

User Manual

Version 1.0

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Introduction



What is Click2Speak?

Click2Speak is an innovative on-screen keyboard and mouse, catering to disabled individuals who cannot use a standard keyboard. It enables users to type and operate within Windows environment using various input methods such as a traditional mouse, foot mouse, eye tracker and others. Thanks to Swiftkey's revolutionary technology, it offers word prediction in over 81 languages, enabling fast and accurate typing.

What are the system requirements for Click2Speak?

Click2Speak runs in Windows 7 + 8 PC environment. To operate Click2Speak using input devices other than a traditional mouse (e.g. eye tracker), please check the system requirements for your specific device. For example, Tobii EyeX Controller requires a USB 3.0 port due to the high amount of data received. If your computer doesn't have a native USB 3.0 port, you must upgrade your system to be able to use the Tobii EyeX Controller.

Introduction



How to install Click2Speak?

To install Click2Speak on your PC, please go to: http://www.click2speak.net/category/download

After entering your name and e-mail address you will receive an e-mail with a link to a webpage allowing the download. The keyboard will automatically install layout and prediction engine based on the languages used on your PC. Following the installation, please familiarize yourself with the settings page to ensure that you select suitable options, such as keyboard font and size, enabling extra keypads and buttons etc.

Which input devices is Click2SPeak compatible with?

Click2Speak can be operated using various input options, depending on the needs of the user, such as: standard mouse, foot mouse, eye tracking cameras, head movement tracking, roller or trackball mouse, joystick, touchscreen.

Introduction



What can you do with Click2Speak?

Once you have installed the on-screen keyboard, you can effectively start typing text to any Windows editor such as MS Word, send emails, surf the web... using your preferred pointing device. You can click on and outside of the keyboard space. You can change and adjust the keyboard settings according to your preferences in the setting page. You can also control your surrounding electronic devices (TV, set top box, media streamer...) by activating the remote keypad (this features requires the purchase of a 3rd party Infra Red USB receiver transmitter).

Examples



Right click on mouse keypad is activated



Click by blink in active mode



Click by dwell in active mode

Main key description

- Drag keyboard: allows you to drag and release (place) the keyboard in your desired screen position.
- B Open settings window: opens the window with the settings panel (see more <u>here</u>)
 - Minimize keyboard: minimize/hide keyboard
- Close keyboard: switch off key
- Hide / show utility keypad: in the picture below, clicking E, will hide the right column (utility keypad with keys A-D). To unhide, click E again.

- **F** Windows Start: opens the start menu.
- **Text-to-speech**: Reads the highlighted text.
- Call for assistance: alarm button that plays a selected sound file.
 - Change layout and prediction language: in the picture below by clicking Français, the prediction language will become French, and the key will show the next language based on your computer settings.
- Prediction keypad: shows the predicted words based on the letter(s) you clicked.
 Numbers keypad: shows/ hides numbers.

Tab	q	w	e	[*] ۲	t	y	, u	i	, 0	Ď P	[
Caps	а	s.	ď.	f.	g	ĥ.	j.	k.		ř.	1	Home
Shift	#	Z	́х	Č C	v	Ď.	ñ.	m.	* •	•	/	End
Ctr	Tran	içais K	1 9	,				?	!	Bksp	Del Word	Dei
JI		The	e	To)	An	id	С	of 🧿		H	



Word prediction tips

- The prediction engine has auto-learning capabilities. Once you choose a word, it will be suggested to you more often in the future. It is also able to learn names.
- In the settings, you can have the keyboard automatically add a space between words and use capital letters when needed during typing.
- The prediction engine will adjust based on the language used.
- You can also have emoticons (emoji) suggested to you (settings->events->output improvment)





Using Tooltips

- Some of the buttons on the keypads are presented as icons. To help explain what they do, you can hover with the cursor, and an explanation will appear at the bottom of the keyboard.
- You may cancel these tool tips through the settings.





Special characters

• As with regular keyboards, to type centain keys and characters you will need to use: Caps Lock, Shift, Fn buttons, Alt GR.



• The option to display Fn buttons will appear when the numbers row is

displayed.



• Not all languages use the Alt Gr function.

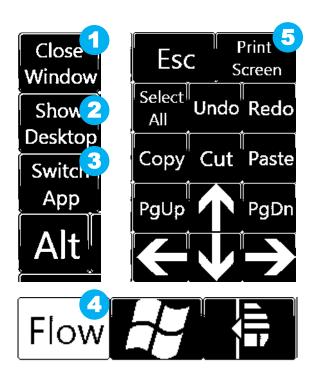


CLICK2

Additional keys/ keypads

The keyboard includes more keys and keypads that can be activated through the settings page. These are:

3



- 1 Close window: closes the window that is currently active
 - Shows the Windows desktop
 - Switch app: switch between open programs
 - Flow: allows typing by gliding the cursor on the keyboard. It predicts as you flow; click once to start a word, and once you see the word you want, just click again. Link to video example:

https://www.youtube.com/watch?v=Kbh2ye7VkXE

5 The Helper keypad: allows you to perform actions such as print screen, copy-cut-paste, navigation arrows, etc.

*Keys 1-3 comprise the left helper keypad

CLICK2

Mouse clicks keypad

3

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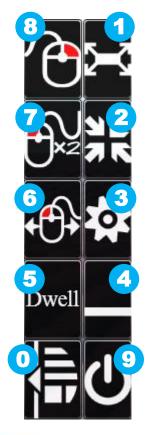
6

8

9

0

Mouse clicks keypad is an additional keypad which can be opened via the settings page. It emulates the functionality of a regular mouse.



- Drag keypad
- Dock mouse keypad to main keyboard
- Open the keypad's settings window
- Minimize keypad
- Dwell key (click by hovering with the curser)
- Drag item. Can also be used to resize Windows
- Double-click
- **Right-click**
- Open/Close keypad
- Show/Hide utility buttons



If you have selected to see the mouse keypad, it will pop up as a separate keypad. To integrate it into the main keyboard click on «dock keypad to keyboard»

Eye tracking keypad

Eye tracking keypad is an additional keypad which can be opened through the settings page. It includes a number of functionalities which can be operated with an eye tracker



Drag keypad

4

5

6

8

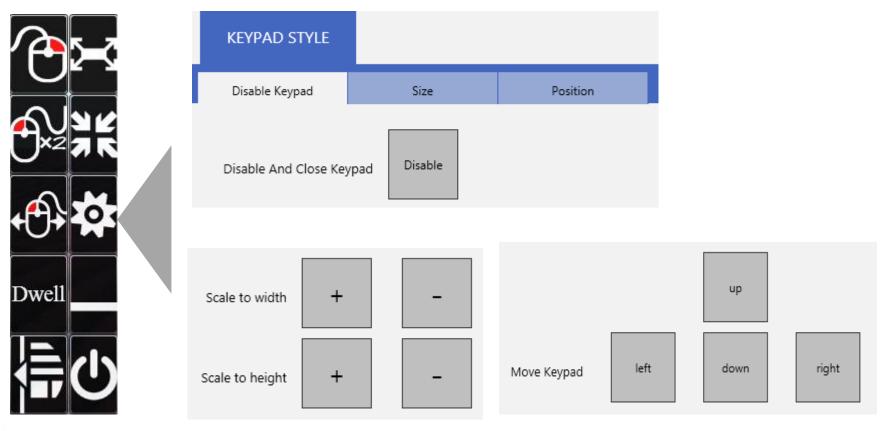
- Dock keypad to keyboard
- Open the keypad's settings window
- Minimize keypad
- Toggle Cursor (show or remove curser from screen)
- Toggle Click by blink (enbale/disable blink)
- Toggle Eye Scroll (enbale/disable eye scroll)
- Toggle Magnifier (enbale/disable magnifier)
- 9 Open/Close keypad
 - Show/Hide utility buttons



The eye tracking keypad will pop up as a separate keypad. To integrate it into the main keyboard click on «dock keypad to keyboard»

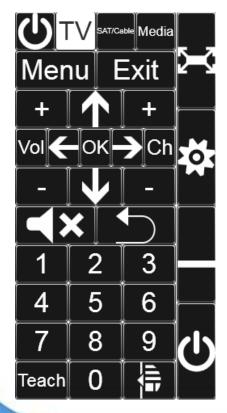


Each additional keypad (mouse, eye tracking, remote control) has its own 'thin' settings page. The page consists of options to control position, size, and an enable/disable keypad button.



Remote keypad

The Remote keypad is an additional keypad which allows you to control your surrounding electronics from your PC/Tablet with infra-red capability. It currently includes tabs with remote buttons for TV, Set Top Box and Media streamer.

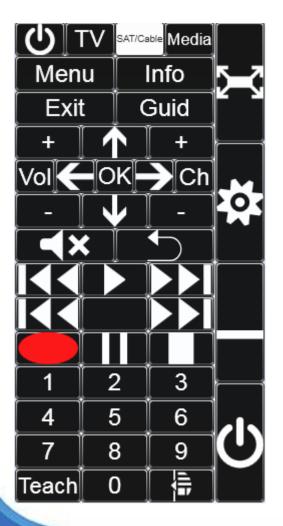


We currently have tabs with remote buttons for TV, Set Top Box and Media streamer, but will soon add controls for AC and projector. In the near future we will add a feature to allow control over anything with infra-red capability, from the lights to the windows blinds... all at low cost.

At present, in order to work with our remote keypad, **you will need a 3rd party device** that sends and receives infrared signals. Currently you will need to purchase the following IR emitter (30\$-60\$) -<u>http://www.usbuirt.com</u>

CLICK2

Remote keypad - continue



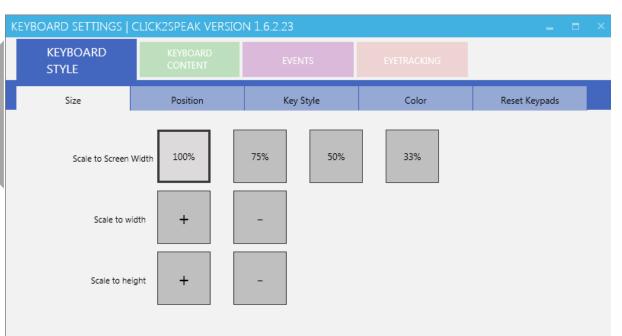
After you purchase the IR receiver transmitter device, and connect it to your PC/Tablet USB port– you need to 'teach' your keypad buttons what each controls does.

Remember that when in 'teach mode' - place the remote 2-5 inch from the emitter, press the desired key on the keyboard you want to bind to the remote key, then press and hold until a green V is displayed. Test each key you bind. Some remotes use short bursts so if the key doesn't work, repeat the process and press normally on the remote (don't hold).



Upon clicking on the key, the settings page will open. The page consists of four sections with multiple tabs allowing you to change the style and the content of the keyboard, select and adjust events, add/remove additional keypads and adjust eye tracking functionalities.

Р]	5
;	ı	Home	Fół
•	1	End	
Bksp	Del Word	Del	
	47		\mathbf{O}





In this section of the Settings you can adjust the look and feel of the keyboard. The following options are available:

- <u>Size:</u> allows you to regulate the width and the height of the keyboard
- <u>Position</u>: allows you to dock (i.e. attach) the keyboard to the bottom or top of any open document so that it does not 'disappear' behind them.
- <u>Key style</u>: allows you to adjust the font and the transparency of the keyboard so that you can see any documents behind it
- <u>Color</u>: allows you to change the color of the keyboard and font
- <u>Reset:</u> allows you to reset your keyboard settings so that it returns to its default version (i.e. just as it was after you installed it)





Keyboard content/ Summary

KEYBOARD SETTINGS CLICK2SPEAK VERSION 1.6.2.53						
KEYBOARD STYLE	KEYBOARD CONTENT	EVENTS	EYETRACKING			
Keyboard Layout	Keypads	More Keypads	Keyboard Sections			

In this section of the Settings page you can adjust the content of your keyboard. More specifically:

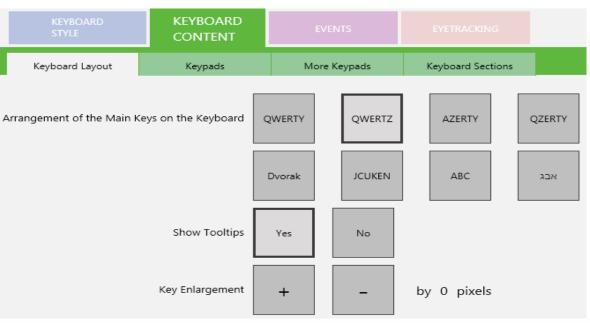
- <u>Keyboard Layout:</u> allows you to change the type and layout of your keyboard
- <u>Keypads</u>: allows you to display existing keypads (e.g., Mouse, Eye Tracking and Helper) and adjust their settings
- <u>More Keypads</u>: allows you to activate an additional keypad, i.e., left helper
- <u>Keyboard Sections</u>: allows you to adjust the position of the prediction and the numbers within the keyboard as well as display / hide Text-to-Speech and Flow Key buttons



Keyboard content/ Keyboard layout

In this section of the Settings page you can adjust the layout of your keyboard:

- Allows you to select type of keyboard arrangement (e.g., qwerty, qwertz, etc.) and activate tooltips (they appear in a row under the prediction language).
- By selecting key enlargement, individual keys will "pop-out" once they get selected.
 This helps when you have hard time focusing.





Keyboard content/ Keypads

In this section of the Settings page you can adjust the keypads of your keyboard:

• Allows you to display keypads such as Mouse Clicks, Eye Tracking, Helper and Remote, to enlarge the Alarm Button and to introduce auto fade of keypads

KEYBOARD STYLE	KEYBOARD CONTENT	EVENTS	EYETRACKING		
Keyboard Layout	Keypads	More Keypads	Keyboard Sections		
	Show Mouse Clicks K	eypad Yes	No	Mouse Clicks Keypad Auto Fade	Yes No
	Show Eye Tracking K	eypad Yes	No	Eye Tracking Keypad Auto Fade	Yes No
	Show Helper K	eypad Yes	No	Show Remote Keypad	Yes No
Shov	v Big 'Call For Assistance' f	Button Yes	No		



Keyboard content/ More keypads

In this section of the Settings page you can adjust additional keypads:

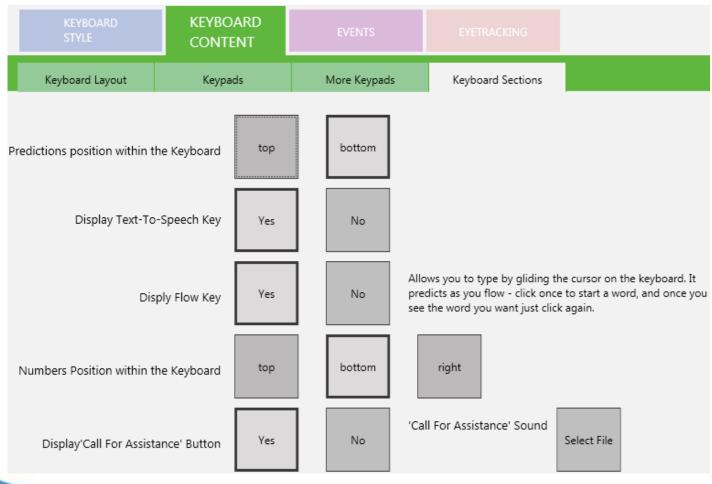
 More Keypads: allows you to display the left helper keypad, which includes the functions 'close window', 'show desktop', 'switch apps'. When activated the keypad appears on the left side of your keyboard

KEYBOARD STYLE	KEYBOARD CONTENT	EVENTS	EYETRACKING
Keyboard Layout	Keypads	More Keypads	Keyboard Sections
	Show Left Helper k	(eypad Yes	No



Keyboard content/ Keyboard sections

In this section you can adjust appearance and position of several buttons:





Keyboard content/ Keyboard sections

In this section you can adjust the appearance and position of several buttons:

- <u>Prediction position within the keyboard</u>: Choose to position the predicted words row on the top or bottom
- <u>Display text to speech key</u>: show or hide the 'text to speech' button
- <u>Display Flow key:</u> show or hide the 'flow' button
- <u>Numbers position within the keyboard</u>: Choose to position the numbers row on the top, bottom, or right side of the main keyboard.
- <u>Display 'Call for Assistance' button</u>: show or hide the 'play sound' button.
- <u>Call for assistance sound</u>: browse for a sound file to be played upon clicking the sound/assistance button

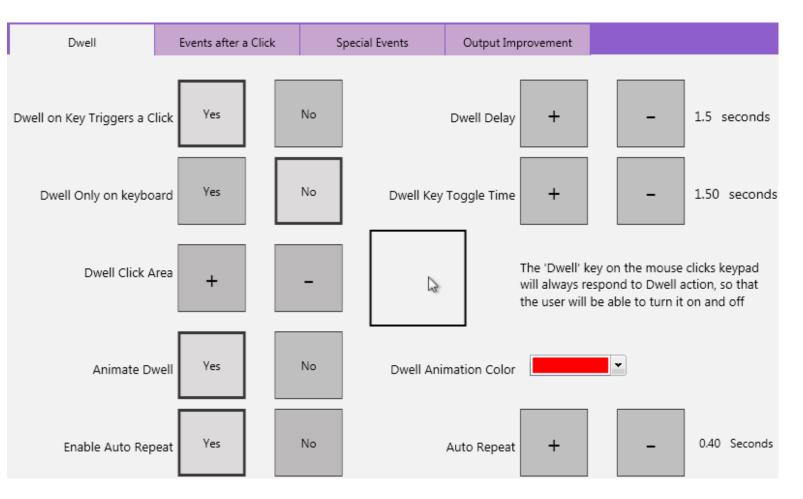


In this section of the Settings page you can select different click functionalities and add on keyboard events. These events are:

- <u>Dwell</u>: allows you to select 'Dwell' as a trigger for a click and adjust settings such as area, animation/ color, delay and toggle time
- <u>Events after a click</u>: allows you select sounds accompanying a click and turn on a magnifying glass for zooming in
- <u>Special events</u>: allows you to adjust the behavior of the keyboard when clicking into/ outside text box and staring windows
- <u>Output improvement</u>: allows you to select functionalities linked to text output and text prediction such as automatic spacing



Events/ Dwell (1/3)





Events/ Dwell (2/3)

The dwell function allows you to simulate a mouse (or other pointing device) click without actually clicking. While the feature is especially useful for users of head mouse and eye gaze, it is also useful for people who use any other pointing device. The Dwell function can be turned on and off from the mouse click keypad.

- <u>Dwell Only on Keyboard</u>: selecting "No" allows you to click by dwelling outside of the keyboard and control the whole screen
- <u>Dwell Click Area</u>: increases or decreases the area you dwell
- <u>Animate Dwell</u>: by selecting "Yes" a red dot function; the color of the animation dot can

pops-up animating the dwell be adjusted



Events/ Dwell (3/3)

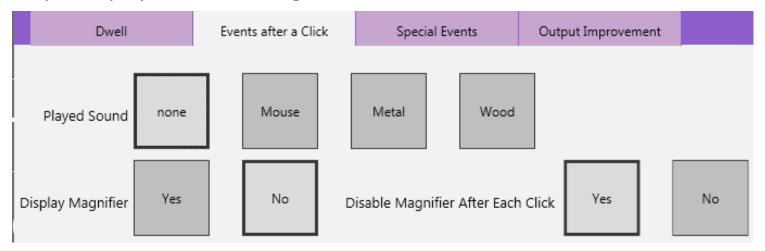
- <u>Enable Auto Repeat:</u> allows you to repeat last action (e.g., typing the same letter), when you keep dwelling in the same spot (e.g., same letter); the time for Auto Repeat can also be adjusted
- <u>Dwell Delay</u>: adjusts the time you have to look at a tab until it is clicked
- <u>Dwell Key Toggle time</u>: adjusts the time you have to look at the 'Dwell Key' until Dwell is turned on



Events/ Events after a Click

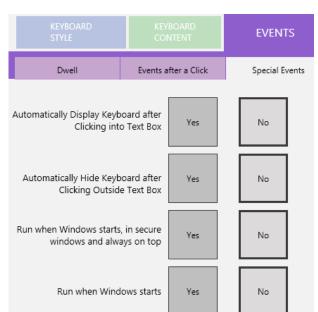
In this section of the Settings page you can adjust events after clicking:

- <u>Play Sound</u>: allows you to activate a sound after clicking
- <u>Display Magnifier</u>: allows you to display a magnifier for zooming keys
- <u>Disable Magnifier After Each Click</u>: allows you to disable the magnifier or to keep it displayed after clicking to zoom in



Events/ Special Events

- <u>Display keyboard after clicking in text box</u>: will automatically show the keyboard after clicking into windows such as MS word, Notepad, Browser etc.
- <u>Hide keyboard after clicking outside:</u> will automatically hide the keyboard after clicking on a window such as your desktop, or an opened folder etc.
- <u>Run when Windows starts, in secure Windows:</u>
 Will launch the keyboard when you turn on your
 PC, AND will allow you to use the keyboard in secure screens like Windows Log-in
- <u>Run when Windows starts</u>: choosing 'no' for the previous button, will display this option (in case you wish to run the program when Windows starts, but not in secure windows).





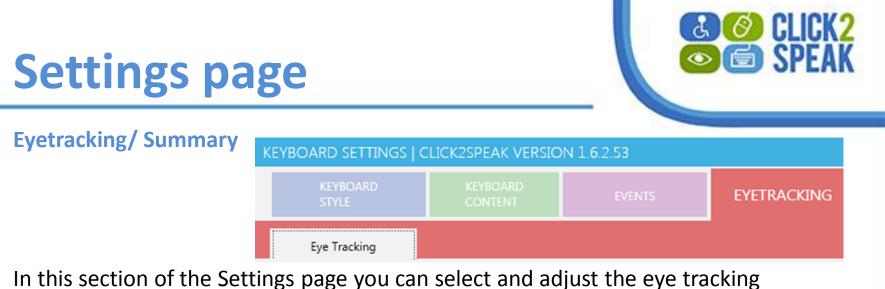


Events/ Output improvement

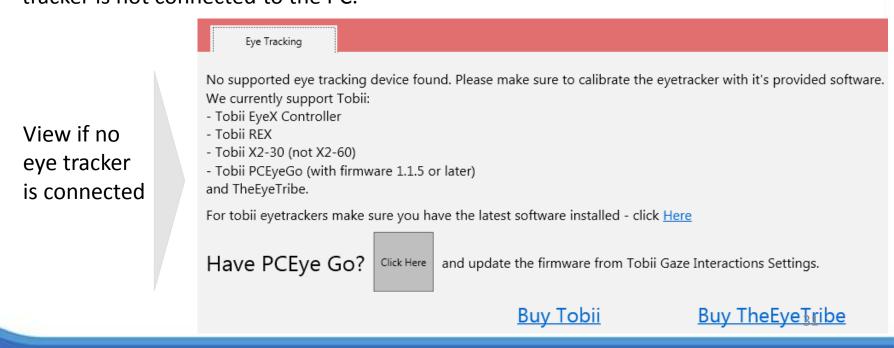
In this section of the Settings page you can improve the output of the generated text by

- Adding a space automatically after selecting a predicted word
- Capitalizing the beginning of a new sentence
- Selecting whether you wish to predict more than words and numbers

Dwell	Events after a Click	Special Events	Output Improvement
Automatically Add a Selecting a Pre		No	Automatically inserts a space between words when you type the next word in your sentence – don't tap the Space bar, just keep typing!
Automatically Capitalize Be N	eginning of a ew Sentence Yes	No	
Predict only Words an	nd Numbers Yes	No	30



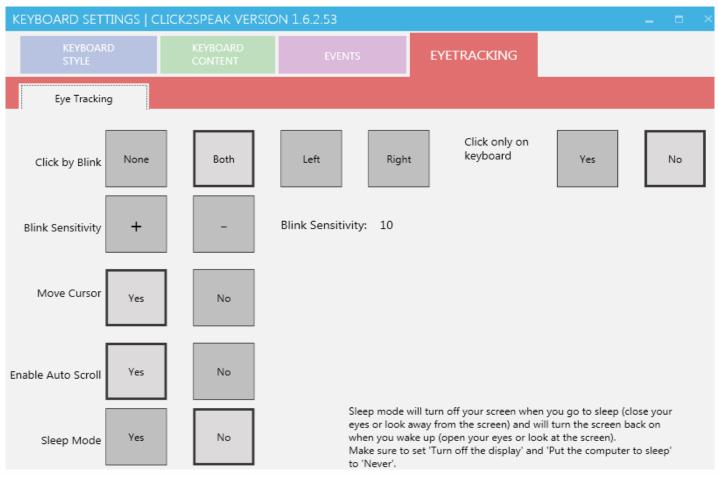
functionality. Important: this part of the settings page will not be visible if an eye tracker is not connected to the PC.





Eyetracking/ Summary

When an eye tracker is connected:





Eyetracking/ Summary

In this section of the Settings page you can adjust all settings related to the eye tracking:

- <u>Click by Blink</u>: allows you simulate a mouse click by blinking. You can choose between both eyes, left or right. This function can be extended beyond the keyboard to the whole screen.
- <u>Blink Sensitivity</u>: allows you to adjust the 'click by blink' sensitivity. Testing is recommended
- <u>Move Cursor</u>: this will disable or enable the mouse curser, useful when watching a movie for example.
- <u>Enable Auto Scroll</u>: will automatically scroll the screen (horizontal and vertical)
- <u>Sleep Mode:</u> this will turn off your screen when you fall asleep (close your eyes or look away from the screen) and will turn the screen back on when you wake up (open your eyes or look at the screen). In your Windows operating system, you will need to set "Turn off the display" and "Put the computer to sleep" to 'Never'.33





Help – contact us

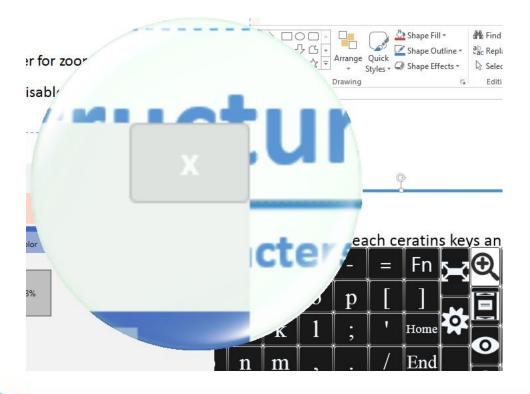
You can contact us via a form in the settings that will generate an email:

KEYBOARD STYLE		EVENTS		HELP	
Contact us					
Have a ques	tion? Encour	ntered a prok	olem? Just w	ant to say hi	?
Your Ema	iil :				
Subjec	ct :				
Messag	e:				
				Send	



Magnifier (Settings/Keyboard content/Keyboard layout)

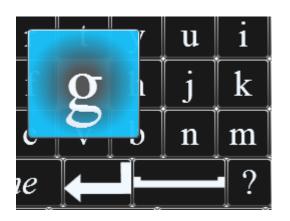
- A feature that allows you to zoom into the screen for easier key selection
- <u>Display Magnifier</u>: allows you to display a magnifier for zooming into keys
- <u>Disable Magnifier After Each Click</u>: allows you to keep it displayed after zooming in





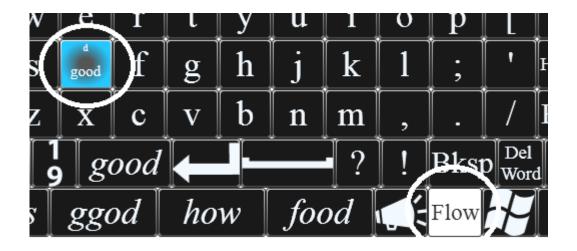
Key enlargement (Settings/Keyboard content/Keyboard layout)

- This is an important feature that allows you to make the keys bigger for easier clicking.
- By selecting key enlargement, individual keys will "pop-out" once they are selected. This helps when you have hard time focusing.



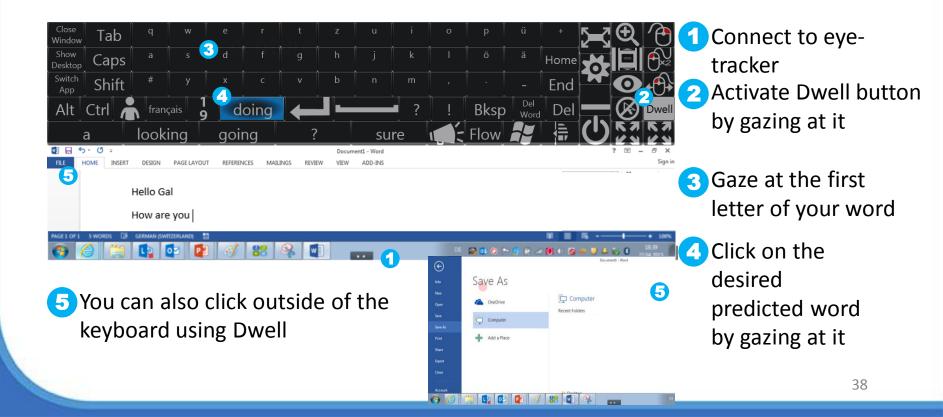
Flow

Allows typing by gliding the cursor on the keyboard. It predicts as you flow; click once to start a word, and once you see the word you want, just click again. Link to video example: <u>https://www.youtube.com/watch?v=Kbh2ye7VkXE</u>



Dwell

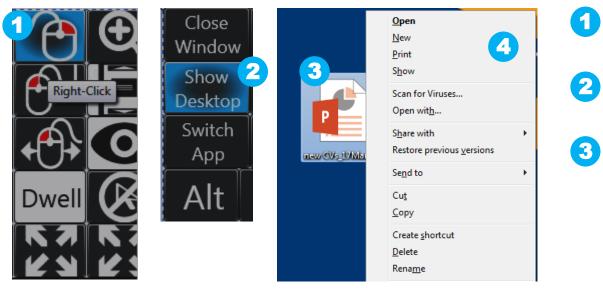
Allows you to click just by gazing at a key. You can activate the dwell button either by gazing at it for the defined time (e.g. 1 sec) or via the settings page. Example below:







You can use the mouse clicks keypad to perform several actions. For example, right click an icon on your desktop:



Activate Right Click with regular left click

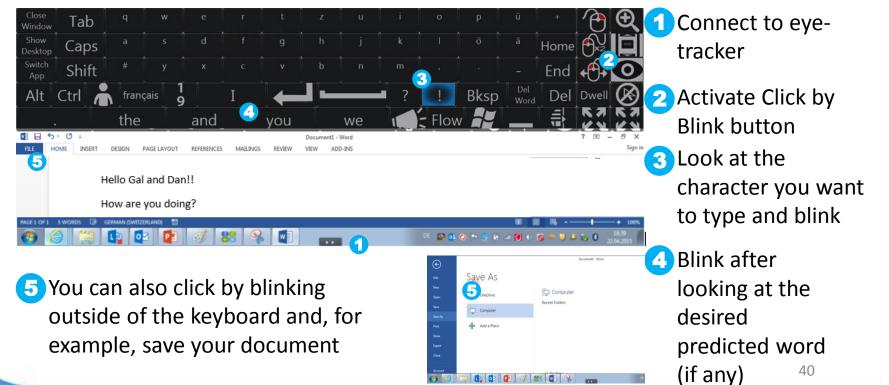
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- Click the Show Desktop button of the left helper
 - Left click on your desired desktop icon. It will preform a Right Click function since the Right click button was selected.
- Perform any action (e.g. Rename)

Type text via blinking



You can type text by activating the Click by Blink button and using an eye-tracker. You can activate this button either by gazing at it or via the settings page. Then, by just looking at the letters you want to type, blinking, and doing the same with the predicted words, you can type your text:



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Text to Speech



Although this relates to only a small percentage Click2Speak users, for some people text to speech functionality is an obligatory means of communication. Click2Speak currently supports the default voice and language that comes with the installed Windows version. In the future we will offer the option to choose from a variety of third party voices and many languages.

To use this functions, make sure your PC speakers are on, highlight the desired text (in Word, Outlook...), and click the text to speech button.





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http://www.click2speak.net/category/contact-us

