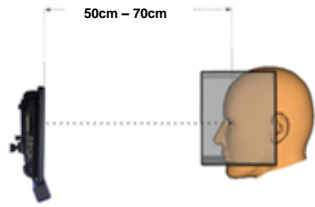


## Settings & Setup Quick Reference Guide



### STEP 1 - Positioning:

Adjust the angle of the device until the front of your face and the display are parallel and between 50cm and 70cm apart.

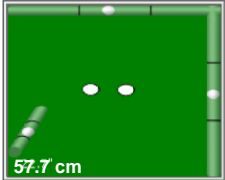
Ensure your device is fully charged and that the NuEye faceplate is clean. Do not let this plate get scratched when your unit is being stored or transported.

### STEP 2 - STARTING NuEye

1. Go to the **TOOLBOX**
2. Choose the **Access Method Menu**
3. Select **Choose Different Access Method**
4. Select **Eye Gaze**

*\*Note: you may need to press 'pause/resume' to pause the system during setup*

### STEP 3 - EYE TRACK STATUS



Before starting the Calibration process, you need to make sure the user is properly aligned to use NuEye – use the EYE TRACK STATUS. To make the Eye Track Status box appear or disappear, choose ON or OFF. When ON, white circles (pupils) should be in the center of the box. Try to align the white balls between the hash marks to position (left/right, up/down, and forward/back) the user.

Touching the Eye Track Status box with your finger will cause the system to pause or resume. The box will turn **RED** when paused and **GREEN** when active. Select large or small in the TRACK STATUS SIZE, to adjust the size of the box. (If set to small, the eye track status box is in the upper right hand corner of the screen, enabling you to see your alignment at all times).

### STEP 4 - CALIBRATING THE EYE

*\*\* Ensure all 3<sup>rd</sup> party programs and windows dialogue boxes are closed before calibrating. \*\**

1. Select **CALIBRATE NOW**.
2. A solid coloured screen will appear and the user will be shown a sequence of points.
3. Focus on the center of each point with your eyes as it moves across the screen.
4. When the calibration is complete the system will return to the Eye Gaze menu.

### CUSTOMIZE EYE GAZE SETTINGS

#### Pause/Resume

PAUSE/RESUME is a toggle button that both pauses and/or resumes the eye gaze access method from within the Access Method Menu.

*Tip: Insert **DISABLE POINTER** tool on a communication page key for user controlled pause function. See the general Accent Quick Reference Guide for instructions on inserting tools. Make the eye track status box small, so a communication partner can pause NuEye from communication pages.*

#### Selection Type (use UP/DOWN arrows to adjust)

1. **Auto** [DEFAULT]: key selections occur automatically in accordance with the chosen dwell time. Dwell Time is adjusted by using the UP/DOWN arrows.
2. **Blink**: selections occur manually by blinking. The duration of the Blink can be adjusted with the UP/DOWN arrows.
3. **Switch**: selections occur manually by activating a switch that is plugged into the NuEye system. This feature can also be used with the PRC Bluetooth switch.

#### Bluetooth Switch

Allows for pairing/unpairing of a Bluetooth switch if desired when SELECTION TYPE is via a SWITCH.

#### Auto Repeat

[DEFAULT = OFF]: Allows the user to select the same button multiple times by maintaining focus on the button for a selected period of time – Adjust with the UP/DOWN arrows.

*Tip: If **AUTO REPEAT** is OFF the user may repeat a key by looking away and then looking at the key again.*

#### Predictive Selection

[DEFAULT = OFF]: When turned ON blank keys on the screen are inactive and there is no visual feedback when you gaze at them.

This feature may help to minimize unintended selections when using NuEye within your vocabulary programs.

### POINTER SETTINGS

1. **Pointer**: [DEFAULT] The pointer is the on screen indicator that shows where eyes are gazing. Pointer settings allow change in pointer colour, pointer type, pointer size, pointer mode (animated or static), pointer border and pointer transparency.
2. **Highlight Keys**: When ON a red outline appears around each button when gazed at.
3. **Show Cursor**: When ON a real-time cursor appears on screen that is controlled with the eyes.
4. **Cursor Size**: Use arrows to choose small, medium or large cursor.
5. **Cursor Color**: Change colour of cursor.

### OFF-SCREEN KEY SETTINGS

1. **Off-Screen Pause Key**: When ON the user may PAUSE/RESUME NuEye Tracking system by gazing just above the top edge (middle) of the screen.
2. **Off-Screen Tools Key**: When ON the user may access the Tools key by gazing just beyond the left edge of the screen..

#### Activate Text Area

[DEFAULT = ON]: This allows the user to be able to speak all the text (speak display) in the text area.

*Note: Alternatively, a 'speak display' tool can be inserted onto any key.*

#### Copy Settings to All User Areas

Use this to copy the current eyegaze settings, including the calibration, to all user areas within the device.

### MANAGING EYEGAZE PROFILES

A 'profile' is a group of settings that offer a starting point for various levels of eyegaze users. Several profiles are built-in to NuEye. Existing profiles can be customized and new profiles added or deleted.

1. **Load Eyegaze Profile**: Choose this to select and load a preset profile.
2. **Save Current Settings to a Profile**: Choose this to save current eye gaze settings and calibration data as a profile.
3. **Delete Eyegaze Profile**: Choose this to delete a previously saved profile.

## CHANGING CALIBRATION SETTINGS

Found under 'CUSTOMIZE EYE GAZE SETTINGS'

- Stimulus Type** [DEFAULT = Point 2]: Refers to the stimulus used during calibration. Use the Up/Down arrows to select desired stimulus type: Pointer, Point 2, Cross, Image.  
To use image, set type to image, and select change image. In message box select YES to use an icon from the vocabulary software or NO to use image stored on the computer or removable media.
- Stimulus Size:** Use the Up/Down arrows to change the stimulus size.
- Active Eye** [DEFAULT = BOTH]: Use the Up/Down arrows to select right eye, left eye or both eyes during calibration and operation of the NuEye tracking system.
- Stimulus Speed:** Use the Up/Down arrows to choose between Very Slow, Slow, Medium, and Fast.
- Stimulus Sound:** during calibration can be turned on/off  
**Keyboard Step Through** [DEFAULT = NO]: Choose YES to allow the partner to step the user through calibration by pressing the Spacebar key on the keyboard when the user is gazing at the stimulus.
- Calibration Points:** The number of stimulus points the user must gaze upon for calibration. Use Up/Down arrows to select 0,1,2,5, and 9. The higher the number of calibration points the greater the precision of the tracking system.
- Calibration Area:** [DEFAULT = 100%]: The percentage of the screen used for calibration. Use the Up/Down arrows to adjust.
- Validate Calibration:** Data is provided immediately following the calibration when Validate After Calibration is set to YES and either TEXT or GRAPHIC. Validation data is expressed in numbers. The smaller the number, the better the calibration.

## WINDOWS ACCESS SETTINGS

Found under 'CUSTOMIZE EYE GAZE SETTINGS'

### Windows Clicks

'ON' allows for mouse clicks in windows using eye gaze. 'OFF' disables mouse click activations while maintaining cursor

control - useful with 'mouse over' or 'hover' activities in third party computer programs.

### Magnify Windows Clicks

ON provides an on-screen magnification in windows with each eye gaze activation. Useful when accessing very small targets.

- Magnification Factor:** range of 2x – 5x. Use the Up/Down arrows to adjust the magnification power.
- Magnification Area:** range 64 x 64 to 256 x 256. Use the Up/Down arrows to adjust the size of the magnification pane

### Windows Selection Type

You can set the type of selection method you want for Windows separate from NuVoice communication software. For example, you can use Dwell while using NuVoice and Blink while working in Windows.

### Windows Dwell Time

[DEFAULT = SAME]: The Up/Down arrows allow for a dwell time within Windows different from the dwell time within NuVoice.

### Mouse Post-Select

When turned 'ON' this will show a pop-up menu within Windows each time the mouse is clicked to allow the user to select the action for the click (e.g. left click, right click, double click, click & hold down).



### Settings:

- Configuration:** Use Up/Down Arrows to choose a box, horizontal or vertical configuration.
- Button and Font Size:** Use Up/Down arrows to adjust the size of the grid squares and the size of the function label font.
- Customize Button Functions 1-4:** Select the desired post-select button and then use the Up/Down arrows to select the function type. Additional adjustments

include the picture on the button, the text and button colour, and the text and button colour change when hovering.

## TRACKING AND ADVANCED SETTINGS

**Smoothing:** Increase smoothing to slow down response of pointer/cursor. Decrease smoothing to speed up response of pointer/cursor.

**Fixation Window:** Increase the size of the fixation window to make target selection easier for users with ocular motor or visual attention issues that may be impacting their ability to select targets. Decrease the size of the fixation window to improve the precision of the selection made for more advanced users.

## GENERAL TIPS

- Save all these settings as a PROFILE with the User's name.
- If you lose the eye positioning video. Make sure you are not too close or too far from the unit. Remember this unit is 50cm to 70cm, problems mostly occur when you are too close. If the system still does not detect. You should only have to switch from Touch to NuEye this should reset the connection.

## Windows Access

- If using dwell consider decreasing the dwell time when using Windows
- It may be preferable to use blink for windows, but this does not work for everyone – Blink allows you time to read the screen before selection.
- TURN OFF WINDOWS UPDATES – this is contrary to what should normally be done, but it prevents accidental updating during eyegaze use. Windows updates are better managed manually and periodically until you feel confident with the use of NuEye.

**Visual Feedback:** Provides an inverted flash when a key is selected.

- Select Tools, then **TOOLBOX**
- Choose **FEEDBACK MENU**
- Choose **SKIN OPTIONS**
- TURN **KEY VISUAL FEEDBACK**

## Liberator contacts

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(Option 2)