Tobii Dynavox Gaze Viewer
User's Manual

User's manual Tobii Dynavox Gaze Viewer

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1 Introduction

TheTobii Dynavox Gaze Viewer is a powerful, easy to use, application that allows the professional to save videos, images and sound from a session on a device using Eye Control and Gaze Interaction. It presents editable playback with Heat Maps and Gaze Data plots, saved videos & images and even "live gaze" data over the top of any application to give the information needed to make simple reports in relation to Eye Gaze assessments, clinics, school work, reading comprehension, clinical comprehension and much more.

A Gaze Plot is a representation of user's eye movement across the screen, fixation by fixation. Each "dot" of the Gaze Plot is drawn when a "fixation" of the users gaze is registered at a certain point of the screen. Each is represented by a dot of different sizes and by a number depending on the sequence of the fixations. The size of the Gaze Plot dot relates to how long a user has fixated, or dwelled, on that specific spot; the bigger the dot the longer the dwell, and thereby focus, on that spot of the screen.

A Heat Map is a representation of the different areas of the screen where the user has spent the most time looking. Once a Heat Map is generated there will be Green, Yellow, Orange and Red colored areas presented around the screen representing a user's focus on certain areas over time. The colors shift fluidly from Green to Yellow to Orange to Red (in that order) where Green represents the least time focused on an area and Red represents the most time focused on an area of the screen. This means that the Red areas are the "Hot Spots" in the Heat Map and are thus the areas that have been given the most focus by the user and thereby carry the most interest to them.

2 Getting Started with Tobii Dynavox Gaze Viewer

2.1 Installing, Running and Updating Tobii Dynavox Gaze Viewer

2.1.1 Requirements

Tobii Dynavox Gaze Viewer works with Tobii Dynavox Eye trackers and most computer systems but for a good performance we recommend the following minimum system requirements:

- Operating System:
  - Windows 7
  - Windows 8
  - Windows 8.1
  - Windows 10
- a multicore processor (dualcore or more) with at least 1.5 GHz
- 2 GB RAM memory
- Graphics 60 MB VRAM
- Pixel shader 2.0 or higher
- 100 MB free disk space for the installation of the Tobii Dynavox Gaze Viewer software

Recording requires 500 MB of free disk space and some additional space for saving your video file. The used disk space for your recording projects is very much depending on your system, the screen resolution, the recording length and if you record gaze and sound or gaze only. One minute of recording requires approximately 140 MB for Gaze only and 165 MB for Gaze and Sound with a screen resolution of 1920 × 1200.

> ℹ️ Tobii Dynavox Gaze Viewer will free up the used disk space automatically when the recorded project is closed.

2.1.2 Installing Tobii Dynavox Gaze Viewer

1. Select the download link in the Order Confirmation e-mail to download the Tobii Dynavox Gaze Viewer.
2. Follow the installation instructions in the Order Confirmation e-mail to install the Tobii Dynavox Gaze Viewer.
3. Follow the directions on the screen.

2.1.3 Running Tobii Dynavox Gaze Viewer

To start the Tobii Dynavox Gaze Viewer:

- Double-click on the **Gaze Viewer** shortcut on the desktop, .

or

1. Select **Start Menu** > **All programs** > **Tobii Dynavox** > **Gaze Viewer**.
2. Select the **Gaze Viewer** icon.

2.1.4 Activating Tobii Dynavox Gaze Viewer

When you purchase Tobii Dynavox Gaze Viewer you will receive a Licence Activation Key for the software in the Order Confirmation e-mail.

When the Tobii Dynavox Gaze Viewer is run for the first time the **License Manager** will start. Or start Tobii Dynavox Gaze Viewer and select the [⚙] (**SETTINGS**) button.
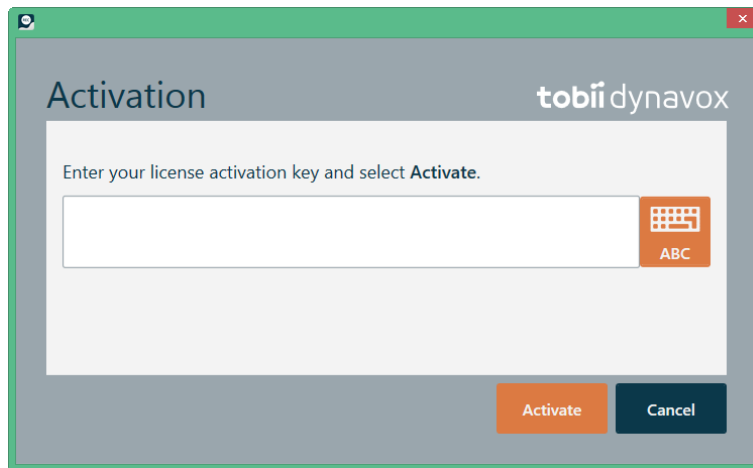
Your **License Activation Key** can be found in the Order Confirmation e-mail.

1. Make sure the computer/device is connected to Internet.
2. Enter the **License registration key**.
3. Select the **Activate** button.

4. Select the **Close** button.

2.1.5   Updating Tobii Dynavox Gaze Viewer

Tobii Dynavox regularly releases updated versions of Tobii Dynavox Gaze Viewer.

To check for new updates of the Tobii Dynavox Gaze Viewer use the **Update Notifier**.

3 The Icons in Tobii Dynavox Gaze Viewer

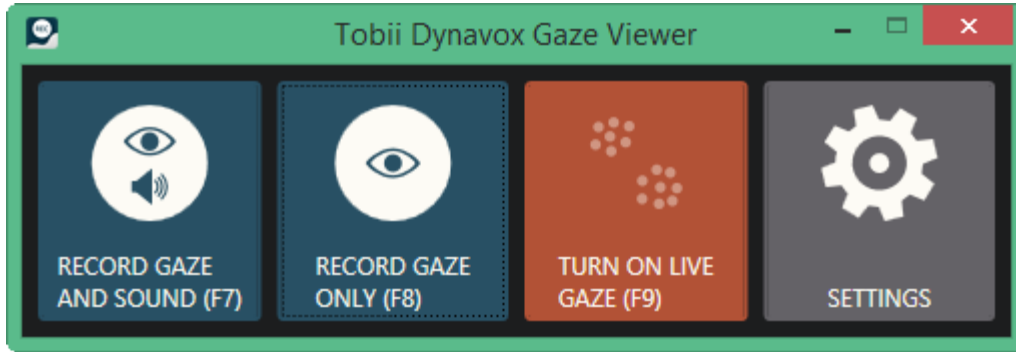## 3.1 The Icons in the Tobii Dynavox Gaze Viewer Controller

Figure 3.1 Tobii Dynavox Gaze Viewer Controller

Symbol	Description	Symbol	Description
RECORD GAZE AND SOUND (F7)	Start a recording with both Gaze and Sound data.	**STOP RECORDING (F7, F8)**	Stop the recording.
RECORD GAZE ONLY (F8)	Start a recording with Gaze data only.	**TURN OFF LIVE GAZE (F9)**	Live Gaze is off, toggle the button to turn on the visual live Gaze.
TURN ON LIVE GAZE (F9)	Live Gaze is on, toggle the button to turn off the visual live gaze.	**SETTINGS**	Settings for Tobii Dynavox Gaze Viewer. For more information, see *4.1.4* **Settings**, *page 10*.

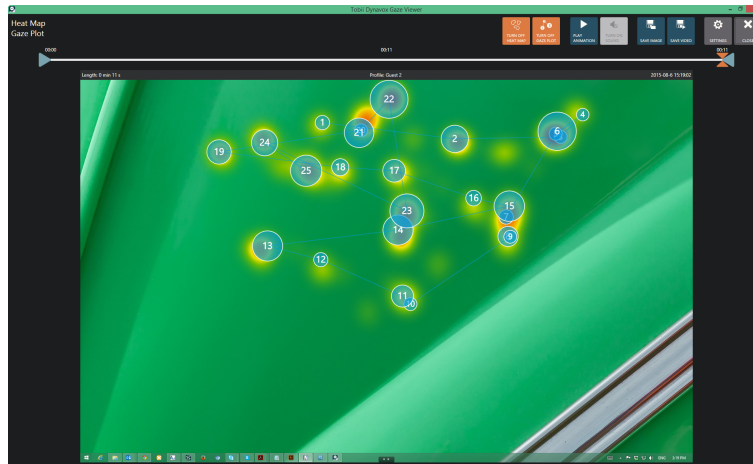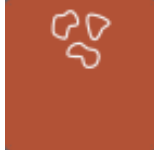## 3.2   The Icons in the Tobii Dynavox Gaze Viewer Editor & Playback
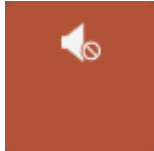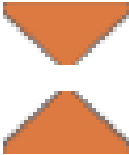
Figure 3.2 Tobii Dynavox Gaze Viewer Editor & Playback

Symbol	Description	Symbol	Description
TURN OFF HEAT MAP	The heat map is visible (default). Toggle the button to turn Off the heat map.	**TURN ON HEAT MAP**	The heat map is not visible. Toggle the button to turn On the heat map.
TURN OFF GAZE PLOT	The Gaze plot is visible (default). Toggle the button to turn Off the Gaze plot.	**TURN ON GAZE PLOT**	The Gaze plot is not visible. Toggle the button to turn On the Gaze plot.
PLAY ANIMATION	Select the button to start the animation.	**STOP ANIMATION**	Select the button to stop the animation.
TURN OFF SOUND	The recording is made with sound and the sound is on and will be played back when playing the animation.	**TURN ON SOUND**	The recording is made with sound and the sound is turned off and will not be played back when playing the animation.
TURN ON SOUND	The recording is made without any sound.	**SAVE IMAGE**	Save the recording as an Image as seen on the screen.

Symbol	Description	Symbol	Description
SAVE VIDEO	Save the recording as a video with the time interval setting.	**SETTINGS**	Open the Settings page. For more information, see *4.1.4* **Settings**, *page 10*.
CLOSE	Close the Gaze Viewer Editor & Playback.	**TIMELINE HANDLE** (Start point)	Start point of recording. Drag to change start point.
TIMELINE HANDLE (End point)	End point of recording. Drag to change end point.	**TIMELINE HANDLE** (Specific time point)	Actual time point in the recording. Drag to change actual time point.

4   Using the Tobii Dynavox Gaze Viewer

4.1   Tobii Dynavox Gaze Viewer Controller
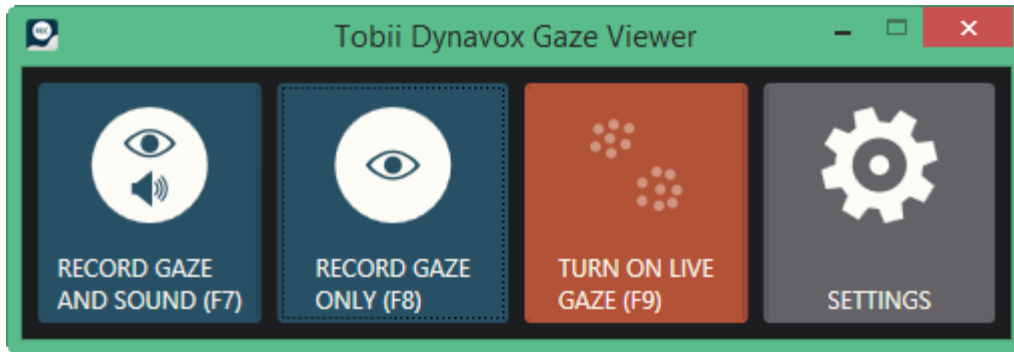
4.1.1   Record Gaze and Sound

Start a recording by selecting [eye icon] (**RECORD GAZE AND SOUND (F7)**) button or [F7 key] key on the keyboard.

[info icon]   To hide the tool during recording, use the keyboard commands in brackets to start and stop the recording.

Stop the Recording by selecting the [stop icon] (**STOP RECORDING (F7, F8)**) button or the keyboard keys [F7 key] or [F8 key].

4.1.2   Record Gaze Only

Start a recording by selecting [eye icon] (**RECORD GAZE ONLY (F8)**) button or the [F8 key] key on the keyboard.

[info icon]   To hide the tool during recording, use the keyboard commands in brackets to start and stop the recording.

Stop the Recording by selecting the [stop icon] (**STOP RECORDING (F7, F8)**) button or the keyboard keys [F7 key] or [F8 key].
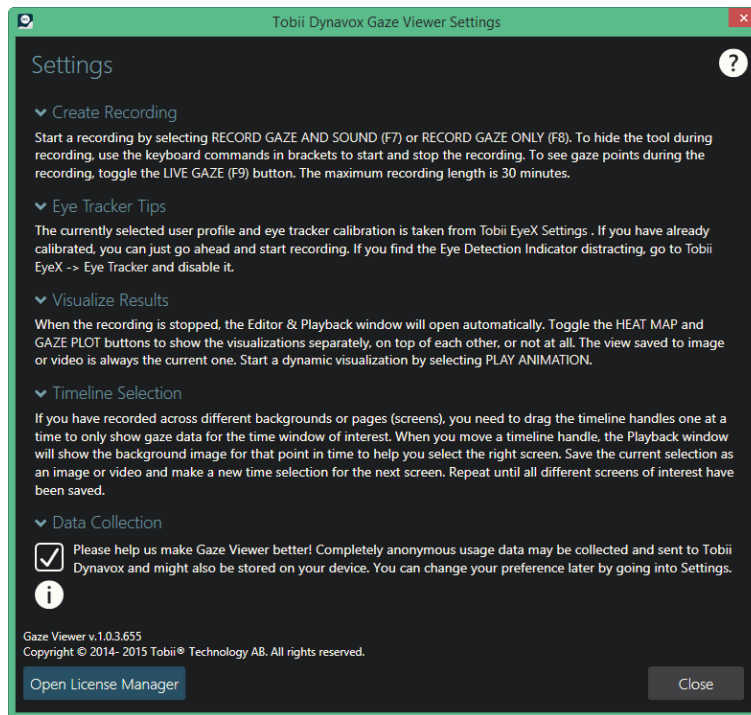
4.1.3   Toggle Live Gaze On/Off

Select the [orange icon] (**TURN OFF LIVE GAZE (F9)**) button or the [F9 key] key on the keyboard to turn Off the Live Gaze.

Select the [orange icon] (**TURN ON LIVE GAZE (F9)**) button or the [F9 key] key on the keyboard to turn On the Live Gaze.

4.1.4   Settings

Select the [settings icon] (**SETTINGS**) button to access the Settings for Tobii Dynavox Gaze Viewer.

In Settings, the user will get some short tips about how to use the Tobii Dynavox Gaze Viewer Software.

Select the icon to open the manual. The manual will open in your default Internet browser.

4.1.4.1   Data Collection

Please help us to make Tobii Dynavox Gaze Viewer better by completely anonymous collect and share your usage data. No personal information will be shared.

 No data from any recording will be collected, it is just data about how the software is used that will be collected.

Tick the **Data Collection** tick box to anonymous share the usage data for Tobii Dynavox Gaze Viewer.

Untick the **Data Collection** tick box if you don't want to share the usage data for Tobii Dynavox Gaze Viewer.

4.1.4.2   License Manager

The Tobii Dynavox Gaze Viewer can only be run on one computer/device at a time with the same license. To be able to use the Tobii Dynavox Gaze Viewer on an other computer/device the Tobii Dynavox Gaze Viewer must first be deactivated.
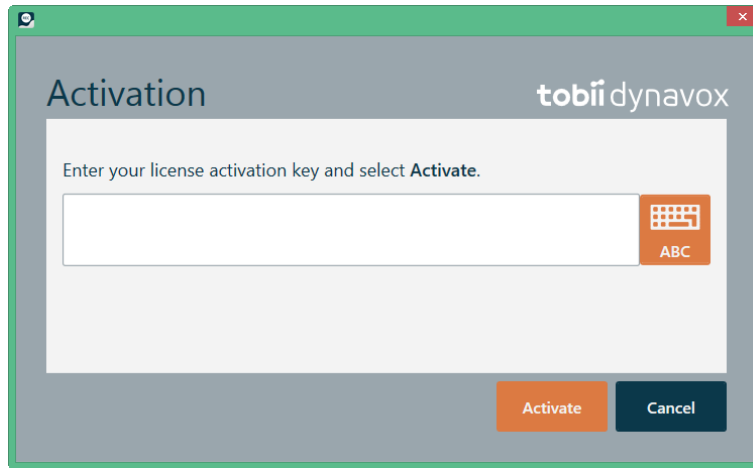
Select the **Open License Manager** button to access the License Manager.

4.1.4.2.1   Activating Tobii Dynavox Gaze Viewer

When you purchase Tobii Dynavox Gaze Viewer you will receive a Licence Activation Key for the software in the Order Confirmation e-mail.
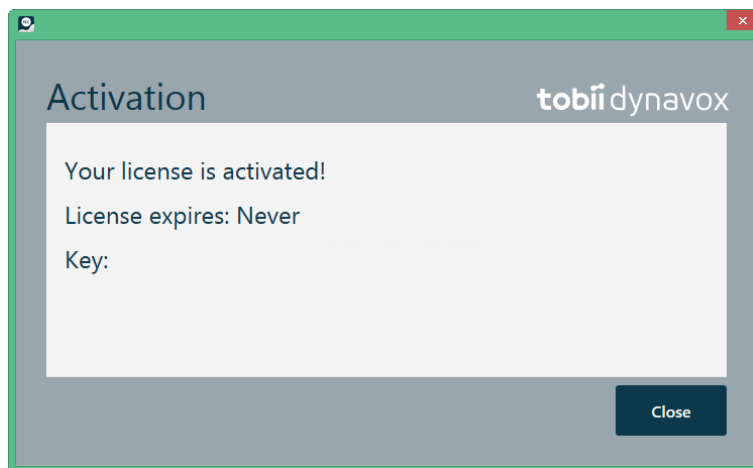
When the Tobii Dynavox Gaze Viewer is run for the first time the **License Manager** will start. Or start Tobii Dynavox Gaze Viewer and select the [⚙] (**SETTINGS**) button.

Your **License Activation Key** can be found in the Order Confirmation e-mail.

1. Make sure the computer/device is connected to Internet.
2. Enter the **License registration key**.
3. Select the **Activate** button.

4. Select the **Close** button.

4.1.4.2.2 Deactivating Tobii Dynavox Gaze Viewer

To deactivate Tobii Dynavox Gaze Viewer, follow these steps.

1. Make sure the computer/device is connected to Internet.
2. Start Tobii Dynavox Gaze Viewer .
3. Select the [⚙] (**SETTINGS**) button.

4. Select the **Open License Manager** button.

5. Select the **Deactivate** button.
6. Select:
   ▪ **Yes** — to deactivate the license on this device.
   ▪ **No** — to cancel.

4.2   Tobii Dynavox Gaze Viewer Editor & Playback
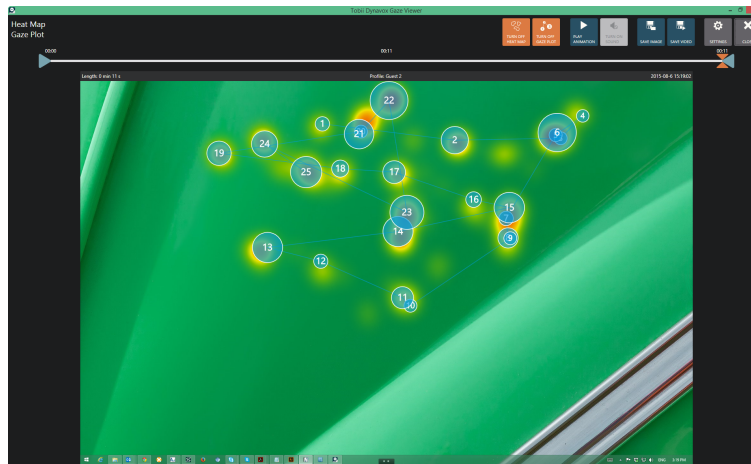
When the recording is stopped, the Editor & Playback view will automatically open.

▪ Select the ⚙ (**SETTINGS**) button in the Editor & Playback view for tips, access to manual and License manager.

▪ Toggle the (**TURN OFF HEAT MAP**) (default) / (**TURN ON HEAT MAP**) to show the Heat Map or to hide it.

▪ Toggle (**TURN OFF GAZE PLOT**) (default) / (**TURN ON GAZE PLOT**) to show the Gaze Plot or to hide it.

▪ Toggle the (**TURN OFF SOUND**) (default) / (**TURN ON SOUND**) to be able to playback the recording with the Sound on or off. If the recording is made without sound the button is greyed out (**TURN ON SOUND**).

- Select the ▶ (**PLAY ANIMATION**) button to start a playback of the recording and select the ■ (**STOP ANI-MATION**) button to stop the playback.

- Select the ✕ (**CLOSE**) button to close the Tobii Dynavox Gaze Viewer Editor & Playback and to go back to the Tobii Dynavox Gaze Viewer Controller and to be able to start a new recording. For more information, see *4.1 Tobii Dynavox Gaze Viewer Controller, page 10*.

4.2.1   Timeline Selection
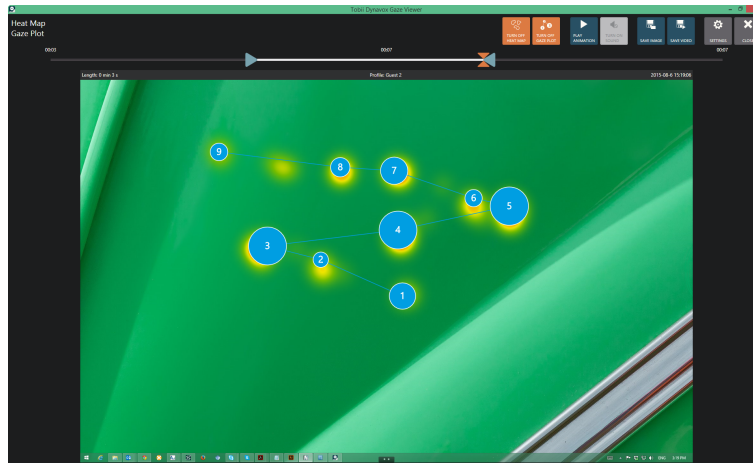
If you have recorded across different backgrounds or pages (screens), you need to drag the timeline handles one at a time to only show gaze data for the time window of interest. When you move a timeline handle, the Editor & Playback window will show the background image for that point in time to help you select the right screen. Save the current selection as an image or video and make a new time selection for the next screen. For more information, see *4.2.2 Save Image or Video, page 14*.

ℹ️ Repeat until all different screens of interest have been saved from the recording.

- Drag the ▶ (Start point) icon to a new location to change the Start point of the recording.

- Drag the ◀ (End point) icon to a new location to change the End point of the recording.

- Drag the 🔻 (Actual time point) icon to a new location to see exactly that point in time of the recording on the screen.

4.2.2   Save Image or Video

- Select the (**SAVE IMAGE**) button to save the current actual time point as an image.

- Select the (**SAVE VIDEO**) button to save video of the selected time window of the recording.

ℹ️ The active Gaze Interaction User Profile will be displayed in the top center of the recorded screen. The length of the recording is displayed in the top left of the recorded screen and the date and time stamp of the recording is displayed in the top right of the recorded screen.

ℹ️ It will take some time to save a long recording, so please be patient.

4.3 Settings

For more information, see *4.1.4* **Settings***, page 10.*

tobii dynavox

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 or www.myTobiiDynavox.com.

Contact Your Sales Representative or Reseller

For questions or problems with your product, contact your Tobii Dynavox sales representative 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