



NuEye Setup explained

DEVICE:

Ensure the device is fully charged and plugged in if possible. NuEye is very efficient, however low power can cause this and any other unit to get a bit erratic in terms of performance.

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

WINDOWS:

TURN OFF WINDOWS UPDATES – this is contrary to what should normally be done, but it prevents accidental updating during use of the unit. Windows updates are perhaps better managed manually and periodically until you feel confident with the use of NuEye.

TURN ON WIFI: log onto your local WIFI network and make sure everything is working in FireFox.

SET FIREFOX AS YOUR DEFAULT BROWSER: you are usually prompted to do this when you first start Firefox or switch from Internet Explorer to FireFox. DO NOT USE Internet Explorer as the computer access commands have been designed around FireFox.

NUVOICE SETTINGS

MAINT MENU / Windows Power Management: These settings help prevent disconnection between the NuEye and Accent 1200.

- I/O – set to Shutdown
- Auto Dim – OFF
- Auto Backlight – OFF
- Sleep – OFF

FEEDBACK MENU

- Turn Skins ON and SET to Skin Option 1 – this is the black background
- Turn Key Visual Feedback ON
- Select COPY THESE SETTINGS TO ALL USER AREAS (option is in the lower right corner.)

ACCESS METHOD MENU

- Select NuEye as your Access Method
- Set Eye Track status to ON and SMALL

CUSTOM SETTINGS:

- Your Choice – Blink or Dwell. If using glasses – go dwell – if not – use Blink.
- If using Dwell – Dwell time is faster on the Accent 1200 when compared to the ECO2, as it collects the points needed or selects faster than the EP module does due to the high accuracy. If the Dwell time on EP was .7 – consider setting dwell time to .9 on Accent1200 with NuEye. Once you are used to the faster speed, you can adjust the system back to .7 or less. If working with customers who only give you a glance or short fixation time, we suggest you continue to use .2 to .3 - if there is poor fixations, you sometimes need to collect it very quickly.

CALIBRATION:

- Stimulus Type – Point 2
- Size = 25
- Active = Both (Do not use this feature in 1.03, fully functioning in 1.04)
- Stimulus Sound = YES
- Calibration Points = 5
- Calibration Area = 100% - reduce to 90% if necessary as customer may or may not find dots at first.
- Validate – Text
- Eyegaze Calibration = Global

CALIBRATION TIPS

- ****MAKE SURE ALL 3D PARTY PROGRAMS AND WNDOWS DIALOGUE BOXES ARE CLOSED BEFORE CALIBRATING.****
- When calibrating, use validation at first (validation creates an opportunity to explain the individual's performance). Once the user seems to do fine with the system and is comfortable with her performance, this can turn this option off.
- Best performance is obtained when validation scores are less than .5 on either the x or y axis.
- If a score is greater than .5 attempt to recalibrate on time. With the instruction of "allow your eyes to converge on the red centre of the target." If improvement is not seen, some minor adjustments are required – increase size of target, decrease calibration area, and/or try keyboard step through.
- Ensure calibration settings are saved to all user areas. This will allow you to move from one user area to another without having to recalibrate.
- Start at 60 locations or lower – move up if the User is comfortable.

ADVANCED SETTINGS

Fixation Win x/y should be around 50 to 75. Larger is better for less accurate validation scores.

TRACKING

- Sample to Average – 20
- Accel – 0
- Accel Threshold – 25

POINTER

- Turn off HIGHLIGHT KEYS
- Pointer Type - Circle
- Pointer Size - 25
- Border Size - 4

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.

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 18 to 30 inches, 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.
- Lastly, if you switch between Essence and Unity... you will need to reset these settings. They do not carry through.

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