

RAZER BLACKWIDOW V4 PRO

MASTER GUIDE

Empower your play with a centerpiece that elevates your entire setup. Enter the next phase of battlestation evolution with the ultimate mechanical gaming keyboard. Take full command with a set of features designed for advanced control, and enhance your immersion with full-blown Razer Chroma™ RGB.

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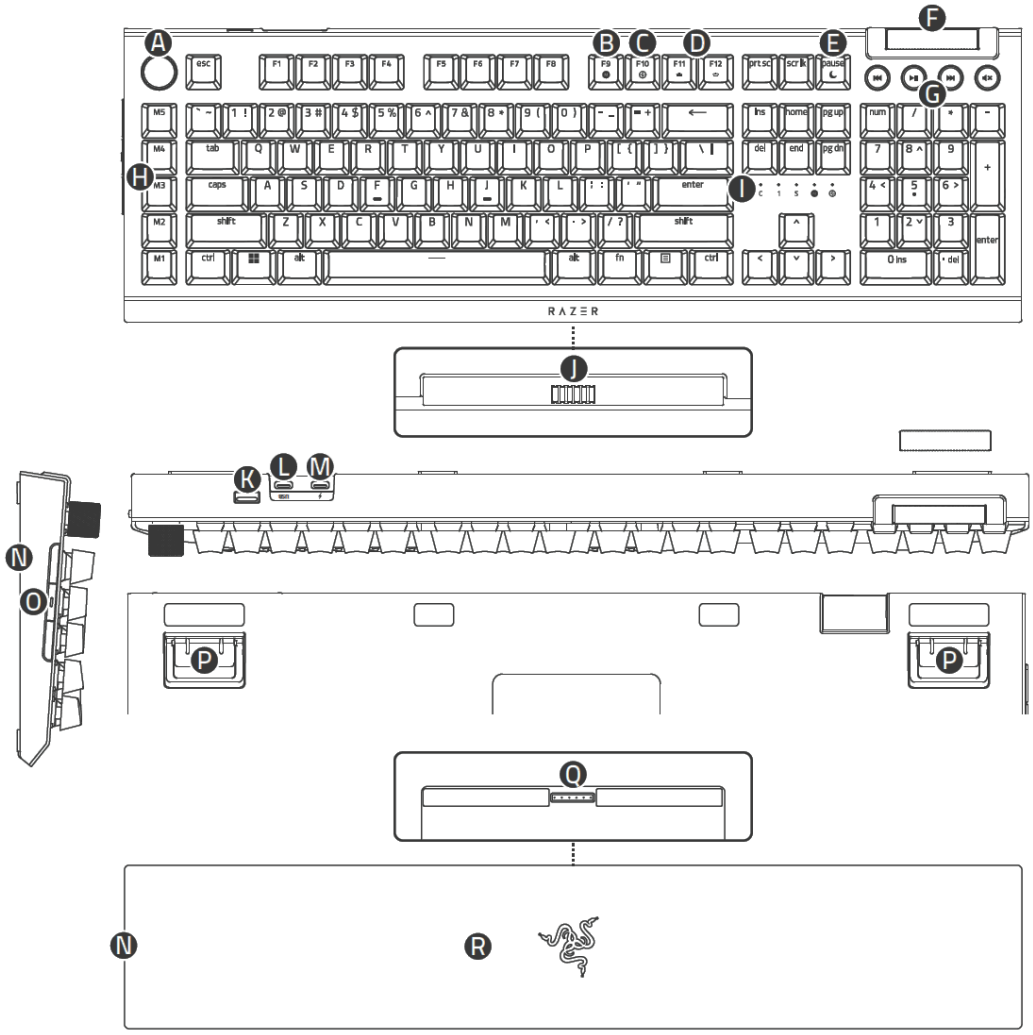
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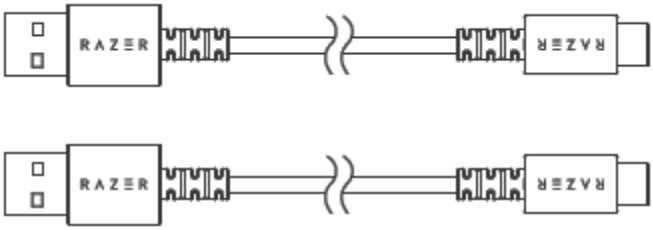
1. WHAT'S INSIDE

- Razer BlackWidow V4 Pro



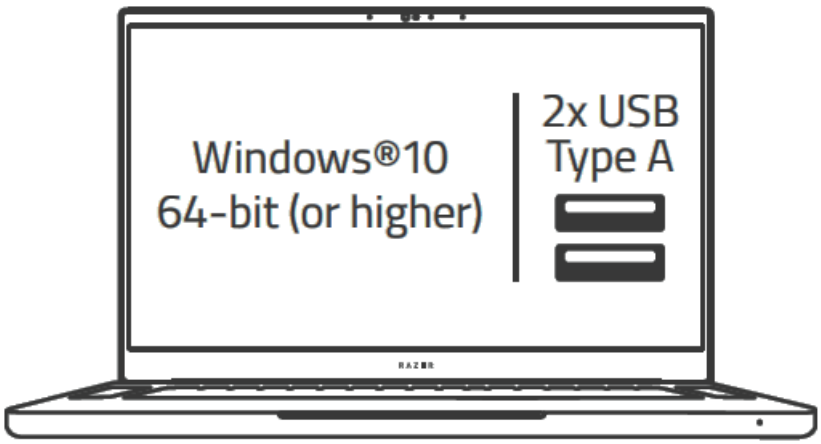
A. Razer™ Command Dial
B. On-the-fly macro record key
C. Gaming mode key
D. Backlight control keys
E. Sleep mode key
F. Multi-function roller
G. Media buttons
H. Dedicated Macro keys
I. LED indicators
J. Wrist rest port
K. USB 2.0 Type A port
L. USB 2.0 Type C power port
M. USB 2.0 Type C passthrough port
N. Razer Chroma™ RGB underglow lighting
O. Customizable macro side buttons
P. Kickstand
Q. Magnetic wrist rest connector
R. Plush leatherette wrist rest

- 2x USB Type A to Type C cables

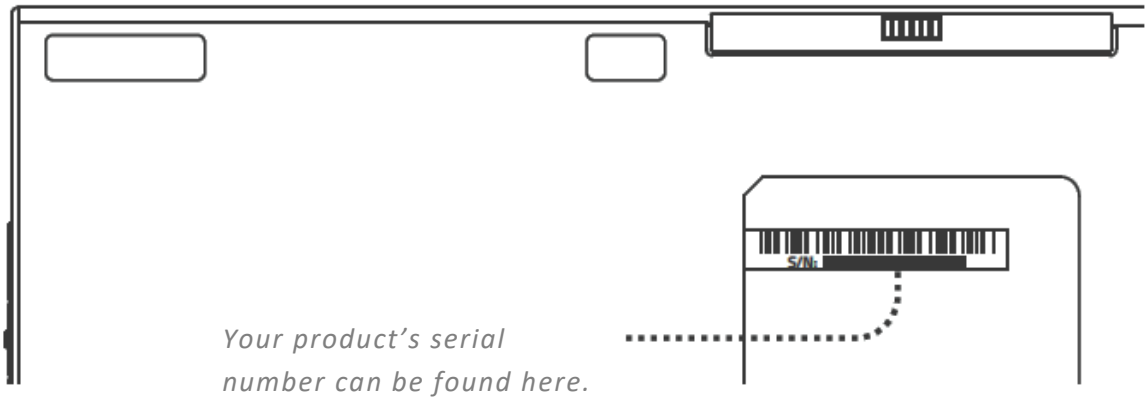


- Important Product Information Guide

2. WHAT'S NEEDED



3. LET'S GET YOU COVERED



Your product's serial number can be found here.

2 YEAR WARRANTY

Register your product and score exclusive benefits

razerid.razer.com/warranty

4. TECHNICAL SPECIFICATIONS

FEATURES

- Razer™ Mechanical Switches (Linear/Clicky)
- Razer Chroma™ RGB
- Razer™ Synapse 3.0 enabled
- 5052 Aluminum Alloy Top Case
- Doubleshot ABS Keycaps
- Razer™ Command Dial
- 5 dedicated macros keys
- 3 dedicated macro side buttons
- Dedicated media roller with 4 dedicated media buttons
- USB 2.0 Passthrough
- Detachable Type C Cable
- Sound dampening foam in bottom case and between the circuit board and top case
- Lubricated stabilizers
- Magnetic plush leatherette wrist rest
- 2-side underglow on main chassis with 3-side underglow on wrist-rest
- Hybrid on-board storage for up to 5 profiles
- Up to 8,000Hz polling rate

APPROXIMATE SIZE & WEIGHT

Without Wrist Rest

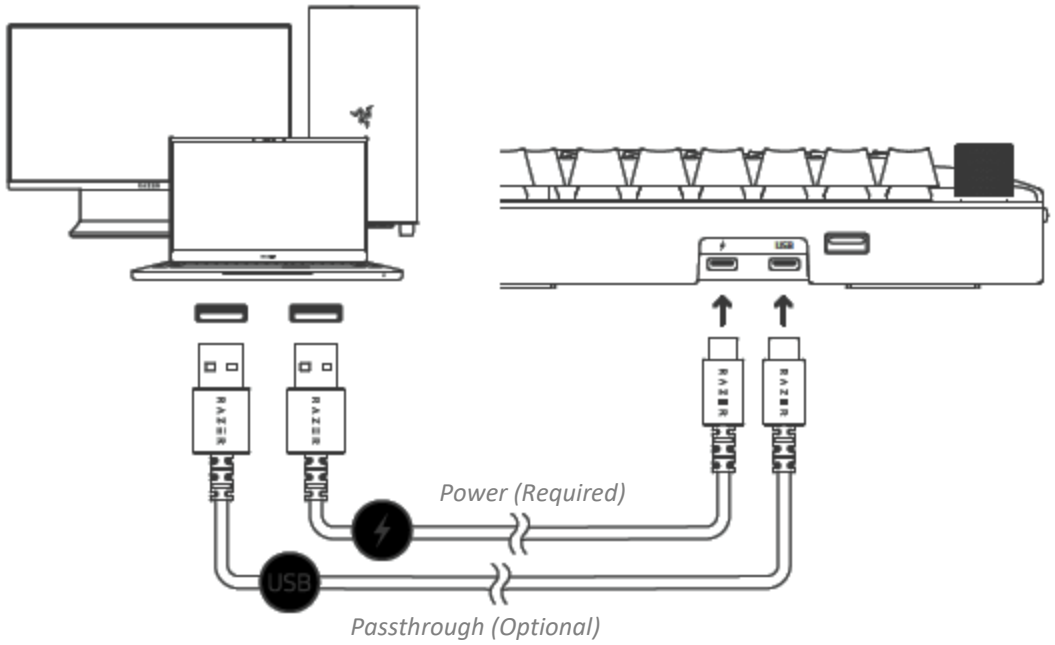
- Length: 466 mm / 18.3 in
- Width: 152.5 mm / 6 in
- Height: 44 mm / 1.73 in
- Weight: 1128.5 g / 2.49 lbs

With Wrist Rest

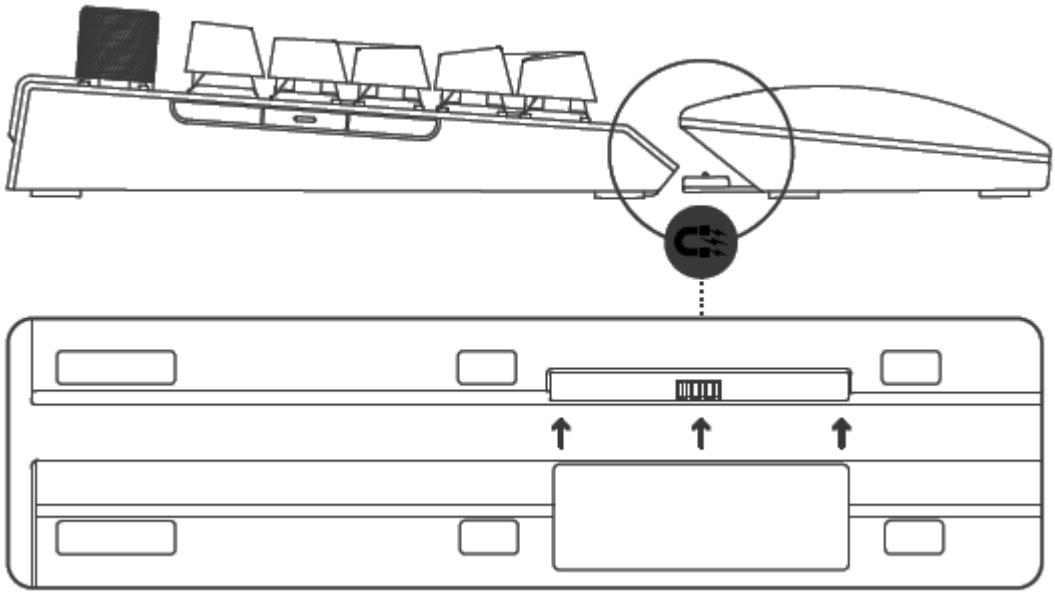
- Length: 466 mm / 18.3 in
- Width: 237.5 mm / 9.35 in
- Height: 44 mm / 1.73 in
- Weight: 1530 g / 3.37 lbs

5. SETTING UP YOUR RAZER BLACKWIDOW V4 PRO

1.



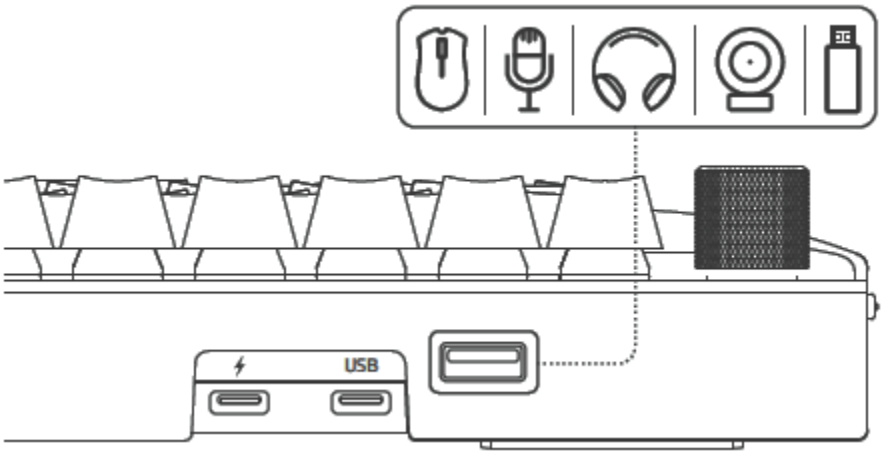
2.



Install Razer Synapse when prompted or download the installer from razer.com/synapse.

6. USING YOUR RAZER BLACKWIDOW V4 PRO

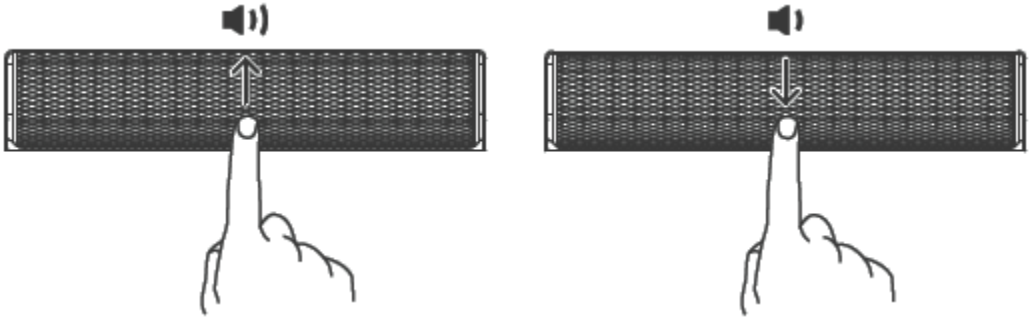
USB TYPE C TO TYPE A PASSTHROUGH



Not compatible with devices that require higher voltages or USB 3.0, such as external hard drives.

MEDIA CONTROLS

Multi-function Roller*



Media Buttons*

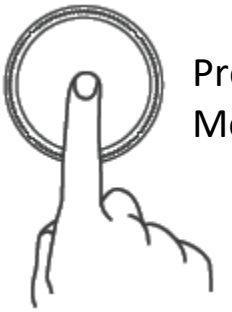


RAZER™ COMMAND DIAL*



Next Mode

SHIFT+

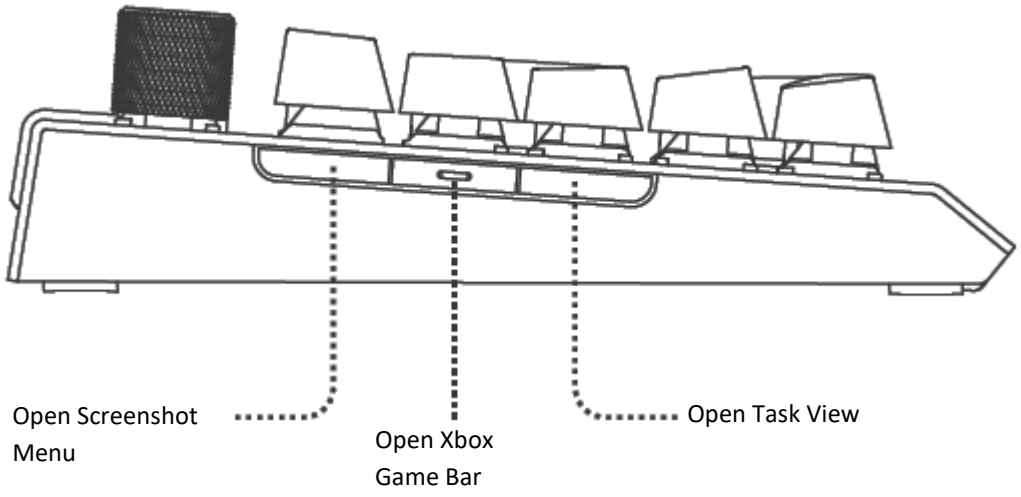


Previous Mode

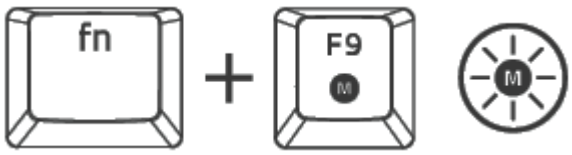
LED Color	Modes	Function
Green	Keyboard Brightness	Brightness Up Brightness Down
Red	Zoom	Zoom In Zoom Out
Blue	Switch Applications	Next App Previous App
Yellow	Track Jogging	Fast Forward Rewind

Use Razer Synapse to unlock the full potential of the Razer™ Command Dial, such as custom modes, re-ordering of modes, and more.

CUSTOMIZABLE MACRO SIDE BUTTONS*



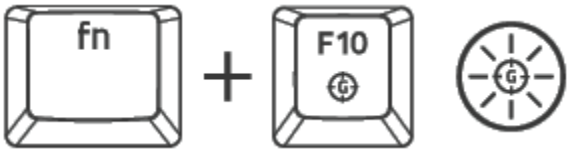
ON-THE-FLY MACRO RECORDING



Follow these steps to create an OTF Macro Recording:

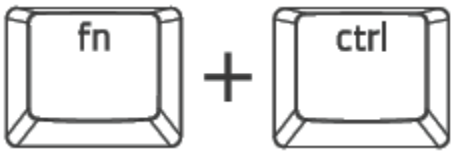
1. Press the key combination to start recording.
2. Type the keys you want to record.
3. Press the key combination to stop the recording or the ESC key to cancel the recording.
4. Wait for the OTF Macro record key to start blinking.
5. Press the desired Macro key to bind your recording.

GAMING MODE



Gaming Mode disables the Windows Key, Menu/App key, and the Switch Applications Mode from the Razer Command Dial to avoid accidental usage. You can choose to include the Alt+Tab and the Alt+F4 keys by changing the Gaming Mode settings on Razer Synapse. The Gaming mode key will light up when it is active.

CHROMA EFFECTS



Hotkey	Chroma Effect	Repeat hotkey to
FN + ctrl + 1	Off	N/A

FN + ctrl + 2	Static	Cycle different colors
FN + ctrl + 3	Breathing	Cycle different colors
FN + ctrl + 4	Spectrum cycling	N/A
FN + ctrl + 5	Wave	Change direction
FN + ctrl + 6	Reactive	Cycle different colors
FN + ctrl + 7	Starlight	Cycle different colors
FN + ctrl + 8	Ripple	Cycle different colors
FN + ctrl + 9	Wheel	Change direction

Use Razer Synapse to customize your keyboard's Razer™ Command Dial, dedicated macro keys, customizable side buttons, multi-function roller, media buttons, lighting effects, and more.

Find out more about your gaming-grade keyboard at support.razer.com.

7. CONFIGURING YOUR RAZER BLACKWIDOW V4 PRO

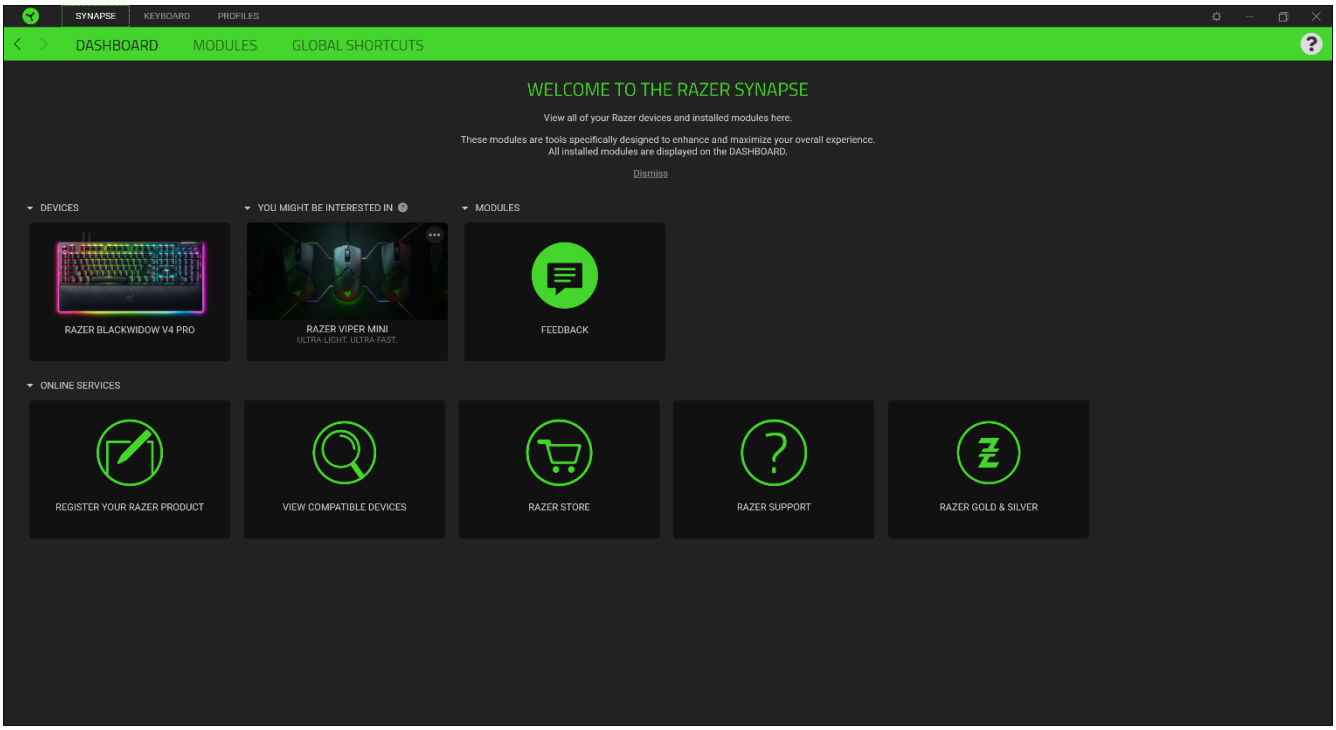
Disclaimer: The features listed here require you to log into Razer Synapse 3. These features are also subject to change based on the current software version and your Operating System.

SYNAPSE TAB

The Synapse tab is your default tab when you first launch Razer Synapse 3.

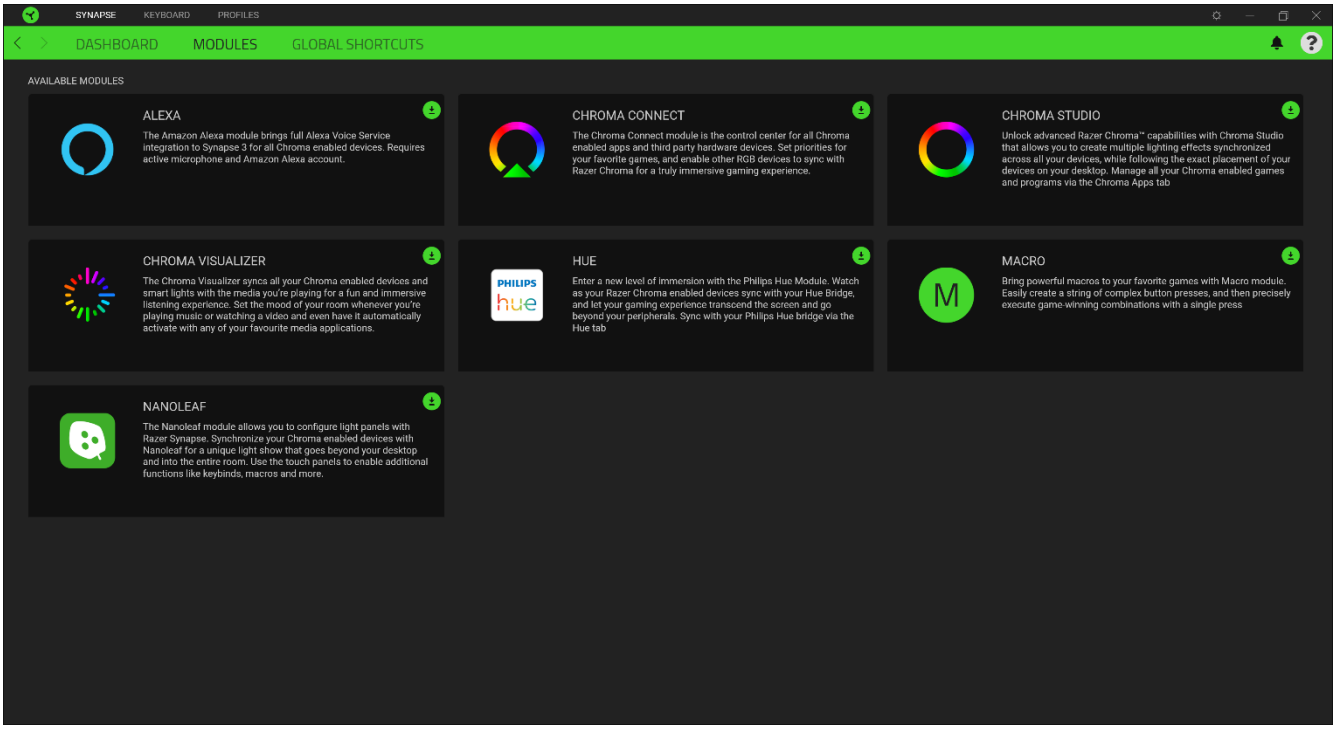
Dashboard

The Dashboard subtab is an overview of your Razer Synapse 3 where you can access all your Razer devices, modules, and online services.



Modules

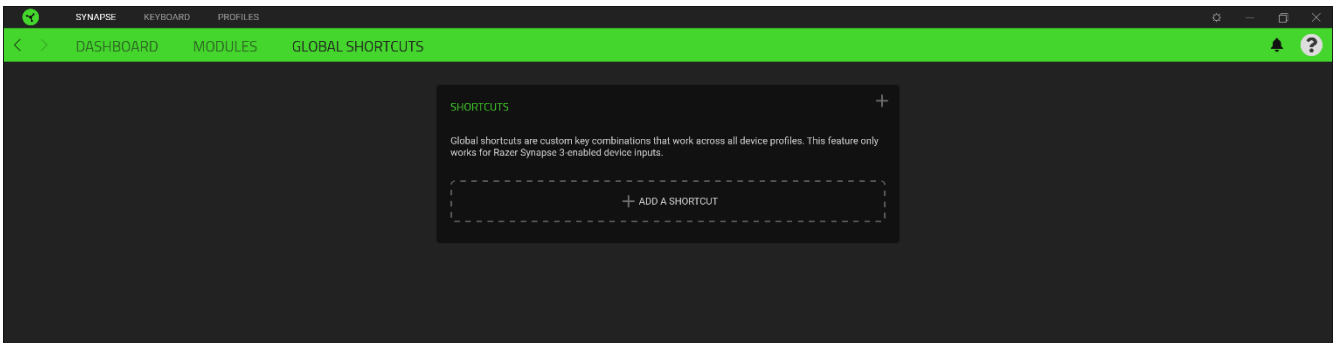
The Modules subtab displays all installed and available modules for installation.



Global Shortcuts

Bind operations or Razer Synapse functions to custom key-combinations from any Razer Synapse-enabled device inputs which apply across all device profiles.

Only Razer Synapse-enabled device inputs will be recognized.

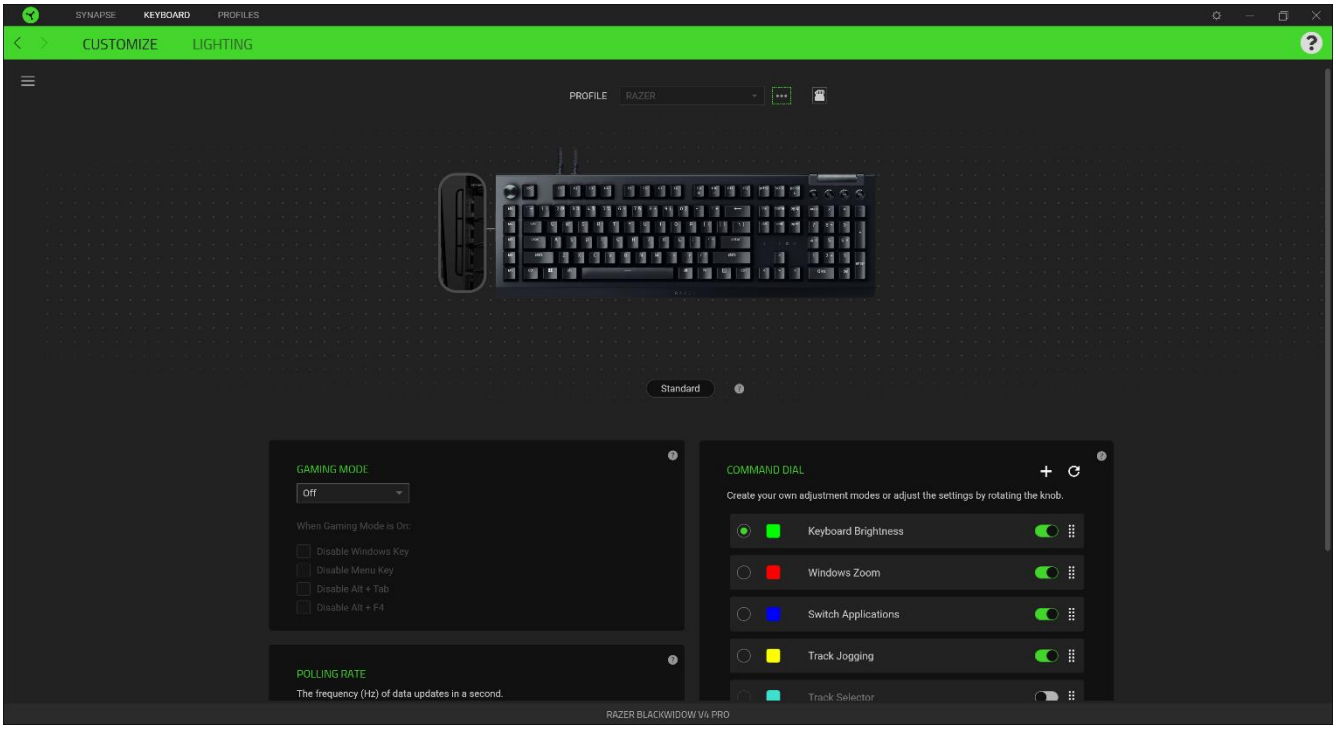


KEYBOARD

The Keyboard tab is the main tab for your Razer BlackWidow v4 Pro. From here, you can change your device settings such as key assignments, gaming mode settings, and your device's lighting. Changes made under this tab are automatically saved to your system and cloud storage.

Customize

The Customize subtab is for modifying your keyboard's key assignments and gaming mode settings.



Profile

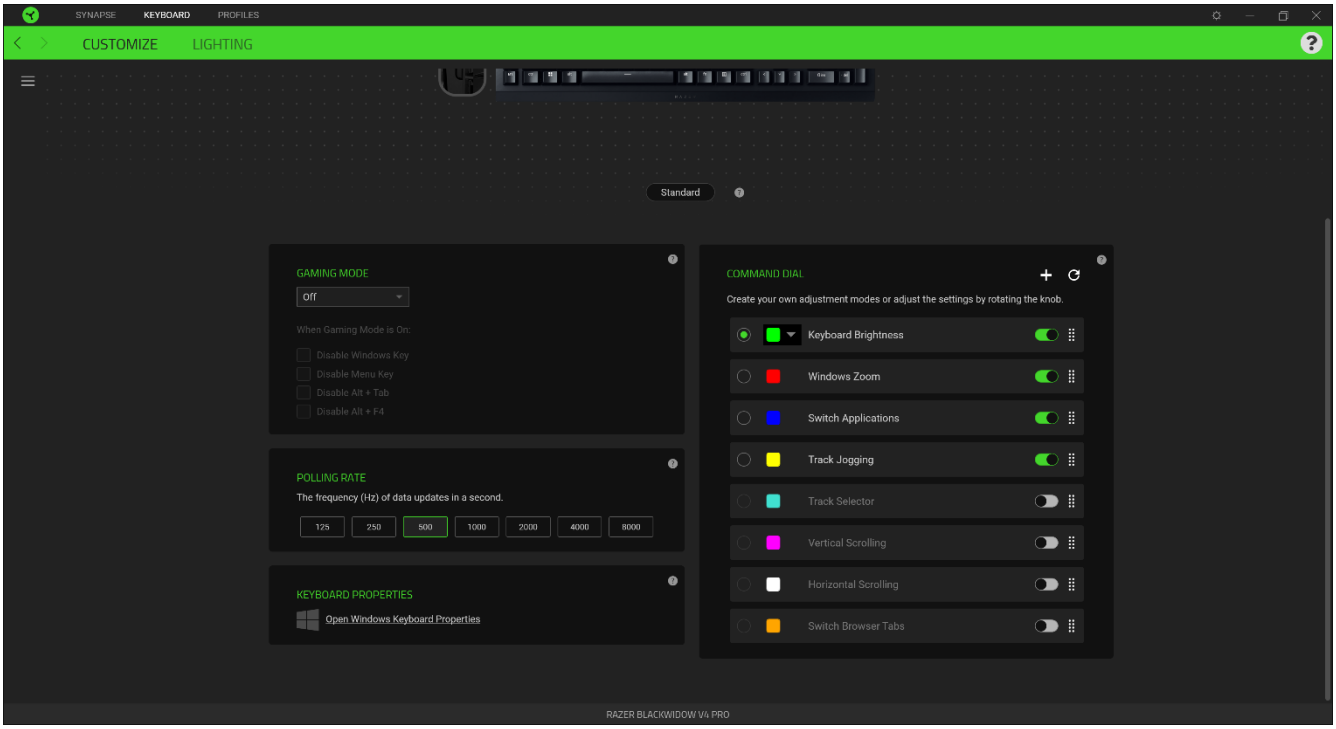
Profile is a data storage for keeping all your Razer peripheral's settings. By default, the profile name is based on your system's name. To add, import, rename, duplicate, export, or delete a profile, simply press the profile's corresponding Miscellaneous button (•••).

Hypershift

Hypershift mode is a secondary set of key assignments that is activated when the Hypershift key is held down. By default, the Hypershift key is assigned to the fn key of your Razer Synapse 3 supported keyboard however, you can also assign any key as a Hypershift key.

Gaming Mode

Gaming Mode enables 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.



Polling Rate

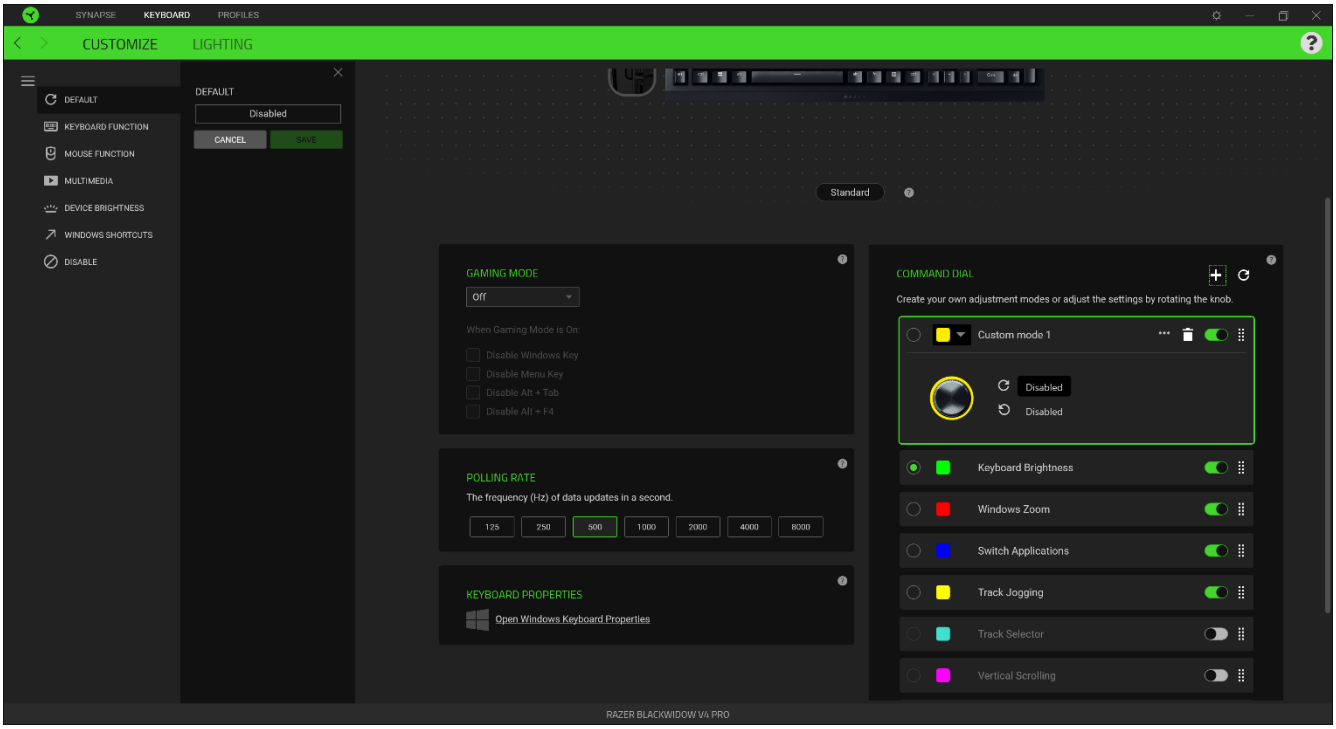
The higher the polling rate, the more frequently the computer receives information about the status of your keyboard; thereby reducing the keyboard's input latency. You can select from 125Hz all the way to 8000Hz.

Keyboard Properties

Allows you to open the Windows Keyboard Properties where you can modify other keyboard settings such as Repeat delay, Repeat Rate, and Cursor blink rate, or view all keyboard drivers installed in your PC.

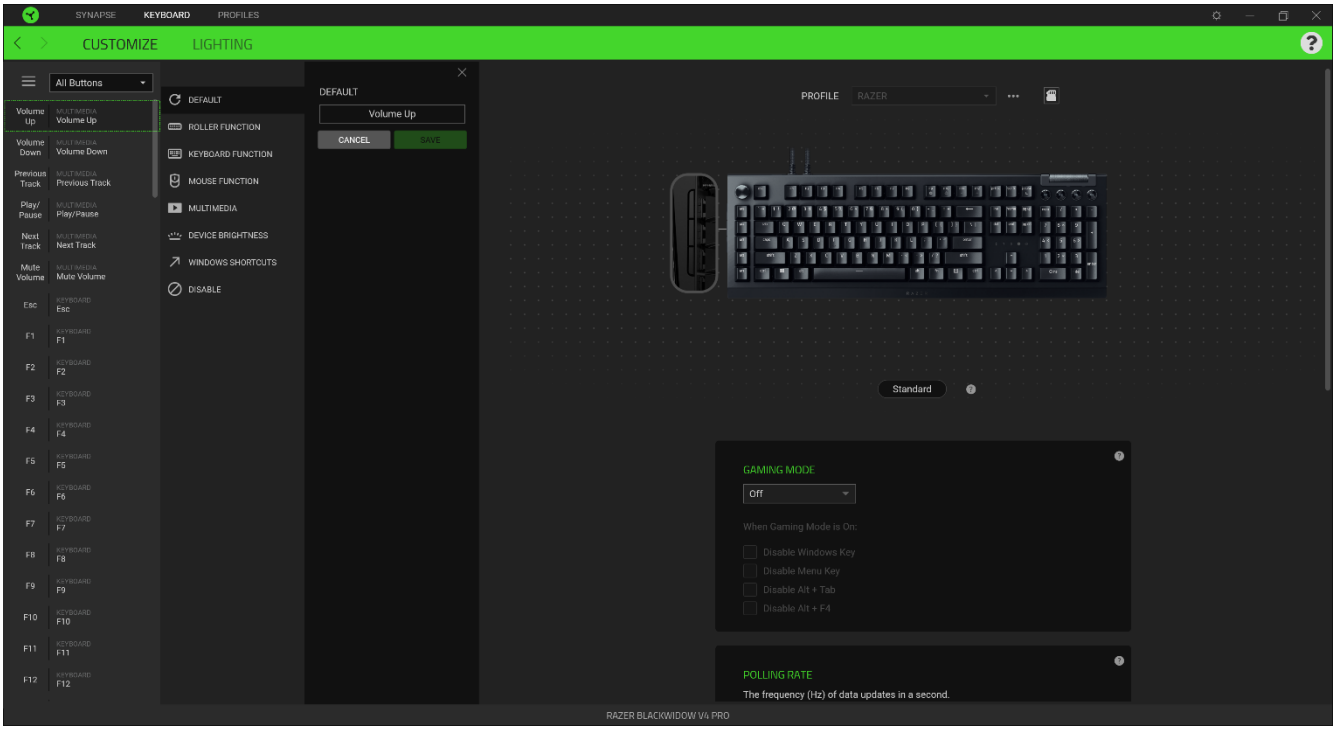
Command Dial

Enable new modes for the Command Dial such as Track Selector, Vertical Scrolling, Horizontal Scrolling, and Switch Browser Tabs. You can also change the color of each mode using the dropdown menu and rearrange the sequence of each mode using the drag-and-drop function. Furthermore, you can create your own modes using the add button (+), add commands by pressing the miscellaneous button (•••), or delete custom modes using the bin button (🗑).



Sidebar

Clicking the Sidebar button (☰) will reveal all current key assignments for your Razer BlackWidow v4 Pro. Alternatively, you can skip to a specific key assignment by selecting it on the Customize tab.



Upon selecting a key assignment, you may then change it to one of the following functions:

 Default

This option enables you to return the selected key to its original setting. For analog keyboards, this option also allows you to set the actuation and release point for each key or apply the same settings for all analog keys.

 Controller

This option allows you to change the functionality of any key into a controller button. bumper or trigger.

 Joystick

This option enables you to change the functionality of any key into a joystick button or an analog stick direction.

 Keyboard Function

This option changes the key assignment into a keyboard function. You can also choose enable Turbo mode which allows you to emulate repeatedly pressing the keyboard function while the key is held down.

 Mouse Function

This option allows you to change any key into a mouse function. Listed below are the functions which you can choose from:

- 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.

You can also choose to enable Turbo mode in some of the mouse functions which allow you to emulate repeatedly pressing and releasing said function while the key is held down.

Macro

A Macro is a prerecorded sequence of keystrokes and button presses that is executed with precise timing. By setting the key function to Macro, you can conveniently execute a chain of commands. Do take note that this function will only be visible if you have installed the Macro module from the Modules tab. Click here to learn more about Macros

Inter-Device

Inter-device allows you to change the settings of other Razer Synapse 3-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.

Switch Profile

Switch Profile enables you to quickly change profiles and load a new set of key assignments. An on-screen notification will appear whenever you switch profiles.

Switch Lighting

Switch Lighting allows you to easily switch between all advanced lighting effects. Do take note that this function will only be visible if you have installed the Chroma Studio module from the Modules tab. Click here to learn more about the Chroma Studio

Razer Hypershift

Setting the key to Razer Hypershift will allow you to activate Hypershift mode as long as the key is held down.

Launch Program

Launch Program enables you to open an app or a website using the assigned key. When you select Launch Program, two choices will appear which requires you to search for a specific app you want to open, or write the address of the website you want to visit.

Multimedia

This option allows you to assign multimedia controls to your Razer device. Listed below are the multimedia controls you can choose from:

- 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 - Mutes both microphone and audio output.
- Play / Pause - Play, pause, or resume playback of the current media.
- Previous Track - Play the previous media track.
- Next Track - Play the next media track.


Windows Shortcuts

This option allows you to assign your preferred key into a Windows Operating System shortcut command. For more information, please visit: support.microsoft.com/kb/126449


Text Function

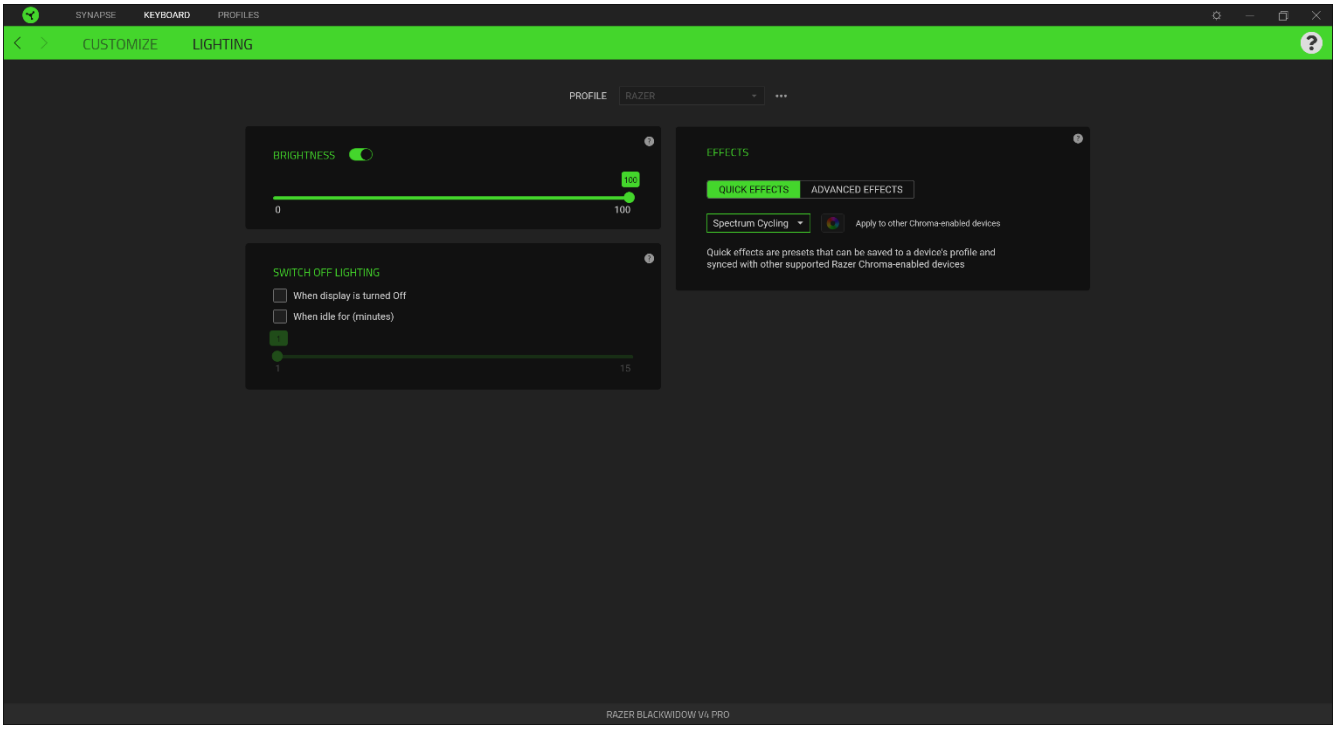
Text Function enables you to type a prewritten text with a touch of a key. Simply write your desired text on the given field and your text will be typed whenever the assigned key is pressed. This function has full Unicode support and you can also insert special symbols from character maps.


Disable

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

Lighting

The Lighting subtab enables you to modify your Razer device's light settings.



Brightness

You can turn off your Razer device's lighting by toggling the Brightness option or increase/decrease the luminance using the slider.

Switch Off Lighting

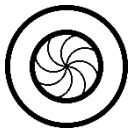
This is a power saving tool which allows you to disable your device's lighting in response to your system's display turning off and/or automatically power down when your Razer keyboard has been idle for a set amount of time.

Quick Effects

A number of quick effects can be selected and applied to your device's lighting, as listed here:

Only devices that support the selected lighting effect will synchronize. LED indicators are not customizable.

	Name	Description	How to set up
	Ambient awareness	The lighting on the keyboard will reflect the averaged color on the selected screen region	Select or customize a screen region

	Audio meter	The keyboard will light up according to the audio level with a default spectrum of colors	Select a Color Boost level
	Breathing	The keyboard fades in and out of the selected color(s)	Select up to 2 colors or randomize colors
	Fire	The keyboard lights up in warm colors to mimic the motion of flames	No further customization required
	Reactive	The LEDs will light up when a key is pressed. The light will fade off after a specified period of time	Select a color and a duration
	Ripple	On key press, light will ripple away from the pressed key	Select a color
	Spectrum cycling	The lighting will cycle between 16.8 million colors indefinitely	No further customization required
	Starlight	Each LED will have a chance of fading in and out at a random time and duration	Select up to 2 colors or randomize colors and select a duration
	Static	The LEDs will remain lit in the selected color	Select a color
	Wave	The lighting will scroll in the direction selected	Select either left-to-right or right-to-left wave direction
	Wheel	The keyboard lighting will rotate in the direction selected with a default spectrum of colors	Select either counter-clockwise or clockwise wheel direction

If you have other supported Razer Chroma-enabled devices, you can synchronize their quick effects with your Razer device by clicking the Chroma Sync button ().

Studio Effects

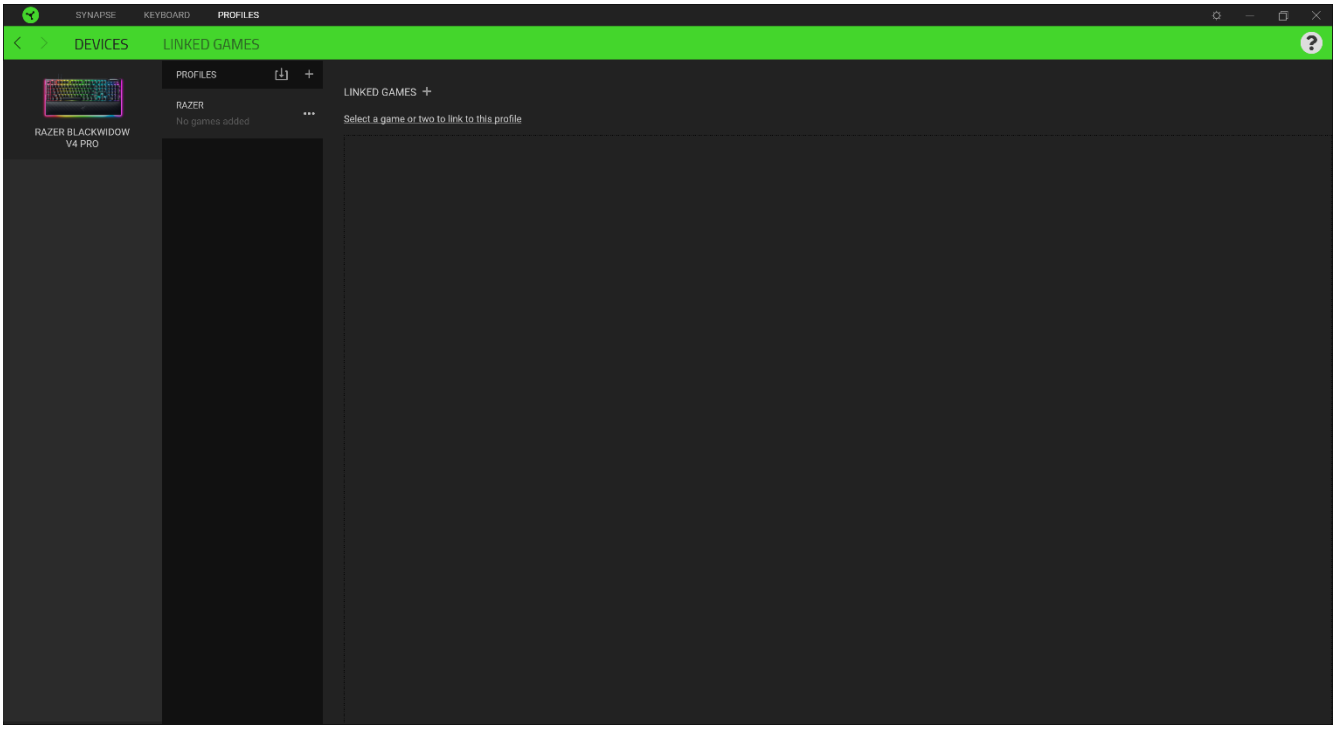
The Studio Effects option allows you to choose a Chroma Effect you want to use on your Razer Chroma-enabled peripheral. To start making your own Chroma Effect, simply press the Chroma Studio button (CHROMA STUDIO). Click here to learn more about the Chroma Studio

PROFILES TAB

The Profiles tab is a convenient way of managing all your profiles and linking them to your games and applications.

Devices

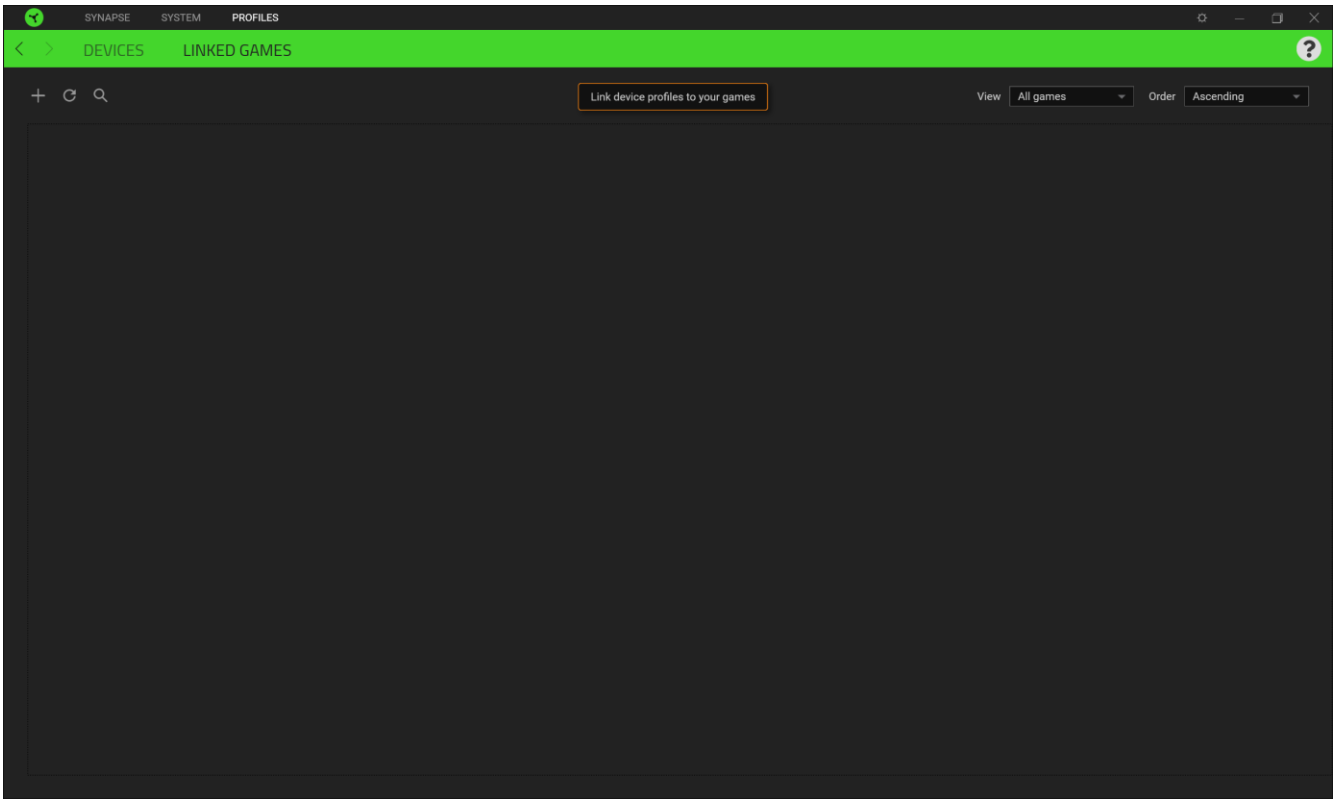
View which games are linked to each device's profiles or which Chroma Effect is linked to specific games using the Devices subtab.



You can import Profiles / Chroma Effects from your computer or from the cloud through the import button ( ), or create new profiles within the selected device or new Chroma Effects for specific games using the add button ( ). To rename, duplicate, export, or delete a profile, simply press the Miscellaneous button ( ). Each profile and/or Chroma Effect can be set to automatically activate when you run an application using the Linked Games option.

Linked Games

The Linked Games subtab gives you the flexibility to add games, view peripherals that are linked to games, or search for added games. You can also sort games based on alphabetical order, last played, or most played. Added games will still be listed here even if it is not linked to a Razer device.

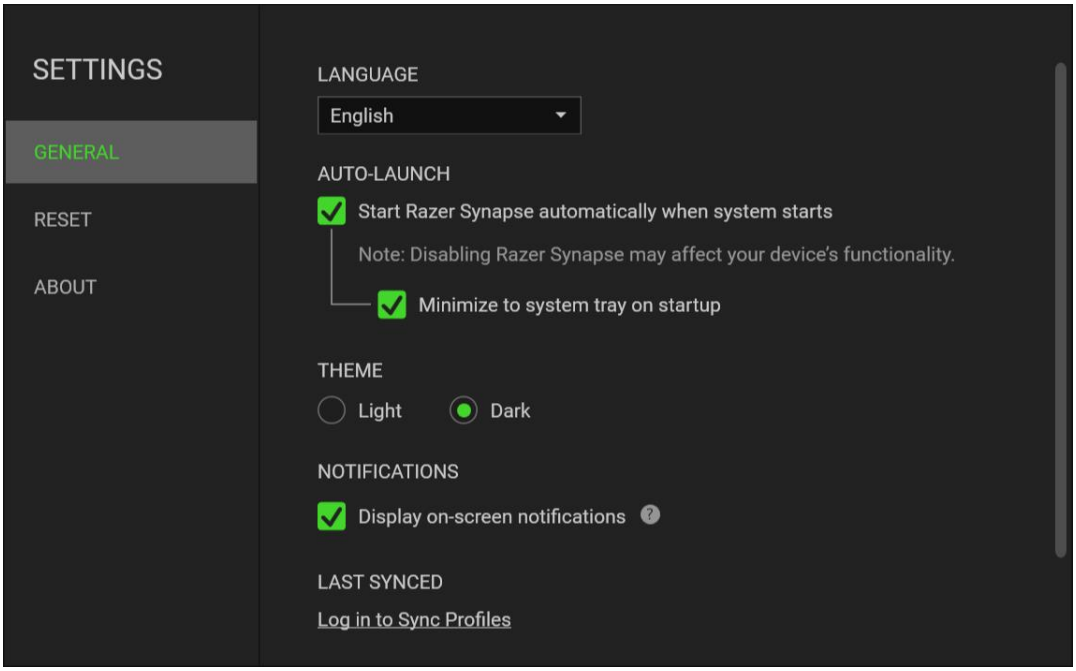


To link games to connected Razer devices or Chroma Effects, simply click on any game from the list, and then click **Select a device and its profile to launch automatically during gameplay** to select the Razer device or Chroma Effect it will link with.

Once linked, you may click on the Miscellaneous button (•••) of the corresponding Chroma Effect or device to select a specific Chroma Effect or profile.

SETTINGS WINDOW

The Settings window, accessible by clicking the ( ) button on Razer Synapse 3, enables you to configure the startup behavior and display language of Razer Synapse 3, view the master guides of each connected Razer device, or perform factory reset on any connected Razer device.



General tab

The default tab of the Settings window. The General tab enables you to change the software's display language, start-up behavior, and display theme; or view the master guide of all connected Razer devices. You may also manually sync your profiles to the cloud ( ) or view the master guide of all connected Razer devices.

Reset tab

The Reset tab allows you to perform a factory reset on all connected Razer devices with on-board memory and/or reset Razer Synapse 3 tutorials to acquaint yourself again with Razer Synapse 3's new features on its next launch.

By resetting a Razer device, all profiles stored on the selected device's on-board memory will be erased.

About tab

The About tab displays brief software information, copyright statement, and provides relevant links for its terms of use. You may also use this tab to check for software updates, or as a quick access to Razer's social communities.

8. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer BlackWidow v4 Pro, 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 support.razer.com for support.

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

Keep the device away from liquid, humidity or moisture. 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 v4 Pro.

1. 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.
2. Adjust the height of your chair and table so that the keyboard and mouse are at or below elbow height.
3. Keep your feet well supported, posture straight and your shoulders relaxed.
4. 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.
5. Do not rest your wrists on hard surfaces for long periods.
6. Use the provided wrist rest to support your wrist while using your keyboard.
7. Customize the keys on your keyboard to suit your style of gaming in order to minimize repetitive or awkward motions while gaming.
8. 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 v4 Pro 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 to prevent dirt buildup. Do not use soap or harsh cleaning agents.

9. LEGALESE

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