

tobii dynamox

# Windows Control

Full computer access through  
eye tracking and gaze interaction



Power to be You

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## Full computer access through eye tracking and gaze interaction

For a person who can't use their hands and fingers, eye tracking is probably the quickest, easiest and most ergonomically sound way to operate a computer. With the Tobii PCEye Go eye tracker and Windows Control you can operate your computer using only your eyes and enjoy:

- Greater personal independence – Regaining a healthy level of personal independence is possible through Tobii Dynavox eye tracking devices that provide you with access to a computer and the Internet.
- Social networking – With the Tobii PCEye and Windows Control, you can take advantage of all forms of communication, write emails to your friends and family, access social networking sites like Facebook and Twitter, and give friends and family updates about

yourself through a blog or a personal website. You can even use it to make phone calls.

- Artistic expression – Artistic expression through eye control is also a healthy way to spend time, acquire new skills and promote creativity, all things that can increase health and happiness.
- Independent recreation – Taking part in some type of recreation is a way to pass the time, have fun, learn, and stimulate your mind, while improving your overall happiness and health. Accessing a computer and the Internet through eye control is one way to do it.
- Access to environmental control – Environmental control works by remotely controlling IR enabled devices directly from your Tobii PCEye. With it you can take control

of things in your surroundings at home or in the office like lights, telephones, TVs, DVD players, toys and more. It allows you to regain much of your freedom and independence.

- Full, ergonomic computer access – Using gaze interaction can be easier on your neck and shoulders than using a head mouse or a switch.
- Remaining in work or school – With the ability to use a computer via an eye tracking device, you can greatly improve your chances of remaining employed or finishing school.



### The Tobii Dynavox eye tracker

The PCEye Go is a portable eye tracker that runs on standard Windows tablets, desktops or laptops. It allows you to work hands-free with any application that is normally controlled by a regular computer mouse or through touch.

The PCEye can be operated with precision regardless of glasses, contact lenses, eye color or light conditions. With the Windows Control software you get access to your computer, the Internet and ultimately a richer and more independent life.



## Windows Control – control the computer with your eyes

Windows Control is the software that you use together with your PCEye eye tracker. It consists of Mouse Emulation, which replaces the traditional mouse cursor with your gaze, as well as the award winning Gaze Selection, which gives you relaxed and ergonomic computer access.

## Gaze Selection – relaxed computer access

Gaze Selection makes it possible to control your desktop, or any other application, through an intuitive two-step process that reduces the risk of unwanted clicks. First, select the desired task you want to perform, for example a double click. Then, look at the desired area or icon on the screen where you want to execute the task.

## With Gaze Selection you get:

- More relaxed computer access – On most competing systems, a click is made when you look at something for a predefined amount of time. This often leads to accidental clicks,

commonly called “Midas touch”. With the two-step process of Gaze Selection, clicks are made intentionally and navigation is more intuitive, creating a relaxed and natural computing environment that is easy on your shoulders and neck.

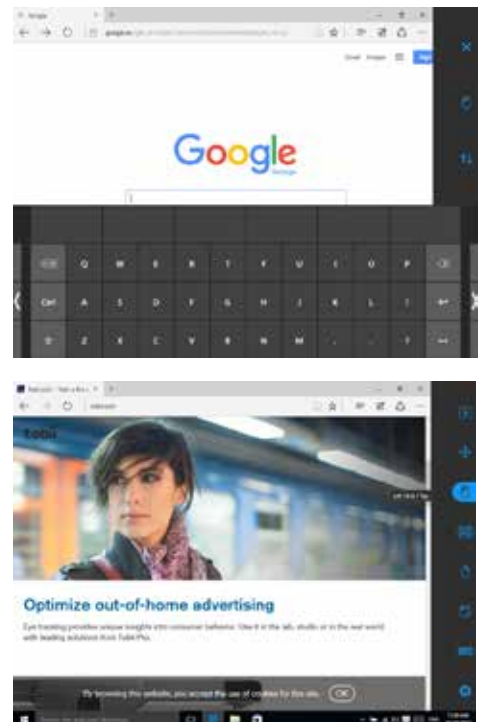
- Ability to hit smaller targets – Gaze Selection incorporates a unique zoom functionality that provides virtually pixel-precise control of where you point, click and drag, enabling full computer access.
- Faster computer access – Unique only to Tobii Gaze Selection, you efficiently access all of the functions of your computer with fewer mistakes and clicks, and at a higher speed.
- Integrated keyboard – Use the built in keyboard to write texts or to enter a web address. The keyboard in Gaze Selection now uses SwiftKey word prediction, previously found in mobile phones, and Tobii Dynavox Communicator enabling faster and more accurate typing.

## Access with functions overlay and taskbar

Central to Gaze Selection are the taskbar and the windows overlay. The task bar is the area on the screen that holds all of the functions that you can perform, such as left click, right click, activating the keyboard and so on.

You also use the taskbar to bring up the functions overlay, which gives you access to Windows specific commands such as the Cortana button, notifications, app switcher, settings and other functions. The look and available functions of the overlay differs between Windows 7, 8 and 10.

Through the taskbar and functions overlay you gain access to all of the functions of your computer, regardless if you rely on gaze, touch or switch input. Using switch input also allows you to use “sticky tasks”, meaning that you don’t have to repeatedly select which action to perform. For example, with a sticky left click you can do repeated clicks simply by tapping the switch, ideal for many applications and games.



With the Tobii Dynavox PCEye Go eye tracker and Windows Control you can operate your computer using only your eyes and enjoy many benefits such as greater personal independence, and the ability to stay socially connected.

### Keyboard with SwiftKey word prediction

The Gaze Selection keyboards now include the SwiftKey word prediction, which learns the way you type and the words and phrases that matter to you, constantly adapting to your personal writing style. With this knowledge, the keyboard proactively suggests what you are likely to type next.

This new feature significantly improves the typing experience with Gaze Selection keyboards through:

- Faster typing – Next words are predicted with such accuracy that a third of the suggestions are right the first time and you usually do not need to press, or look at, more than two letters.
- More accurate typing – SwiftKey uses advanced error correction. Typing with SwiftKey produces text you can rely on, in a fraction of the time it takes on a regular keyboard.
- Intelligence – SwiftKey doesn't just predict regular words, it learns as you type and remembers how you write. As words and sentences are chosen over time, the prediction engine creates a dynamic understanding of your writing style to boost the accuracy and speed of the prediction.
- Next-word prediction – SwiftKey offers intelligent next-word prediction by analyzing the context of your sentence and input behavior.
- Dynamic learning – Rather than simply adding new words, SwiftKey incorporates the dynamic contextual learning of your writing style. This picks up not just your user-specific vocabulary, but also the unique way in which you use words.

### Mouse Emulation

The second mode in Windows Control is Mouse Emulation. Mouse Emulation gives you full control of your mouse pointer, just like you would do with a physical mouse input device. You can left click, right click, double click, zoom, scroll and much more.

Mouse Emulation is ideal for emergent (sensory) to advanced Windows usage and for software that teaches the usage of eyegaze.

With some practice you could achieve as high precision as with any other mouse pointer device, however you might still experience "Midas touch", which is completely avoided when using Gaze Selection.



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