

Accent® with Empower®: NuPoint™ Head Tracking



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If you need to attach NuPoint to the device, please see the NuPoint User's Guide that was included in the box.

START HEAD TRACKING

1. Select **Menu > Toolbox**.
2. From the **User Settings** tab, select **Access Method**.
3. Select **Head Tracking & USB Input**.



Viewing Tracking Status

The LED on the front of NuPoint unit indicates the current tracking status.

Red indicates that the unit is on but is not tracking the user.

Green indicates that the unit is tracking the user.

This LED does not indicate that the NuPoint unit is paused/active. See "**PAUSE/RESUME**" below.

PLACE THE REFLECTIVE DOT

A package of silver reflective dots came with the NuPoint unit. Place a reflective dot on the forehead of the user between the eyes (or on the nose, brim of a hat, etc.). Or you can affix the dot to a pair of glasses (prescription or non-prescription).

The NuPoint unit calculates how light reflects off the dot to detect the user's head movement. The on-screen cursor moves in the same direction as the user's head movements.

POSITION THE DEVICE

It is recommended that the user sits parallel to the screen, or as nearly parallel as possible. The optimal distance is 18 to 30 inches away.

When the user is closer to the system, less head movement is required to move the cursor. When the user is further away, more head movement is required to move the cursor.

SET THE SELECTION TYPE

From the Head Tracking & USB Input window, there are two ways to activate a button:

- **Dwell [DEFAULT]:** Button selections occur automatically based on the dwell time (how long the cursor must hover over a button). Set the **Dwell Time**, 0 to 10 seconds. A default/typical dwell time is 1 second.
- **Switch:** Button selections occur by pressing a switch that is plugged into the device. This feature can also be used with the PRC AeroSwitch™ (see page 2). Set the **Switch Selection Time** (how long you have to press and hold down on the switch before a button is selected), 0 to 10 seconds. A default/typical switch selection time is 0.0.

OBSERVE PERFORMANCE

Observe the user's performance while using the factory defaults. This information will help you decide if adjustments are necessary. Note any difficulties.

The remainder of this quick reference guide outlines common adjustments.

Tip: Calibrate the cursor! For the most part, when idle and the user is centered and parallel to the screen, the cursor should be in the center of the screen. If the cursor settles too high or low or too far left or right, it needs to be calibrated.

In addition, if you feel as though you are straining to reach a target at the top, bottom, right, or left edges of the screen, the cursor needs to be calibrated. Calibration is best explained using an example.

If the cursor feels as though its resting position is too far to the left, you need to align your head with the cursor at the left edge of the screen to re-center the cursor. Conversely, if it feels too far to the right, you need to align your head with the cursor at the right edge of the screen to re-center the cursor.

PAUSE/RESUME

When NuPoint is the current access method, a Pause/Resume dropdown appears at the top center of the screen. When collapsed, the dropdown tells the current state of the tracker. When expanded, it tells what will happen if selected.

To Pause: When NuPoint is active, the dropdown will read **TRACKING is ON**. Expand and select to **PAUSE**.



To Resume: When NuPoint is paused, the dropdown will read **TRACKING is OFF**. Expand and select to **RESUME**.



Tip: If the person helping the user needs to touch the screen, be sure to PAUSE NuPoint first.

ADJUST TRACKING

Based on observations, if necessary, adjust tracking. From the Head Tracking & USB Input window, select the **Tracking tab** at the top.

- **Smoothing:** Increase smoothing to reduce the jitter of the cursor and to slow down the speed of the cursor.
- **Vertical and Horizontal Adjust:** Use Vertical Adjust and Horizontal Adjust to adjust the sensitivity of the cursor along the selected axis. 0 is visually the “slowest” setting and 10 the “fastest”.

A low Vertical or Horizontal Adjust (for example, 1) means you need larger head movements to move the cursor (greater range of motion).

A high Vertical or Horizontal Adjust (for example, 10) means smaller head movements will move the cursor (limited range of motion).

ADJUST FEEDBACK OPTIONS

Based on observations, if necessary, adjust what you see when you are dwelling on a button and what happens when you select a button.

1. Select **Menu > Toolbox**.
2. From the **User Settings tab**, select **Cursor, Dwell & Selection Feedback**.

Cursor:

- **Cursor** [Default = ON]: When ON, a real-time cursor appears on the screen in the shape of an arrow or hand.
- **Cursor Size:** Choose small, medium, or large.
- **Cursor Colour:** Using the Colors tab to the left, set the colour of the cursor.

Dwell Feedback:

- **Pointer** [Default = NONE]: The pointer is an on-screen indicator that shows what button the user is pointing to. Choose between none, circle, or square.
- **Pointer Size:** Choose between 1 and 10.
- **Pointer Animation:** Choose between none and shrink.
- **Pointer Colour:** Using the Colors tab to the left, set the colour of the cursor.

Dwell/Scan Feedback: Set how you want a button to look when you dwell on it. Choose between none, invert, border, or fill.

Selection Feedback:

To see a visual upon selection:

1. Select **Menu > Toolbox**.
2. From the **User Settings tab**, select **Cursor, Dwell & Selection Feedback**.

3. Select **Selection Feedback**.
4. Set Selection Feedback to **Invert, Border, or Fill**.

To hear a beep upon selection:

1. Select **Menu > Toolbox**.
2. From the **User Settings tab**, select **Cursor, Dwell & Selection Feedback**.
3. Select **Selection Feedback**.
4. Set Beep to **ON**.

ADJUST THE SPACE BETWEEN BUTTONS

1. Select **Menu > Toolbox**.
2. From the **Vocabulary tab**, select **Vocabulary Settings**.
3. Select **Button Preferences**.
4. Set Button Padding to a percentage between 0% and 40%.

SET HOW BUTTONS WITH NO CONTENT ACT

1. Select **Menu > Toolbox**.
2. From the **Vocabulary tab**, select **Vocabulary Settings**.
3. Select **Button Preferences**.
4. Set Empty Button Action to either **No Action** or **Go To Home**.

CONNECT SWITCHES TO THE ACCENT® DEVICE

- **Wired Switches:** Plug the switch into Switch Port A on the back of your device. The port will be marked with the letter A.
- **For a Wireless AeroSwitch:**
 1. Select **Menu > Toolbox**.
 2. From the **System Settings tab**, select **Devices & Connections**.
 3. Select **Switches**.
 4. Power on the AeroSwitch.
 5. Select **Connect**.
 6. Press the AeroSwitch to pair it with your device.

