



HERU PRIME
INSTRUCTIONS FOR USE

PDPROJ-1_IFU
PDPROJ-1_DHF



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INSTRUCTIONS FOR USE

1. Introduction

Heru Prime (previously Heru re:Vive) is a platform that provides functional and anatomical diagnostic data for the purpose of supporting the diagnosis of various eye conditions. Heru Prime is a system that works with commercially available Head Mounted Display devices (HMDs). The Heru Prime system provides speed, flexibility, and precision not available with legacy non-wearable devices.

2. Device Description

The complete system is comprised of the following items:

- Heru Prime Application
- Browser-based Heru Portal Application (see Section 14 for browser details)
- Approved HMD hardware
- Bluetooth patient response controller
- Any approved compatible computing platform including a PC or Mac, desktop or tablet (see Section 14 for details).

Access the Heru Portal via a web browser to start, store, and review patient's clinical test results. Stable internet connection with a minimum of 10 Mbits/sec download and 5 Mbits/sec upload speed is recommended.



Please read this instruction manual thoroughly before using Heru Prime. Please keep these instructions for future reference.

3. Intended Use

Heru Prime is a multi-modal testing system with the following tests and indications for use:

Visual Field: The Heru Prime visual field test is intended to measure the field of view of the eye for the purpose of mapping the visual field utilizing commercially available head mounted display devices ("HMDs").

Pupil Test: The Heru Pupil Test is indicated to provide measurements of pupil size and reactivity to aid in the diagnosis and monitoring of various eye conditions.

Extraocular Motility: The Heru Extraocular Motility Test is indicated to provide measurements of a patient's ocular motility to aid in the diagnosis and monitoring of various eye conditions.

Cover Test: The Heru Cover Test is indicated to track eye positions and movements to aid in the diagnosis and monitoring of ocular alignment abnormalities.



Heru Prime is intended for use on adults 18 years of age or older.

Test results provided by the Heru Prime system are intended to be an aid to interpretation, not a diagnosis. Heru Prime is not intended for diagnosis. Diagnosis and patient management decisions are the responsibility of the healthcare provider.

4. Symbols and Labels

	Manufacturer
	See Instructions for Use
	This software is a medical device
	Catalog Number
	Units within Package
	Keep dry
	Temperature limit
	Waste Electronic and Electrical Equipment Directive
	Human Contact
	Fragile
	Caution
	Not MRI safe



5. General and Installation Safety Precautions

5.1. General Precautions

- Periodically change your password to the Heru Portal.
- Always log out after your session is over.
- Heru Prime is intended to be an aid to interpretation, not a diagnostic tool. Products and Services made available through Heru Prime do not make clinical, medical, or other professional decisions. Diagnosis and patient management decisions are the responsibility of the healthcare provider.
- Heru Prime is not intended for use on patients under 18 years of age.
- DO NOT administer a test to a patient who is not in a stable sitting position.
- The clinician is solely responsible for obtaining necessary consents for use and disclosure of patient information.
- Please read the general safety precautions and the manufacturer's instructions for use for the head mounted display (HMD) prior to use.
- Do not expose the optical lenses to direct sunlight or other strong light sources. Exposure to direct sunlight may cause permanent yellow spot damage to the screen. Screen damage caused by sunlight exposure or other strong sources of light is not covered by the warranty.
- Use an optical lens micro-fiber cloth dipped in water to clean lenses. Do not wipe the lenses with alcohol or other harsh or abrasive cleaning solutions as this may lead to damage not covered by the warranty.

5.2. Installation Safety Precautions

- A Heru representative will schedule a training appointment upon receipt of your Heru Prime equipment. During this training appointment, you and your staff will be guided through the basic operations of configuring, using, and maintaining your Heru Prime equipment. Users should obtain training before clinical use.
- Use only those parts provided by Heru to achieve optimum performance and safety.
- Make sure that your computer meets the technical specifications in section 14.
- For Technical Support or Customer Care: Please see section 15.

6. Pre-Use Requirements and Dependencies

The Heru Prime application is intended for use in healthcare provider offices and other clinical environments. The operators are healthcare providers with professional training or experience in the use of ophthalmic equipment.

The operator should be a licensed practitioner, trained in at least one of the following professions: Ophthalmologist, Optometrist, Nurse, Medical Technician, or Ophthalmic Technician/Photographer.



The operator must have training and the ability to carry out the system's operation.

7. Heru Portal Registration

An authorized Heru administrator will create your account and assign a username during initial setup. At this time, the email address associated with the account will be sent a link to set a password.

8. Software Installation, Upgrade, and Configuration

An authorized Heru representative will install and configure the Heru Prime application prior to shipment. To ensure optimal customer experience, Heru will remotely push software updates to both the HMD and the Heru Portal.

A full power-down at the end of each day is recommended. Updates to the Heru Prime application will require the operator to fully power-down and restart the HMD.

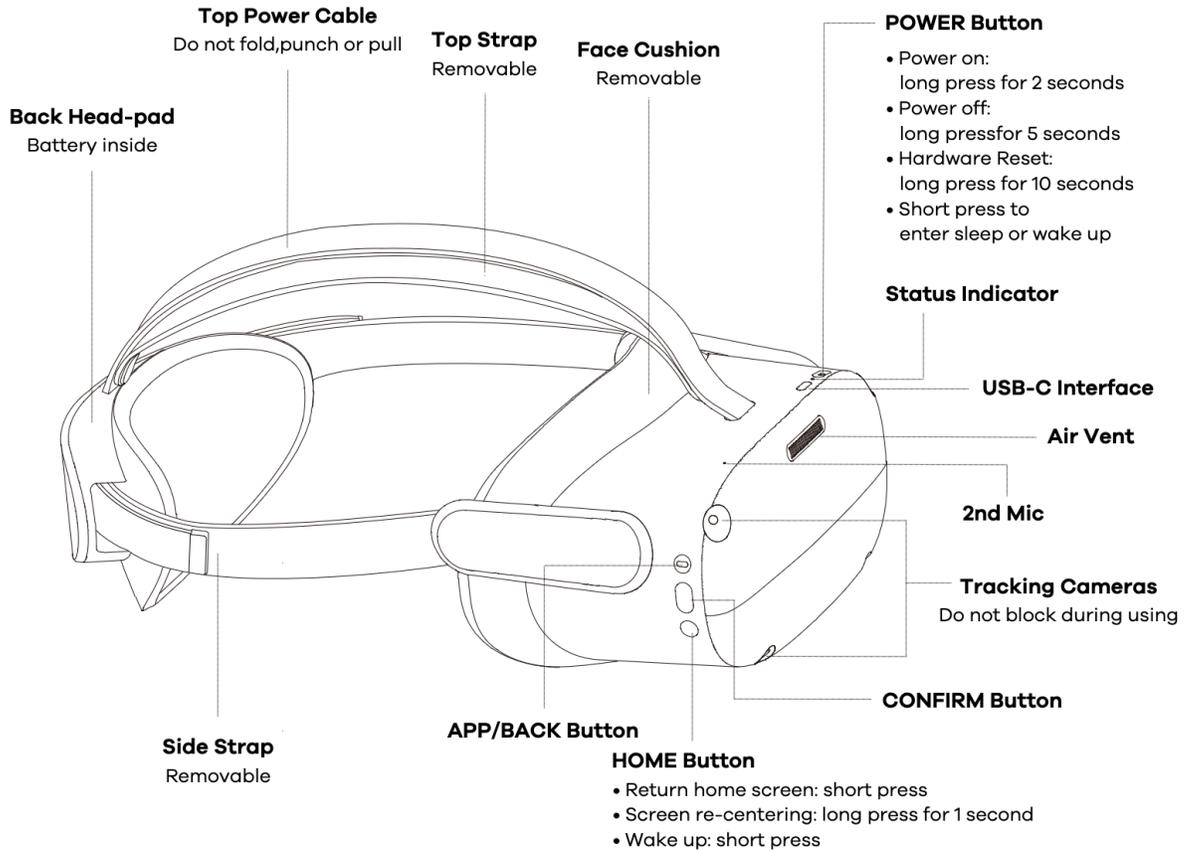
Learn how to power down the HMD in Section 12.7.

9. Cleaning the Device

To minimize cross-contamination and optimize eye-tracking performance, please clean and disinfect the device before each use, taking care to clean the areas that come in contact with the patient, including the face pad and controller.

Component	Clean with
HMD screen	Lens cloth (do not use a solvent of any kind)
HMD face pad	70% isopropyl alcohol
Controller	70% isopropyl alcohol

10. Hardware Overview





11. Overview of Tests and Reports

11.1. Visual Field: Suprathreshold

Heru Prime performs a static, suprathreshold visual field test to identify central visual field defects. Stimuli are presented over the patient's central 30° field of view, and according to the response of the patient, a map of the visual field is created to indicate the presence and locations of visual field defects. Fixation monitoring is employed to ensure test reliability.

Details of the test pattern and parameters can be found below:

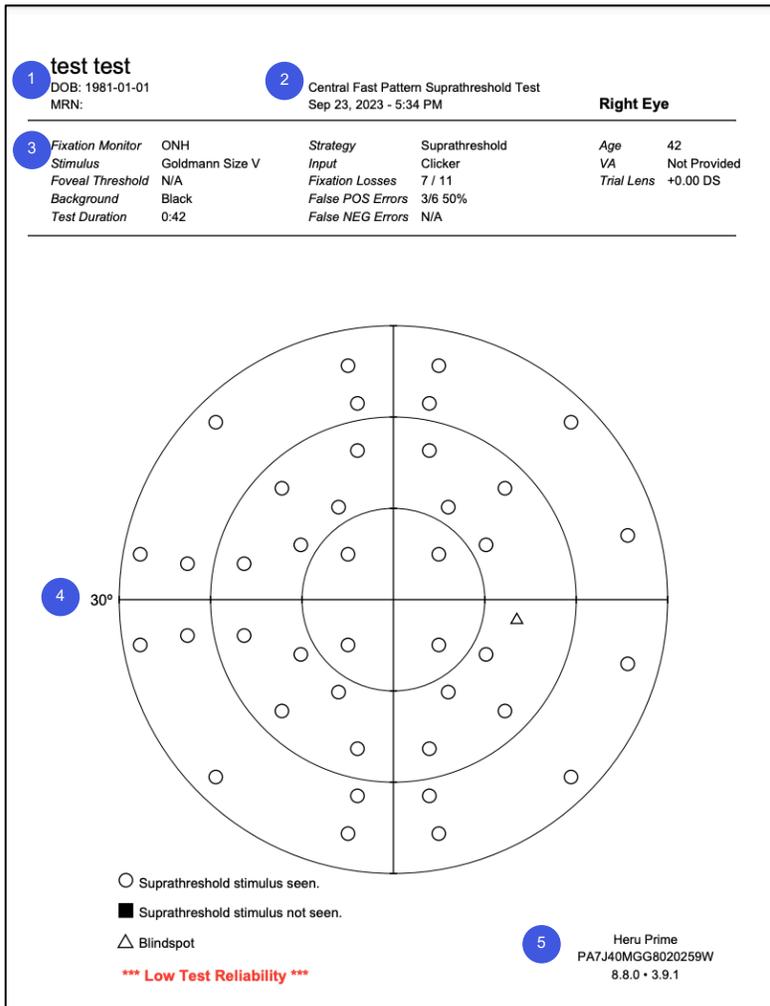
Test Pattern	Fast Pattern
Test Strategy	Suprathreshold, static
Extent of Visual Field Tested	30 degrees
Number of Points Tested	40 points
Stimulus Duration	200 msec
Stimulus Size	Goldmann Size V
Stimulus Color	White
Stimulus Intensity	Age corrected
Fixation Monitoring	ActiveTrack™ (gaze tracking) ONH (blind spot monitor)

The report displays patient data, test reliability indices, and test results.



Instructions for Use Heru Prime

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- 1 Patient information
- 2 Test information
- 3 Reliability indices

Fixation Monitor

Heru Prime employs two types of fixation monitoring: ActiveTrack™ and ONH monitoring. If the test was conducted with ActiveTrack, there are no fixation losses since the patient's gaze is continuously monitored.

Fixation Losses

If ONH monitoring is used, the Heijl-Krakau method is used to estimate the patient's fixation loss (FL) rate by presenting stimuli at the patient's blind spot. FL rates that exceed 40% may indicate an unreliable test.

False Positives

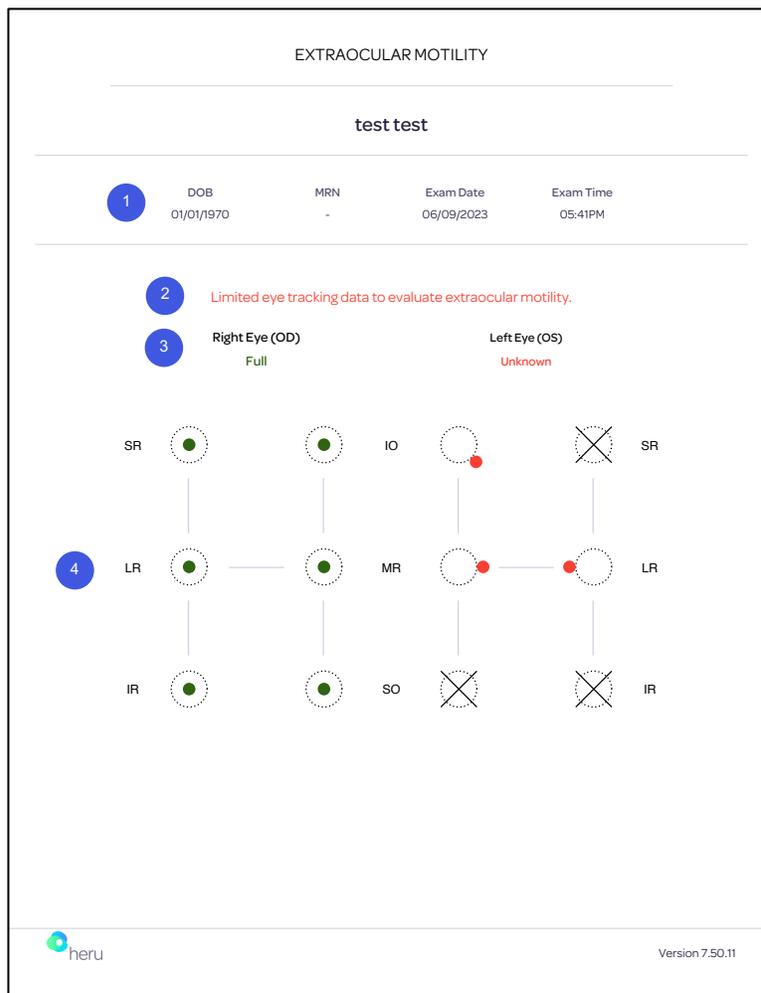
False positives (FP) are patient responses during small gaps in the rhythm of perimetric testing (positive catch trials) in which no stimulus is presented. The False POS Error rate is calculated as the ratio of FP answers to the total number of catch trials presented. FP rates that exceed 40% may indicate an unreliable test.

- 4 Visual field test locations and results
- 5 HMD serial number and software version

11.2. Extraocular Motility (EOM)

Heru Prime performs extraocular motility (EOM) testing to assess extraocular muscle function. A fixation target is presented to the patient in 6 cardinal gaze positions 28 degrees from primary gaze. Independent eye tracking continuously monitors the patient's gaze position to detect anomalies in extraocular motility.

The report displays patient data and test results.



1 Patient and test information

2 This warning message appears if the device is unable to track the patient's gaze during testing. Please ensure that the patient's eyes are open wide during testing, especially in down gaze.

3 Extraocular motility

Full

The patient's extraocular motility falls within normal range in all directions of gaze.

Not Full

The patient's extraocular motility is outside the normal range for 1 or more directions of gaze.

Unknown

The HMD was unable to track the patient's gaze in 1 or more positions.

4 Gaze information

Displays the patient's gaze information for each cardinal position of gaze.

-  Patient gaze falls within normal range
-  Patient gaze falls outside normal range. The direction of deviation is shown.
-  Unable to detect patient gaze

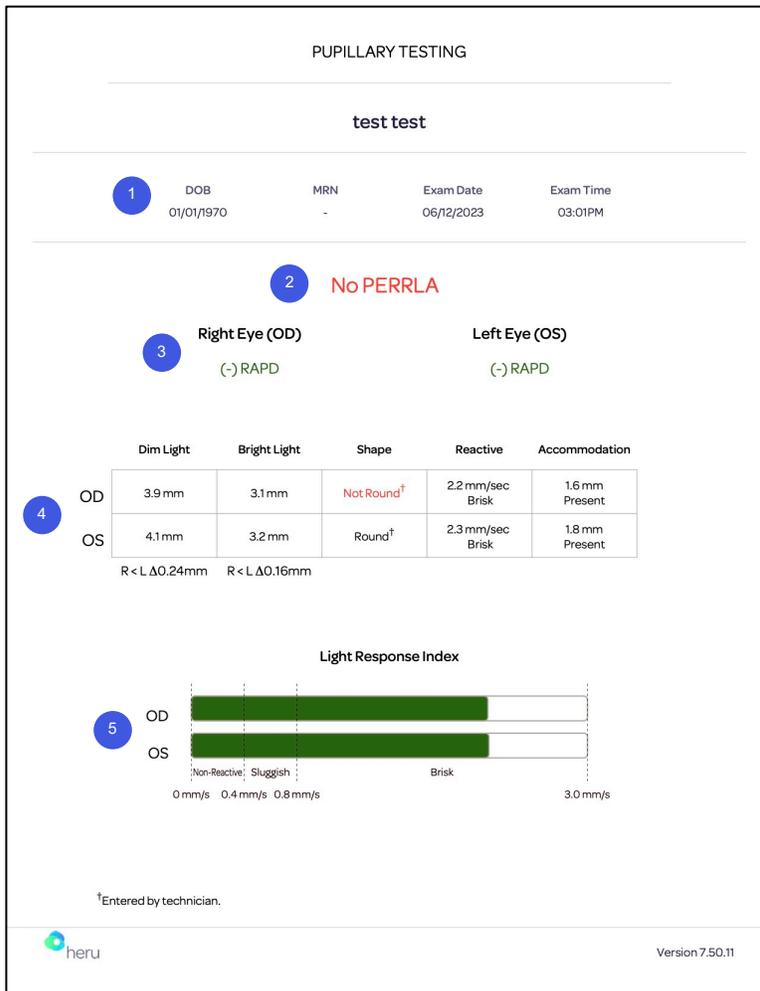


11.3. Pupil Test

Heru Prime performs pupil testing to assess direct and consensual light response, relative afferent pupillary defect (RAPD), accommodative (near) response and pupil size in dim and bright light.

A non-accommodative red target at optical infinity is presented to both eyes during light response, RAPD, and pupil size testing. Accommodative pupil testing is performed with a stereostimulus that moves from optical infinity to 40 cm. Independent eye tracking continuously monitors the patient's pupil size during testing.

The report displays patient data and test results.



1 Patient and test information

2 Pupil overview

PERRLA

Pupils equal, round, reactive to light and accommodation.

No PERRLA

Indicates that one or more of the following are outside normal limits: Pupil size symmetry, shape, reaction to light, or accommodative response. Metrics that fall outside normal limits are highlighted red on the report.

Limited eye tracking data to evaluate pupillary responses

The HMD was unable to track the patient's pupil or gaze during testing. Please ensure that the patient's eyes are open wide during testing, and keep blinking to a minimum.

3 Relative afferent pupillary defect is derived from the direct and consensual light responses from each eye.

4 Individual pupil metrics

Dim Light / Bright Light

Pupil diameter in dim and bright light for each eye. Pupil diameter is measured along the horizontal meridian.



Difference between right and left pupil size is shown below each column. A difference greater than 0.6 mm is highlighted red.

Shape

Pupil shape in each eye is manually input by the operator at the time of the appointment creation, not automatically detected by the HMD during testing.

Reactive

Indicates the speed of pupil constriction from light reactivity.

Accommodation

Indicates whether an accommodative pupil response is present. A 1mm or more change in pupil size indicates a positive accommodative response.

5 Light response index categorizes pupil reactivity as brisk, sluggish or non-reactive.

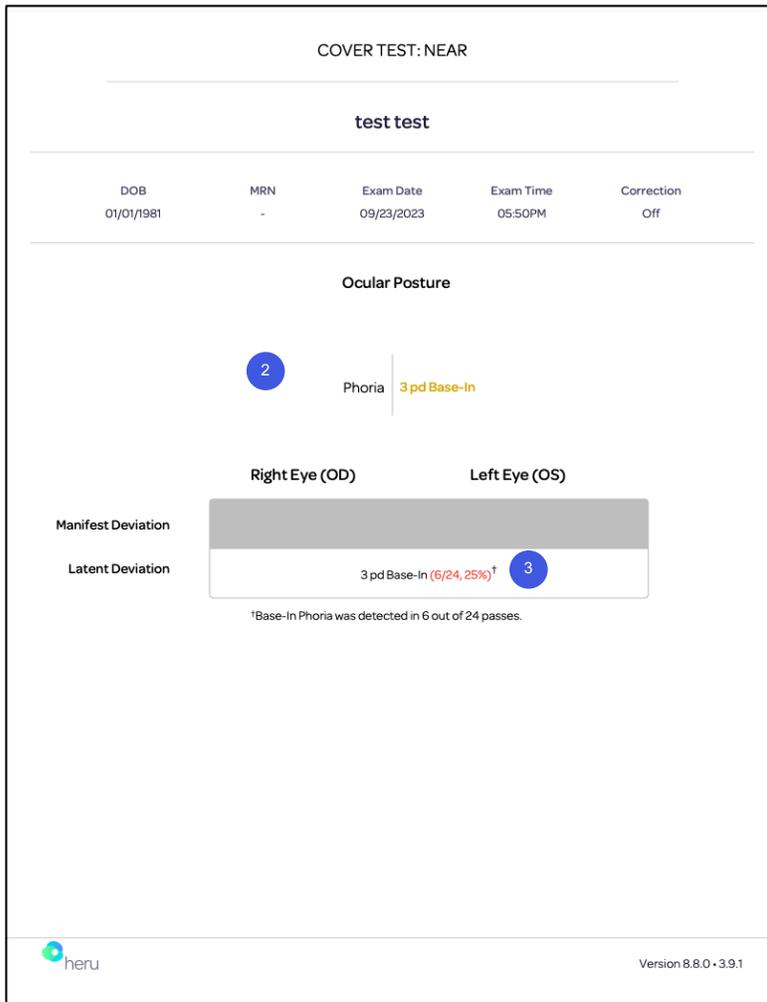
- | | |
|---------------------|--|
| Brisk | Pupil constriction speed ≥ 0.8 mm/sec |
| Sluggish | Pupil constriction speed 0.4 to 0.8 mm/sec |
| Non-reactive | Pupil constriction speed < 0.4 mm/sec |



11.4. Cover Test

Heru Prime performs distance and near cover testing to assess the presence, type, direction, and magnitude of ocular misalignment. A 20/100 fixation target is cyclically shown to both eyes and each eye independently, while tracking the patient's gaze position continuously to detect heterophoria (latent strabismus) and heterotropia (manifest strabismus).

The report displays patient data and test results.



1 Patient and test information

2 Ocular posture (deviation type, direction, and magnitude)

No tropia or phoria detected
No eye movement was detected during cover testing.

Phoria
The report will display the direction and magnitude of measured deviation.

Tropia
The report will display the laterality, direction and magnitude of measured deviation.

Limited eye tracking data to evaluate ocular alignment
The HMD was unable to track the patient's gaze during testing. Please ensure that the patient's eyes are open wide during testing, and keep blinking to a minimum.

3 Ocular posture quality metric shows the percentage of time the HMD detected a deviation. A manifest deviation that is present less than 100% of the time may indicate an intermittent tropia.



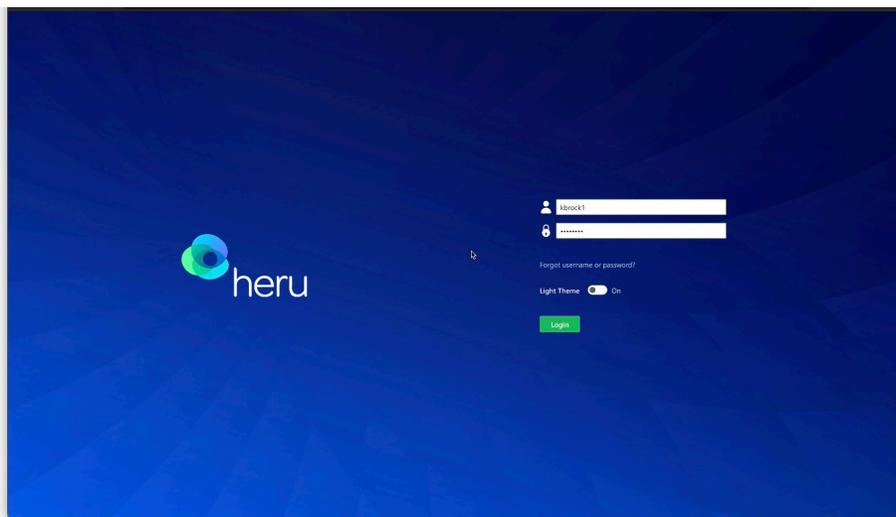
12. Step-By-Step Instructions

Before beginning the exam, confirm that you have successfully logged into the Heru Portal and powered on your HMD.

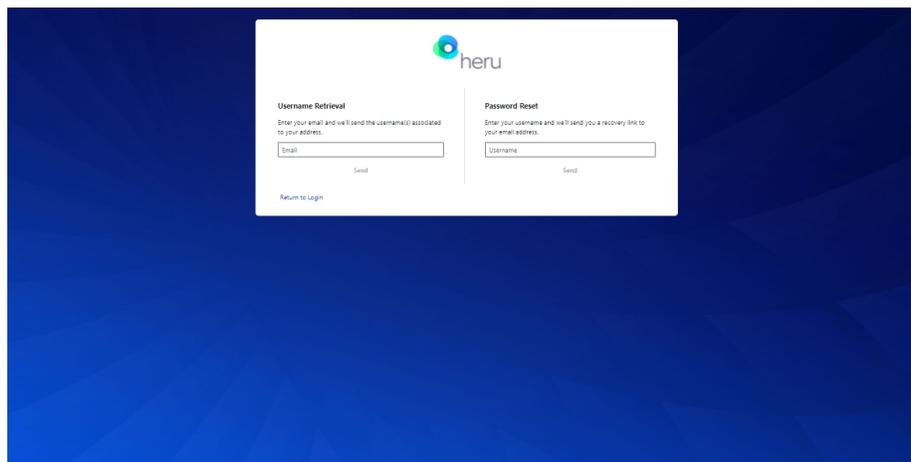
Note: Screenshots are for illustrative purposes.

12.1. Logging into the Heru Portal

1. Using your web browser, access the Heru Portal at <https://portal.seeheru.com>
2. Log in with your credentials.



3. If you forget your username or password, select “Forgot username or password” and use a registered email address to retrieve or reset your login credentials.



12.2. Heru Portal Overview

12.2.1. Title bar icons



Light Theme toggle – Change theme from light to dark for comfortable viewing in a dark room.

Alert – Notifications such as but not limited to pending errors or warnings from ongoing tests.

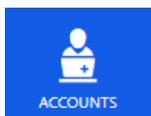
Information – Display information useful when contacting Heru, Inc. Customer Service.

The following information is displayed when you press the  button:

- Heru, Inc. About Us Information
- Software and Web Portal Version
- Contact Information
- Support Contact Information

Logout – Log out or sign in under a different user.

12.2.2. Operating icons



Accounts: Account management and enables multiple users to customize their preferred settings.



Appointments: View previous and scheduled appointments database and test data.



Patients: Create new patients, create new appointments for existing patients, and view or edit existing patient data.



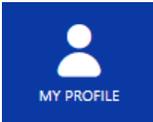
Devices: View list of devices associated with the clinic, check status of devices, and modify details such as name of devices.



FAQ: Frequently Asked Questions.



Account Settings: Available for account administrators to configure Heru portal account settings and defaults such as password strength and expiration.



My Profile: Configure Heru portal contact details such as username or password.

12.3. Adding a New Patient and creating an appointment (testing session)

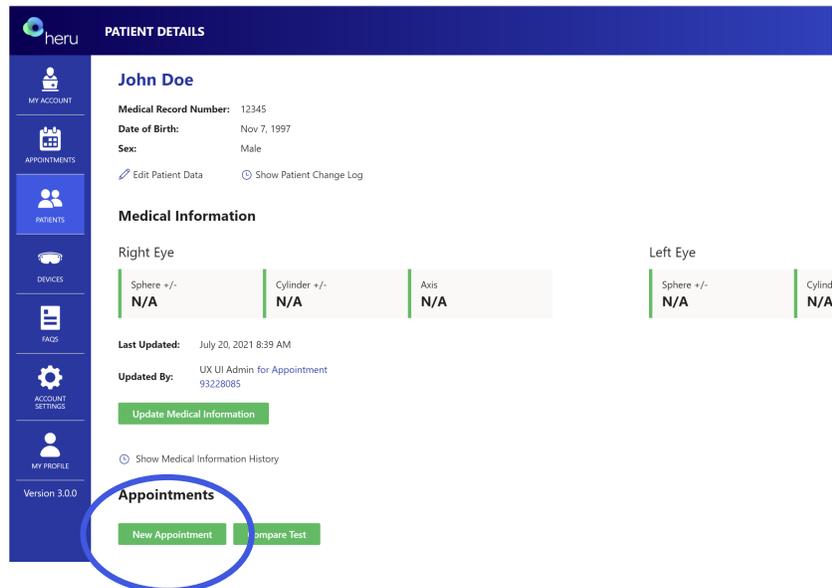
1. Click on “Patients” on the left side bar.
2. Click on “Create Patient”.
3. Patient Details page will open. Enter the patient’s details and click “Save Patient”.

The screenshot shows the 'NEW PATIENT' form in the Heru portal. The form is titled 'Patient Details' and includes the following fields and options:

- Prefix:** Text input field.
- First Name *:** Text input field.
- Middle Name:** Text input field.
- Last Name *:** Text input field.
- Suffix:** Text input field.
- Date of Birth *:** Date picker field.
- Medical Record Number (MRN):** Text input field.
- Sex *:** Radio button options for Male (selected), Female, and Other.
- User & Contact Data:**
 - Email:** Text input field.
 - Phone:** Text input field.
 - Status *:** Radio button options for Active (selected) and Suspended.

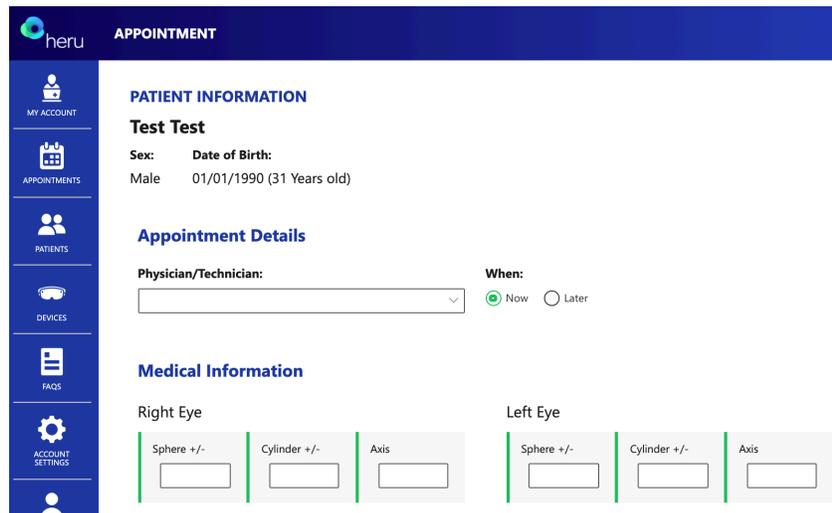
The 'Save Patient' button is highlighted with a blue circle.

4. Select “New Appointment” to create a new appointment.



The screenshot shows the 'PATIENT DETAILS' page for John Doe. The left sidebar contains navigation options: MY ACCOUNT, APPOINTMENTS, PATIENTS, DEVICES, FAQs, ACCOUNT SETTINGS, and MY PROFILE. The main content area displays patient information (Medical Record Number: 12345, Date of Birth: Nov 7, 1997, Sex: Male) and medical information for the right and left eyes. The 'Appointments' section is highlighted with a blue circle and contains two buttons: 'New Appointment' and 'Compare Test'.

5. Complete the “Patient information” section and confirm accuracy.



The screenshot shows the 'APPOINTMENT' page. The left sidebar is the same as in the previous screenshot. The main content area is titled 'PATIENT INFORMATION' and shows 'Test Test' with fields for Sex (Male) and Date of Birth (01/01/1990 (31 Years old)). Below this is the 'Appointment Details' section with a 'Physician/Technician' dropdown and 'When' radio buttons for 'Now' (selected) and 'Later'. The 'Medical Information' section shows input fields for Right Eye and Left Eye (Sphere +/-, Cylinder +/-, Axis).

6. Select the language, template (if needed), device, and tests you would like to apply. Turn ON/OFF the onboard technician (Heru Guide) for the appointment. You can begin testing directly from the New Appointments page or save the appointment for later.
7. Four customizable templates are available to streamline common appointments. Each template can be renamed and modified to suite the demands of your clinic.



PATIENT INFORMATION
001 001
Sex: Female **Date of Birth:** 01/01/1986 (37 Years old)

Medical Information ▾

Languages
English (United States) ▾

Template
VF Cover EOM PUPIL ▾ [Edit Template](#)

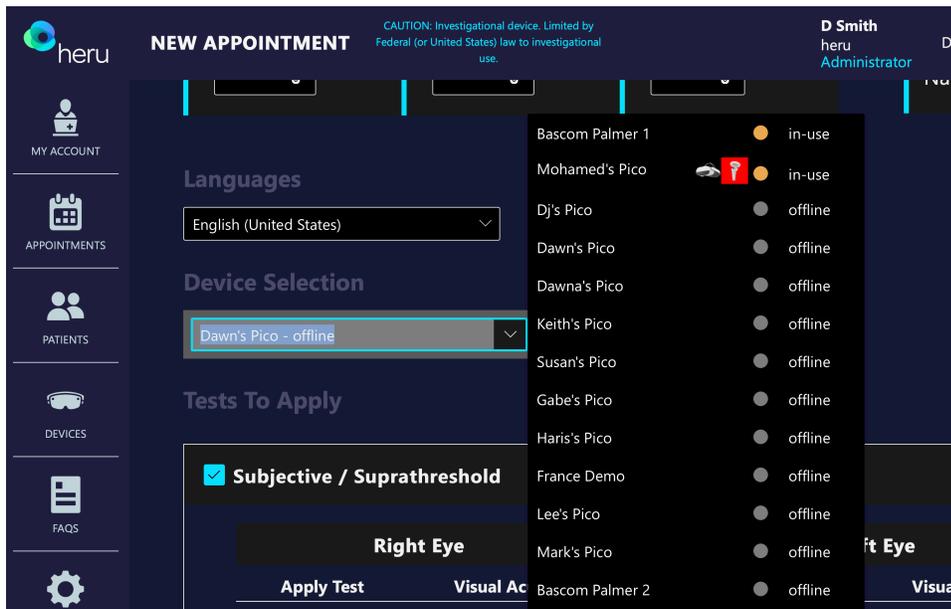
Device Selection
Bascom Palmer 1 - Offline ▾

Tests To Apply

Subjective / Suprathreshold

Right Eye		Left Eye	
Apply Test	Visual Acuity	Apply Test	Visual Acuity
<input checked="" type="checkbox"/>	<input type="text"/>	<input checked="" type="checkbox"/>	<input type="text"/>
Type	Fixation Monitoring	Correction	
Fast Pattern ▾	ActiveTrack™ ▾	<input checked="" type="radio"/> Correction	<input type="radio"/> No Correction

- When selecting a device from the dropdown menu, confirm the device you intend to use is online, available, and charged. If the HMD or the control icon is outlined in red, the device has dropped below 20% battery level and should be recharged before using. Click “Start” only after the device has been properly fitted to the patient and you are ready to begin the appointment. Pressing “Start” will initiate testing on the HMD.



12.4. Taking a Test

Before beginning the exam, confirm that the HMD is turned on. The Heru Prime application should load automatically, and the HMD should show up in the Portal as “available.”

All tests can be performed without pupil dilation (non-mydriatic).

12.4.1. Fitting the HMD on the Patient

1. Ensure that the battery of the HMD and controller are sufficiently charged.
2. The Heru Prime device has no refractive error adjustment, and does not use trial lenses. The HMD allows wearing most standard glasses with a frame width of less than 160mm.



3. If the patient does not wear habitual glasses or contact lenses for distance viewing, no correction is needed for testing on Heru Prime. If the patient wears habitual correction for distance viewing, they should wear appropriate vision correction depending on the test:



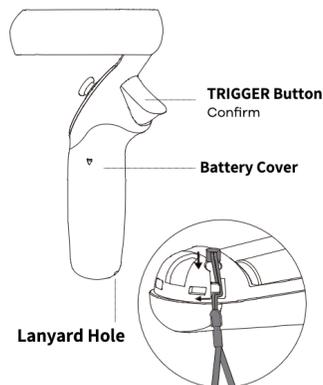
Instructions for Use
Heru Prime

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Rev 4

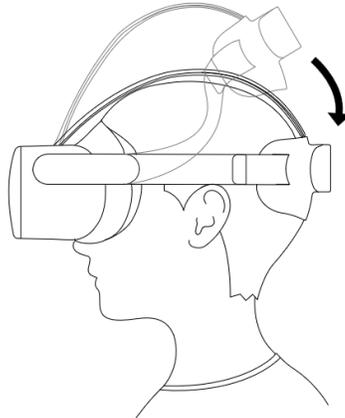
Modality	Glasses	Contact Lens	Uncorrected
Visual Field: Suprathreshold	*	✓	✓
EOM		✓	✓
Cover Test	✓	✓	
Pupils		✓	✓

* The Suprathreshold Visual Field test can be done with uncorrected refractive error between +6.00 to -6.00 diopters. If the patient has a larger refractive error, glasses or contact lenses are recommended.

4. If testing with glasses on, clean the patient's glasses prior to testing.
5. Clean the face pad and hand controller with 70% isopropyl alcohol. Be careful not to get any alcohol on the HMD lenses.
6. Orient the patient to the controller, showing them the trigger that they will press during the test. This should be the only button they press throughout testing.



6. Show the patient how the HMD expands. Open the headband all the way before handing to the patient. For patients wearing glasses during testing, pivot the head strap all the way up, carefully bring the headset up to the patients face over the glasses, then pivot the head strap back down into a horizontal position before tightening around the patient's head. Confirm the HMD is comfortably positioned on the patient's head.



7. Hand the controller to the patient and make sure they have their finger resting gently over the trigger and not pressing any other buttons.
8. The patient will see an alignment screen. Ask the patient to adjust the device on their head until the full circle is visible, and the "H" is in focus. This will ensure that the patient's view is unobstructed during testing and aligned to their eyes correctly.



NOTE: Poor positioning of the device can lead to artifacts and unreliable results. Always confirm with the patient that the circle is in full view and that the "H" is sharp and in focus.

9. In the Heru Portal, select the patient, choose the tests to perform and set up appointment parameters.



- a. If Heru Guide is turned on, the patient will be given an interactive overview of the testing process through the HMD.
 - b. If Heru Guide is turned off, the operator should instruct the patient how to perform testing.
 - c. Where gaze tracking is required, the Heru Guide will guide the patient through a gaze-tracking calibration by moving a white dot around the patient's field of view. The patient should follow the white dot with their eyes, while keeping their head stationary.
10. Click "Start" to begin testing.
 11. The test will start automatically. In most cases, no further interaction with the operator is required. During certain tests (like cover testing) the operator may need to interact with Exam View to advance the test.
 12. During the test, the operator can monitor the progress of the test on the Exam View.

12.4.2. Visual Field: Suprathreshold

1. The Suprathreshold Visual Field test can be done with uncorrected refractive error between +6.00 to -6.00 diopters. If the patient has a larger refractive error, glasses or contact lenses are recommended.
2. Confirm that the patient can see the full circle prior to starting visual field testing, as rim artifacts may occur if any part of their field of view is obscured.
3. Heru Prime has two fixation monitoring methods: ActiveTrack™ and Optic Nerve Head (ONH) monitoring. When using ActiveTrack™, the HMD will conduct real-time eye tracking during the exam. If a patient loses fixation during the test, stimuli will stop showing and the Heru Guide will encourage the patient to fixate while the fixation target wiggles to get their attention. Once the patient regains fixation the test will resume.
4. If the HMD continues to detect poor fixation, it will monitor the patient's fixation using ONH monitoring, which uses the Heijl-Krakau method to estimate the patient's fixation loss (FL) rate by presenting stimuli at the patient's blind spot. FL rates that exceed 30% may indicate an unreliable test.
5. Removing the headset will pause the test until the device is repositioned on the patient's head.
6. During the exam, the operator can monitor the test progress on Exam View:

12.4.3. Extraocular Motility

1. This test should be completed without glasses. Please ensure the patient has removed their glasses prior to testing. Patients may wear contact lenses during this test.
2. Confirm that the patient can see the full circle prior to starting EOM testing, as poor fit may lead to unreliable results.
3. Encourage the patient to follow the fixation target, being careful to fixate on the target in the far periphery as much as possible.
4. Removing the headset during testing will restart the EOM test.
5. During the exam, the operator can monitor the test progress on Exam View.

12.4.4. Pupil Testing

1. This test should be completed without glasses. Please ensure the patient has removed their glasses prior to testing. Patients may wear contact lenses during this test.



2. The Heru Guide will instruct the patient when to blink or keep their eyes open. For best results, encourage the patient to follow the directions of the Heru Guide.
3. Removing the headset during testing will restart the Pupil Test.
4. During the exam, the operator can monitor the test progress on Exam View.

12.4.5. Cover Test

1. This test should be completed with vision correction. Please ensure the patient has their glasses or contact lenses on prior to testing. When creating the appointment in the Portal, designate if the patient is using near or distance vision correction.
2. If the patient wears glasses, the Exam View will remind the operator to confirm that the patient is wearing proper correction before auto-progressing into the exam.
3. Removing the headset during testing will restart the Cover Test.
4. During the exam, the operator can monitor the test progress in the portal's Exam View.

12.5. Viewing the Results

After the patient takes the test, the results will appear in the Heru Portal.

VF - Subjective - Suprathreshold
OS: Completed

APPOINTMENT STATUS VISIT DATE/TIME PATIENT: MRN: SEX: DATE OF BIRTH: PHYSICIAN/TECHNICIAN: DEV ADMIN

Compare with Other Exam View And Test Parameters Run Test Again

Appointment Linked to: 2021-07-07-00-ML / Magic Leap

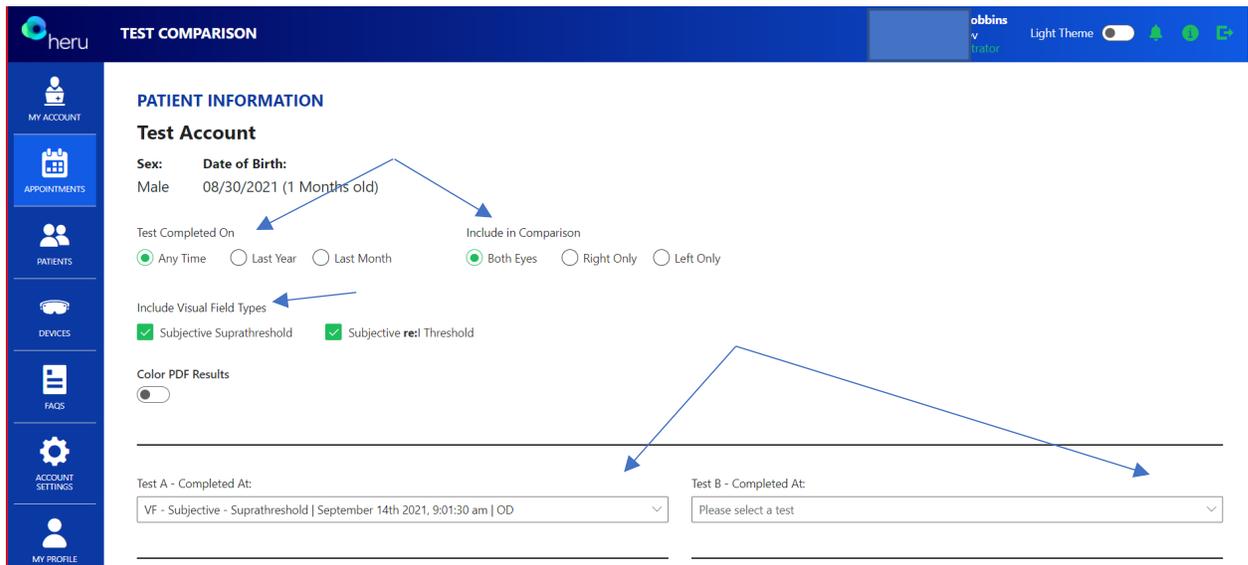
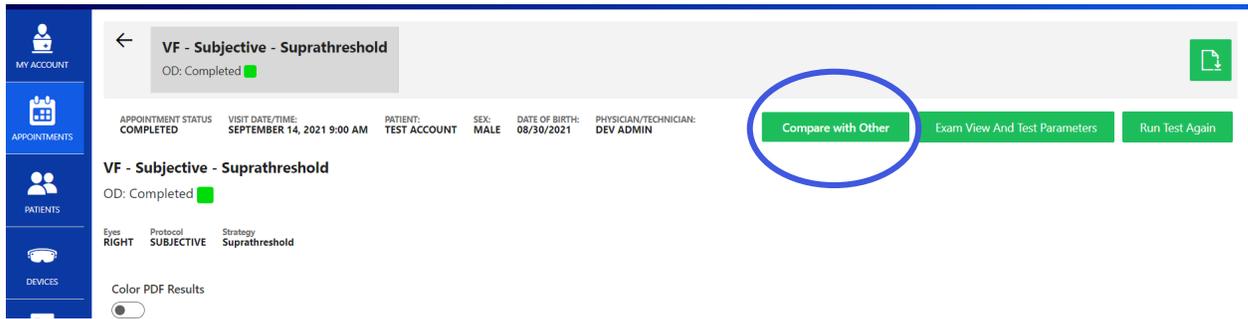
Color PDF Results

Left Eye

Central 24-2 Suprathreshold Test				Left Eye
Aug 22, 2021 - 11:48 PM				
Fixation Monitor	ActiveTrack™	Strategy	Suprathreshold	Age 51
Stimulus	Dynamic, White	Input	Clicker	VA Not Provided
Foveal Threshold	N/A	Fixation Losses	NA	Rx S C
Background	Black	False POS Errors	0/0 0%	
Test Duration	0:29	False NEG Errors	0/0 0%	

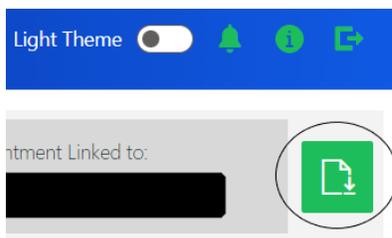
A list of all tests can be found under the Appointments tab. Clicking on the patient's name will open the test results from that appointment.

When available, the user has the option to compare tests side-by-side, by selecting Compare with Other. Select the timeframe, laterality, and visual field types to filter the list of tests, then use the dropdown to select the tests for comparison.



12.6. Printing or Saving Test Results

From the Results screen, click the download icon in the upper right-hand corner to save or print test results.



12.7. Powering the HMD On and Off

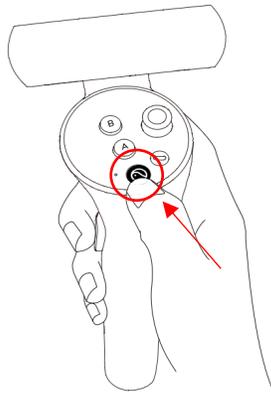
The HMD is a battery powered device and requires power management. Heru Prime should give 3 hours of continuous use between charging.

The battery level can be monitored from the Portal when selecting a device or running a test. The HMD also has an indicator light:

- Blue – powered on with battery over 20%
- Blue flashing – shutting down
- Green – charging and battery is more than 98% or charge is complete
- Red – charging and battery is less than 20%
- Red flashing – battery is less than 20%
- Yellow – charging and battery is less than 98%
- Off – sleeping or powered off.

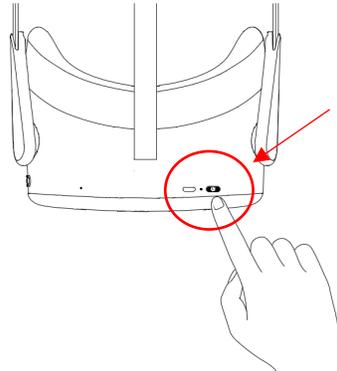
The HMD should be powered off every night to ensure proper charging and stability of the instrument software. New software is pushed through Over-the-Air (OTA) updates regularly but can only be applied by rebooting the HMD.

To power off the HMD, exit the Heru application by pressing the Home button on the hand controller.



On the main menu, select the battery icon at the top of the screen using the trigger on the hand controller. This will be located directly below the date and time.

You may also long-press the power button on the device.



13. Troubleshooting

Issue	Resolution
Cannot find the HMD you need when creating an appointment	<ul style="list-style-type: none"> • Confirm the HMD is on the “Click any button to continue screen” • Confirm the HMD is charged and connected to the local WiFi network • Confirm the HMD is not “In Progress” with another appointment • Confirm the color of the HMD and hand controller match the color selected when creating an appointment
HMD screens are black, but can still hear the application audio	<ul style="list-style-type: none"> • Confirm the room lighting is ON • Confirm there is no one and nothing directly in front of the patient • Confirm the patient is facing a wall with some features (corner, picture/poster, etc.) • Confirm the eye tracking cameras are clean and free of obscurations • Exit the application using the Home button on the hand controller. Hit the Home button again and Close the Heru Application. Hit the Home button again to reach the Applications page, and restart the Heru Application.
Cannot log into the Heru Portal	<ul style="list-style-type: none"> • Confirm you are connected to the Internet • Confirm you are using a supported web browser (see section 14) • Reset your password. Select “Forgot username or password” from the login screen and use a registered email address to retrieve or reset your login credentials.



Issue	Resolution
Cannot create an appointment	<ul style="list-style-type: none">• Confirm all the required fields on “Create appointment” section are completed.• Confirm that the appointment is not created for a past date/time.
Ambient light leaking into patient’s field of view	<ul style="list-style-type: none">• Readjust the device and confirm the fit is snug. Ensure there are no sources of light directly behind the patient.
Test interrupted	<ul style="list-style-type: none">• Confirm that the HMD’s battery is more than 50% charged. If not, connect the HMD to power with the charger. The test can be performed while the HMD is charging.
Patient cannot see the not full circle on the introduction screen	<ul style="list-style-type: none">• Ask the patient to adjust the position of the HMD on their head until the full circle is visible, and the “H” is in focus.
Results do not appear on the Heru Portal	<ul style="list-style-type: none">• Confirm the HMD and Portal are connected to the Internet.• Confirm you are using a supported web browser (see section 14)



14. Technical Specifications

Component	Attribute	Value
PICO Neo 3 Eye	Field of View	98 degrees
	Interpupillary Distance (IPD) Range	58 – 69mm (auto)
	HMD Battery Life	4 hours
	Controller Battery Life	160+ hours
Network Recommendations	Internet	Outbound, port 443 Upload speed: 5 Mbits/s Download speeds: 10 Mbits/s
Web Browser Requirements		Windows: Microsoft Edge (minimum version 81) Windows or macOS: Google Chrome (minimum version 80) iPad: iPadOS 15 or newer, Safari or Google Chrome (current version)



15. Contact Us

Headquarters

Heru, Inc.
201 S. Biscayne Blvd
Suite# 2866
Miami, FL 33131

For **General Inquiries** contact us at:
help@seeheru.com

For **Service & Support** contact Heru Customer Care:
support@seeheru.com
Regular hours of operation
M-F, 8:00 a.m. – 6:00 p.m. EST
Phone: +1 (844) SEE-HERU



16. APPROVAL

Documentation Control				
Review and Approval	Organizational Area	Representative(s)	Signature	Date
	Change Owner	Keith Brock		
	Development Management	Dj Padzensky		
	Program Management	Dawn Smith		
	Quality/Regulatory	Keith Brock		
	Software/ Quality Engineering	Rony Kashem		
	Product Management	Dawn Smith		