



# RAZER BLACKWIDOW ULTIMATE

MASTER GUIDE

The Razer BlackWidow Ultimate is the keyboard that offers extreme durability. Equipped with Razer Mechanical Switches designed for gaming, individually backlit keys with dynamic lighting effects and as well as resistance against water and dust, it's practicality wrapped in one sweet weapon.

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# 1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

## PACKAGE CONTENTS

- Razer BlackWidow Ultimate gaming keyboard
- Important Product Information Guide

## SYSTEM REQUIREMENTS

- PC or Mac with a free USB port
- Windows® 7 / OS X® 10.8 (or higher)
- Internet connection
- 200 MB of free hard disk space

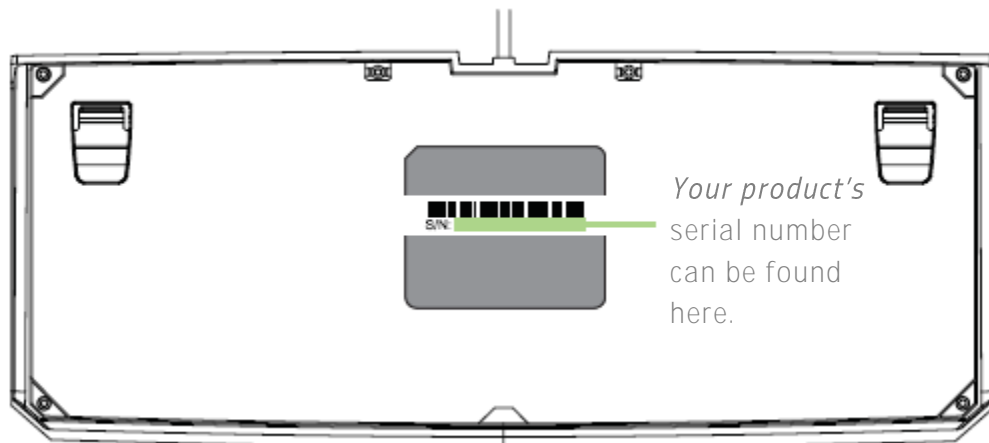
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## 2. REGISTRATION / TECHNICAL SUPPORT

### REGISTRATION

Register your product online at [razer-id.razerzone.com/warranty](https://razer-id.razerzone.com/warranty) using your Razer ID to get real-time information on your product's warranty status.

If you haven't registered for a Razer ID yet, register now at [razer-id.razerzone.com](https://razer-id.razerzone.com) to get a wide range of Razer benefits.



### TECHNICAL SUPPORT

What you'll get:

- 2 years limited manufacturer's warranty.
- Free online technical support at [razersupport.com](https://razersupport.com).

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## 3. TECHNICAL SPECIFICATIONS

### TECHNICAL SPECIFICATIONS

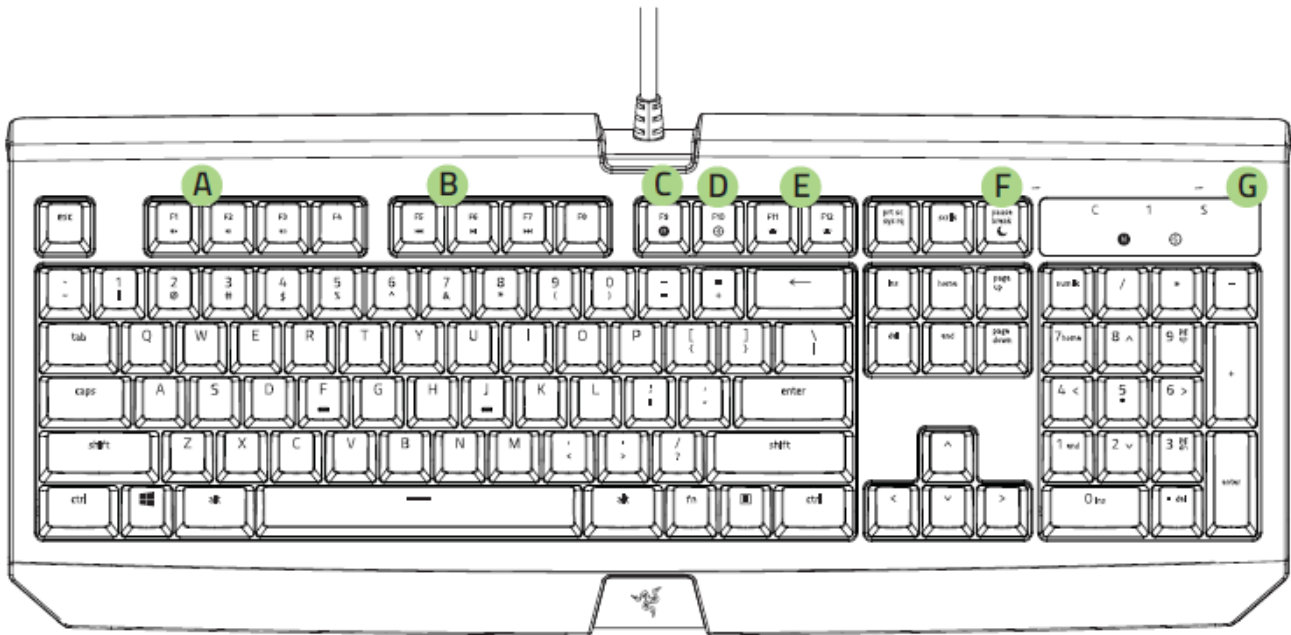
- Razer™ Mechanical Switches with 50 g actuation force
- 80 million keystroke life span
- Water- and Dust-Resistant – tested up to IP54 conditions
- 10 key roll-over anti-ghosting
- Razer Synapse enabled
- Individually backlit keys with dynamic lighting effects
- Fully programmable keys with on-the-fly macro recording
- Gaming mode option
- 1000Hz Ultrapolling

### APPROXIMATE SIZE & WEIGHT

- Length: 452 mm / 17.8 in
- Width: 171 mm / 6.74 in
- Height: 20 mm / 0.79 in
- Weight: 1380 g / 3.04 lbs

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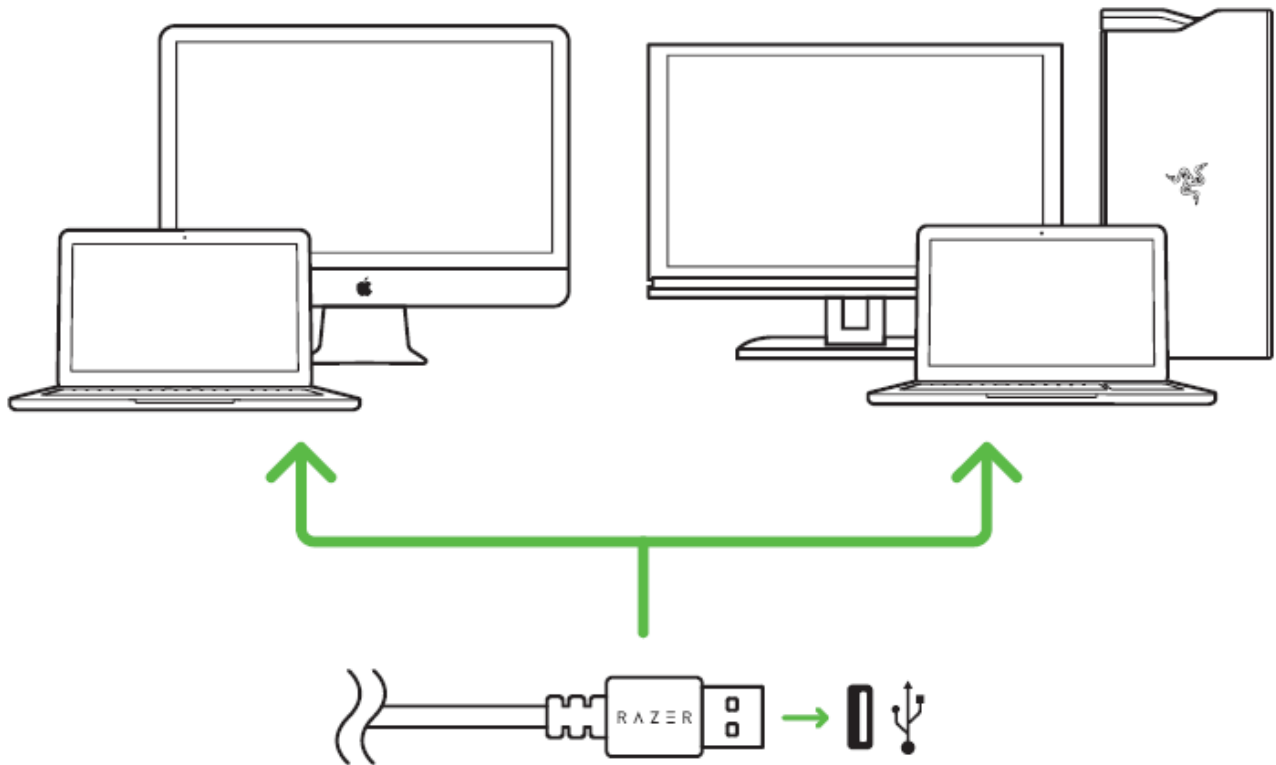
## 4. DEVICE LAYOUT



- A. Volume control keys
- B. Media keys
- C. On-The-Fly macro record key
- D. Gaming mode key
- E. Backlight control keys
- F. Sleep mode key
- G. LED indicators

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## 5. INSTALLING YOUR RAZER BLACKWIDOW ULTIMATE



Step 1: Connect your Razer device to the USB port of your computer.

Step 2: Install Razer Synapse when prompted\* or download the installer from [razerzone.com/synapse](https://razerzone.com/synapse).

Step 3: Register for a Razer ID or log in to Razer Synapse with an existing account.

\*Applicable for Windows 8 or later.



## 6. USING YOUR RAZER BLACKWIDOW ULTIMATE



Pressing the “FN” key in combination with the function keys will activate their secondary features on your PC. For Mac OS X, you do not need to press the “FN” key to activate the secondary features however, you will need to install Razer Synapse first before you can use these secondary features.

Function Keys	Features Description
	<p>The audio volume controls allow you to mute (  ), decrease (  ) and increase (  ) the audio output.</p>
	<p>The media keys allow you to play/pause (  ) a track or skip tracks backward (  ) and forward (  ).</p>
	<p>The backlight control keys allow you to decrease (  ) or increase (  ) the brightness of your keyboard’s LEDs.</p>
	<p>The sleep key allows you to suspend all operating system activities. This way you can save electricity while the computer is idle.</p>

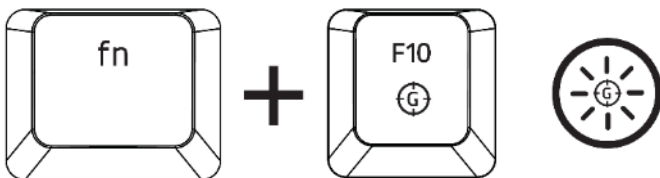
## ON-THE-FLY MACRO RECORDING (PC)



Follow these steps to create an OTF Macro Recording:

1. Press the key combination to start recording.
2. The Macro Recording Indicator will light up to show that the device is ready to record.
3. Type in the keys you want to record.
4. Press the key combination to stop the recording or the ESC key to cancel recording. The Macro Recording Indicator will start blinking to show that the device has stopped recording and is ready to save the macro.
5. Press the desired key where you want to save your macro.

## GAMING MODE (PC)



The Gaming Mode disables the Windows Key function to avoid accidental usage. Furthermore, you can maximize the effect of Anti-Ghosting by activating the Gaming Mode function. You can also choose to disable the Alt + Tab and Alt + F4 functions by using the Gaming Mode tab in Razer Synapse. An indicator will light up when Gaming Mode is active.

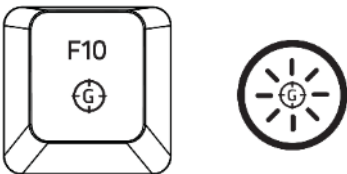
## ON-THE-FLY MACRO RECORDING (MAC)



Follow these steps to create an OTF Macro Recording:

1. Press the key to start recording.
2. The Macro Recording Indicator will light up to show that the device is ready to record.
3. Type in the keys you want to record.
4. Press the Macro key to stop the recording or the ESC key to cancel the recording. The Macro Recording Indicator will start to blink to show that the device has stopped recording and is ready to save the macro.
5. Press the desired key where you want to save your macro.

## GAMING MODE (MAC)



Activating the Gaming Mode allows you to toggle between the multimedia keys and the function keys as your primary function. An indicator will light up when Gaming Mode is turned ON. To turn the Gaming Mode OFF, press the Gaming Mode Key.

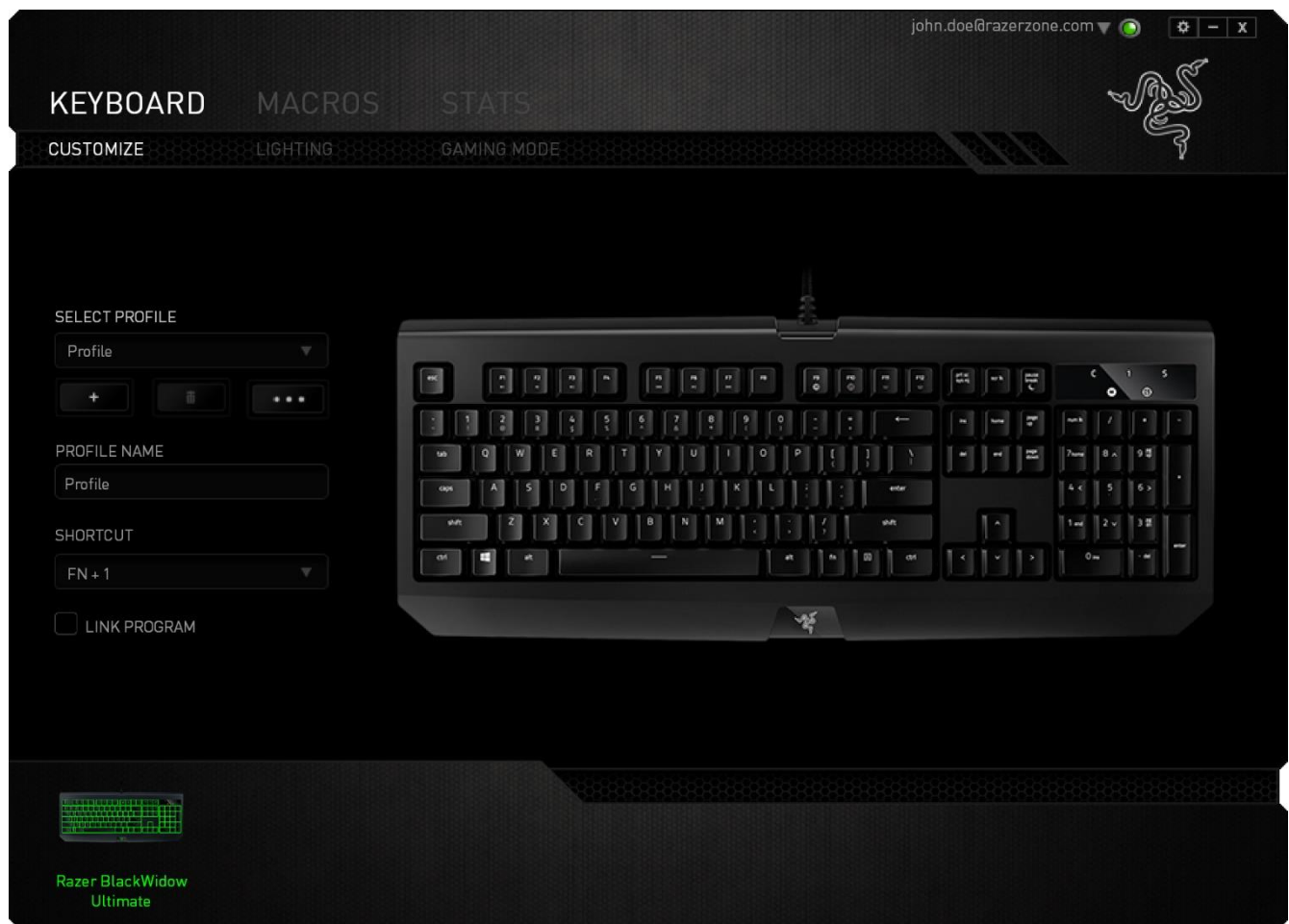
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## 7. CONFIGURING YOUR RAZER BLACKWIDOW ULTIMATE VIA RAZER SYNAPSE

- i** Disclaimer: The features listed here require you to log in to Razer Synapse. These features are also subject to change based on the current software version and your Operating System.

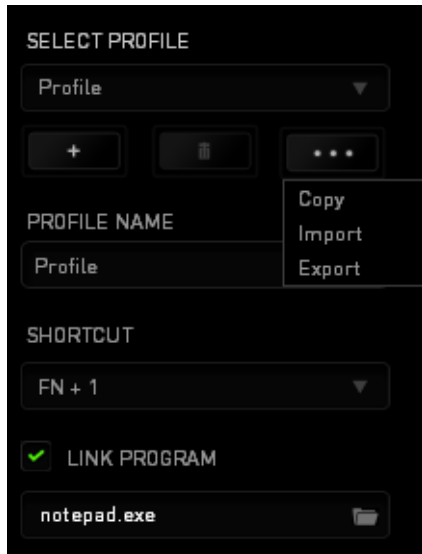
### KEYBOARD TAB

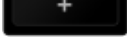


The Keyboard Tab is your default tab when you first install Razer Synapse. This tab allows you to customize your device's profiles and key assignments.



## Profile

A profile is a convenient way of organizing all your custom settings and you can have an infinite number of profiles at your disposal. Any changes made within each tab are automatically saved to the current profile and stored into the cloud servers.

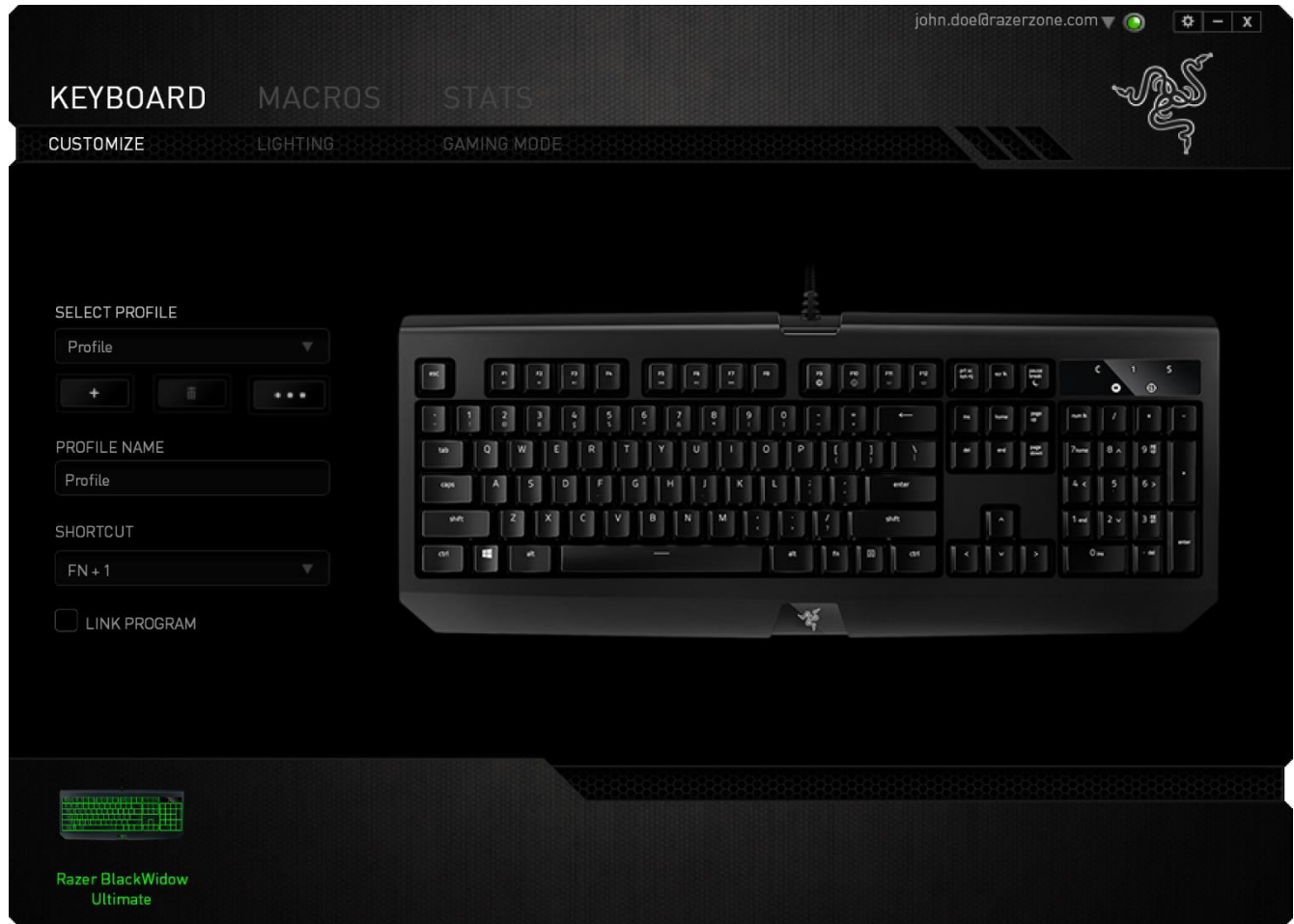


You can create a new profile by clicking the  button or delete the current profile by clicking the  button. The  button allows you to Copy, Import, and Export profiles. Your current profile by default is named "Profile" however; you can rename it by typing on the text field below PROFILE NAME.

Each profile can be set to FN + 0 - 9 using the SHORTCUT dropdown menu for fast profile switching. Each profile can also be set to automatically activate when you run a program or application through the use of the LINK PROGRAM option.

## Customize Tab

The Customize Tab is where you can modify the basic functionalities of your device such as key assignments to suit your gaming needs. The changes made in this tab are automatically saved to your current profile.



## Key Assignment Menu

Initially, each key is set to DEFAULT. However, you may change the function of this key by clicking the desired key to access the Key Assignment Menu.



Listed below are the customization options and their description.



Default

This option enables you to return the key to its original function. To choose the DEFAULT, simply select it from the Key Assignment Menu.



Keyboard Function

This option enables you to change any key into another keyboard function. To choose a keyboard function, select KEYBOARD FUNCTION from the Key Assignment Menu and enter the key you wish to use on the given field below. You may also include modifier keys such as Ctrl, Shift, Alt or any of those combinations.



## Mouse Function

This option allows you to change any key into a mouse button function. To choose a mouse function, select MOUSE FUNCTION from the Key Assignment Menu and an ASSIGN BUTTON submenu will appear.

Listed below are the functions which you can choose from the Assign Button submenu:

- Left Click - Performs a left mouse click using the assigned button.
- Right Click - Performs a right mouse click using the assigned button.
- Scroll Click - Activates the universal scrolling function.
- Double Click - Performs a double left click using the assigned button.
- Mouse Button 4 - Performs a **“Backward”** command for most internet browsers.
- Mouse Button 5 - Performs a **“Forward”** command for most internet browsers.
- Scroll Up - Performs a **“Scroll Up”** command using the assigned button.
- Scroll Down - Performs a **“Scroll Down”** command using the assigned button.
- Scroll Left - Performs a **“Scroll Left”** command using the assigned button.
- Scroll Right - Performs a **“Scroll Right”** command using the assigned button.



## Inter-device

Inter-device allows you to change the functionality of other Razer Synapse enabled devices. Some of these functionalities are device-specific such as using your Razer gaming keyboard to change the Sensitivity Stage of your Razer gaming mouse. When you select Inter-device from the Key Assignment Menu, a sub-menu will appear.

DEVICE TO LINK allows you to choose which currently connected Razer device can be linked while FUNCTION allows you to choose which functionality you want to use for the linked device.



## Macro

A Macro is a prerecorded sequence of keystrokes and button presses that is executed with precise timing. By setting a key to Macro, you can conveniently execute a chain of commands. When you select this option from the Key Assignment Menu, a submenu will appear which allows you to



choose a prerecorded macro command. See the MACROS TAB to learn more about creating Macro commands.



### Switch Profile

The Switch Profile enables you to change profiles on the fly and immediately load all your pre-configured settings. When you select Switch Profile from the Key Assignment Menu, a sub-menu will appear that will allow you to choose which profile to use. An on-screen display will automatically appear whenever you switch profiles.



### Launch Program

Launch Program allows you to launch a program or a website using the assigned key. When you select Launch Program from the Key Assignment Menu, two options will appear which allow you to search for the specific program you want to open or write the address of the website you want to visit.



### Multimedia Function

This option allows you to bind multimedia playback controls to your device. After selecting Multimedia Function, a submenu will appear. Listed below are the multimedia playback controls you can choose from the submenu:

- Volume Down - Decreases the audio output.
- Volume Up - Increases the audio output.
- Mute Volume - Mutes the audio.
- Mic Volume Up - Increases the microphone volume.
- Mic Volume Down - Decreases the microphone volume.
- Mute Mic - Mutes the microphone.
- Mute All - Mute both microphone and audio output.
- Play / Pause - Play, pause, or resume playback of the current media.
- Previous Track - Play the previous track.
- Next Track - Play the next track.



## Windows 8 Charms

This option enables you to assign your preferred key into a Windows 8 shortcut command. Listed below are the Windows 8 charm shortcuts you can choose from:

- Snap App to Left – Maximizes an active window to the left side of the screen.
- Snap App to Right – Maximizes an active window to the right of the screen.
- Snap App to Up – Restores or maximizes an active window.
- Snap App to Down – Restores or minimizes an active window.
- Take Screenshot and Save to Pictures – Captures a screenshot which is then saved directly to the Pictures folder of your PC.
- App Bar\* - Opens the Windows 8 app bar.
- Search Charm – Opens the Search Charm pane\* or the Windows Search bar.
- Share Charm\* – Opens the Share Charm pane.
- Start [ Toggle between Desktop and Metro ] - Switches between Desktop mode and Metro interface\* or opens the Start menu.
- Device Charm – Opens the Devices Charm pane\* or the Connect Quick action pane.
- Settings Charm – Opens the Setting Charm pane\* or Windows Settings.

\*Applicable for Windows 8 only.



## Windows Shortcuts

This option enables you to assign the key into an Operating System shortcut command. For more information please visit: <http://support.microsoft.com/kb/126449>



## Shortcuts

This option enables you to assign the key into an Operating System shortcut command. For more information please visit: <http://support.apple.com/kb/ht1343>



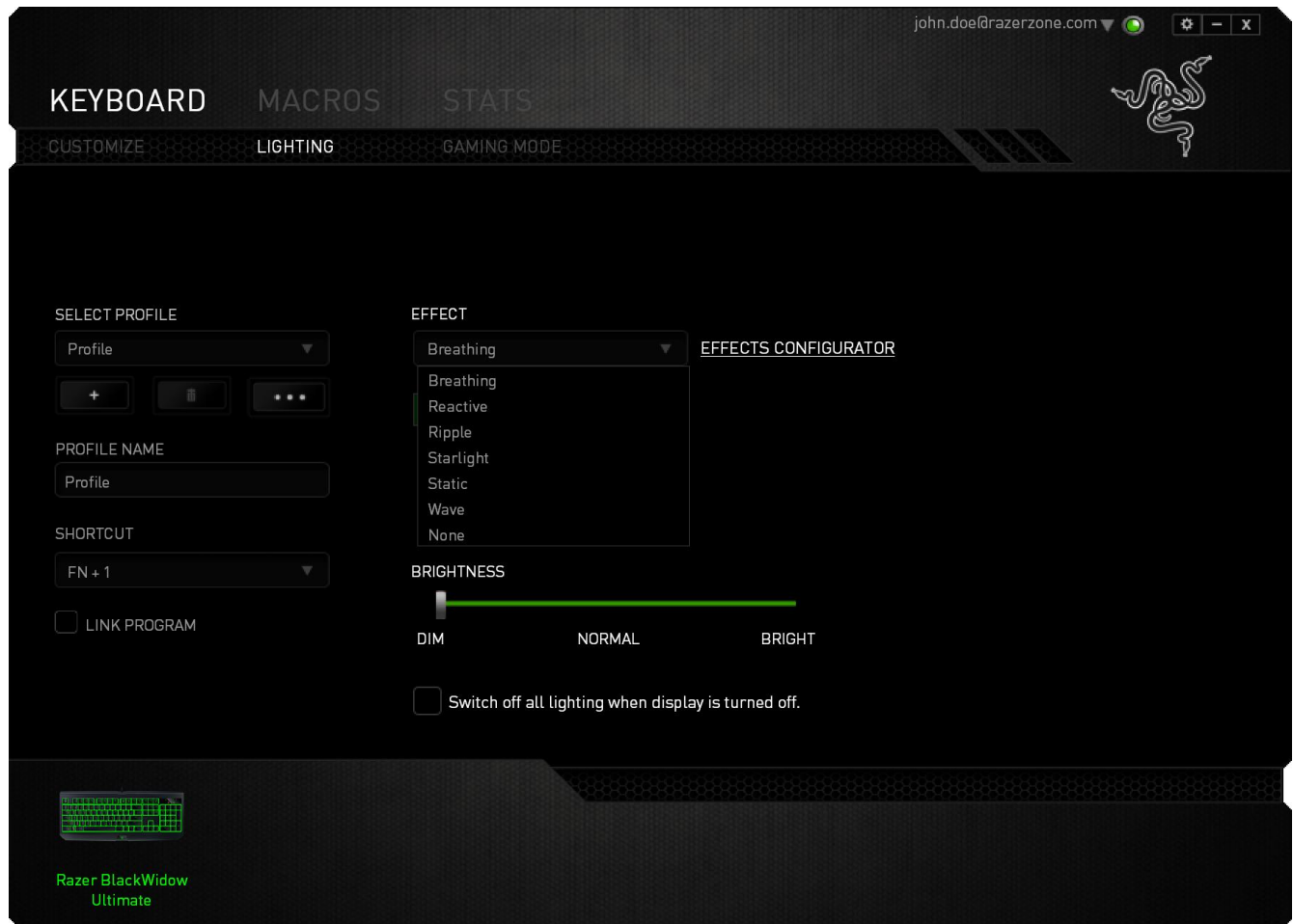
## Disable

This option renders the assigned key unusable. Use Disable if you do not want to use the key or if it interferes with your gaming.

## Lighting Tab







The Lighting Tab on Razer Synapse allows you to customize your Razer device by allowing you to choose from different basic lighting effects or create your own using the Effects Configurator. Changes made in this tab will be automatically saved to the current profile.

 Note: LED indicators are not customizable.



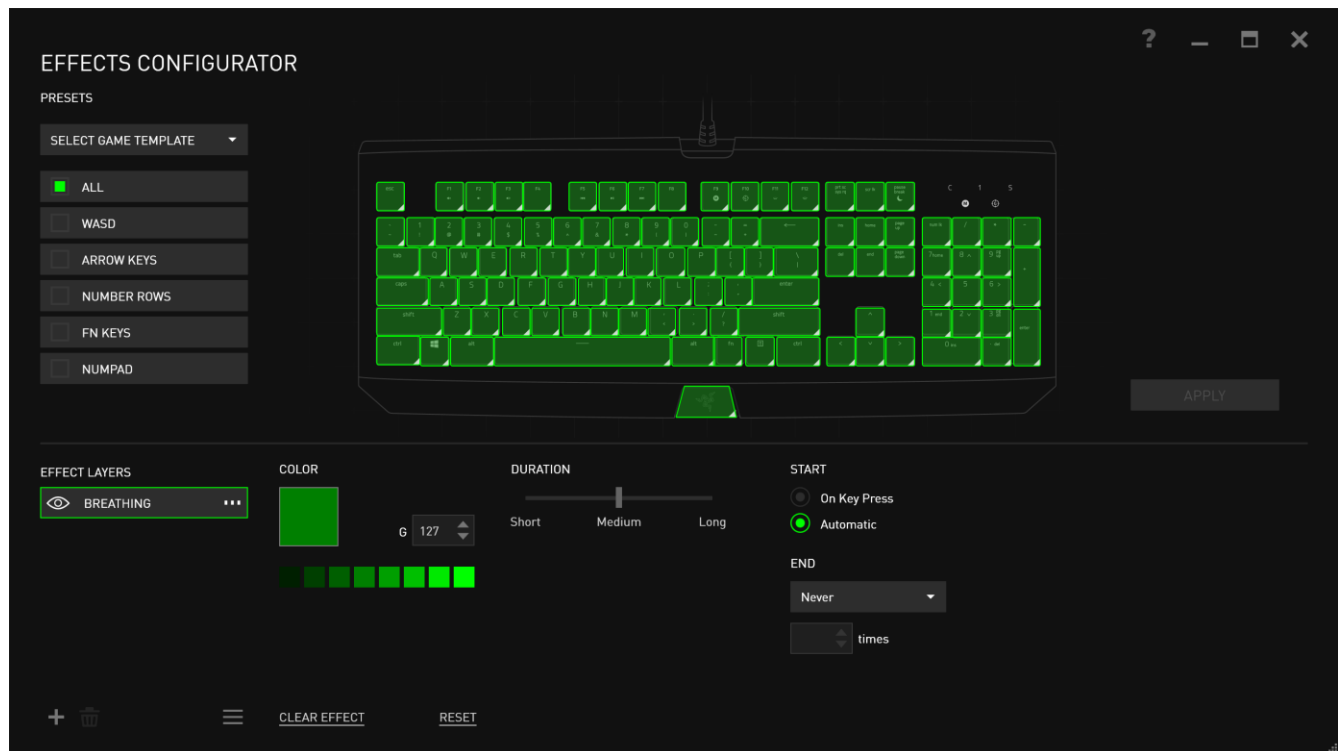
### Pre-loaded lighting effects

A number of pre-loaded lighting effects can be selected and applied to your keyboard lighting as a whole, such as static, breathing, etc. Select your desired effect and their corresponding properties from the bottom area of this tab.

	Name	Description	How to set up
	Wave	The keyboard lighting will scroll in the direction selected	Select either left-to-right or right-to-left wave direction
	Static	The keyboard will remain lit in the selected color	Select a shade or tint of color
	Breathing	The keyboard lighting fades in and out	Select a shade or tint of color
	Reactive	The keys will light up when pressed. The lit key will fade off after a specified period of time.	Select a shade or tint of color and a duration
	Ripple	The keyboard lighting ripples on key press, centered around the pressed key. Each ripple spreads across the entire keyboard once.	Select a shade or tint of color
	Starlight	Each key will have a chance of fading in and out at a random time and duration	No further customization required

## Effect Configurator

Accessible from the Lighting tab is the Effect Configurator which you can use to create advanced lighting effects for your Razer Chroma-enabled device. Click the EFFECTS CONFIGURATOR link to open the window and begin exploring the customization options for your device.



## Advanced lighting configuration

1. Select the zones on the keyboard to customize. You can select multiple regions with the CTRL key.
2. Add an Effect layer for the selected region.
3. Customize the effects using the various options.
4. Click the APPLY button to save and apply all configurations to your keyboard.

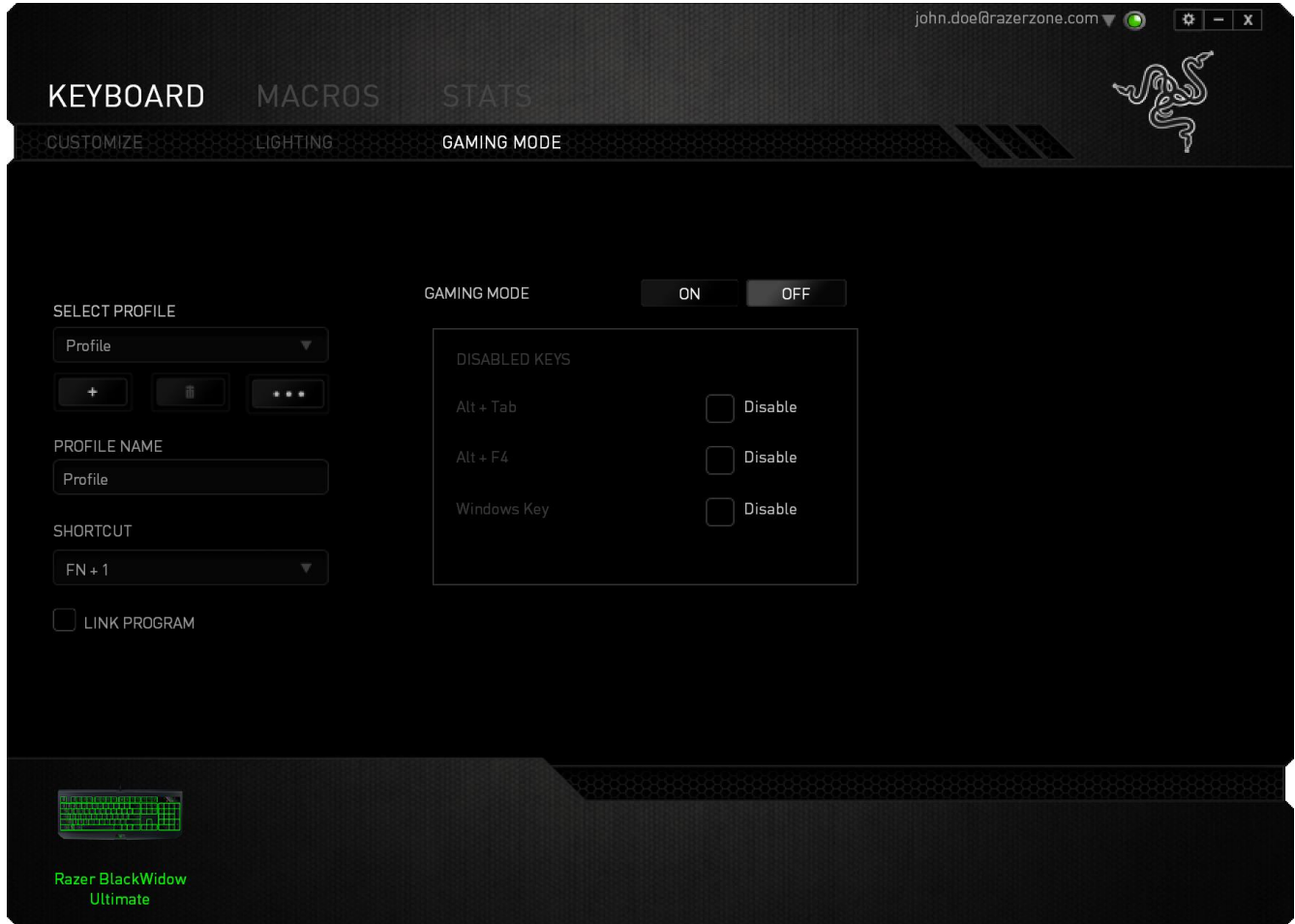
## Customized lighting effects

You can also select the lighting color for each key individually. Select the Effect "Custom" and select the key to change. Then pick a color using the color picker.

The "Custom" option also includes templates for various game genres such as FPS, MOBA, MMO and RTS etc.

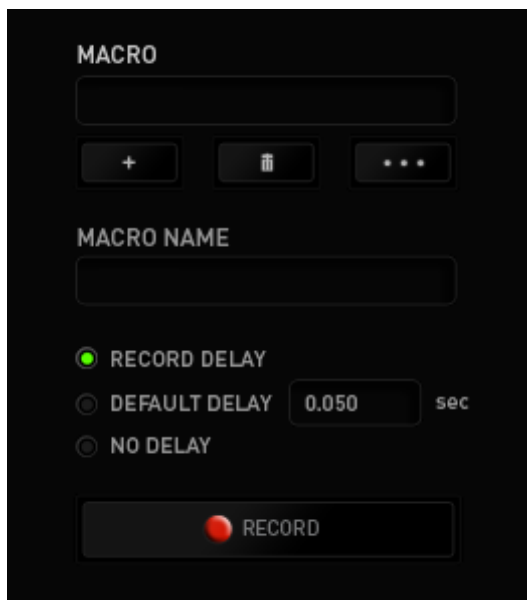
## Gaming Mode Tab

The Gaming Mode Tab allows you to customize which keys to disable when Gaming Mode is activated. Depending on your settings, you may choose to disable the Windows key, Alt + Tab and Alt + F4. An indicator will light up when the function is currently turned ON.








## MACROS TAB

The Macros Tab allows you to create a series of precise keystrokes and button presses. This tab also allows you to have numerous macros and extremely long macro commands at your disposal.



The Macro section works similarly to Profile wherein you can rename a macro by typing on the field below MACRO NAME. There are also other options available in the macro section such as creating a

new macro by clicking the  button and deleting the current macro by clicking the  button. The  button allows you to Copy, Import, and Export macros.

To create a macro command, simply click the  button and all your keystrokes and button presses will automatically register on the macro screen. When you are done recording your macro commands, click on the  button to end the session.

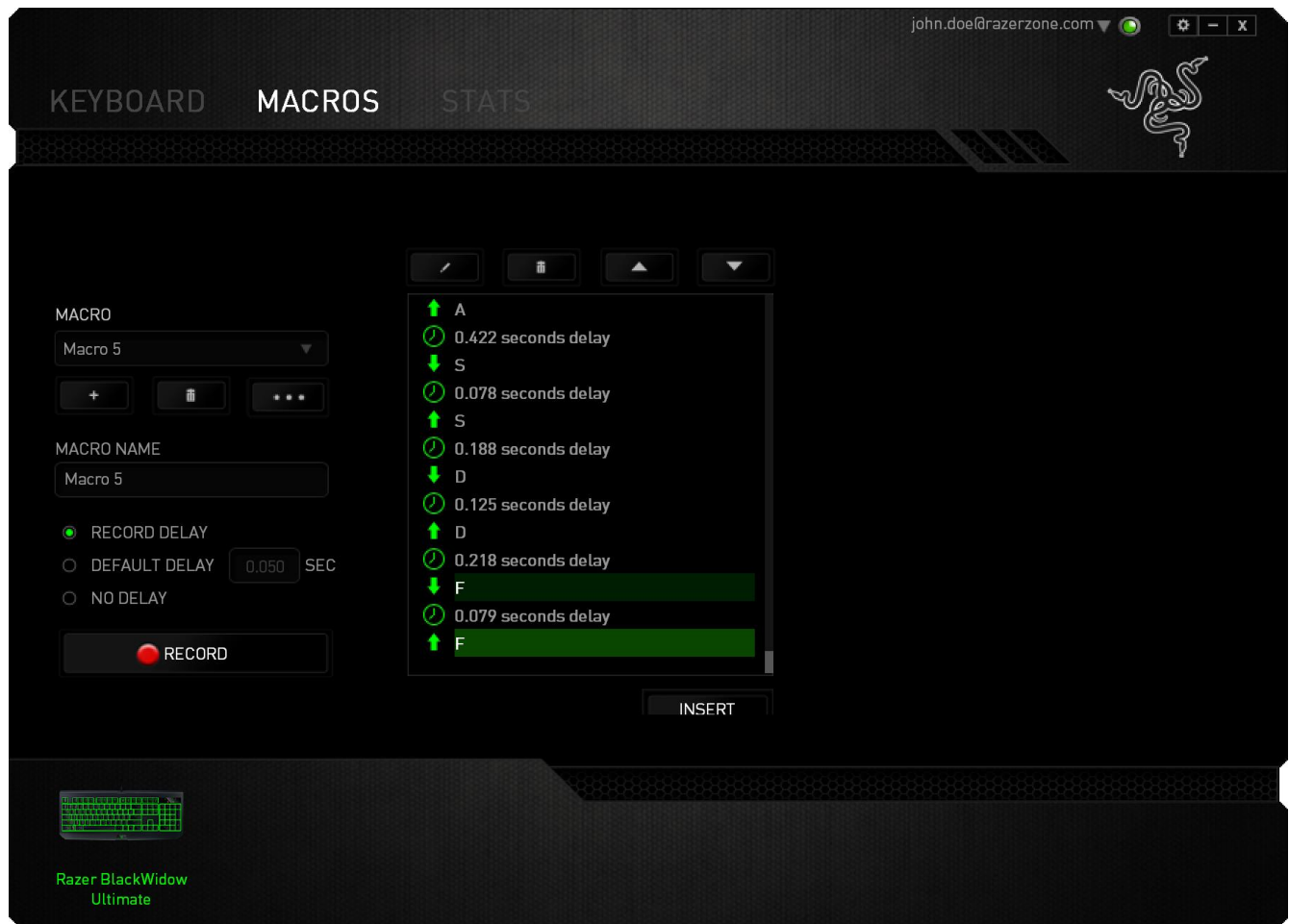
The Macro section allows you to input the delay in-between commands. In RECORD DELAY the delay in-between commands are registered as how it is entered. The DEFAULT DELAY uses a predefined time (expressed in seconds) as the delay. And NO DELAY omits all the pauses in-between keystrokes and button presses.








**i** Note: You may use up to three decimal places when inserting values on the seconds (sec) field.




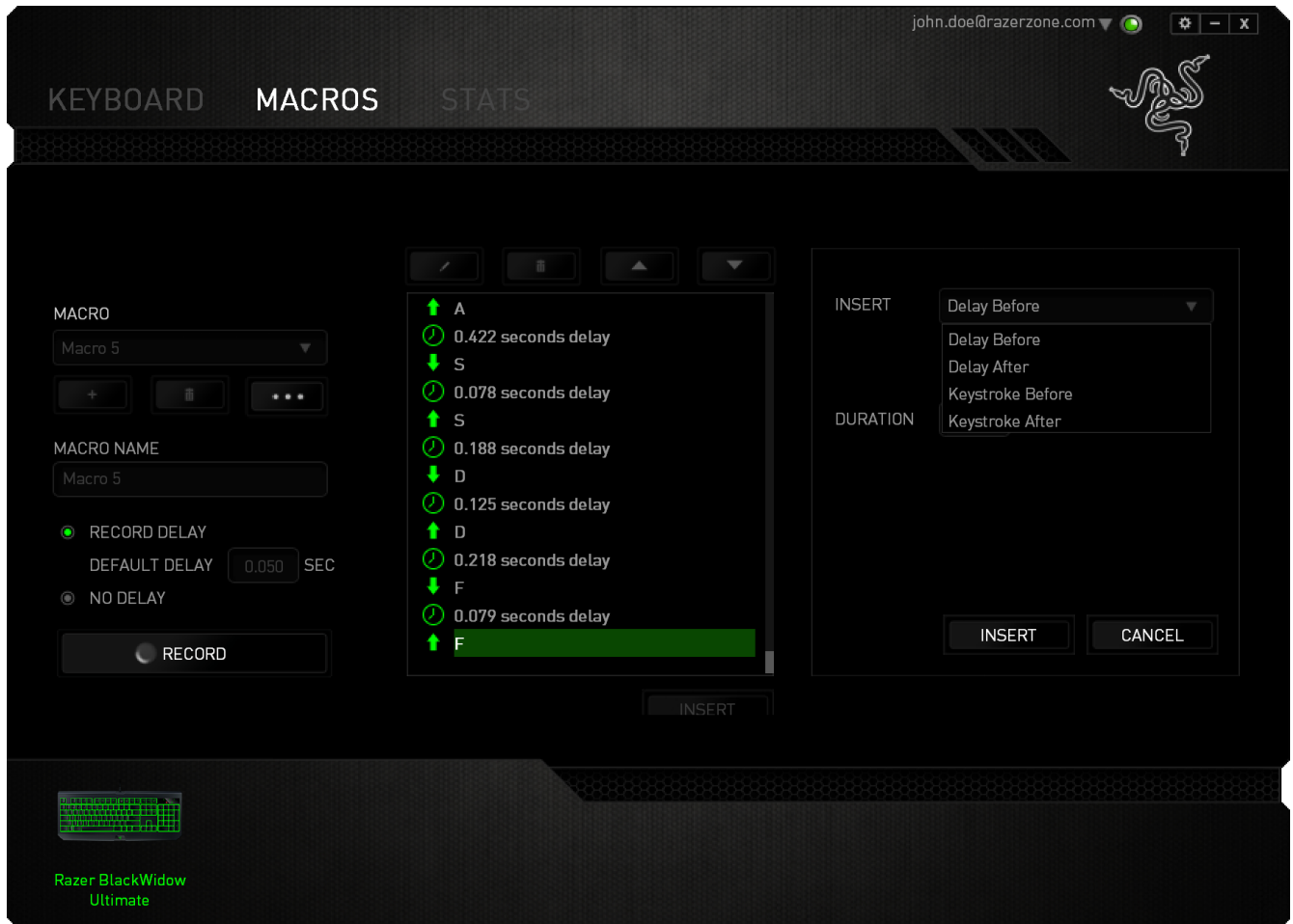
Once you have recorded a macro, you may edit the commands you have entered by selecting each command on the macro screen. Each keystroke or button press is arranged sequentially with the first command shown at the top of the screen.

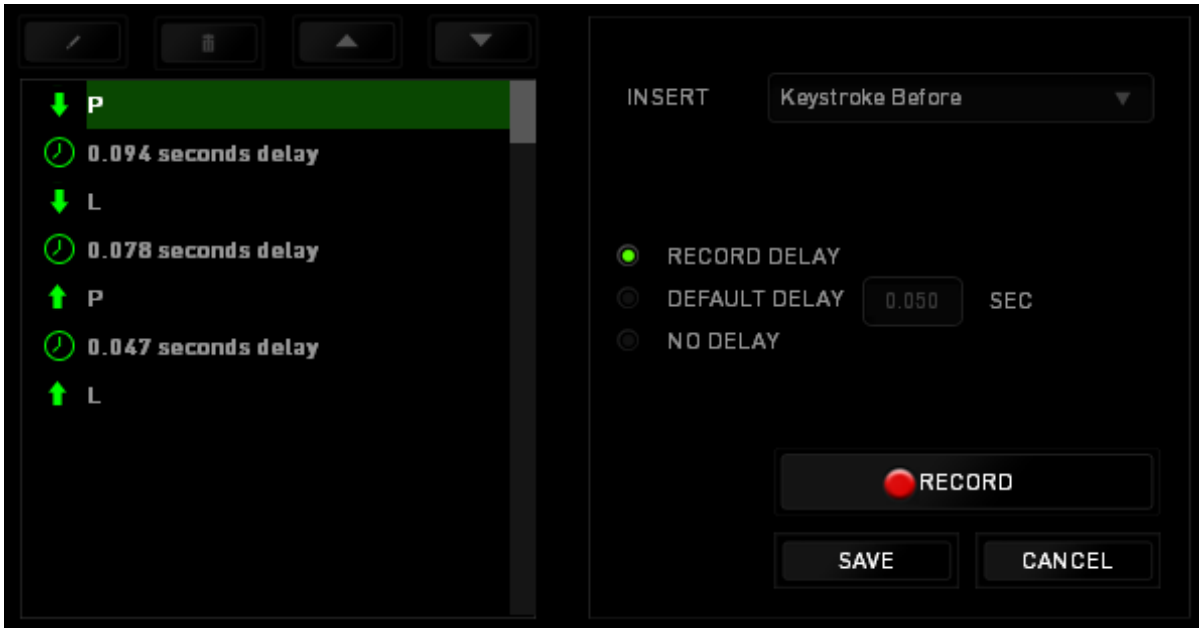



The  button allows you to edit a particular command and the  button enables you to delete a command. The  and  buttons give you the option to move the command up or down.

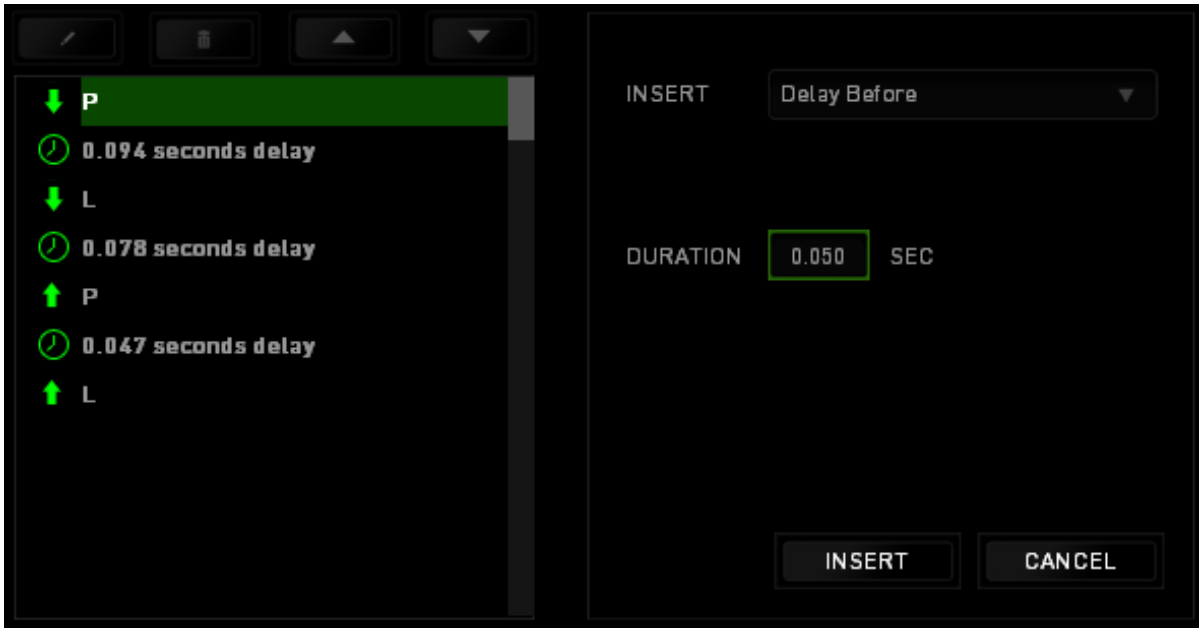
The  button allows you to put in additional keystrokes, button presses or time delays either before or after the selected command.

Once you have pressed the  button, a new display window will appear beside the list of macro commands. The dropdown menu on this window allows you to choose a keystroke or a delay to be added in before or after the highlighted macro command.





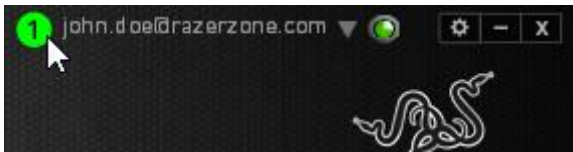
You may add in a new set of macro commands by clicking the  button on the keystroke menu; or input time delays on the duration field using the delay menu.



## STATS & HEATMAPS

**i** Note: The images shown here are for reference only and may differ from the actual device.


Stats & Heatmaps help you analyze your gameplay by tracking your in-game mouse clicks, mouse movement and keyboard usage and visualizing it in form of heatmap overlays. This function is disabled by default. To enable this function, click the notification icon next to your user name in the Razer Synapse window and select "Enable Stats & Heatmaps".

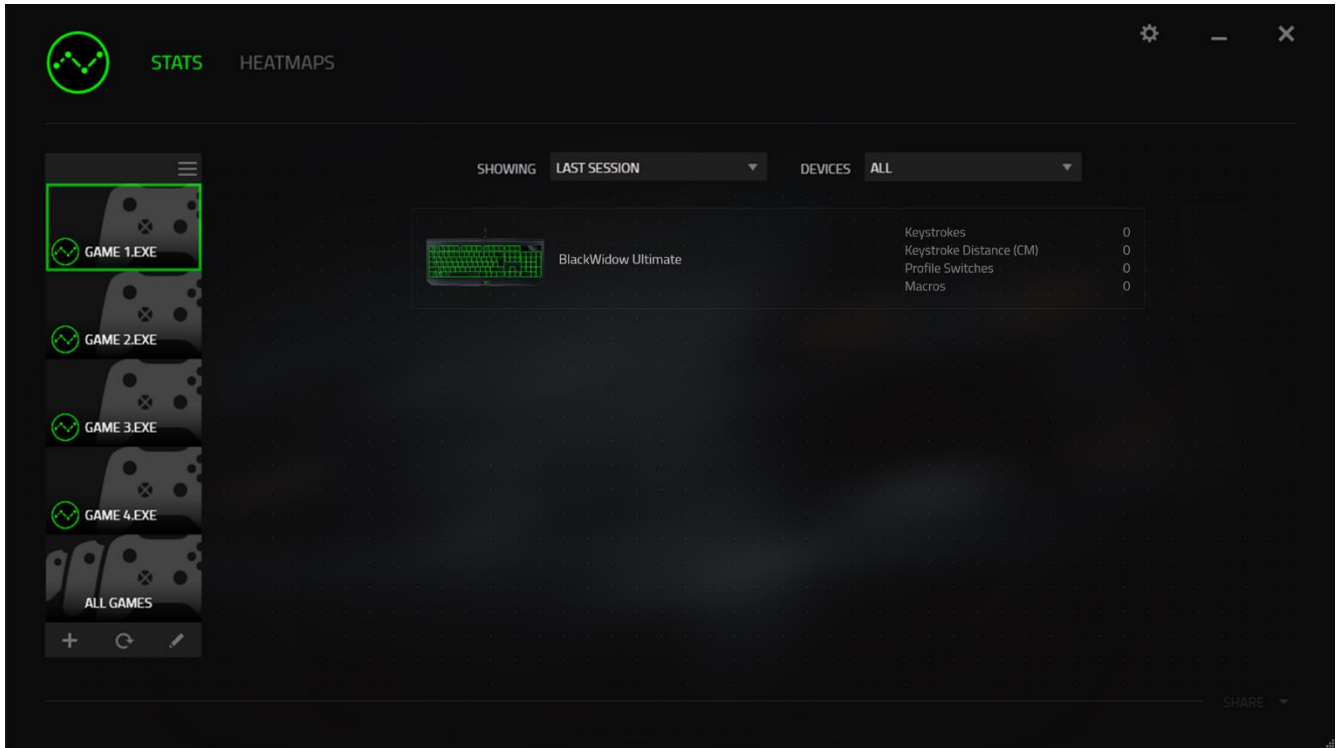





Confirm to enable the function in the dialog box that appears. Return to Razer Synapse and a new "Stats" tab will be available. Simply click the tab to open the function window.



## Games List

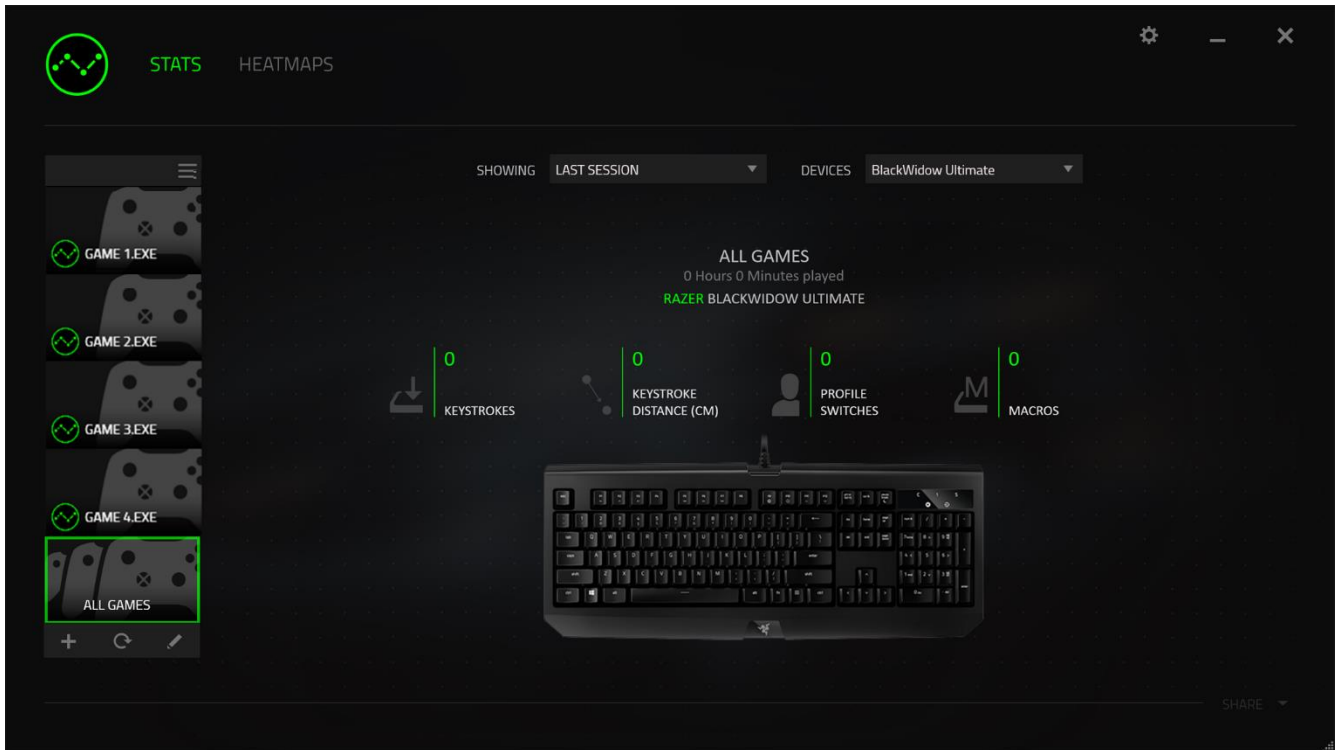
Stats & Heatmaps work by tracking the usage of all supported devices for each game. When the feature is enabled, it automatically scans your system for installed games and adds them to the Games List located on the left side of the screen. Click  to show or hide the Games List.



From this list, you can add more games that have not been automatically detected, using the  button, edit games with the  button or re-scan your system with the  button to search for newly installed games.

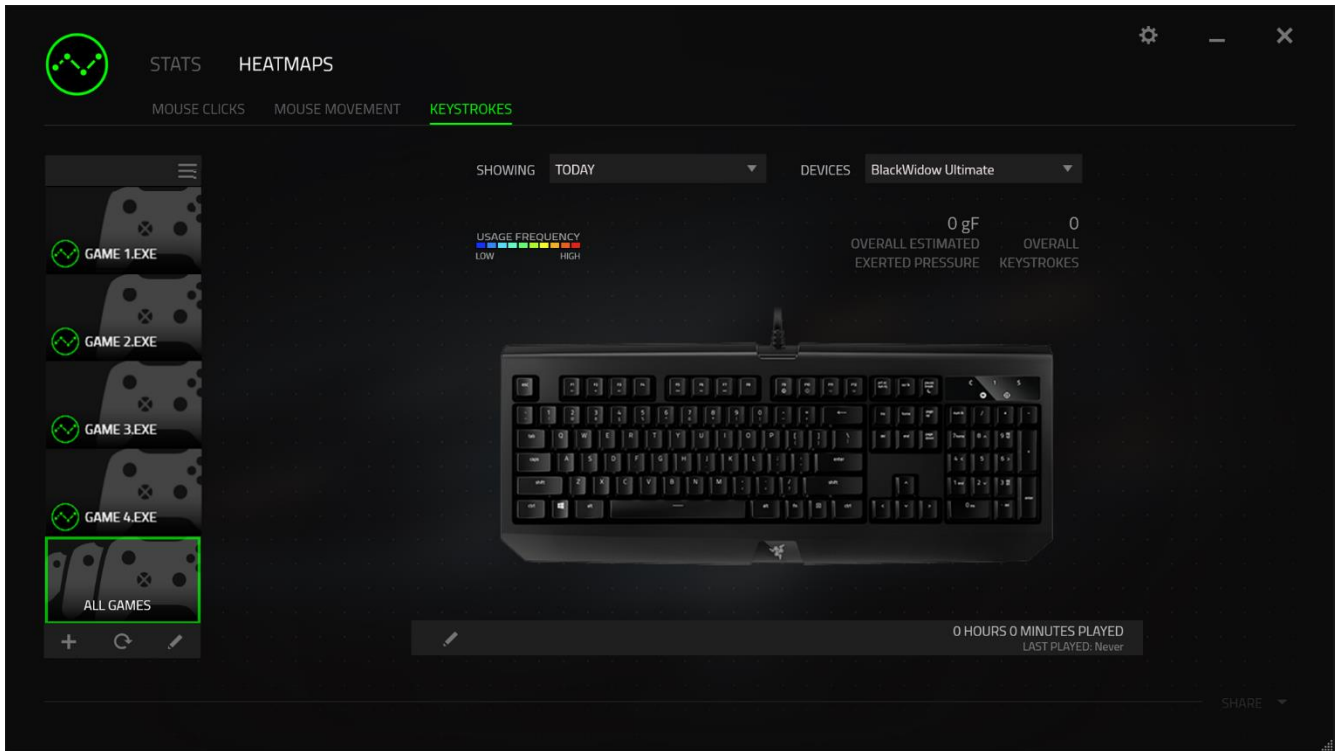
## Stats Tab

By default, the Stats Tab shows you the overall statistics of all your Razer devices for all games and all time. You can select a specific game via the game list on the left side, change the time period using the SHOWING dropdown menu, or the Razer device using the DEVICES dropdown menu.



## Heatmaps Tab - Keyboard

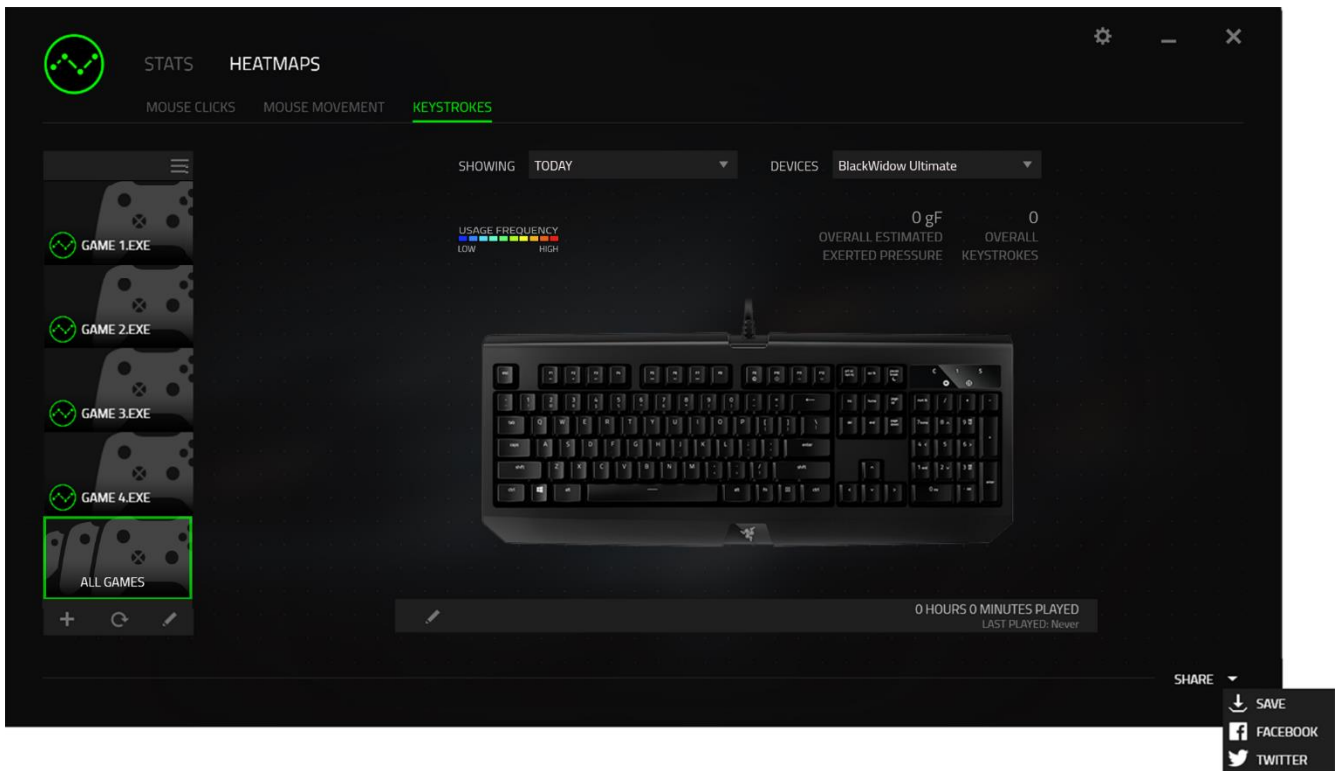
Heatmaps Tab shows the most frequently used keys on your Razer device for each game on your Games List.




## Social Media

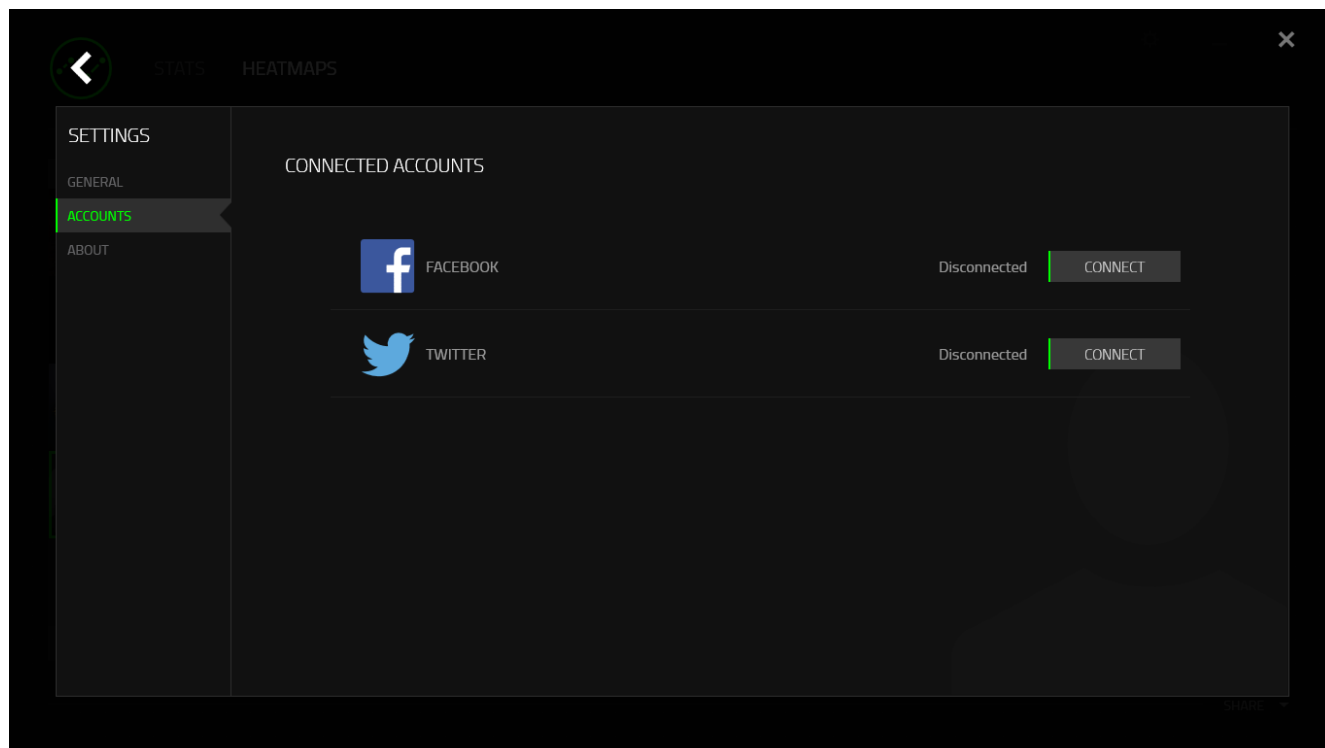
You can share your heatmap image on social media networks such as Facebook or Twitter directly from Razer Synapse.

From the Heatmaps tab, click the Share button on the bottom right of the screen. You will be prompted to login to the selected social media using an existing account if you have not already done so.





You can also login to your social media accounts first from the "SETTINGS" screen. From the Stats & Heatmaps window, click . Select the "ACCOUNTS" tab. Click CONNECT next to the social media network you wish to sync with. Enter your login details and wait for the connection to complete.



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## 8. SAFETY AND MAINTENANCE

### SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer BlackWidow Ultimate, we suggest that you adopt the following guidelines:

Should you have trouble operating the device properly and troubleshooting does not work, unplug the device and contact the Razer hotline or go to [razersupport.com](https://razer.com/support) for support. Do not attempt to service or fix the device yourself at any time.

Do not take apart the device (doing so will void your warranty) and do not attempt to operate it under abnormal current loads.

Operate the device only within the specific temperature range of 0°C (32°F) to 40°C (104°F). Should the temperature exceed this range, unplug and/or switch off the device in order to let the temperature stabilize to an optimal level.

### COMFORT

Research has shown that long periods of repetitive motion, improper positioning of your computer peripherals, incorrect body position, and poor habits may be associated with physical discomfort and injury to nerves, tendons, and muscles. Below are some guidelines to avoid injury and ensure optimum comfort while using your Razer BlackWidow Ultimate.

- Position your keyboard and monitor directly in front of you with your mouse next to it. Place your elbows next to your side, not too far away and your keyboard within easy reach.
- Adjust the height of your chair and table so that the keyboard and mouse are at or below elbow height.
- Keep your feet well supported, posture straight and your shoulders relaxed.
- During gameplay, relax your wrist and keep it straight. If you do the same tasks with your hands repeatedly, try not to bend, extend or twist your hands for long periods.
- Do not rest your wrists on hard surfaces for long periods. Use a wrist rest to support your wrist while gaming.
- Customize the keys on your keyboard to suit your style of gaming in order to minimize repetitive or awkward motions while gaming.
- Do not sit in the same position all day. Get up, step away from your desk and do exercises to stretch your arms, shoulders, neck and legs.

If you should experience any physical discomfort while using your keyboard, such as pain, numbness, or tingling in your hands, wrists, elbows, shoulders, neck or back, please consult a qualified medical doctor immediately.

## MAINTENANCE AND USE

The Razer BlackWidow Ultimate requires minimum maintenance to keep it in optimum condition. Once a month, we recommend you unplug the device from the computer and clean it using a soft cloth or cotton swab with a bit of warm water to prevent dirt buildup. Do not use soap or harsh cleaning agents.

The Razer BlackWidow Ultimate is tested up to IP54 and is designed to be dust, splash and/or spill resistant. Should any spillage on the device occur, make sure that you have unplugged the device and that its USB connector is kept completely dry, before doing any of the following:

- For non-sticky solvents (e.g. water), lightly shake the keyboard to completely drain the device of any remaining liquid.
- For sticky solvents (e.g. coffee, soda), gently pour water on its surface to rinse the device off any sticky residue. You may then lightly shake the keyboard to completely drain the device of any remaining liquid. Do not expose the device to excessive running water or undue water pressure.

**Once drained, use a soft cloth to completely dry the keyboard's surface of any moisture.**

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## 9. LEGALESE

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### LIMITED PRODUCT WARRANTY

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## GENERAL

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