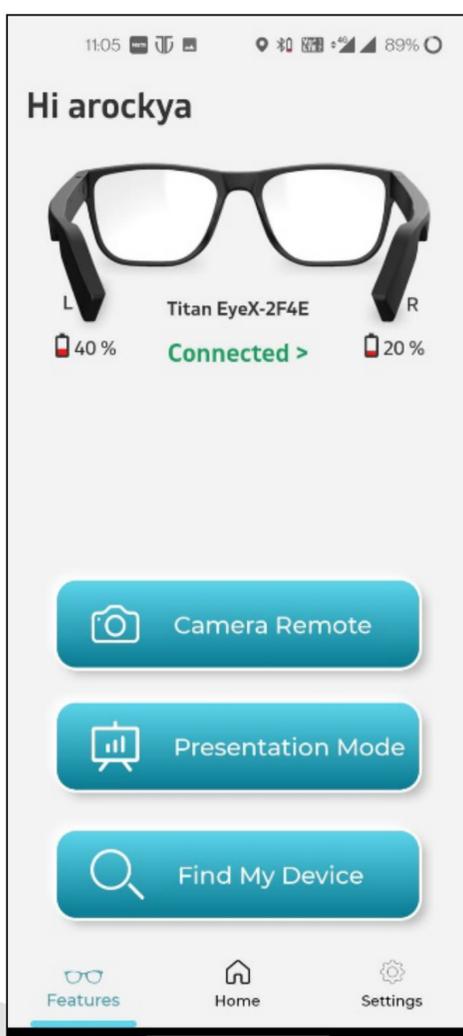
Custom Touch 2 (Find Phone)

Two swipes backward (within 1 second) on the left temple will activate the 'Find Phone' feature. The phone will beep for 6 seconds. The beep can be stopped by another swipe backward.

Presentation Controls

A presentation on the user's computer can be controlled using the swipe function of the glasses. This function requires the user's phone and computer to be on the same Wi-Fi network. The user should have the installed applicable software on his computer.

- Once connected to the glasses, use the swipe function to control the PPT:
 - Next Slide: Swipe forward on the right temple.
 - Previous Slide: Swipe backward on the right temple.



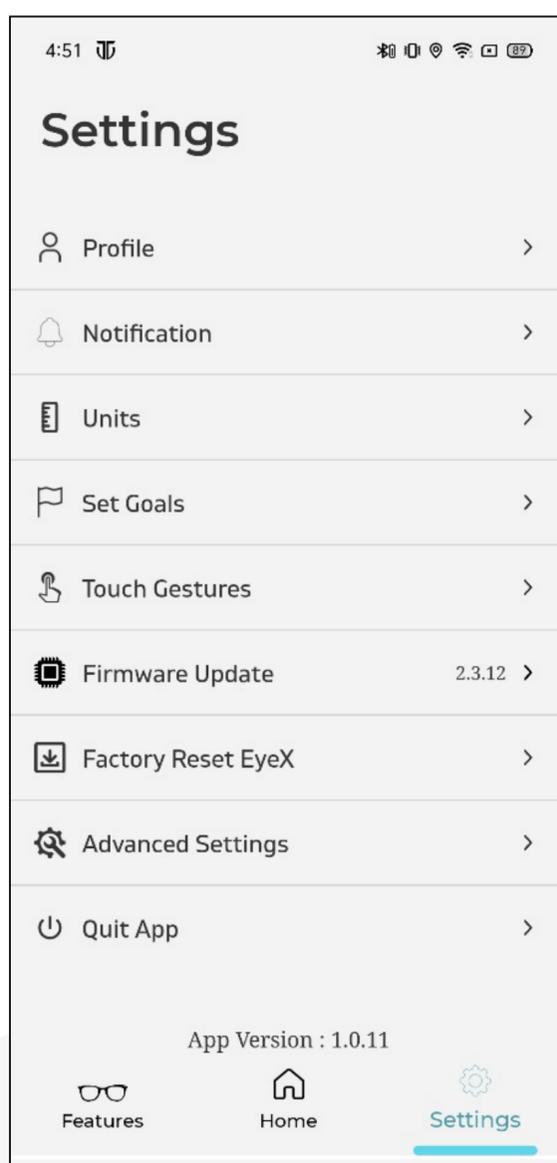
App Functionality

PPT Control Software on Windows Computers

- Download and install the desktop/computer software from the below link or the PPT companion app pop-up:
<https://www.fastrack.in/collections/reflex-wav>
- Both the phone and computer must be connected to the same network.
- Select the 'Start Presentation' option from the app drop-down menu.
- The app will trigger the glasses' Presentation Mode.
- Open the computer software and enter the computer's IP address, displayed on the computer software, in the app.
- Minimise the application window on the computer.
- The user can start controlling the presentation by swiping forward and backward.

Glasses Settings

The settings screen is used to configure user preferences such as target steps, standard metric units, notification preferences, etc.



App Functionality

Set Goals/Units

- In Set Goals, the user can set the daily target steps and calorie burn target.
- In Units, the user can select weight, height and distance units.

Sedentary Reminder

The glasses will alert the user with “Idle for XXX time” when the user does not walk during daytime hours (8 am to 8 pm).

Distance Format: The display distance on the app can be set to kilometres (km) or miles (m). The default is kilometres (km).

Google Fit or Apple Health: Google Fit or Apple Health integration can be switched on or off.

Notifications

Notifications can be enabled/disabled for email, Facebook, Twitter, SMS, WhatsApp, WeChat, Messenger and many others.

My Account

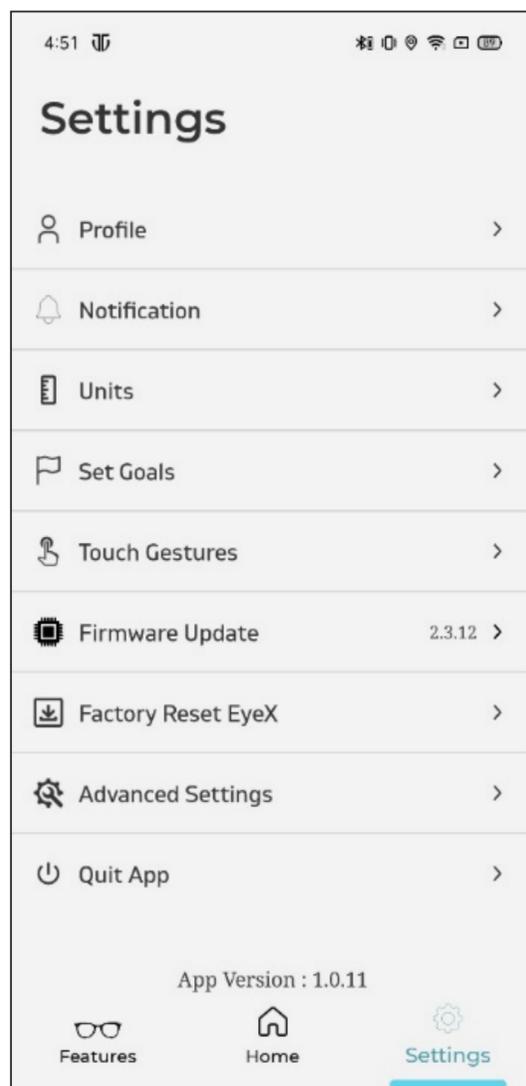
Users can enter their name, gender, age, height and weight on this screen. This information is used to calculate the distance covered and calories burned.

Unpair & Factory Reset (From App)

The user can factory reset the glasses from the app settings. With a factory reset, all the user’s fitness data is erased. Once done, the user has to start with a new pairing of the glasses to the phone. This option is useful when the user is switching the glasses to a new phone or if the glasses’ Bluetooth connection gets corrupted.

App Functionality

Settings Menu



Quit App

Please note that the app will run in the background even if it is swiped out in Android. To fully quit the app, use the Quit App option in the app. In the iPhone app, swiping the app out will fully quit the app.

Advanced Settings

Auto Power on Connection (Beta): If enabled, glasses will power on automatically without a touch or swipe when picked up from the upside-down position.

CVC Update: This option is needed only if you recently updated the EyeX Firmware via firmware update. This will ensure that proper audio parameters are loaded into EyeX.

App Functionality

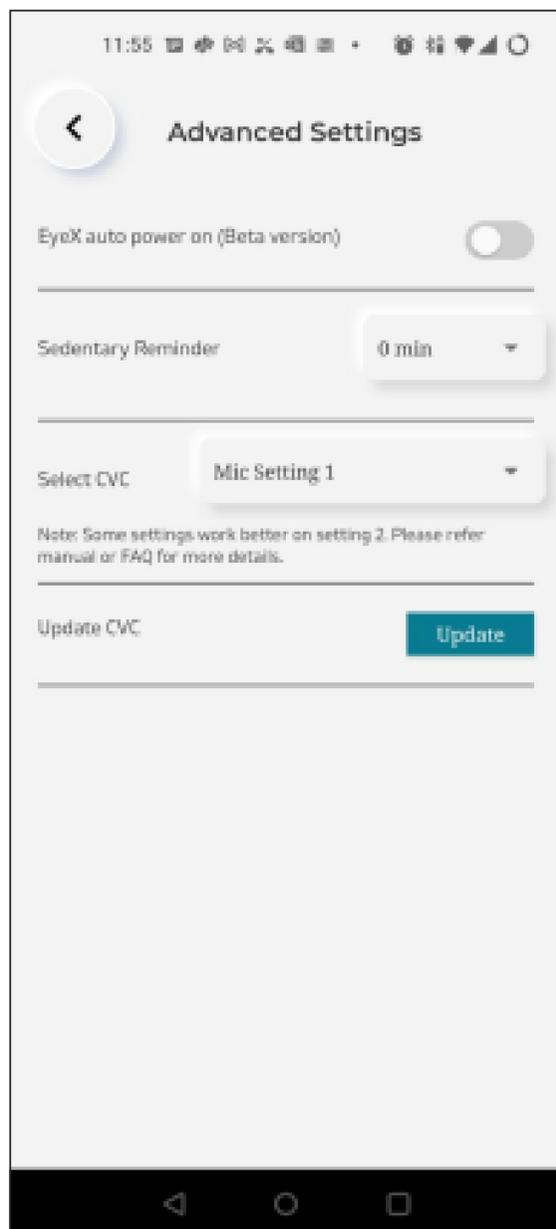
In this feature you can opt for below microphone settings.

Mic setting 1: Default setting that produces good crisp mic output. But on few phones, this option might produce some noise. If your caller on the other side complains about noise, you can switch to Mic setting 2

Mic setting 2: Setting that gives produces slightly mellowed sound. But the sound is averaged to avoid noise.

You have to select one of the two mic settings and click on Update. The EyeX will be updated with new settings and restarted (You will see EyeX disconnecting and reconnecting to the phone)

Note: Any change in mic setting will disconnect EyeX from the mobile, in such incidence the EyeX need to be factory reset (manually) and pairing has to be done.



Device Reconnection

Pairing to Multiple Phones or Switching Phones

The device supports up to 4 phone/computer connections. First, disconnect EyeX from the previously connected phone/computer Bluetooth menu. EyeX is ready to pair with another phone or computer when the blue LED blinks on the right temple. Go to the Bluetooth menu of the new phone/computer and pair EyeX.

For Switching Phones

Disconnect EyeX from the connected phone/computer using the Bluetooth menu. Connect to EyeX from the other paired phone/computer using the Bluetooth menu.

To use the EyeX app, go to settings and select 'Unpair'. It is important to do this step from the app on iPhone. If this is not done, the old phone will continue to connect to EyeX.

Factory Reset

Method 1:

Go to the app settings and select 'Factory Reset EyeX'.

Go to the phone's Bluetooth menu and unpair the EyeX device (if it is still shown).

Method 2:

Quit the app. In Android, select 'Quit App' from settings. On iPhone, swipe out the app. Go to the phone's Bluetooth menu and unpair the EyeX device.

Swipe backward and forward (within 1 second) on the right temple. Red LED will blink on both the temples. Then swipe backward again on the right temple to confirm. Once the factory reset is complete, the blue LED will flash, stating the glasses are ready to pair (the factory reset can take up to 10 seconds).

App Functionality

Eyecare Menu

- On the home screen, select the Eyecare menu.
- These are a set of eye tests for users to test their vision.
- Contact lens users can set notifications (monthly, quarterly, half-yearly or yearly).

Swipe Touch Operations Summary

Features	Operations
Power On (Master and Peer)	Swipe forward or backward on both temples. A touch will power on the device if it's picked up from an upside-down position.
Discoverable	If no phone/computer is connected, the device will be in discoverable mode with a blue light blinking. Swipe the right temple to restart the blinking. If the phone/computer is connected, disconnect EyeX from the phone's Bluetooth menu to put EyeX in discoverable mode.
Status and Battery Level (master and peer)	Swipe forward and backward within 1 second on either temple. The battery level and connection status will be announced.
Call Answer	Swipe forward on the right temple.
Call Reject	Swipe backward on the right temple.
Call End	Swipe backward on the right temple.
Call Mute/Unmute	While in a call, swipe forward on the right temple (toggle).
Volume Up/Down	Swipe forward on the left temple to turn up the volume. Swipe backward to turn down the volume (it works for calls and music).
Music Play/Pause	Swipe backward twice within 1 second on the right temple (toggle).
Play Next Song	Swipe forward on the right temple.
Play Previous Song	Swipe backward on the right temple.
Voice Assistant (OK Google or Siri)	Swipe forward twice within 1 second on the right temple.
Cancel Voice Assistant	Swipe on the right temple during audio playback.
Alexa	Swipe forward twice within 1 second on the left temple.
Power Off	Swipe backward on the left temple. Confirm with 2 nd swipe backward on the left temple. Putting glasses upside down will also power them down.
Factory Reset	Swipe backward and then swipe forward within 1 second. When asked to confirm with a swipe backward, please do so.

Swipe Touch Operations Summary

Features	Operations
Play Time, Weather and Snap Camera Selfie (the app has to be connected)	Swipe forward on the left temple. The first swipe will announce the time. A swipe again within 5 seconds will announce the weather. A swipe when the app camera screen is on will take a photo.
Find Phone (the app has to be connected)	Swipe backward twice within 1 second on the left temple.
Play Notification or Calendar Details (the app has to be connected)	Swipe forward on the right temple after a notification or calendar beep (beep is played when notifications are enabled on the app and a notification/calendar event happens)

Specifications

Bluetooth	5.0 Stereo Dual Mode Classic and BLE
Audio	Stereo TWS with high-resolution audio
Audio Features	CVC noise and echo cancellation with dynamic volume control
Micro	Integrated SOC with built-in Bluetooth
Accel	3 axis Accelerometer with high accuracy pedometer
Touch	Capacitive sliding touch
Radio Frequency	2.4GHz to 2.48GHz
BT Classic Profiles	HFP, A2DP, RFCOMM
BLE Profiles	GATT, Custom SPP over BLE, ANCS, HID
Charging Time	2 Hours
Charging Input	5V (200mA to 1A)
Battery Type	Lithium-Ion Polymer 68mAh
Typical Life	1 week of normal use
Water Resistance	IP54
Compatibility	Android >=7 or iPhone iOS >=10.2 with BLE support

Warranty & Support

EyeX Non-prescription Warranty Policy

The EyeX non-prescription warranty policy covers products against defects in materials and workmanship for a period of one (1) year from the original date of purchase. You are automatically eligible for EyeX warranty when you make a purchase on smartxglasses.com. No registration required.

Scratched lenses are considered normal wear and tear and are not covered under EyeX warranty. Any damages caused by accidents, neglect, improper use or improper storage are also not covered under warranty. Warranty claims may only be made on the originally purchased product and from the original purchase date. There is no warranty coverage provided by SmartXglasses when an item is purchased through eBay or any non-authorized reseller.

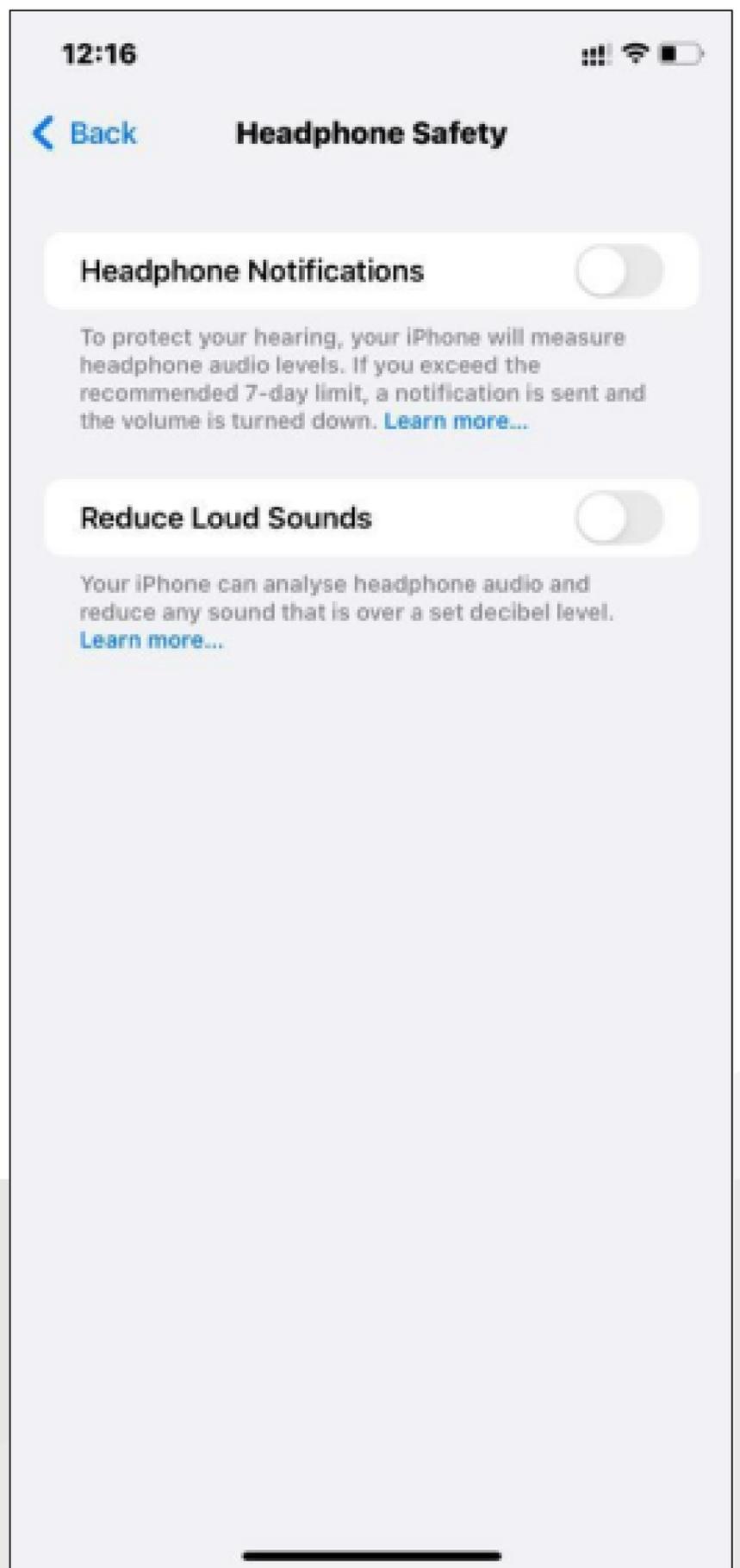
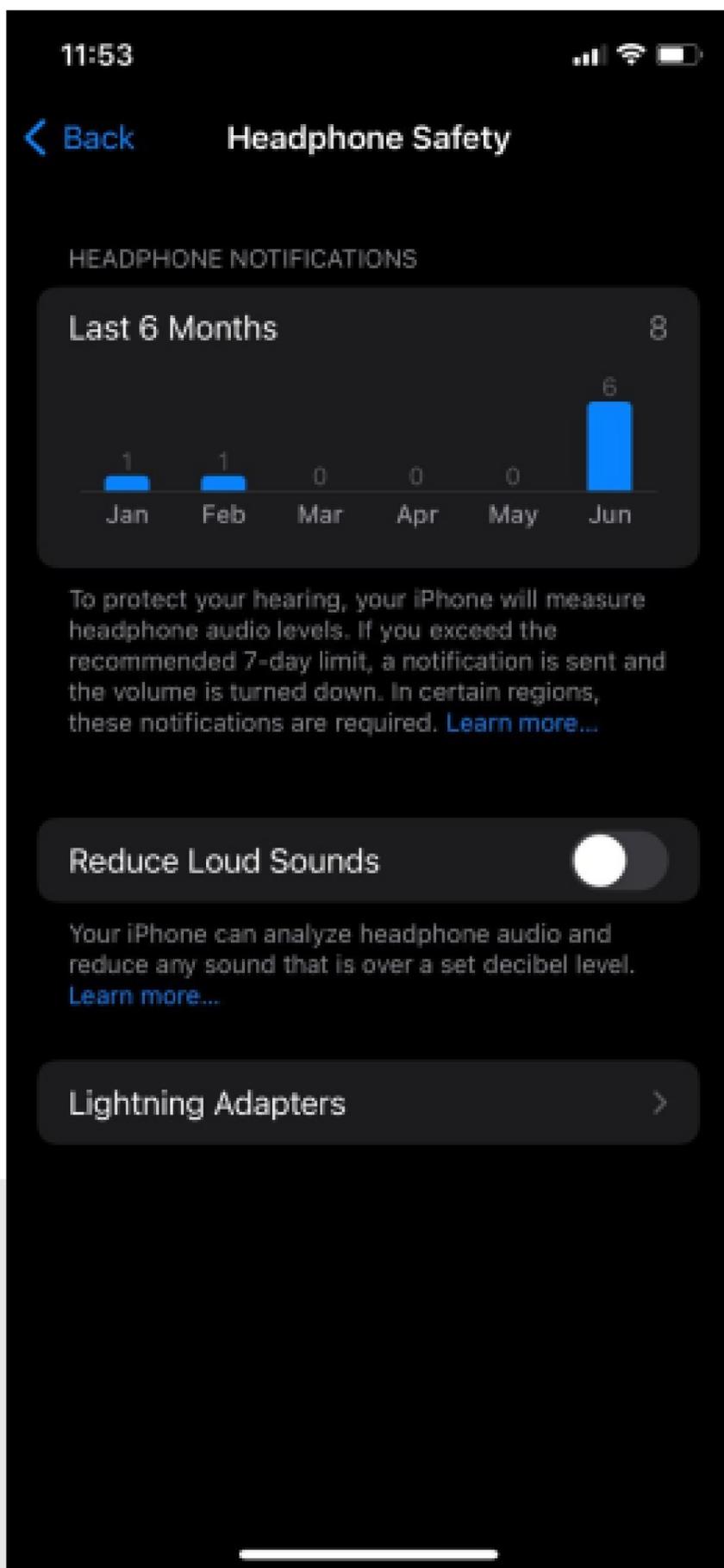
To file a claim, you'll need your order number (if purchased on smartxglasses.com), proof of purchase (gift receipt, invoice, receipt, etc.), and the purchase date. Once you submit your claim, our team will review and notify you of your approval or denial within 3-5 business days.

While your claim is under review, please do not throw away your EyeX glasses, as we may need to follow up or request additional photos.

Maximum Volume in Android and iPhone

EyeX uses a similar maximum volume on iPhone and Android. Please ensure the below are in default settings to get maximum volume from the phone.

On iPhone, ensure that the Reduce Loud Sounds setting is not enabled.



Maximum Volume in Android and iPhone

On Android, ensure Dolby Atmos (or any other audio enhancer settings) is enabled.

