

Tobii Dynavox Computer Control

User's Manual



User's manual Tobii Dynavox Computer Control

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1 About Tobii Dynavox Computer Control

1.1 Intended Use

Tobii Dynavox eye tracking technology has helped thousands of individuals with communication and mobility challenges to communicate and lead more independent lives. But what about those who want to take the next step and utilize everything their computer has to offer? Tobii Dynavox Computer Control is a new way to interact with and control your computer using eye tracking and offers a more intuitive experience that provides ultimate independence. Eye tracking technology has been around for many years but what makes Computer Control different is that it not only gives you the ability to control a computer with your eyes, but it considers the most intuitive and logical way for you to do this. This innovative approach, called 'Interaction First', allows you to use your computer comfortably and at your own pace, but also allows you to use your favorite software including browsing, email and games.

Interaction First allows the user to select the object that they would like to interact with, before they decide what they would like to do. This feels like a more natural and intuitive behavior and will help to reduce the numbers of failures.

Take full control of your computer with just your eyes. You can emulate all type of mouse actions, swipe actions and type in text with our software. We have also added smart shortcuts to make it even easier to access all parts of Windows!

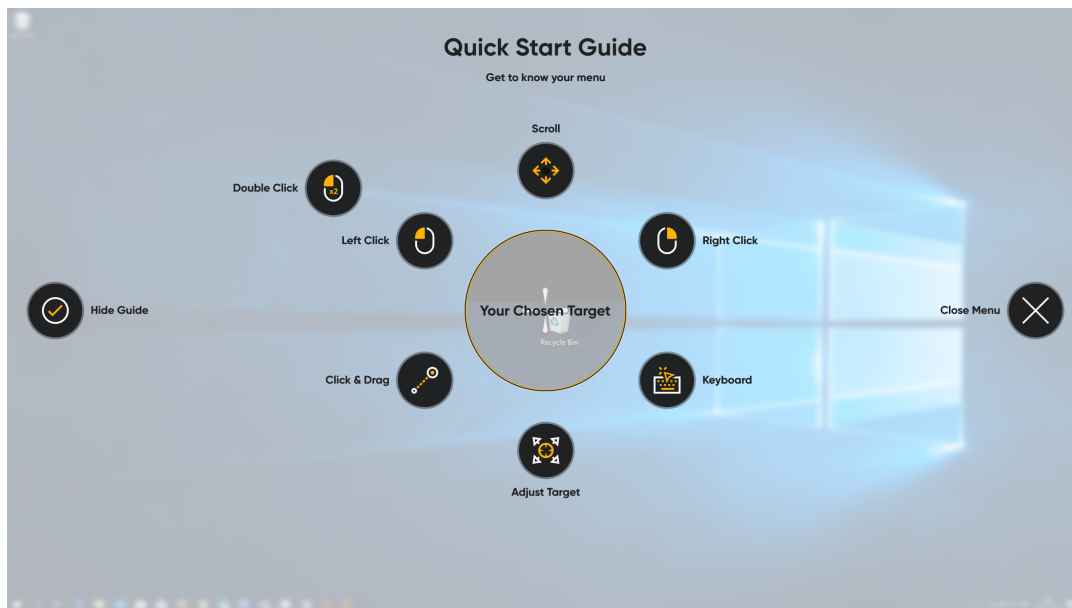
1.2 System Requirements


Component	Requirements
Computer and processor	i5-4200U @ 1.60 GHz (4th gen i5 with two cores / 4 threads)
Memory (RAM)	8 gigabyte (GB) RAM (recommended minimum).
Hard Disk	500 megabytes (MB) available.
Operating System	Windows 10
.NET version	4.7.2
Eye tracker	Tobii Dynavox I-Series I-13 & I-16
Additional requirements and considerations	Internet connection recommended for receiving updates.

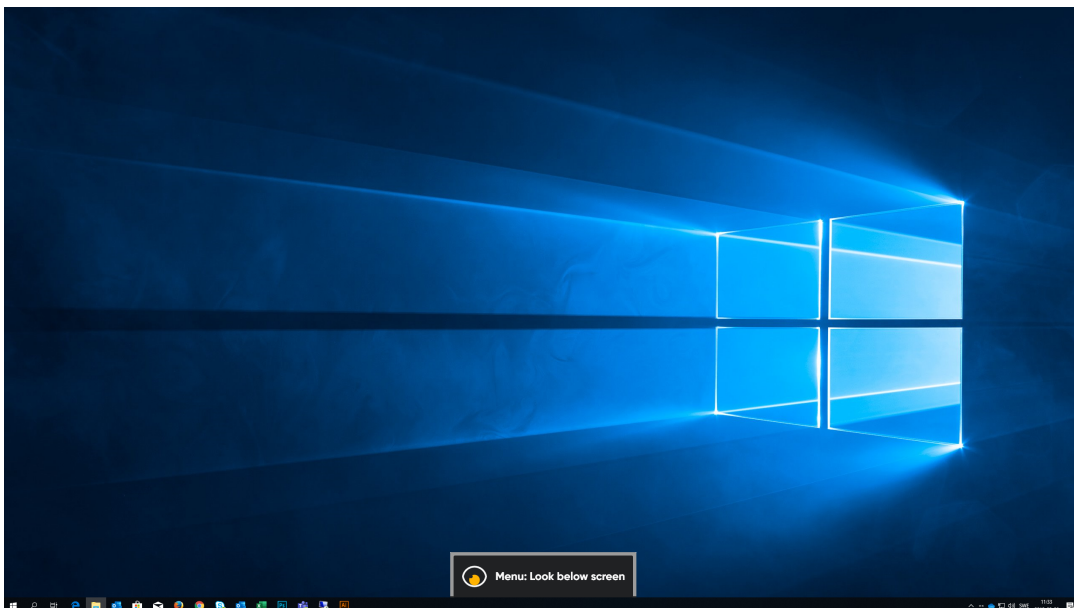
2 First Start Up

When Computer Control is launched for the first time the user will be go through the On-boarding. The On-boarding consists of these things:


1. The Splash screen.
2. The Welcome View.
3. The Track Status View (to show how the user is positioned in front of the eye tracker. (For more information, see [3.4 Track Status Box, page 13](#)).
4. Calibration View (For more information, see [5.2 Calibration](#)).
5. Term of Services View
6. Quick Start Guide View




When you selects the  (Hide Guide) button in the Quick Start Guide, a message will be shown in the middle lower part of the screen informing the user about how to access the Off-Screen Menu.




Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

The  popup will popup until the  (Off-Screen Menu) icon is selected by the user.

The first time the user selects the  (Off-Screen Menu) icon the Quick Start Guide for the Off-Screen Menu will show.



Selects the  (Hide Guide) button in the Quick Start Guide to exit the Quick Start Guide.

3 Overview of Tobii Dynavox Computer Control

3.1 The Trace

The Trace follows the users gaze. It will become visible when the user fixates the gaze and the Activator will become visible as well. The Trace is less opaque until the user fixates the gaze, then it becomes solid and the Activator shows. The Activator will always point towards the center of the screen, where the Interaction Menu will be located. The area between the small and the large circles locks on the position of the screen where the trace is located when the user fixates the gaze and a snap shot of the area inside the trace will be shown in the target area of the trace.. When the user exits the trace, the snap shot will be released and the trace will go back to its inactivated state. The trace works on all types of backgrounds.

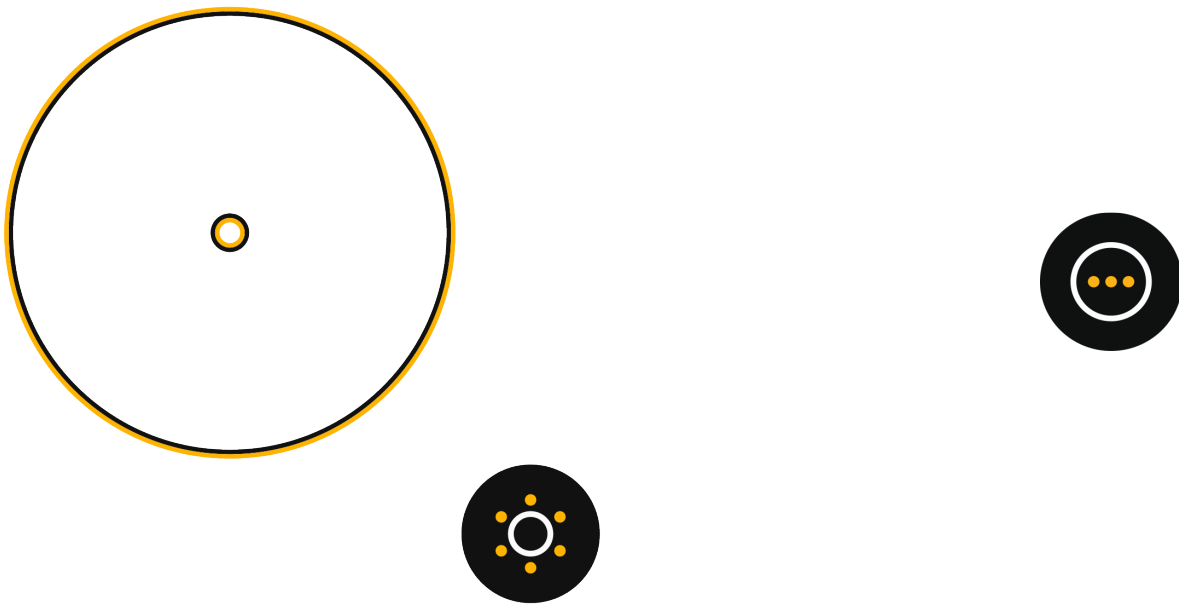



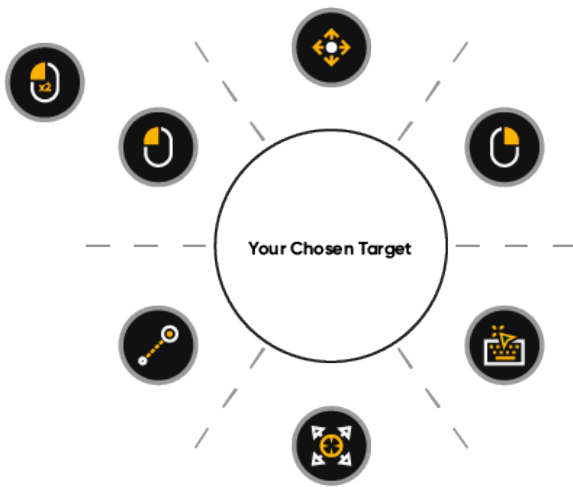


Figure 3.1 The Active Trace

Table 3.1 The Trace

Element	Action	Description
	The Trace	The trace is what gives the user feedback about where the user's gaze is on the screen. The trace will move around the screen following the users gaze. When the user fixates the gaze for a set time on the screen, the Activator will show up.
	Activator	Opens up the Interaction Menu. For more information, see 3.2 The Interaction Menu, page 9 .
	Off-Screen Menu	Opens up the Off-Screen Menu. For more information, see 3.3 The Off-Screen Menu, page 10 .







3.2 The Interaction Menu



The big circle, with the cross-hair in the center, in the middle of the Interaction Menu is a zoomed in snapshot of the target area. The cross-hair can be fine-tuned to aim precisely at the desired point within the target area. In *Table 3.2 Interaction Menu, page 9*, all actions available in the Interaction Menu are explained.

Table 3.2 Interaction Menu

Icon	Action	Description
	Scroll	<p>Action that, if performed on a scrollable window, enables a gaze-controlled way to scroll the page.</p> <ul style="list-style-type: none"> Look at scrollable area and hold your gaze, the Interaction Menu will open up. Select the Scroll action. Look above the scroll anchor to scroll up. Look below the scroll anchor to scroll down. Look to the left of the scroll anchor to scroll left. Look to the right of the scroll anchor to scroll right. Look at the Exit button located on the right-hand side to exit the scrolling Action. <p> Use the Gaze Scroll Task to scroll vertically in Modern UI apps and the Modern UI Windows Start Screen.</p> <p>For more information, see <i>4.1.2 How do I use Scroll in Tobii Dynavox Computer Control?, page 15</i></p>
	Right Click	<p>Action that performs a single right-click.</p> <p>For more information, see <i>4.1.3 How do I perform a Right-Click in Tobii Dynavox Computer Control?, page 16</i></p>
	Keyboard	<p>Action that opens an on-screen Gaze enabled keyboard for Gaze typing. This action also puts focus on the place where the user performs the action - which means, it makes a left-click and then opens the keyboard</p> <p>For more information, see <i>4.1.4 How do I Activate the Keyboard in Tobii Dynavox Computer Control?, page 16</i>.</p>

Icon	Action	Description
	Adjust Target	<p>Action for fine-tuning the Interaction Target on the screen.</p> <ul style="list-style-type: none"> Look at the position where you want to perform an action to open the Interaction Menu. Look at the Target Adjust Action Fine-tune the target area by moving the cross-hair in the target window, with your gaze, to hit the precise point of choice. Select the action to perform. <p>For more information, see 4.1.5 <i>How do I use the Adjust Target in Tobii Dynavox Computer Control?</i>, page 18</p>
	Click & Drag	<p>Action that performs a click, hold and, drag to release, where the first action represents the starting position for the drag and the second the drop position (to move objects or select areas).</p> <ul style="list-style-type: none"> Look at the object you want to move. Select the Click & Drag Action. Look at the drop position for the object. Select the Drop icon that appear on the screen when you hold your gaze on the drop position. <p>For more information, see 4.1.6 <i>How do I use Click & Drag in Tobii Dynavox Computer Control?</i>, page 19</p>
	Left Click	<p>Action that performs a single left-click, or for touch based devices, the equivalent of a single finger Tap.</p> <p>For more information, see 4.1.7 <i>How do I use Left-Click in Tobii Dynavox Computer Control?</i>, page 20</p>
	Double Click	<p>Action that performs a double left-click.</p> <p>For more information, see 4.1.8 <i>How do I use Double-Click in Tobii Dynavox Computer Control?</i>, page 20</p>
	Help	<p>Action that opens up a help page.</p>
	Cancel	<p>Action that cancels the Interaction Menu.</p>

3.3 The Off-Screen Menu

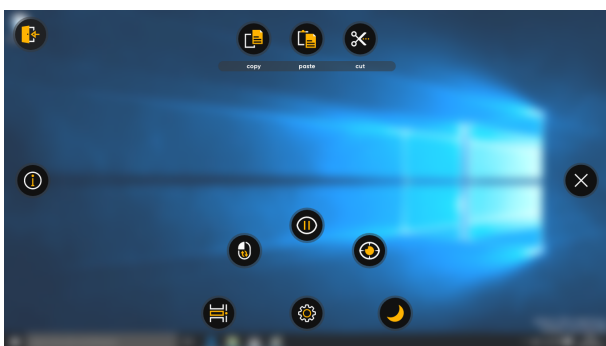









Figure 3.2 The Off-Screen Menu.

Table 3.3 The Off-Screen Menu

Icon	Action	Description
	Settings	Action that opens the Computer Control Settings. For more information, see <i>5 Computer Control Settings</i> .
	Continuous Click	Action that activates the Continuous Click action. <ul style="list-style-type: none"> Look at the Off-Screen Menu button to open the Off-Screen Menu. Select the Continuous Click Action. Look at preferred point/area and hold your gaze. The Continuous Click Menu will open. Select the Left Click Action to perform the left-click. Repeat the above until finished and select the Cancel Action button. For more information, see
	Pause	Action that pause the interaction until the Start Gaze button is selected.
	Quick Calibration	Action that opens the Quick calibration. For more information, see <i>4.2.7 How do I perform a Quick Calibration in Tobii Dynavox Computer Control?</i>
	Windows Time Line	Action that activates Windows Time-line. <ul style="list-style-type: none"> Look at the Off-Screen Menu button to open the Off-Screen Menu. Select the Windows Time-line Action. Select the Application to activate by fixating the your Gaze on that Application. For more information, see <i>4.2.4 How do I Activate Windows Time Line in Tobii Dynavox Computer Control?, page 22</i> .

Icon	Action	Description
	Exit Computer Control	Action that closes down and exits the Computer Control software.
	Cancel	Action that cancels the Off-Screen Menu.

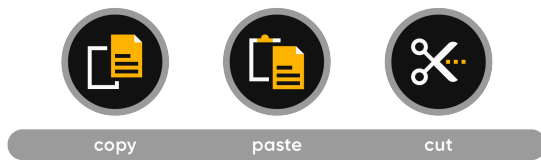





Table 3.4 Shortcuts Panel

Icon	Action	Description
	copy	Action that copies the selected item/text.
	paste	Action that paste the copied/cut item/text.
	cut	Action that cat the selected item/text.

3.4 Track Status Box

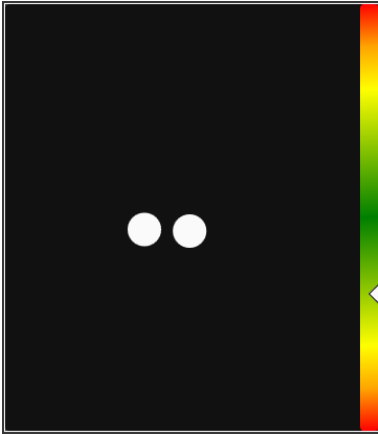


Figure 3.3 Track Status Box

The **Track Status** function is used to check if the user is correctly positioned in front of the eye tracker.

- The two (2) white dots — The users eyes and how they are positioned towards the screen. For optimal position, the white dots should be in the middle of the black area.
- The colorful bar on the left with the white arrow — How far or close the user is positioned from the screen.
 - If the white arrow is in the middle of the green area of the bar, the user is at the optimal distance from the screen.
 - If the arrow is in the lower part of the bar — move the user closer to the eye tracker.
 - If the arrow is in the upper part of the bar — move the user further away from the eye tracker.

4 Using Tobii Dynavox Computer Control

Tobii Dynavox Computer Control makes it possible for the user to control a standard Windows desktop operating system with a two step selection method which reduces the risks of unwanted clicks.



Most of the functions/actions in Computer Control are Touch and Mouse enabled which makes it easier for a Caregiver or Assistant to help the user if needed. The Caregiver or Assistant can select an Action or change the settings for the user much easier.

These functions/actions can not be performed without an Eye tracker:

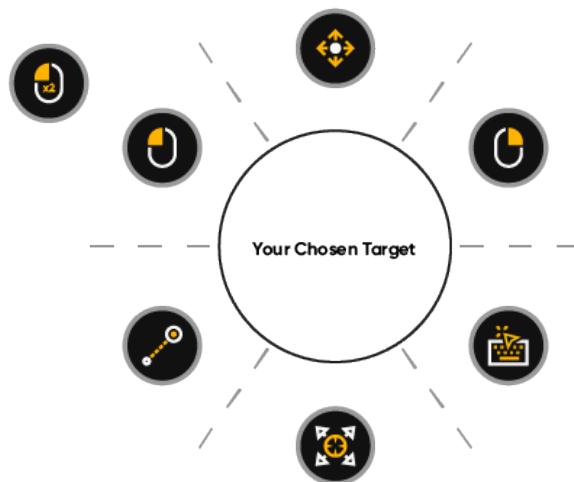
- Access the Interaction Menu
- Access the Off-Screen Menu
- Access the Resume button

4.1 The Actions in the Interaction Menu


4.1.1 How do I Perform an Action with Tobii Dynavox Computer Control.

1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.

2. Select the  (Activator) icon.
The Interaction Menu will open





3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.


- a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the action to be execute from the Interaction Menu or select the (close) button to cancel..

4.1.2 How do I use **Scroll** in Tobii Dynavox Computer Control?



1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.

- a. Select the  (Adjust Target) icon.
- b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
- c. Repeat until you have the preferred target inside the cross-hair.

4. Select the  icon from the Interaction Menu.

A scroll anchor  will be placed on the screen where the scroll action where called upon.

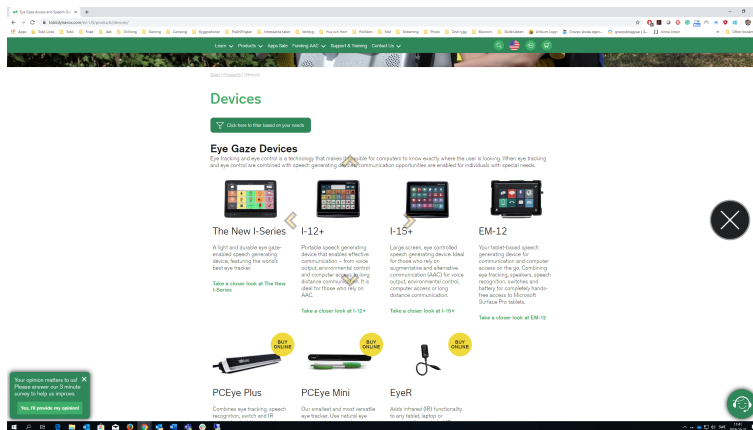






Figure 4.1 Scroll Anchor visible on the screen

5. Select which way to scroll:
 - Look above the scroll anchor to scroll up.
 - Look below the scroll anchor to scroll down.
 - Look left of the scroll anchor to scroll left.
 - Look right of the scroll anchor to scroll right.
 - Look in the area around the scroll anchor to pause scrolling.
6. Select the  (Close) button to exit scrolling.






4.1.3 How do I perform a **Right-Click** in Tobii Dynavox Computer Control?




1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.
 - a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the  icon from the Interaction Menu.

4.1.4 How do I Activate the **Keyboard** in Tobii Dynavox Computer Control?









1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.
 - a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the  icon from the Interaction Menu.
5. If needed, use the  (Move Keyboard Up) or  (Move Keyboard Bottom) buttons to move the Keyboard.

4.1.4.1 Keyboard

By selecting the  Keyboard function from the Interaction Menu, the Keyboard will launch as an on-screen keyboard. The Keyboard will always open on the opposite side of the screen to where you interacted. It's possible to move the

Keyboard by using the  (Move Keyboard Up) or  (Move Keyboard Bottom) buttons available when the Keyboard is active on the screen.

The Keyboard consists of four (4) keyboard pages. The user can easily switch between the different keyboard pages by selecting one of these buttons ,  or  buttons located in the top right corner of the Keyboard or the  located in the top left corner on the Numbers and Extended pages.

The key on the keyboard where the user is gazing will be indicated by a light frame around the character/function  on the key and when the key is selected it will change color briefly to the set activation color .

The four keyboard pages are:

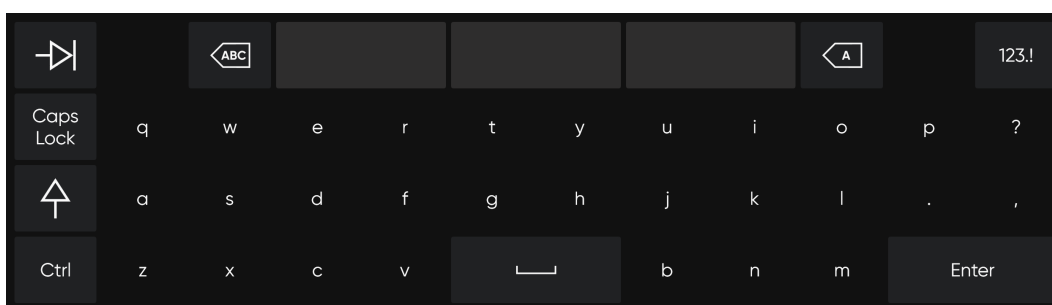


Figure 4.2 The Default Page

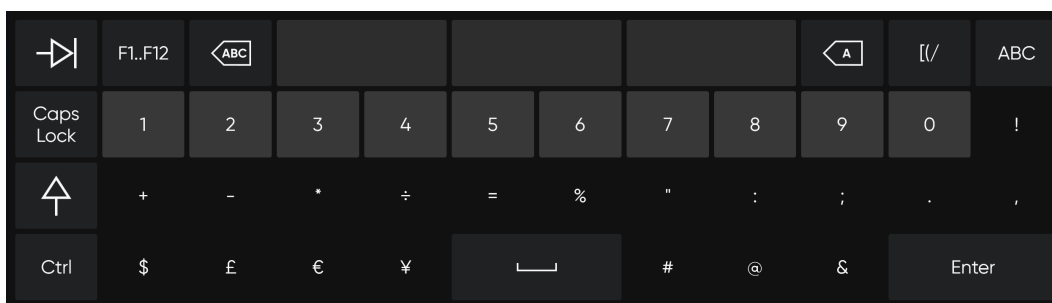


Figure 4.3 The Numbers Page

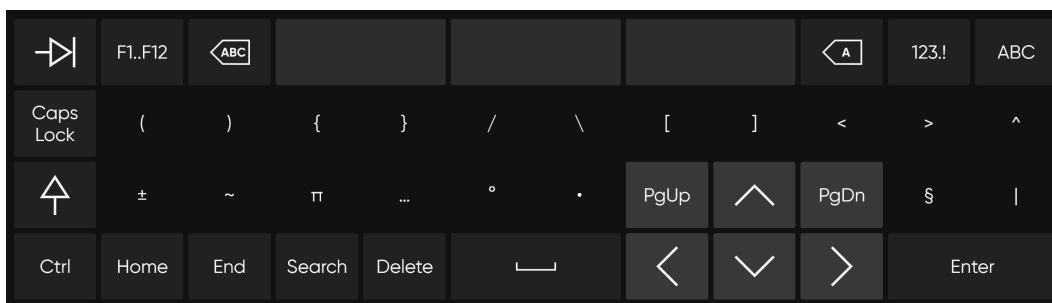


Figure 4.4 The Extended Page

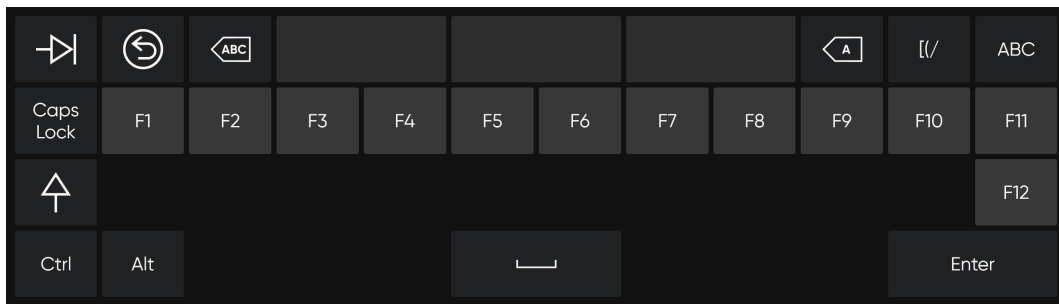


Figure 4.5 The Function Keys Page

To change keyboard language and other settings for the keyboard, see *5 Computer Control Settings, page 26*.

4.1.4.1.1 Word Prediction

The word prediction engine that is used in Computer Control is from SwiftKey and is commonly used in tablets and smart-phones. SwiftKey uses a blend of artificial intelligence technologies that enables it to predict the next word the user intends to type. SwiftKey learns from previous text the user has written and output predictions based on currently input text and what it has learned. The Word Prediction language will change depending on the Keyboard Language setting.

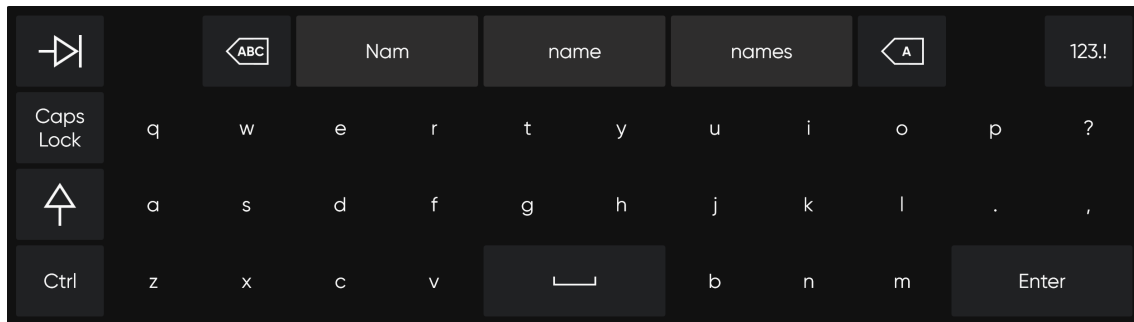


Figure 4.6 Keyboard with Word Prediction Activated

When Word Prediction is in use, three (3) boxes will appear above the Keyboard. The leftmost box will display the most probable predicted word and the remaining two (2) boxes will contain one predicted word each. To select a predicted word, just select the box with the correct word in it. If you can't find the word you are looking for, just keep on typing and hopefully the word you are looking for will appear after the next character.




If you are using Word Prediction and want to type a word containing an accent, like café, you are often better off letting Word Prediction handle the accent. Simply type "cafe" and you will get a suggestion for "café".

4.1.5 How do I use the **Adjust Target** in Tobii Dynavox Computer Control?



The Adjust Target action is used to fine-tune the activation point inside the target window. The cross-hair in the middle of the target window will show where the action will be performed.




Fine-tune the activation point by following these steps.

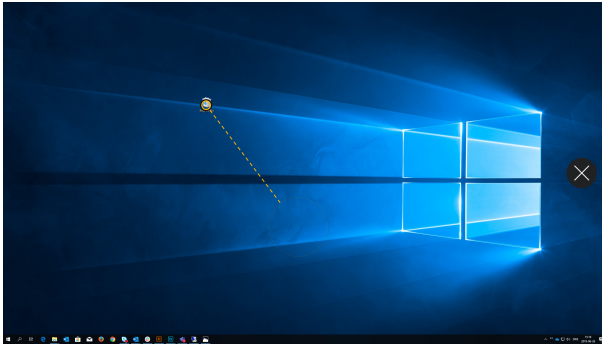
1. Select the  (Adjust Target) icon.
2. With your gaze, Move the simple trace in the target window until you hit the precise point of choice. The cross-hair will move to the new position

3. Repeat until you have the preferred target inside the cross-hair.

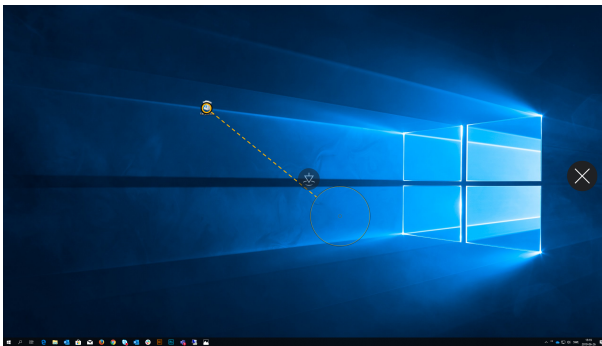
4.1.6 How do I use **Click & Drag** in Tobii Dynavox Computer Control?




1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.
 - a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the  icon from the Interaction Menu.
5. Select the new location for the object.
An indication line will be shown between the old location and the new location of the trace.






6. Fixate the gaze on the new location.
A Drop icon will appear on the screen outside the trace.



7. Select the  (Drop) action to drop the object in the new location.
8. The object is now in the new location.




4.1.7 How do I use **Left-Click** in Tobii Dynavox Computer Control?



1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.
 - a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the  icon from the Interaction Menu.

4.1.8 How do I use **Double-Click** in Tobii Dynavox Computer Control?




1. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
2. Select the  (Activator) icon.
The Interaction Menu will open
3. The cross-hair in the middle of the target window will show where the action will be performed.
If needed, fine-tune the activation point by following these steps.
 - a. Select the  (Adjust Target) icon.
 - b. With your gaze, Move the simple trace in the target window until you hit the precise point of choice.
The cross-hair will move to the new position
 - c. Repeat until you have the preferred target inside the cross-hair.
4. Select the  icon from the Interaction Menu.

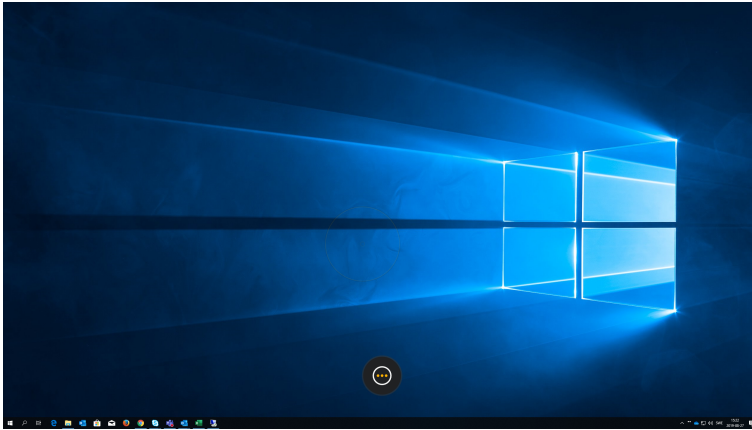
4.2 The Actions in the Off-Screen Menu


4.2.1 How do I Activate the Off-Screen Menu in Tobii Dynavox Computer Control.

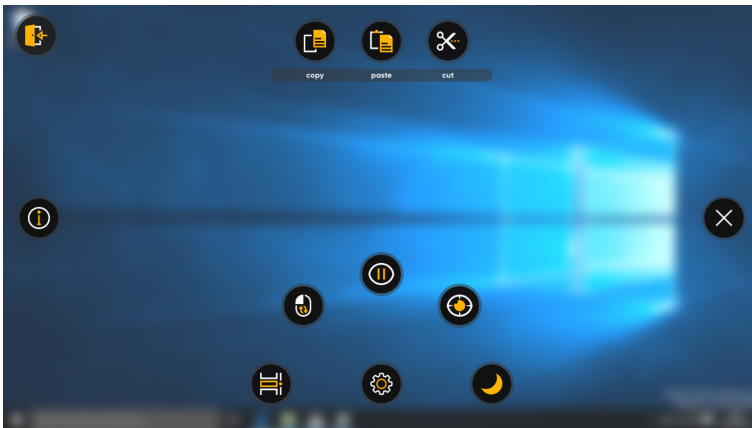
The Off-Screen Menu is hidden so it will not interfere with and/or distract the user. To call up the Off-Screen Menu follow these steps.

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.




2. Select the  (Off-Screen Menu) icon.
The Off-Screen Menu will open

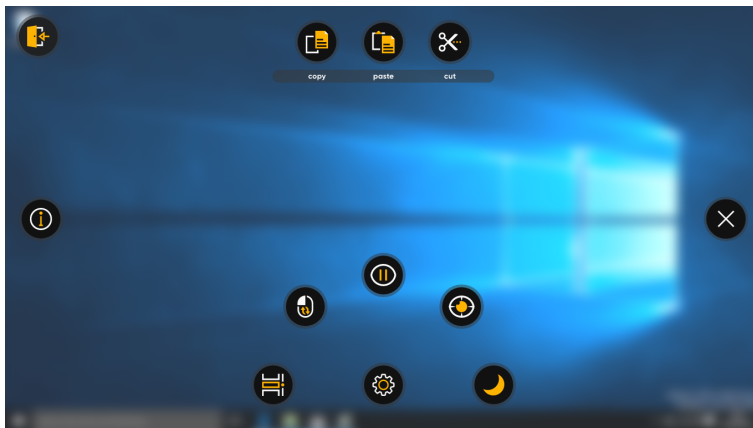


4.2.2 How do I Activate an Action from the Off-Screen Menu in Tobii Dynavox Computer Control?

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.






3. Select the action to be execute from the Off-Screen Menu or select the close button to cancel.

4.2.3 How do I Access the **Settings** in Tobii Dynavox Computer Control?



1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.


The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.



2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to access the settings for Tobii Dynavox Computer Control.
For more information about available settings, see *5 Computer Control Settings, page 26*

4.2.4 How do I Activate **Windows Time Line** in Tobii Dynavox Computer Control?

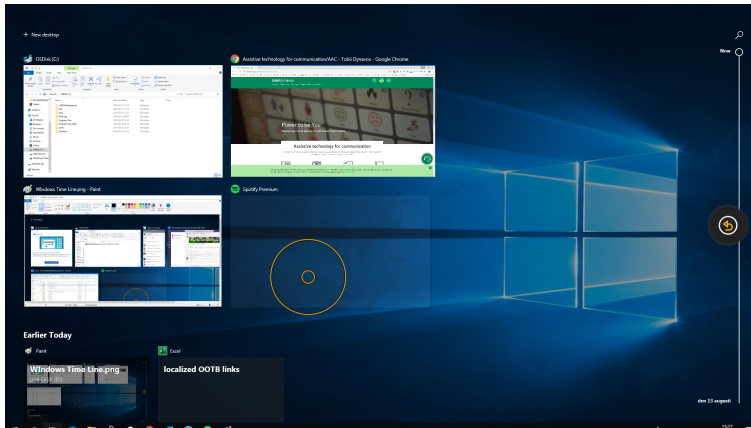
With the Windows Time Line the user can move between active software on the device.


1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.






2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Windows Time Line) action.

The windows Time Line will open






4. Select one of the following:
 - Select the desired application to activate from the Windows Time Line
 - Select the  (Back) button to go back to Computer Control.


4.2.5 How do I perform a Continuous Click in Tobii Dynavox Computer Control?

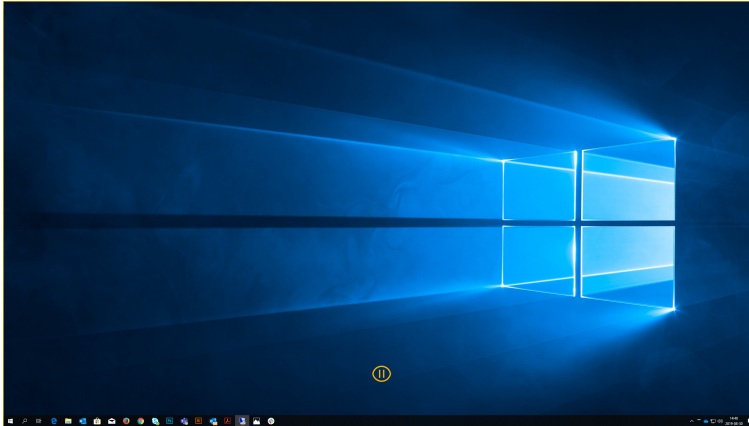
1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.
The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.
2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Continuous Click) action.
4. Fixate your gaze at the desired area of the screen (or icon on the screen) where you want to perform the Action.
5. Select the  (Left Click) action.
6. Repeat step 4 — 5 as long as you want.
7. Select the  (Close) icon to stop using the Continuous Click action.

4.2.6 Pause in Tobii Dynavox Computer Control?

4.2.6.1 How do I Pause the Eye Tracking in Tobii Dynavox Computer Control?

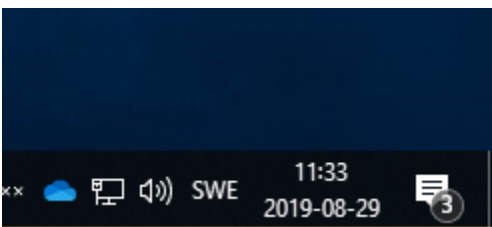
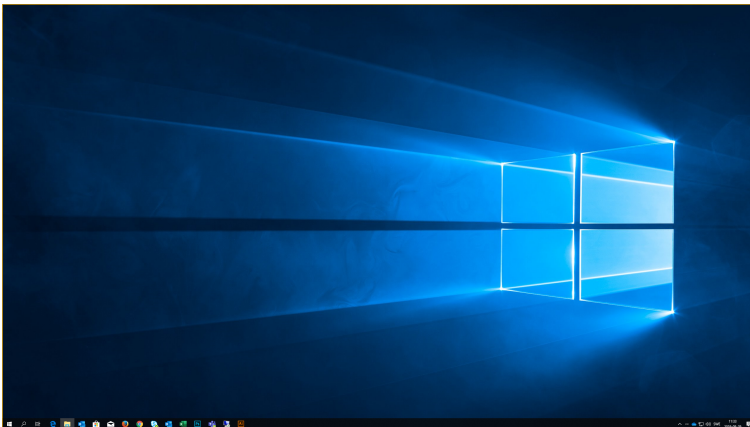
1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.
The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.
2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Pause) action.

An  orange pause icon will show briefly on the screen and there will be an orange border on the outer edges of the screen indicating that Computer Control is paused.




4.2.6.2 How can I see if the Eye Tracking is Paused in Tobii Dynavox Computer Control?


There will be an orange boarder on the outer edges of the screen.



4.2.6.3 How do I Unpause / Reactivate the Eye Tracking in Tobii Dynavox Computer Control


1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.



The  (Start Gaze) icon will become visible in the lower part of the screen

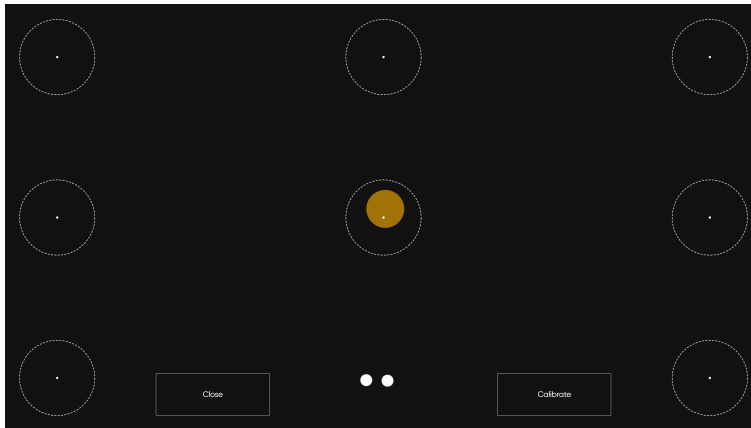
2. Select the  (Start Gaze) icon to unpause / reactivate Tobii Dynavox Computer Control

4.2.7 How do I perform a **Quick Calibration** in Tobii Dynavox Computer Control?

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Quick Calibrate) action.
4. Try out your calibration by looking at the different targets.






5. If needed, select the **Calibrate** button.
6. Look at the orange dots, one by one, that appears on the screen until they disappear.
7. Try out your new calibration.
8. Repeat steps 7–9 until you are satisfied.
9. Select the **Close** button.

For more information about Calibration, see *5.2.1 How does the Calibration Process Work in Tobii Dynavox Computer Control*, page 28

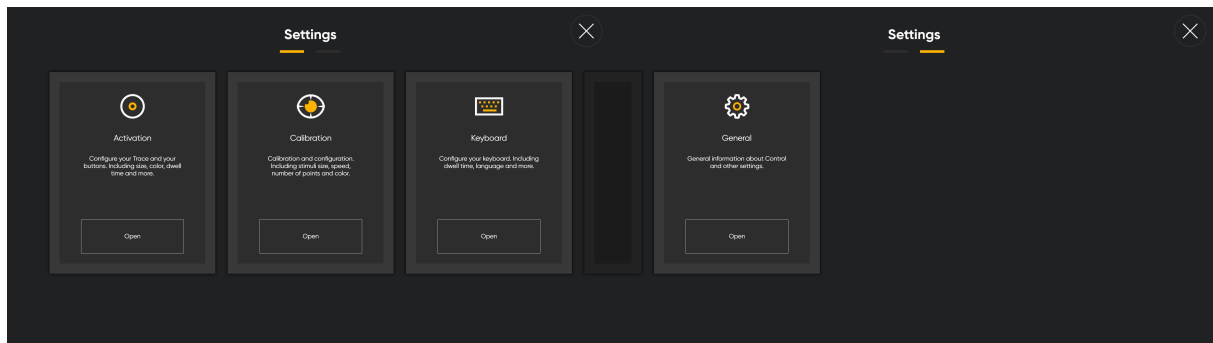
4.2.8 How do I put my Device to Sleep with Tobii Dynavox Computer Control?

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

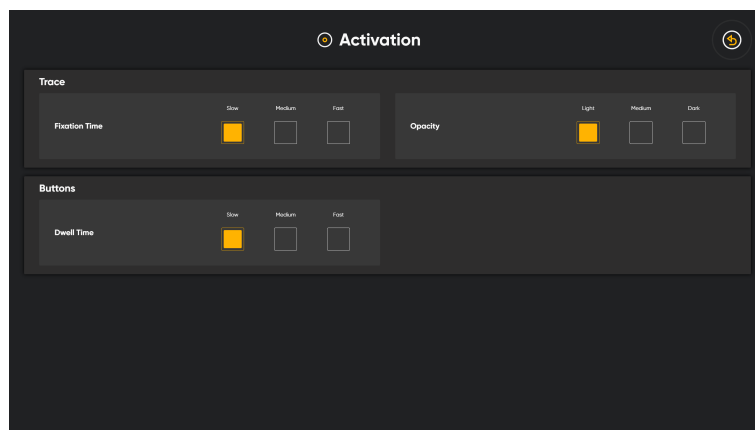
2. Select the  (Off-Screen Menu) icon.
3. Select the  (Sleep) icon.
4. Select one of the following buttons:
 - **Sleep** — To put the device to sleep.
 - **Cancel** — To cancel putting the device to sleep.

5 Computer Control Settings



Icons	Action	Description
	Activation	Opens the Activation & Feedback settings. For more information, see 5.1 Activation , page 26.
	Calibration	Opens the Calibration settings. For more information, see 5.2 Calibration , page 28.
	Keyboard	Opens the Keyboard settings. For more information, see 5.3 Keyboard , page 31.
	General	Opens the Generals Settings. For more information, see 5.4 General , page 33.

5.1 Activation








5.1.1 Trace

In the Trace section, the user can make changes to the size, color and Fixation time.

5.1.1.1 How do I Select the **Fixation Time** for the Trace in Tobii Dynavox Computer Control


1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.






The (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  Activation button.
5. Select the **Open** button.
6. Look in the **Trace** section.
7. Select the radio button for the **Fixation Time** for one of the following values:
 - **Slow** (default)
 - Medium
 - Fast
8. Select the  (Back) button to go back to Computer Control Settings.
9. Select the  (Close) button to exit Computer Control Settings.

5.1.1.2 How do I Change/Set the **Opacity** for the Trace in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.


2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  Activation button.
5. Select the **Open** button.
6. Look in the **Trace** section.
7. Select the radio button for the **Opacity** for one of the following values:
 - **Light** (default)
 - Medium
 - Dark
8. Select the  back button to go back to Computer Control Settings.
9. Select the  close button to exit Computer Control Settings.



5.1.2 Buttons




There are two (2) radial menus available in the software, the Interaction Menu and the Off-Screen Menu, and the dwell time is the time the user have to fixate the gaze upon the action items on the these menus to activate the selected action.

5.1.2.1 How do I Change/Set the **Dwell Time** for the Buttons in Tobii Dynavox Computer Control

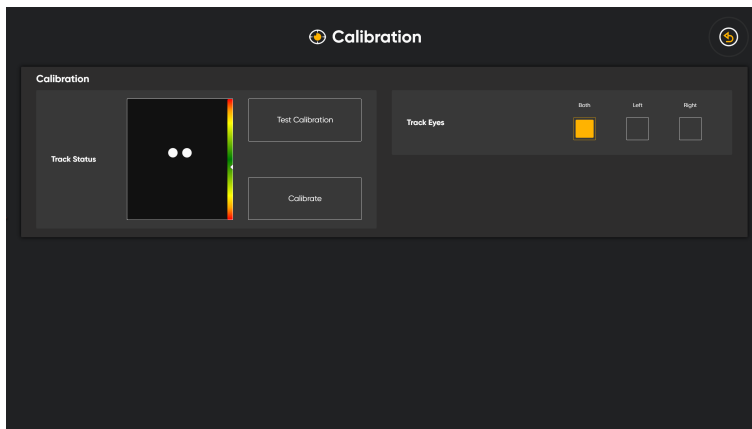
1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.

4. Select the  Activation button.
5. Select the **Open** button.
6. Look in the **Buttons** section.
7. Select the radio button for the **Dwell Time** for one of the following values:
 - **Slow** (default)
 - Medium
 - Fast
8. Select the  (Back) button to go back to Computer Control Settings.
9. Select the  (Close) button to exit Computer Control Settings.

5.2 Calibration



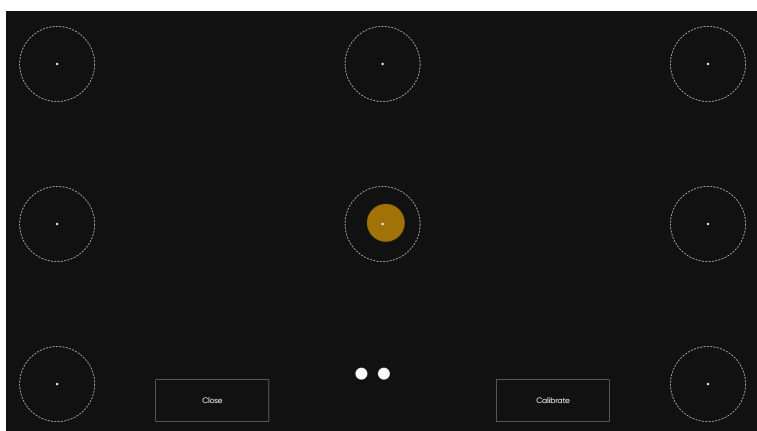
5.2.1 How does the Calibration Process Work in Tobii Dynavox Computer Control

The calibration process works as follows:

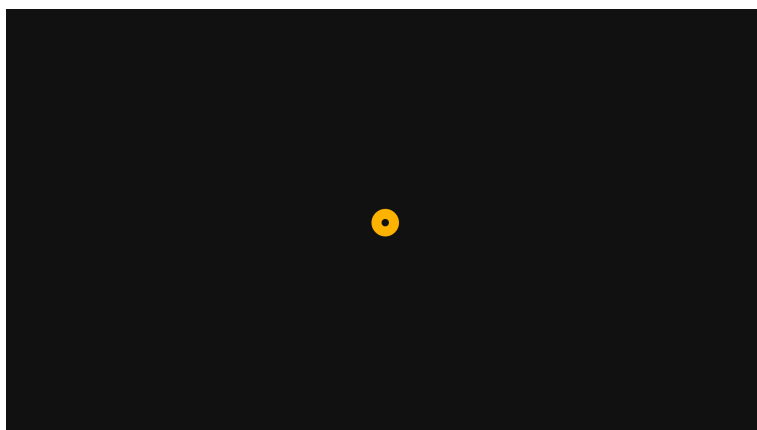
When a calibration starts, regardless of if it is a quick calibration or a regular calibration, the Test Calibration will be shown. On the test calibration screen, there are circles with a small dot in the center. The orange dot shows where the user is looking. By fixating the gaze on one of the dots, it shows where the eye tracker registers the fixation in that dot and how small or large offset there is.



If the orange circle is within the dotted white circle then the calibration is good enough for using Computer Control



When the Calibrate button is selected, the first calibration screen will appear. It is a black screen, and in the center of the screen, there is one single orange dot that has a black center.



Nothing will happen until the user fixates the gaze on the dot, the eye tracker will register the fixation, and the dot will blink once and disappear.



As long as the dot remains on the screen, the eye tracker has not registered the gaze data for that position.

A new screen will appear. It is a black screen and in the four corners an orange dot with the black center will be present.



Nothing will happen until the user fixates the gaze on one of the dots, the eye tracker will register the fixation on that dot, and the dot will blink once and disappear.



As long as the dot remains on the screen, the eye tracker has not registered the gaze data for that position.

When the users have fixated the gaze upon all of the dots on the screen and all of the dots have disappeared, the calibration process finishes and the test calibration screen will show up again.




Try out the calibration by looking at the circles on the screen. Close the test calibration screen or start a new calibration if needed.

5.2.2 How do I Select which Eye is being Tracked in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.



The (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  Calibration button.
5. Select the **Open** button.
6. Look in the **Calibration** section.
7. Select the radio button for the **Track Eyes** one of the following ways for the Eye tracker to track the users eyes:
 - **Both** (default)
 - Left
 - Right



8. Select the (Back) button to go back to Computer Control Settings.






9. Select the (Close) button to exit Computer Control Settings.

5.2.3 How do I Check the Positioning of the User using Track Status in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.



The (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  Calibration button.
5. Select the **Open** button.
6. Check the positioning of the user by looking in the **Track Status** box.
For more information, see [3.4 Track Status Box](#)




7. Select the (Back) button to go back to Computer Control Settings.






8. Select the (Close) button to exit Computer Control Settings.

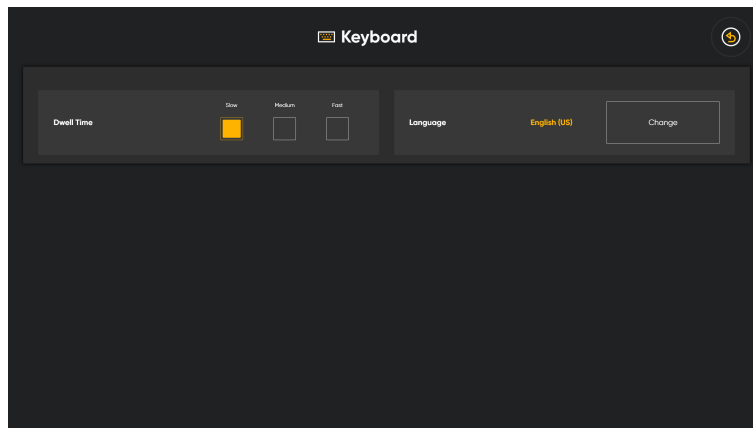
5.2.4 How do I **Calibrate** a User in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  Calibration button.
5. Select the **Open** button.
6. Check the positioning of the user by looking in the **Track Status** box.
For more information, see [3.4 Track Status Box](#)
7. Select the **Calibrate** button.
8. Look at the orange dots, one by one, that appears on the screen until they disappear.
9. Try out your new calibration.
10. Repeat steps 7–9 until you are satisfied.
11. Select the **Close** button.

5.3 Keyboard






Language




The selected language keyboard layout is shown. Select the **Change** button to change the keyboard layout to another language. There are a number of different language keyboard layouts available.

5.3.1 How do I Change/Set the **Dwell Time** for the Keyboard in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.


The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.







2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.

4. Select the  (Keyboard) button.
5. Select the **Open** button.
6. Look in the **Dwell Time** section.
7. Select the radio button for one of the following dwell times (ms):
 - **Slow** (default)
 - Medium
 - Fast
8. Select the  (Back) button to go back to Computer Control Settings.
9. Select the  (Close) button to exit Computer Control Settings.

5.3.2 How do I Change/Set the Keyboard Language in Tobii Dynavox Computer Control


1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.




The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (Keyboard) button.
5. Select the **Open** button.
6. Look in the **Languages** section.
The active language will be shown after the Languages heading.
7. Select the **Change** button.
8. Make sure that the **Installed** radio button is selected.
9. Select the preferred language.
10. Select the  (Back) button to go back to Keyboard Settings.
11. Select the  (Back) button to go back to Computer Control Settings.
12. Select the  (Close) button to exit Computer Control Settings.





5.3.3 How do I Download a new Keyboard Languages in Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

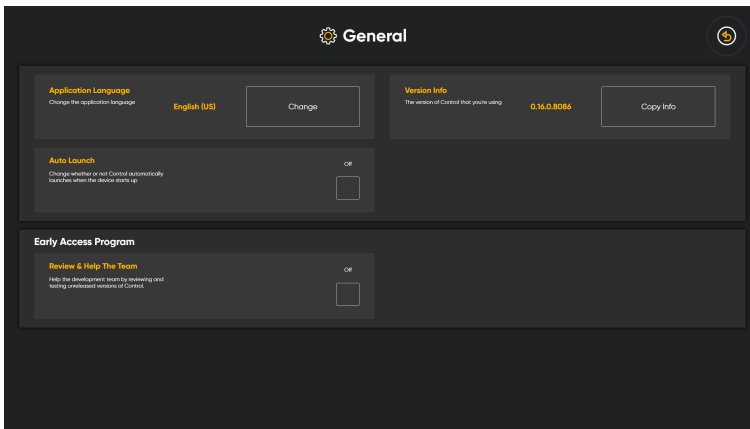
The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (Keyboard) button.
5. Select the **Open** button.
6. Look in the **Languages** section.

The active language will be shown after the Languages heading.


7. Select the **Change** button.
8. Select the **Download** radio button.
9. Select the  (Download) icon for the preferred language.
10. Select the **Install** button to download the selected language.
11. Select the  (Back) button to go back to Keyboard Settings.
12. Select the  (Back) button to go back to Computer Control Settings.
13. Select the  (Close) button to exit Computer Control Settings.






5.4 General




5.4.1 How do I Select the **Application Language** for Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.


The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.






2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (General) button.
5. Select the **Open** button.
6. Look in the **Application Language** section.
The active language will be shown after Languages heading.
7. Select the **Change** button.
8. Select the preferred language.
9. Select the  (Back) button to go back to **General** Settings.
10. Select the  (Back) button to go back to Computer Control Settings.

11. Select the  (Close) button to exit Computer Control Settings.

5.4.2 How do I Copy the **Version Info** for Tobii Dynavox Computer Control


1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.






The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (General) button.
5. Look in the **Version Info** section.
6. Select the **Copy Info** button.
7. Select the  (Back) button to go back to Computer Control Settings.
8. Select the  (Close) button to exit Computer Control Settings.

5.4.3 How do I Select to **Auto Launch** Tobii Dynavox Computer Control

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.


The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.
3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (General) button.
5. Select the **Open** button.
6. Look in the **Auto Launch** section.
7. Toggle the **Auto Launch** toggle switch to **On** to auto launch Computer Control when Windows® on the device starts.
8. Select the  (Back) button to go back to Computer Control Settings.
9. Select the  (Close) button to exit Computer Control Settings.





5.4.4 How do I join the **Early Access Program** for Tobii Dynavox Computer Control

The Early Access Program allows the user to help the development team at Tobii Dynavox with review and testing of unreleased versions of Computer Control.

1. Fixate your gaze below the screen, in the middle of the eye tracker or the area of the eye tracker.

The  (Off-Screen Menu) icon will become visible in the lower middle part of the screen.

2. Select the  (Off-Screen Menu) icon to open the Off-Screen Menu.

3. Select the  (Settings) action to open the Computer Control Settings.
4. Select the  (General) button.
5. Select the **Open** button.
6. Look in the **Early Access Program** sections.
7. Toggle the **Review & Help The Team** toggle switch to **On** to join the Early Access Program.
8. Select the  (Back) button to go back to Computer Control Settings.
9. Select the  (Close) button to exit Computer Control Settings.

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Support for Your Tobii Dynavox Device

Get Help Online

See the product-specific Support page for your Tobii Dynavox device. It contains up-to-date information about issues and tips & tricks related to the product. Find our Support pages online at: www.TobiiDynavox.com/support-training

Contact Your Solution Consultant or Reseller

For questions or problems with your product, contact your Tobii Dynavox solution consultant or authorized reseller for assistance. They are most familiar with your personal setup and can best help you with tips and product training. For contact details, visit www.TobiiDynavox.com/contact