

# Electronic Screening for Uncorrected Refractive Errors

Device Setup Guide v1.01.02



## Equipment

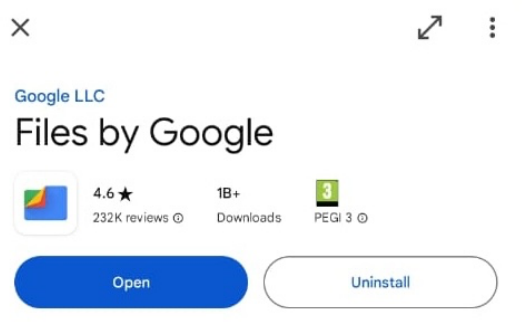
You will need the following equipment.

- An Android Phone or Tablet
  - Minimum Requirement
    - Android v9.0 or above, with internet connection
    - Screen lock with 6-digit pin code
    - Encrypted hard drive
  - Refer to the user instructions for your device if you are unsure about any of these requirements.
- An accurate ruler, for making length measurements.

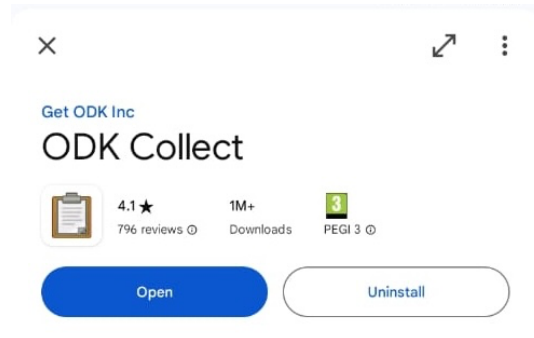
# Install required apps from Google Play Store

The following apps should be installed from the Google Play Store.

## Files by Google



## ODK Collect



- Open **Files by Google** and if asked, allow the app access to files on your device

## Install Peek Visual Acuity App by 'sideloading'

The Peek Visual Acuity app is not available on the Google Play Store and should be manually installed using a process called 'sideloading'.

The following steps should be done on the Android device you are setting up.

- If your Android device has a QR Scanner, please use it to scan this QR Code.
- If your device does not have support for QR codes, please visit the link instead.



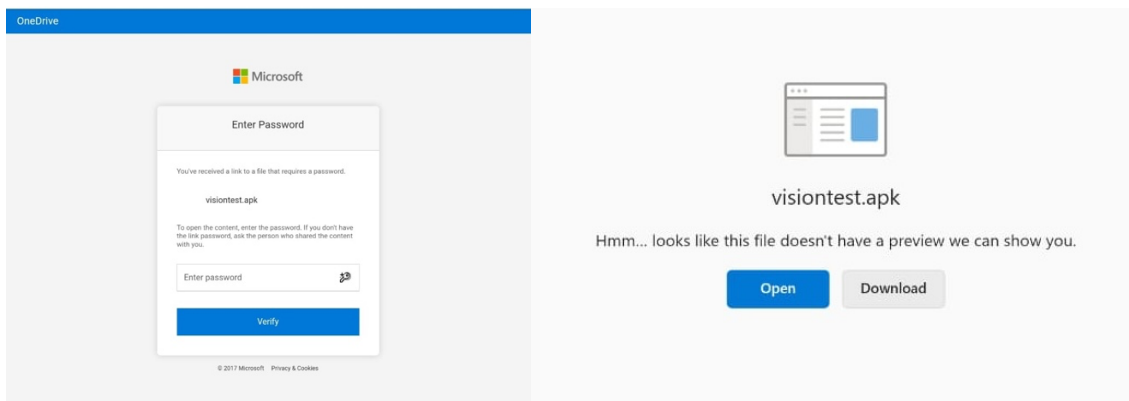
**<https://bit.ly/erec-peek>**

You will be taken to a OneDrive page which will ask you to enter a password.

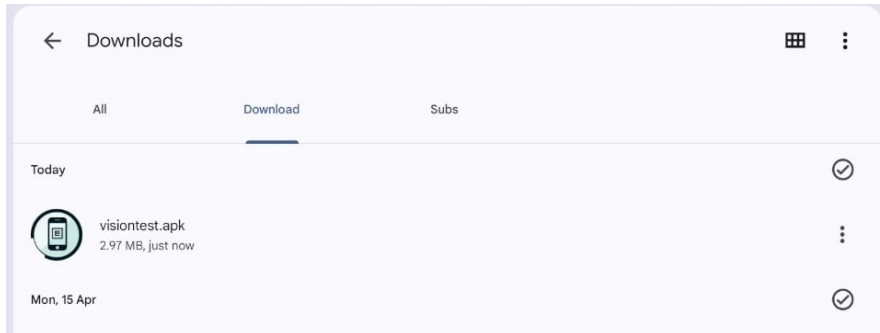
- Enter the password : RALLYbalance-wandgoat

You will be presented with the options to open or download the file.

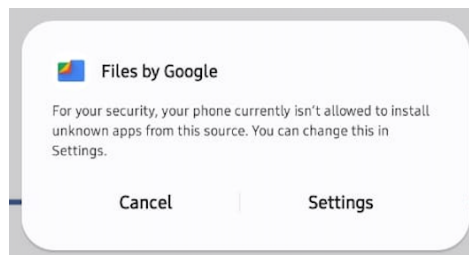
- Select **Download**



- Save the file to your device's 'Downloads' folder.
- Open **Files by Google**.
- Navigate to the **Downloads** folder.
- Click on the **visiontest.apk** file
- Select the option to **install** the app.



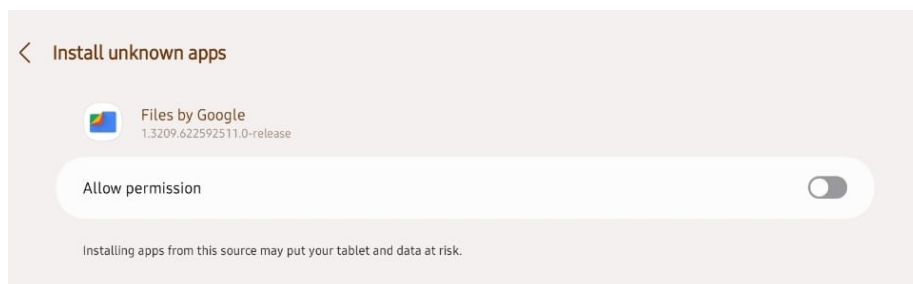
At this stage, you are likely to see a warning like the one below.



- Click **Settings**

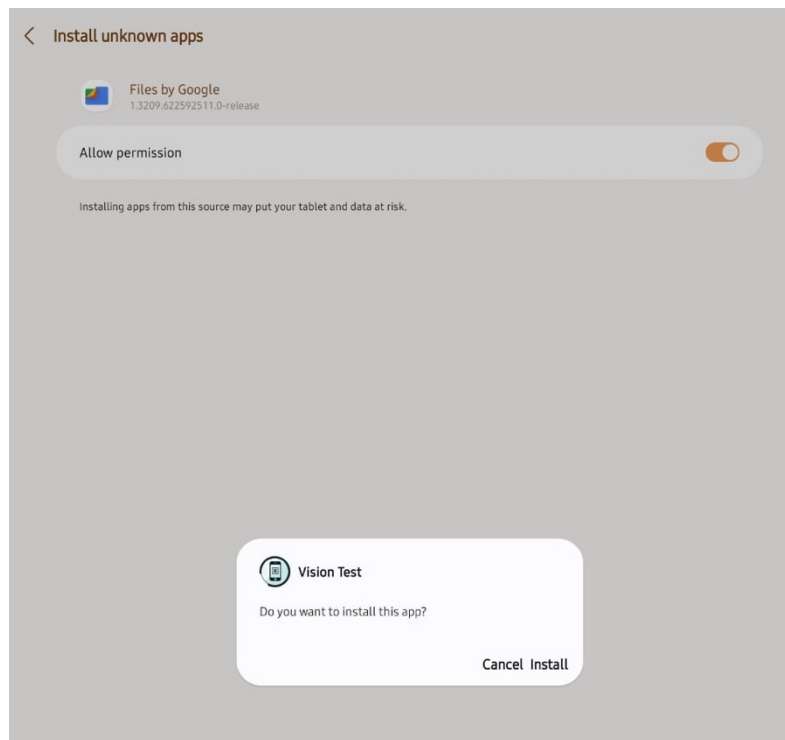
You will see options like the one below.

- **Allow permission** for to install 'unknown apps'

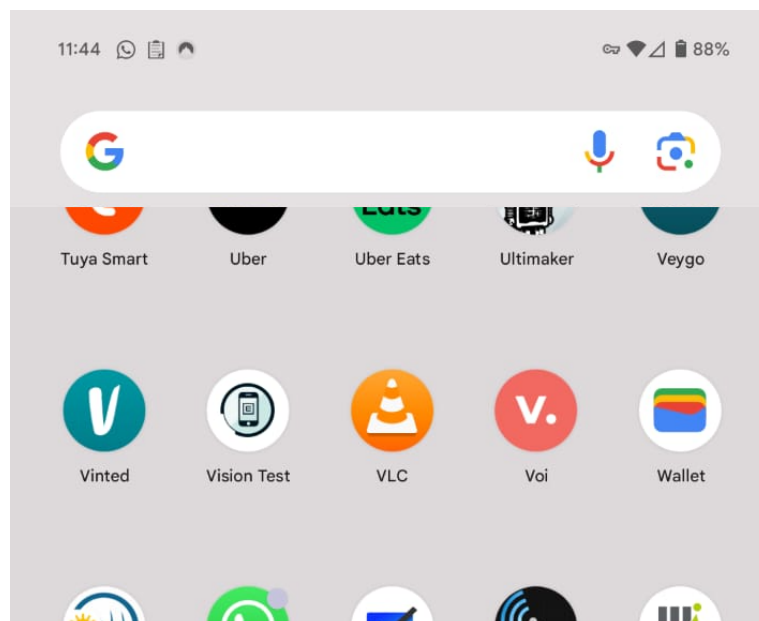


The option to install **visiontest.apk** should now appear.

- Select **install**.
- Deactivate the permission to install unknown apps.



If the installation was successful, the **Vision Test** app should be visible on the device's app tray.

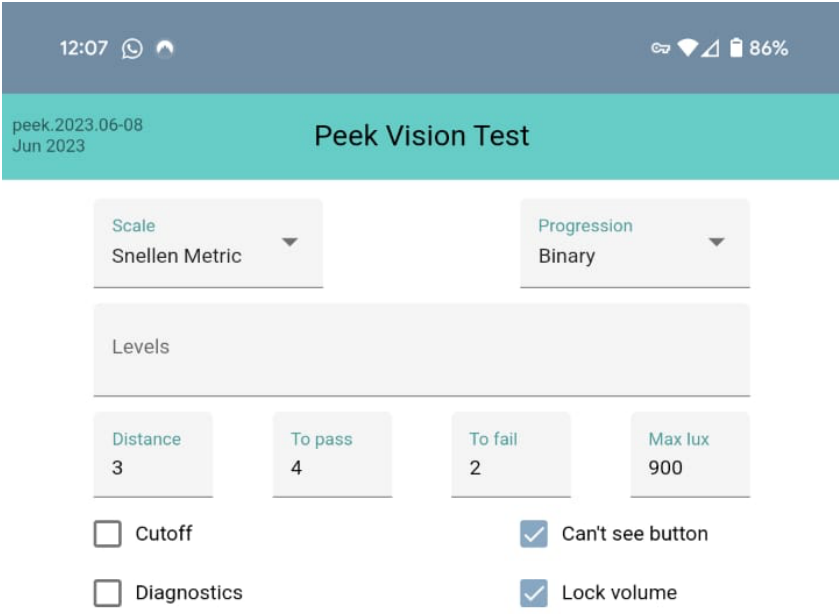


- Click the **Vision Test** app to continue.

# Confirm Parameters for Peek Vision Test App

When the Peek Vision Test App opens, you will see a set of parameters which can be modified.

- Check the **Lock Volume** box.
- Check the **Can't See Button** box.



- Confirm that all settings are identical to those shown in the figure/table below.

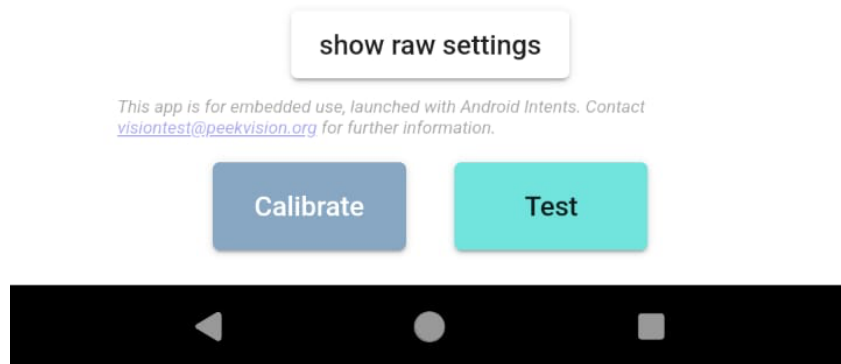
Parameter	Setting
Scale	Snellen Metric
Progression	Binary
Levels	[THIS FIELD SHOULD BE EMPTY]
Distance	3
To pass	4
To fail	2
Max lux	900
Cutoff	[UNCHECKED]
Diagnostics	[UNCHECKED]
Can't see button	[CHECKED]
Lock Volume	[CHECKED]

# Calibrate the Peek Vision Test App

**All devices using the Peek Vision Test app should be calibrated**

The process only needs to be done once on each device.  
You will need a ruler for this process.

- On the Peek Vision Test App, Click **Calibrate**





- Using a ruler, measure the coloured bars to the nearest mm.
- After taking a measurement, enter the measured value in the drop down box.

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
Measure the coloured bar and enter the measured lengths				Confirm 40 x 40 mm or recalibrate	

- If the **E** shape shown in steps 5 and 6 is not 40 x 40 mm to the nearest mm, repeat the calibration process.

The device is now fully ready to perform visual acuity tests.

## Connect ODK Collect to the project server

- Open ODK Collect
- Click **Configure with QR code**
- Scan the QR code (below) for your locale, either Nigeria or Ethiopia

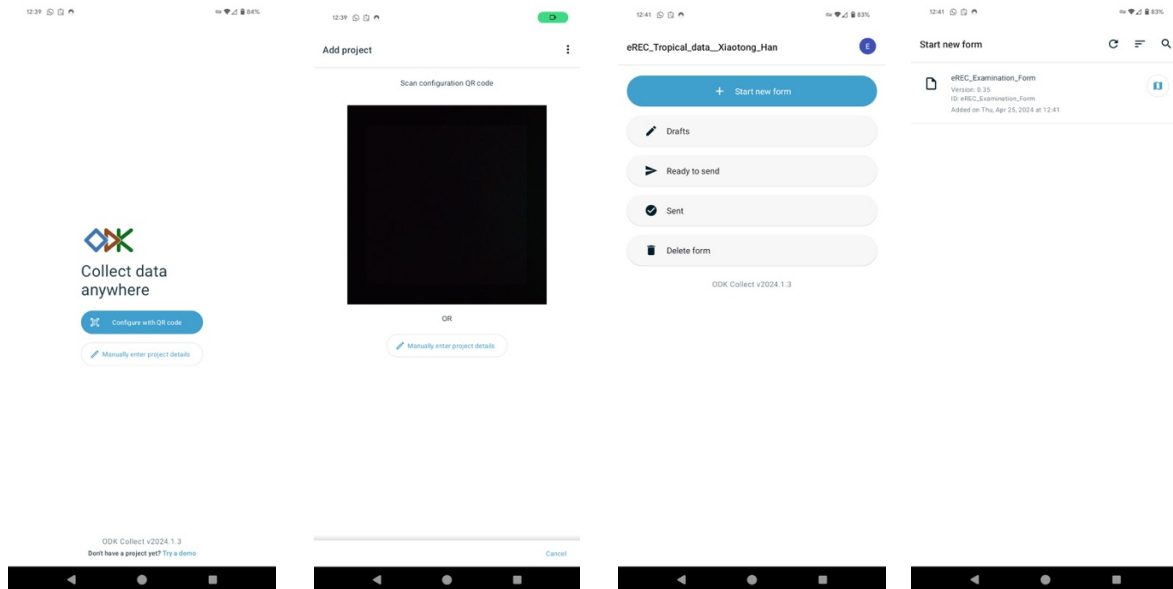
# Nigeria QR Code



# Ethiopia QR Code



- Click **Start new form**
- Confirm that you can see the **eREC\_Examination\_Form**



The device is now fully configured.

## Change Log

### v.1.01.02 Initial Version

- Changes requirements to check 'can't see button' when setting up visiontest.apk

### v.1.01.01

- Initial Version