

NuCaption

**Real-Time Solution for the Deaf,
Hard of Hearing & Deaf-Blind Community
User Manual**

NuCaption Quick Start Guide

For immediate use, follow the abbreviated instructions below. For detailed guidance, please refer to the full user manual.

Charging the Samsung Galaxy S20 Phone

- The NuEyes Pro 4 Smart Glasses rely on the Samsung Galaxy S20 for power.
- Charge the phone using the USB Power Adapter and USB to USB-C Charging Cable.

Wearing the Glasses

- Place the NuEyes Pro 4 glasses on your head.
- Adjust the nosepiece by gently pinching or opening the nose pads for comfort.
- Attach or remove the tinted magnetic lens cover as desired.

Connecting the Devices

1. Power On the Phone
 - Press and hold the start button (lower right-side) on the Samsung Galaxy S20 for 3-4 seconds.
 - After boot-up, press the button again briefly and swipe up to reach the home screen.
 - Locate the NuEyes NuCaption App on the home screen.
2. Connect the Glasses
 - Plug the USB-C to USB-C Right Angle Connection Cable into the rear of the left arm of the glasses.
 - Connect the other end to the phone's USB-C port (bottom of the phone).
3. Launch NuCaption App
 - Tap the NuCaption App on the phone. The app will display on the glasses within a few seconds.

Using NuCaption

Starting Real-Time Captioning

1. Ensure the app is open and the glasses are connected.
2. Tap the "Listen" button (it turns green when active).
3. Spoken words will appear as text on the display screens on the glasses.

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Introduction

The NuCaption system, when paired with the NuEyes Pro 4 Smart Glasses, offers an innovative real-time speech-to-text solution designed to empower individuals who are deaf, hard of hearing, or deaf-blind. By seamlessly converting spoken words into instant captions displayed directly in the user's field of view, NuCaption enhances communication and accessibility in everyday interactions. Leveraging the advanced technology of the lightweight and powerful NuEyes Pro 4, users experience hands-free, real-time captioning that fosters independence, engagement, and improved quality of life.

Package Contents

NuEyes Pro 4 AR/MR Smart Glasses
USB-C to USB-C with Right Angle Connection Cable
USB Power Adapter and USB to USB-C Charging Cable
Samsung Galaxy S20 Phone (preloaded with NuCaption App)
Carrying Case

Getting Started

Charging the Samsung Galaxy S20 Phone

The NuEyes Pro 4 Smart Glasses draw power from the connected Samsung Galaxy S20 smartphone via the USB-C to USB-C with Right Angle Connection Cable. The NuEyes Pro 4 glasses do not have an internal battery and do not require independent charging. It is recommended to fully charge the Samsung Galaxy S20 phone before use.

1. Samsung Galaxy Phone:

Connect the phone to the USB Power Adapter and USB to USB-C Charging Cable and plug it into a power source. Charge the phone until the battery indicator shows full.

2. NuEyes Pro 4 Smart Glasses:

Place the glasses on your head and adjust the nosepiece to ensure a comfortable fit and optimal screen positioning in front of your eyes. (Tip: the nosepiece can be adjusted manually by gently pinching or opening the nose pads. The nose pads both open and close and can be positioned front to back through gentle manipulation). If needed, the diopters can be adjusted using the manual dials located at the top of the glasses, above both the right and left screens. Diopter adjustment is only required if the screen image is not clearly visible. The glasses feature a dark tinted magnetic lens cover that can be easily removed or reinstalled by gently placing it into position.

Connecting the Devices

1. Powering On the Phone:

Turn on the Samsung Galaxy S20 phone by pressing the lower & smaller start button on the right side of the phone for approximately 3-4 seconds. The boot-up process takes several seconds. Once the phone has fully started, press the start button on the phone again for a second and swipe up to enter the home screen. You will be able to see the NuEyes NuCaption App on the home screen.



2. Connect the Smart Glasses:

Plug in the USB-C to USB-C with Right Angle Connection cable into the NuEyes Pro 4 glasses. (Tip: The right angle port plugs into the rear of the left side arm of the NuEyes Pro 4 glasses)
Connect the other end of the USB-C to USB-C with Right Angle connection cable to the phone's USB-C port at the bottom of the phone.

3. Launch NuCaption:

Open the NuCaption App on the phone by tapping once on the app. The NuCaption App will appear on the screen of the glasses within a few seconds.

Using NuCaption

Starting Real-Time Captioning

1. With the NuCaption App open and connected to the glasses via the USB-C to USB-C with Right Angle Connection cable, you can begin to use the device.

2. Start Captions:

Tap the "Listen"  button in the App.

When you tap the "Listen" button it will turn from blue to green and the device will be listening. Spoken words will now appear as text on the NuEyes Pro 4 screen display.

3. To Adjust Text Display:

In the App's "Settings"  menu users can adjust Language, Text Color, Text Size, and Text Background for optimal readability.

Customizing Display Settings

Language: Choose from English, Spanish, or French.

Text Color: Choose from White, Orange, or Green high-contrast color options.

Text Size: Choose from Small (4 Lines on screen), Medium (3 Lines on screen), or Large (2 lines on screen).

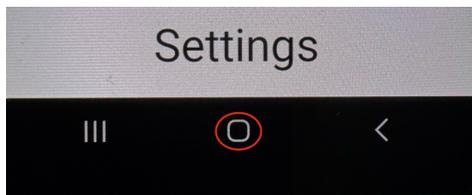
Text Background: Choose from Transparent or Block to adjust the background for better visibility in different lighting environments.

Offline Mode

NuCaption is designed to be fully functional without the need for internet or cellular access. The only time the device will need to be connected to Wi-Fi is for NuCaption App updates. We will notify you of any updates available via email notifications.

Powering Down

To turn off NuCaption, you may unplug the USB-C to USB-C cable from the phone and the glasses. Press the Home Screen icon at the bottom of the screen to exit the NuCaption App.



Then press the start button (smaller of the two buttons) on the right side of the Samsung Galaxy S20 Smart Phone for approximately 2 seconds. Tap the Power off  button on the screen. The phone will ask you to tap the Power off  button a second time and the phone will shut completely off.

Maintenance and Care

Cleaning:

Use a soft, dry cloth to clean the lenses and frame of the glasses.

Avoid liquid cleaners and abrasive materials.

Storage:

Store the glasses and accessories in the provided carrying case.

Keep devices in a cool, dry place away from direct sunlight.

Troubleshooting

No Captions Displayed:

1. Ensure the USB-C to USB-C cable is securely connected to both the glasses and the Samsung Galaxy S smartphone. If the connection is uncertain, disconnect the cable and reconnect it firmly.
2. Verify that the NuCaption app is running.
3. Ensure the Listen  button is green to indicate that NuCaption is in listen mode.

Poor Caption Accuracy:

1. May require the phone / App to be re-booted.
2. Please disconnect all cables from the phone and glasses.
3. Power off the Samsung Galaxy S20 phone completely.
4. Power the phone back on and reconnect the glasses via the USB-C to USB-C cable.
5. Activate the App from the home screen.
6. Tap the Listen  button and ensure that it turns green for listen mode.

Additional Troubleshooting:

Please call or email our support team at: info@nelowvision.com or 1 (888) 211-6933, Extension 1.

Technical Specifications:

NuEyes Pro 4 Glasses:

Weight: 102 grams

Display: 1080p Binocular OLED

Field of View: 43°

Camera: 12 MP

Connection: USB-C

Sensors: Gyroscope, Accelerometer, Light and Distance Sensors

NuCaption App:

Compatibility: Android devices with USB-C

Offline Capability: Yes

Real-Time Processing: AI-based speech-to-text conversion

Users will receive notification of future application upgrades

Warranty:

NuCaption is backed by a One (1) year limited warranty covering defects in materials and workmanship under normal use. If a defect arises within One (1) year from the original purchase date, we will, at our discretion, repair or replace the defective unit at no charge.

This warranty does not cover damage resulting from misuse, accidents, unauthorized modifications, improper maintenance, or normal wear and tear. It also does not cover accessory items.

Additionally, the warranty does not cover any issues resulting from modifications made to the provided Android OS by the client. The client assumes all responsibility for any and all changes they choose to make to the device's operating system, including but not limited to downloading or using third-party Android applications, altering system settings, or making unauthorized modifications. Any software-related malfunctions or performance issues arising from such changes are not covered under this warranty.

This warranty is non-transferable and applies only to the original purchaser. Any implied warranties, including those of merchantability and fitness for a particular purpose, are limited to the duration of this warranty.

Success Tools for Your Experience

Our commitment to your success does not end at your purchase. We are here to help and provide seamless support from day one.

A Guided Introduction to Your Device

Video Orientation

Our video orientation provides a comprehensive introduction to your device, guiding you through initial setup, viewing options, and best practices for optimal use.

Technical Guidance

Our technical guidance offers in-depth support on the technical aspects of your device to ensure peak performance and to troubleshoot any issues you may encounter.

Assistance When You Need It

Our phone support service connects you directly with a team of specialists who are ready to assist with any questions or challenges you may face.

Ongoing Support for Your Success

With our Success Tools, you're never on your own. We're dedicated to supporting you with comprehensive resources and responsive assistance every step of the way. Whether you need a quick answer or detailed guidance, our team is here to help you fully harness the power of your device.

Customer Support

Please call or email our support team at: info@nelowvision.com or 1 (888) 211-6933, Extension 1.

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