

RAZER BLADE 16

MASTER GUIDE

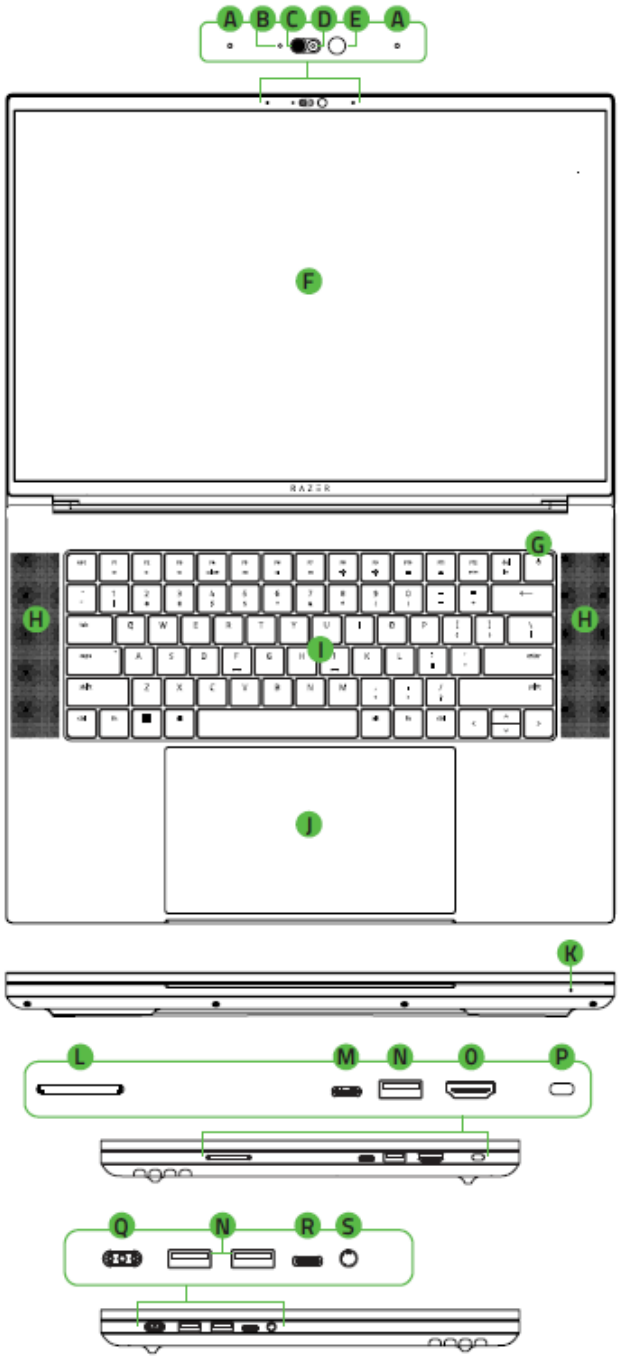
CONTENTS

1. WHAT'S INSIDE 2
2. LET'S GET YOU COVERED 3
3. SETTING UP YOUR LAPTOP 4
4. INSTALLING DRIVERS 5
5. USING YOUR RAZER BLADE 16 6
6. CONFIGURING YOUR RAZER BLADE 16 7
7. SAFETY AND MAINTENANCE 22
8. LEGALESE 25

1. WHAT'S INSIDE

- Razer Blade 16

  (Model number: RZ09-0483)



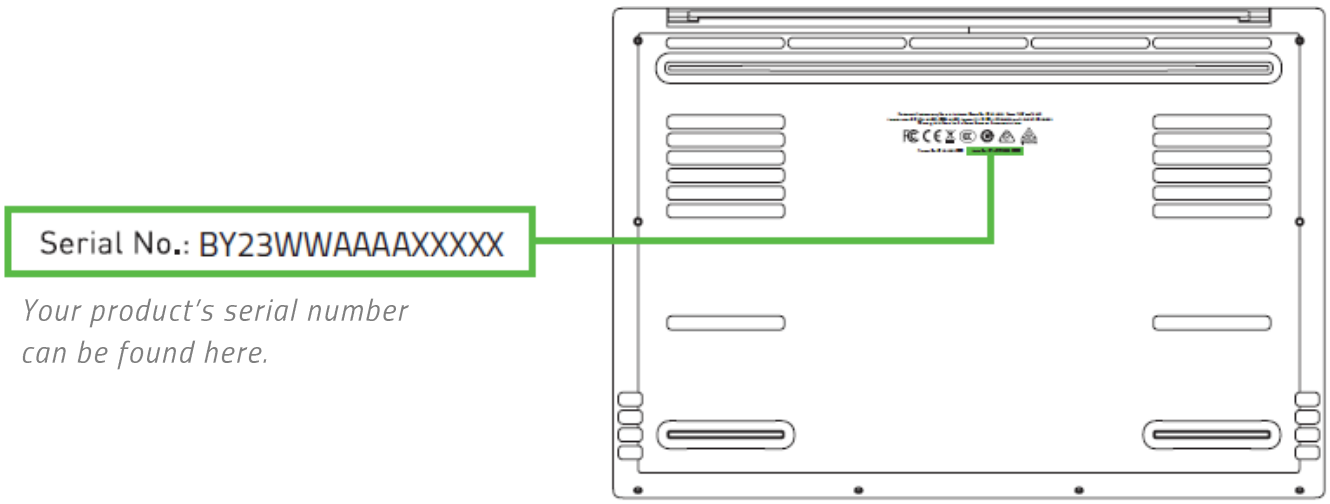
- Power adapter + regional power cord
- Micro-fiber cleaning cloth
- Important Product Information Guide

A. Array microphone
B. Webcam indicator light
C. Built-in camera cover with indicator
D. Full HD webcam
E. Infrared LED
F. 16" Anti-glare display
G. Power button
H. Speakers powered by THX® Spatial Audio
I. Per-Key RGB powered by Razer Chroma™ N-Key rollover backlit keyboard
J. Precision glass touchpad
K. Power indicator
L. UHS-II SD card reader
M. Thunderbolt™ 4 port (USB Type C)*
N. USB 3.2 Gen 2 Type A ports
O. HDMI 2.1 port
P. Lock slot
Q. Power port
R. USB 3.2 Gen 2 Type C port*
S. 3.5 mm headphone / microphone combo port

**Supports 20V USB PD 3.0 charging up to 100W*

2. LET'S GET YOU COVERED

You've got a great laptop in your hands, complete with a 1-year limited manufacturer's warranty* and a 1-year limited battery warranty coverage. Now maximize its potential and score exclusive Razer benefits by registering at razerid.razer.com



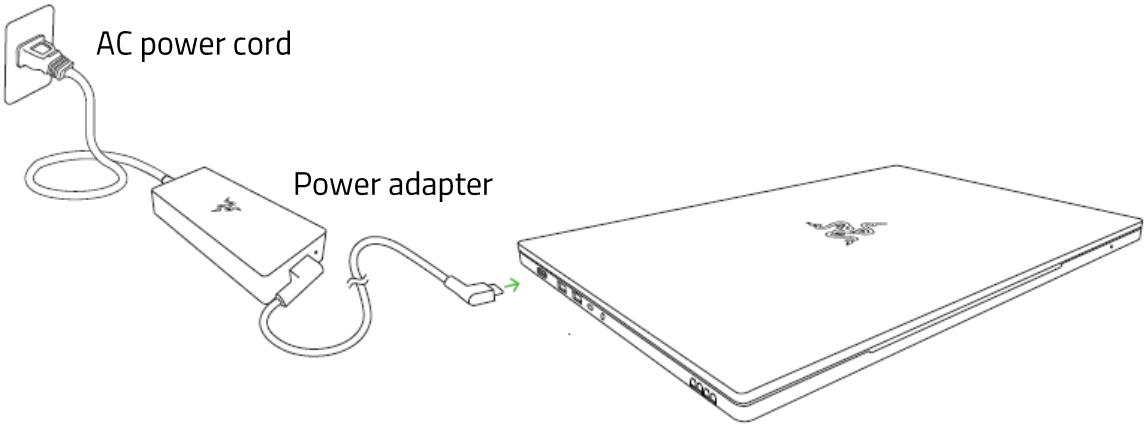
Your product's serial number can be found here.

**Warranty may vary by region and is subject to applicable local law.*

Got a question? Ask the Razer Support Team at support.razer.com

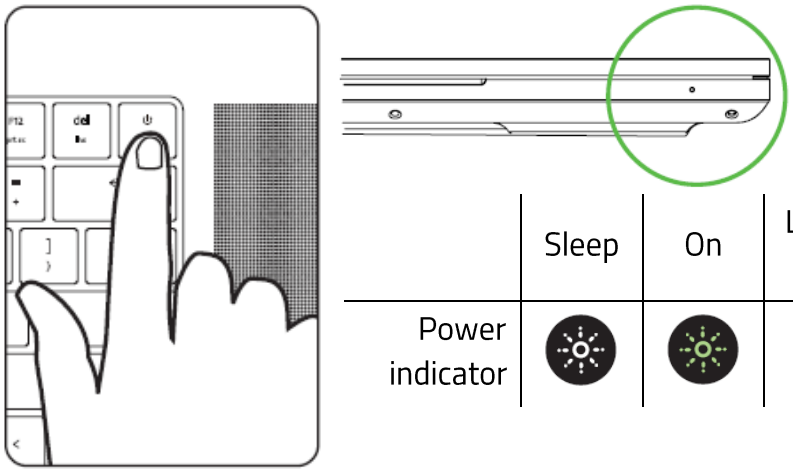
3. SETTING UP YOUR LAPTOP

1. With the appropriate power cord connected to the power adapter, insert its AC plug into a power outlet, and then connect it to the power port of your Razer Blade 16.



Use the appropriate power cord for your region. For first time use, please fully charge your laptop first or make sure to connect it to a power outlet before turning it on. It takes at least 2 hours to fully charge your Razer Blade 16.

2. Power on your Razer Blade 16. The power indicator will show the status of your laptop.



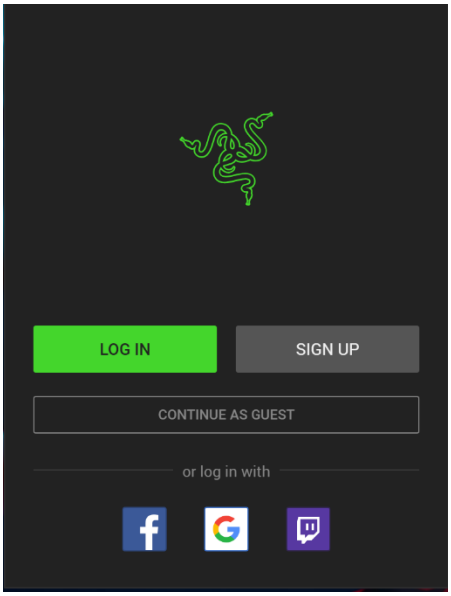
	Sleep	On	Low battery (10% left)	Low battery (3% left)
Power indicator				

3. Follow the onscreen instructions to complete the Windows 11 setup.

When prompted, it is recommended that you connect your laptop to a wireless network with an active internet connection.

4. INSTALLING DRIVERS

Aside from allowing you to download drivers or firmware updates for your Razer Blade 16 and other supported Razer peripherals, Razer Synapse also enables you to customize all your Razer devices' advanced settings and lighting effects. When logged in, these custom settings are automatically stored to the cloud so that they can be accessed from any computer.



1. Make sure your laptop has an active internet connection.
2. By default, Razer Synapse will start automatically once you enter Windows 11. Simply sign up for a Razer ID or log in with an existing account.

   You may also continue as a guest; however, you won't be able to store any of your settings to the cloud.

3. Wait until Razer Synapse automatically downloads and installs the necessary drivers.

Enhance your play by boosting your system performance and discover the best gaming deals—all on one powerful platform. To install Razer Cortex, right-click Razer Central from your taskbar, launch the Razer Central app, go to the Apps tab, and then press the INSTALL button beside RAZER CORTEX.



Find out more at razer.com/cortex.

5. USING YOUR RAZER BLADE 16

WEBCAM FEATURE



ON



OFF

KEYBOARD FEATURES



Pressing the “fn” key in combination with the function keys will activate their secondary functions.

Function keys	Secondary function description
	The audio volume controls allow you to mute ( ), decrease ( ) and increase ( ) the audio output.
	Toggles the monitor output.
	The media keys allow you to play/pause ( ) the current track, return to the previous track ( ) or skip to the next track ( ).
	The screen brightness keys allow you to decrease ( ) or increase ( ) the brightness of the Razer Blade 16’s screen.
	The LED control keys allow you to decrease ( ) or increase ( ) the brightness of your keyboard’s LEDs.

6. CONFIGURING YOUR RAZER BLADE 16

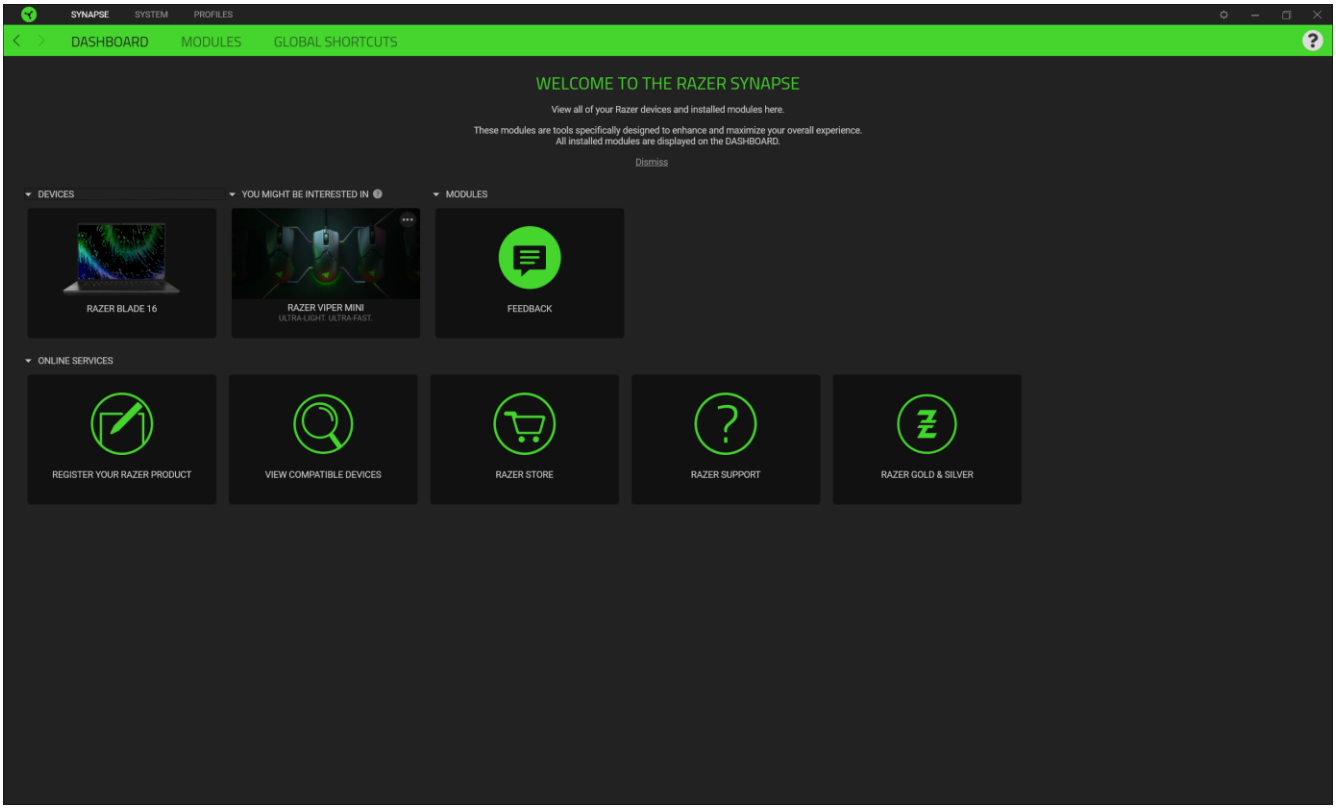
Disclaimer: Internet connection is required for installation, updates and cloud-based features. Registering for a Razer ID account is recommended, but optional. All listed features are subject to change based on the current software version, connected device(s), and supported apps and software.

SYNAPSE TAB

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

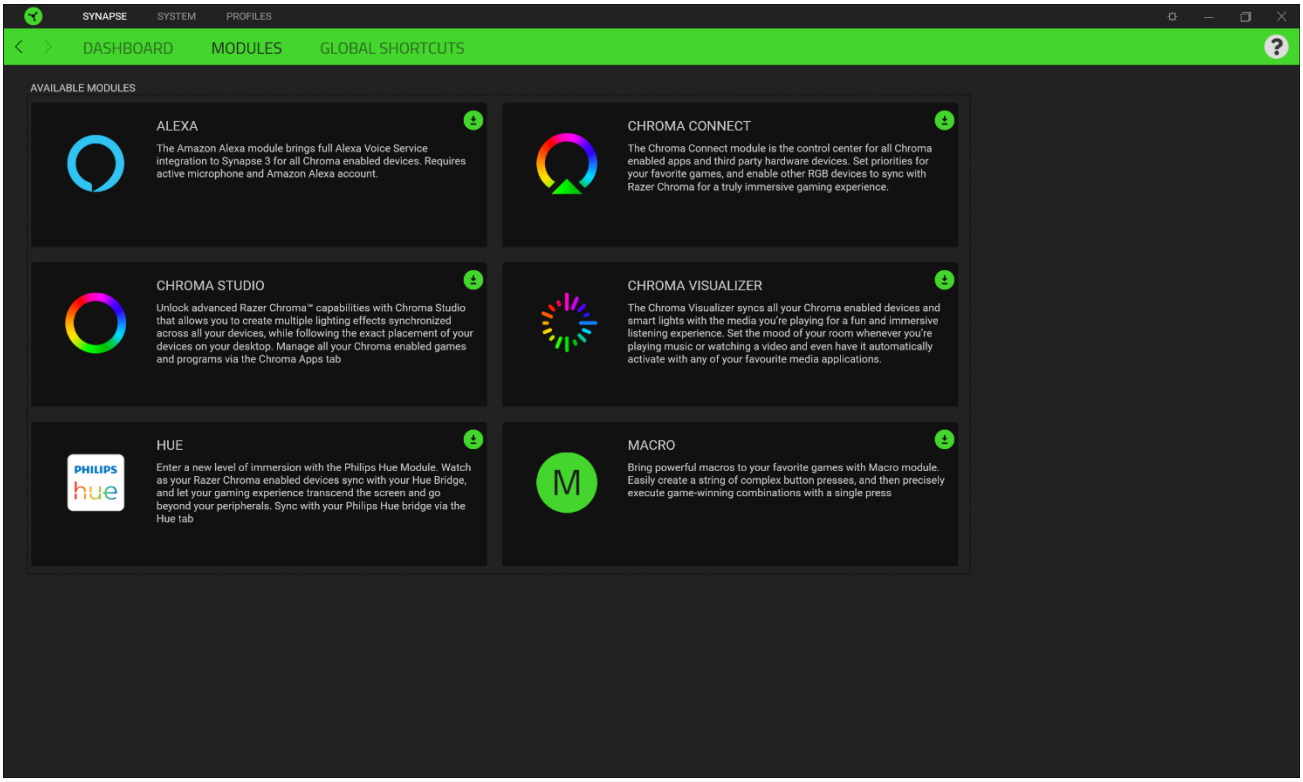
Dashboard

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



Modules

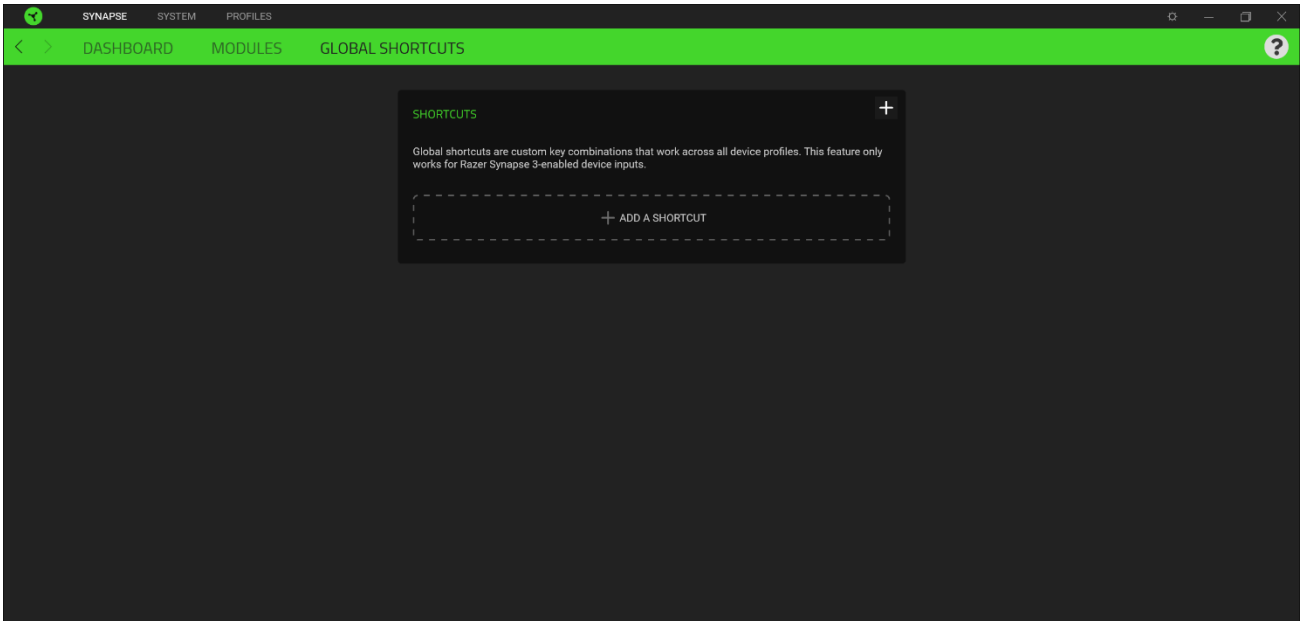
The Modules subtab displays all installed and available modules for installation.



Global Shortcuts

Bind operations or Razer Synapse 3 functions to custom key-combinations from any Razer Synapse-enabled device inputs which apply across all device profiles. Learn more about Profiles

Only Razer Synapse-enabled device inputs will be recognized.

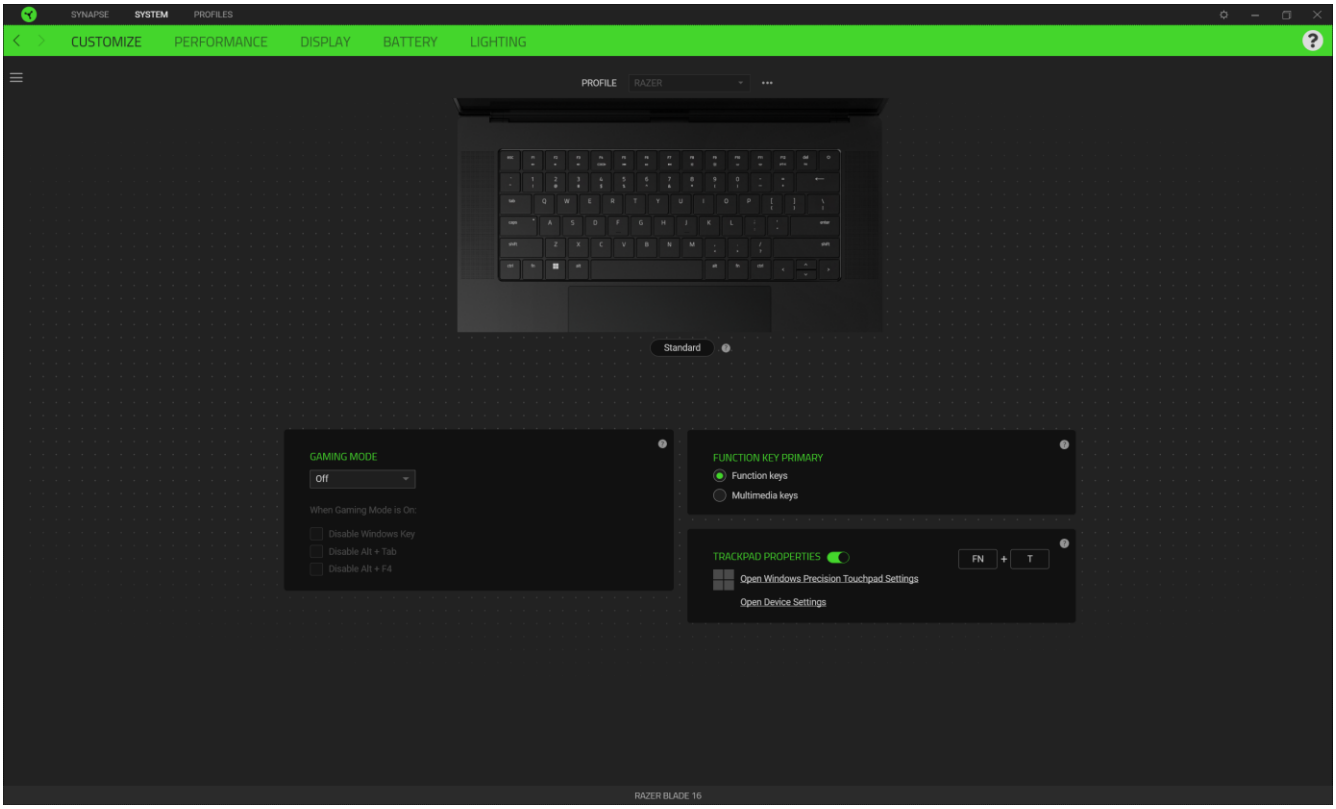


SYSTEM TAB

The System Tab is your default tab when you first install Razer Synapse. This tab allows you to customize your device's profiles, key assignments, gaming mode settings, trackpad options, lighting, and power saving features.

Customize

The Customize subtab is for modifying your device's key assignments, primary function key option, and gaming mode settings.



Profile

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

Standard / 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 device, 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.

Function Key Primary

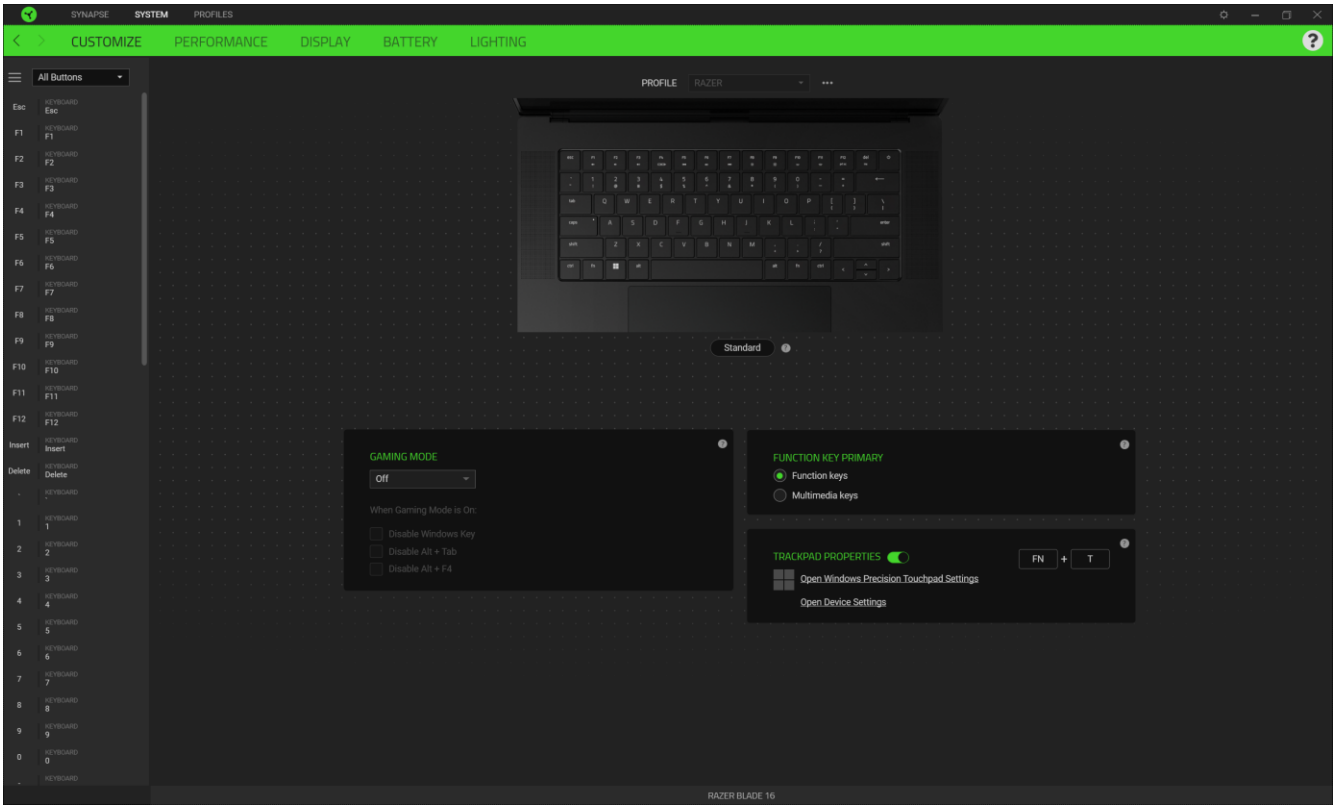
Function Key Primary allows you to switch between the primary keys and secondary keys. Primary keys are activated with a single key press while secondary keys require an additional step pressing the fn key.

Trackpad Properties

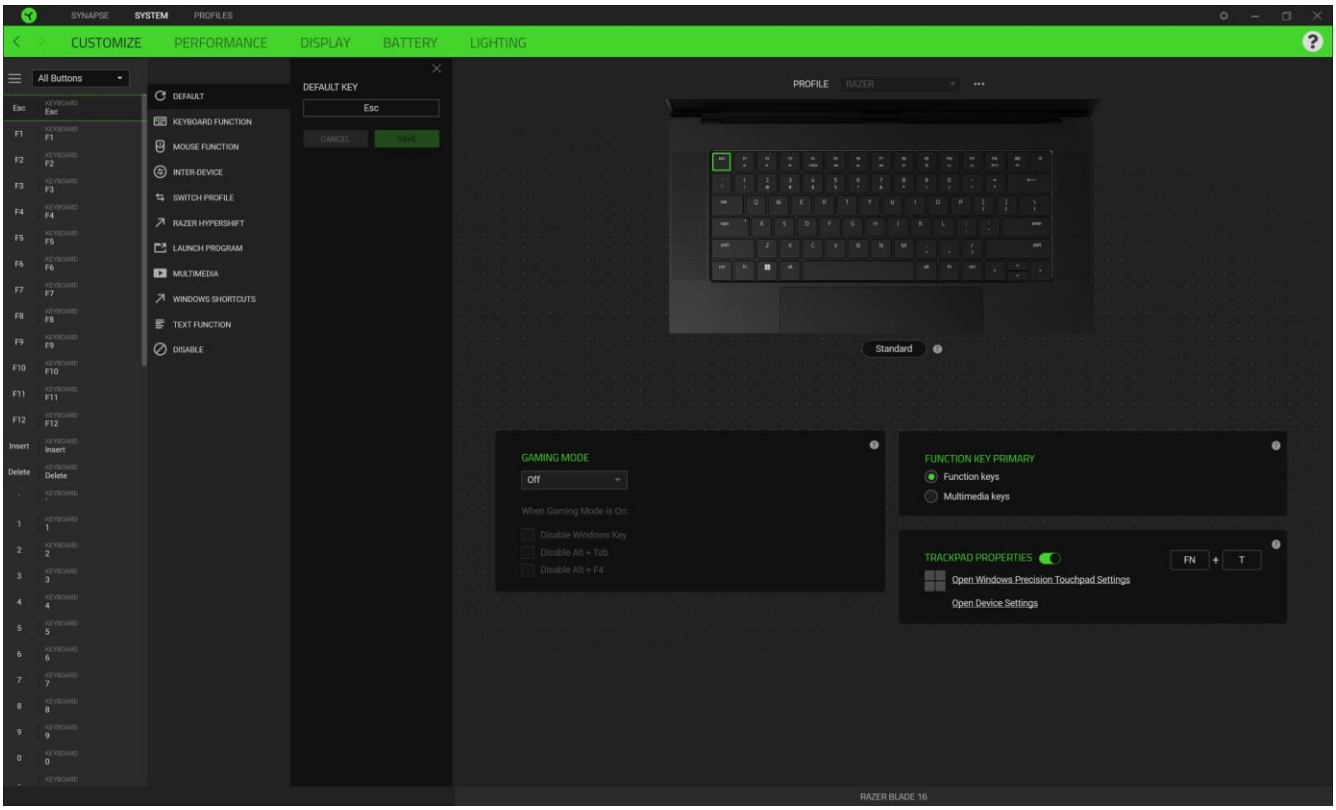
Use the links under this option to set the scroll behavior, change the touchpad delay, edit gestures, access cursor pointing options, and other advanced features.

Sidebar

Clicking the Sidebar button (☰) will reveal all current key assignments for your Razer Blade 16.



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.

Keyboard Function

This option changes the key assignment into a keyboard function. You can also choose to enable Turbo mode which allows you to emulate a repeated 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. This function will only be visible when the Macro module is installed.

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.

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. This function will only be visible when the Chroma Studio module is installed.

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.

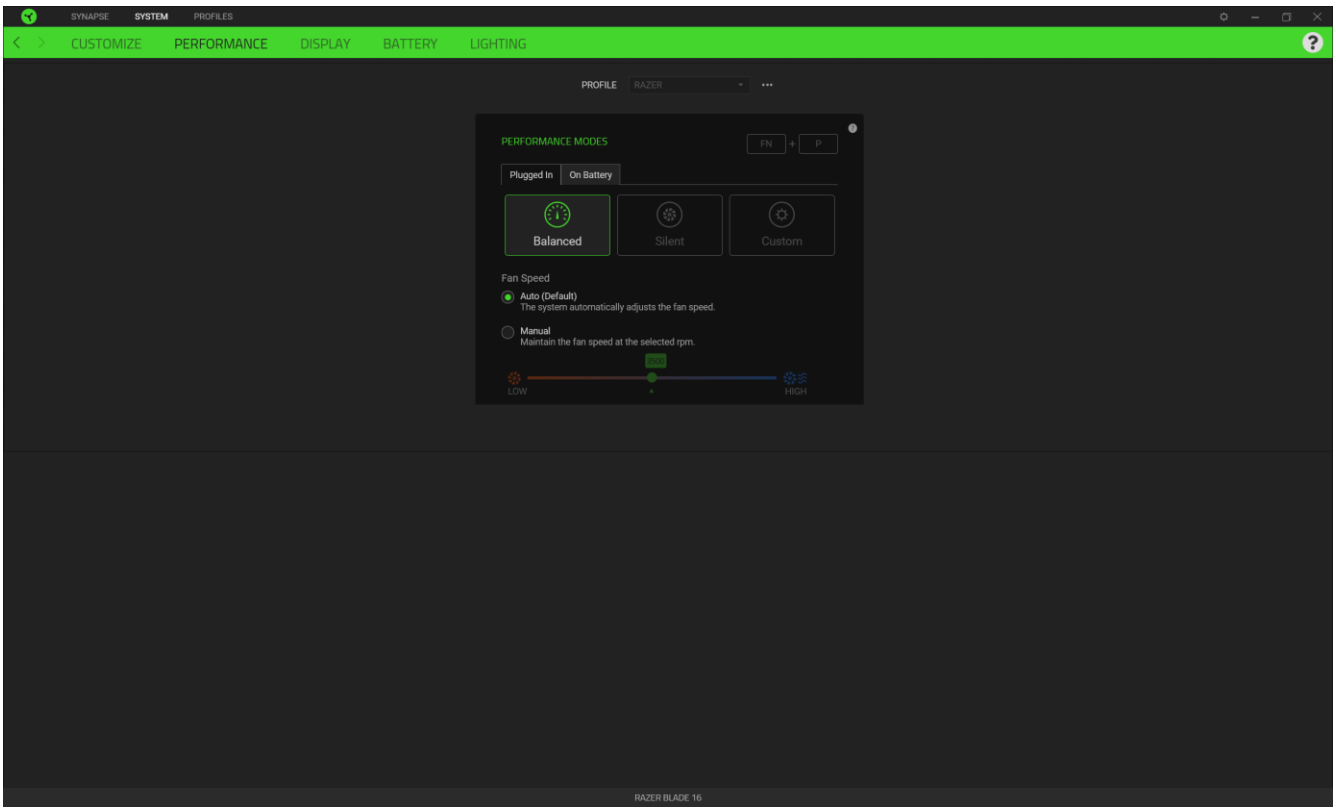
Disable

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.

Performance

The Performance subtab allows you to customize your system's capabilities. The settings below will impact the overall state of your laptop such as clock speed, power consumption, and thermals.

Only devices that support the selected lighting effect will synchronize.



Performance Modes

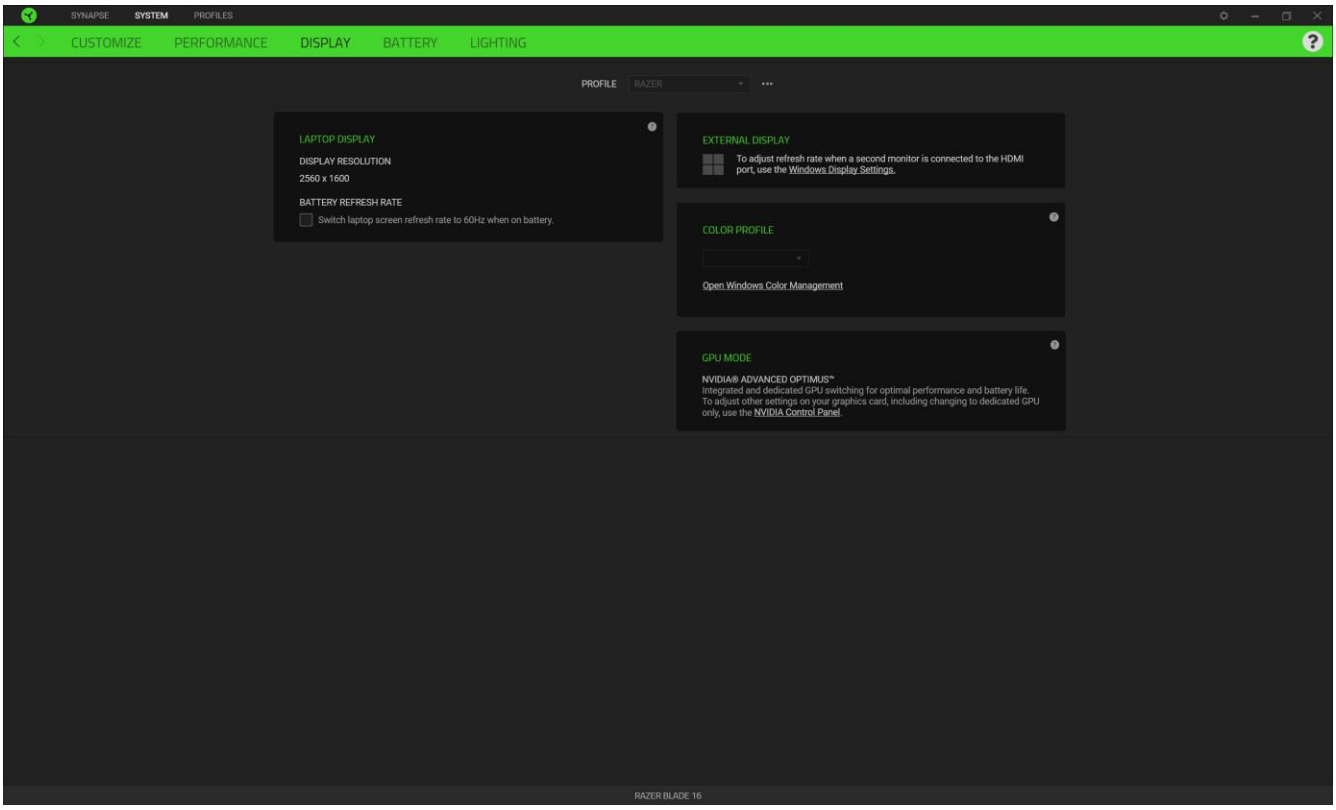
Select from a set of modes that adjusts the system's performance, fan speed, and power usage to optimize it for different tasks.

Fan Speed

Select from Auto wherein the system will set the fan speed to the optimal level for the current temperature or Manual where the system will keep the fan speed at the selected rpm.

Display

The Lighting subtab enables you to modify your Razer device's display settings such as resolution, color, refresh rate, and GPU mode.



Laptop Display

This subtab shows the current display resolution and allows you to enable refresh rate switching when running on battery.

External Display

This subtab links you to the Windows Display Settings where you can access other display options.

Color Profile

Change the accuracy of color display as needed using the list of available color profiles for your display, or use Windows Color Management to add, remove, or manage color profiles and other advanced display settings.

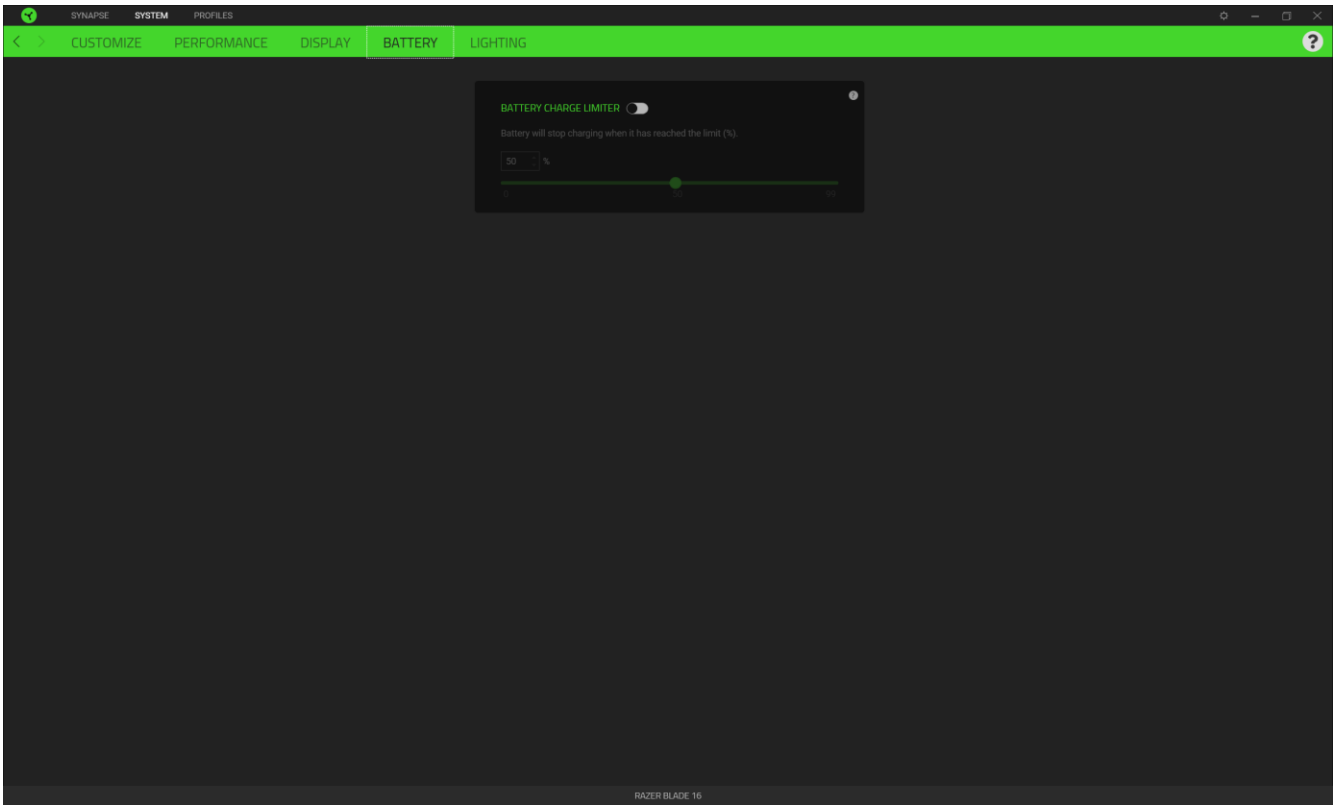
GPU Mode

Switch between NVIDIA® Optimus™ and Dedicated GPU only mode to maximize performance and battery life whenever needed.

Certain refresh rates are only available for Dedicated GPU only mode. You must restart the system to apply any GPU mode change.

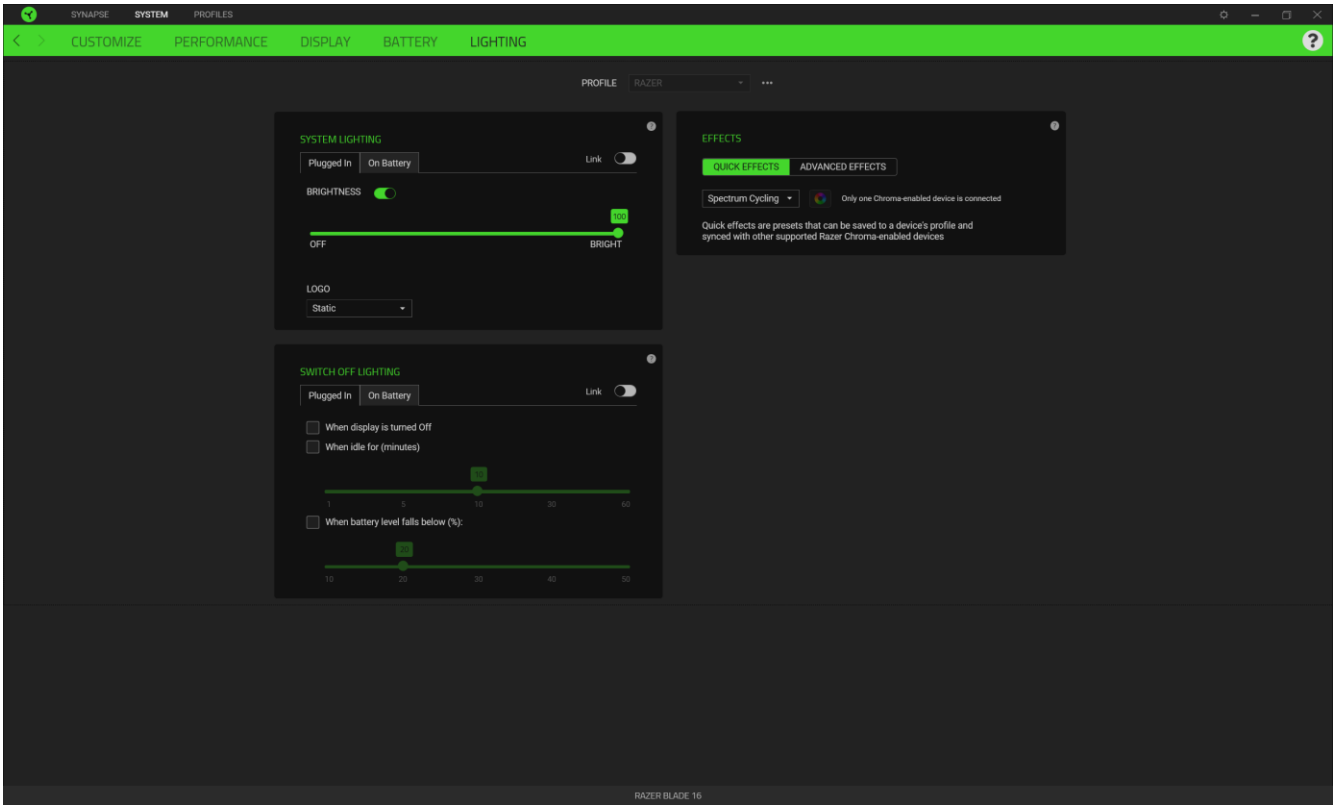
Battery

The Battery subtab enables you to limit the amount of charge your Razer device receives when charging its internal battery.



Lighting

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



System Lighting

Customize the brightness of your Razer device when plugged in and/or on battery. You can turn off your Razer device's lighting by toggling the Brightness option or increase/decrease the luminance using the slider. You may also toggle the Link option if you want to use a single brightness setting for your Razer Blade 16 or change the logo lighting using the dropdown option.

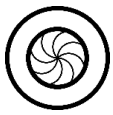
Switch Off Lighting

This 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 Blade 16 has been idle for a set amount of time. You may also set the lighting to turn off when the device's battery level is below a certain percentage.

Effects

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

Name	Description	How to set up

	Ambient awareness	The lighting will reflect the averaged color on the selected screen region	Select or customize a screen region
	Audio meter	The LEDs will light up according to the audio level with a default spectrum of colors	Select a Color Boost level
	Breathing	The lighting will fade in and out of the selected color(s)	Select up to 2 colors or randomize colors
	Fire	The LEDs will light 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 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 ( ).

Only devices that support the selected lighting effect will synchronize.

Advanced Effects

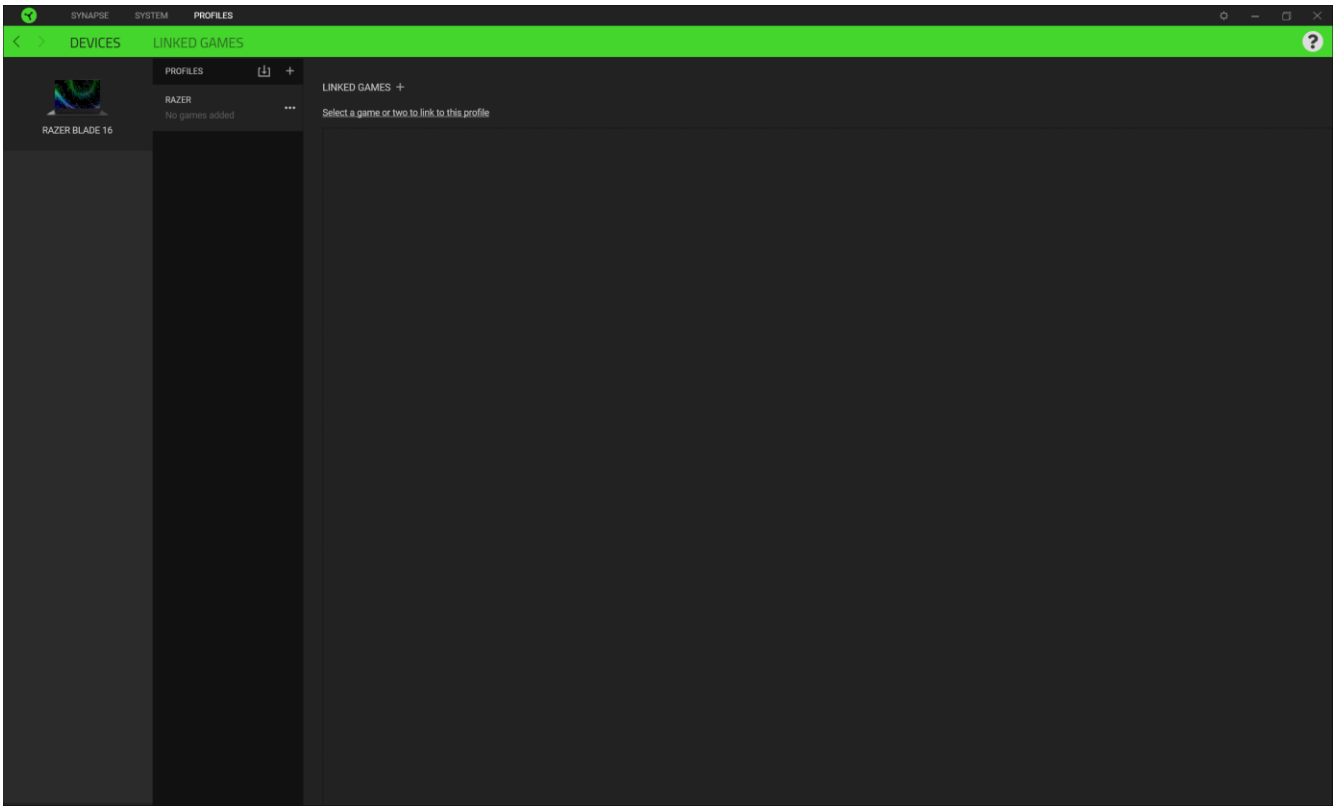
The Advanced Effects option allows you to choose a Chroma Effect you want to use on your Razer Chroma-enabled peripheral. To start making your own Chroma Effect, simply press the Chroma Studio button (CHROMA STUDIO).

PROFILES TAB

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

Devices

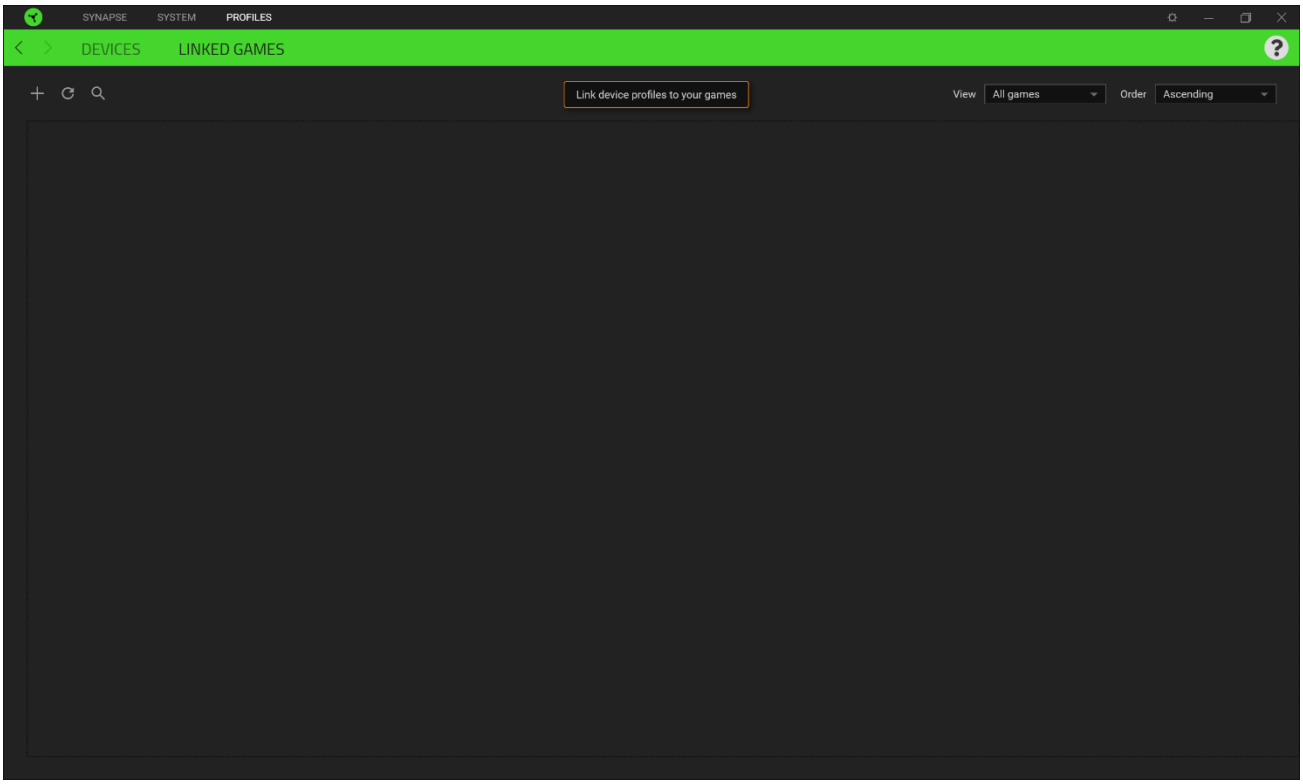
View which games are linked to each device's profiles or which Chroma Effect is linked to specific games using the Devices subtab.



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

Linked Games

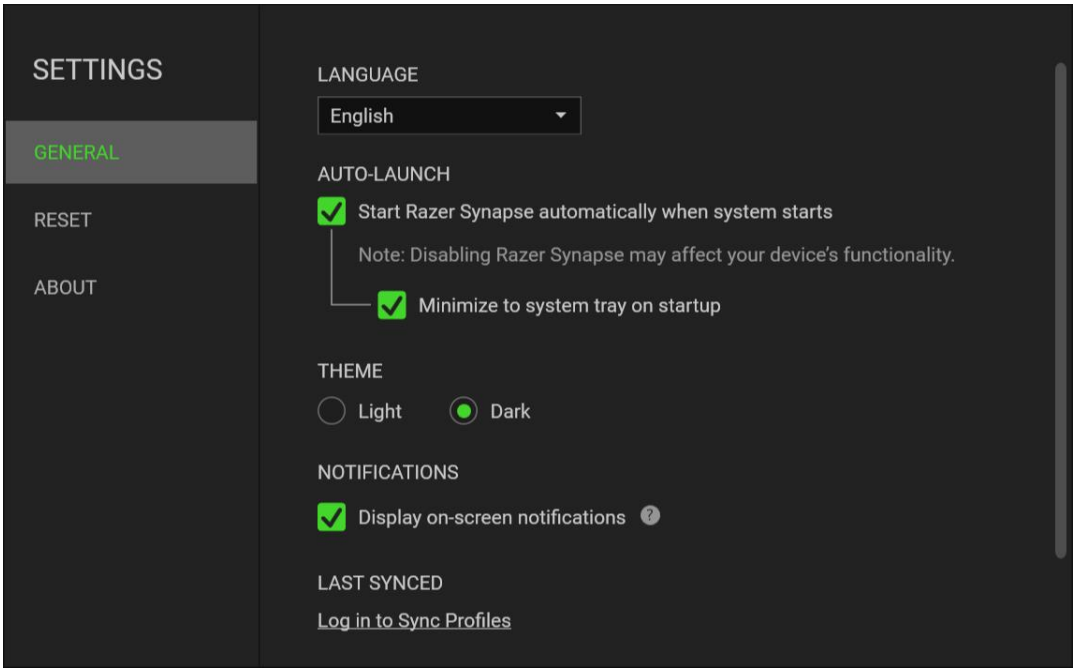
The Linked Games subtab gives you the flexibility to add games, view devices that are linked to games, or search for added games. You can also sort games based on alphabetical order, last played, or most played. Added games will still be listed here even if it is not linked to a Razer device.



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, enables you to configure the startup behavior and display language of Razer Synapse, 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, display theme, and on-screen notifications display. You may also manually sync your profiles to the cloud (⟳) or view the master guide of all connected Razer devices and installed modules.

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 tutorials to acquaint yourself again with Razer Synapse'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.

7. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer Blade 16, we suggest that you adopt the following guidelines:

1. Should you have trouble operating the device properly and troubleshooting does not work, unplug the device, and go to support.razer.com where you can find FAQs, guides, and contact information to our Razer Advocacy team.
2. Do not take apart the device (doing so may void your warranty) and do not attempt to operate it during power fluctuations.
3. Magnets and electromagnetic fields may interfere with your electronic devices under certain conditions. To prevent any possible interference, keep your laptop away from other electronic devices at a safe distance of more than 6"/15cm or more than 12"/30cm apart for wireless chargers.
4. 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 Blade 16.

1. Position your laptop directly in front of you. If you have an external mouse, position it next to the laptop. Place your elbows next to your side, not too far away and your mouse within easy reach.
2. Adjust the height of your chair and table so that the laptop is 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. When using an external mouse, use a wrist rest to support your wrist while gaming.

6. 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.
7. If you should experience any physical discomfort while using your laptop, such as pain, numbness, or tingling in your hands, wrists, elbows, shoulders, neck or back, please consult a qualified medical doctor immediately.

BATTERY WARNING

The Razer Blade 16 contains an internal, lithium-ion rechargeable battery. In general, the life expectancy of such battery is dependent upon usage. If you suspect that the lithium-ion rechargeable battery inside the Razer Blade 16 may be drained (has a low charge), try charging it. If the battery does not recharge after several attempts, it may be non-operational.

Do not open, mutilate, or expose to conducting materials (metal), moisture, liquid, fire, or heat. Doing so may cause the battery to leak or explode, resulting in personal injury. Do not use or charge the battery if leaking, discolored, or deformed. Do not leave the rechargeable battery discharged or unused for extended periods. When not using your Razer Blade 16 battery for more than 30 days, be sure to store the battery in a fully charged state. Do not tamper with the battery. Dispose of the used battery according to local regulations.

FCC DECLARATION OF CONFORMANCE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio TV technician for help.

For more information, refer to the online help system on razer.com.

FCC CAUTION STATEMENT

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

USAGE RESTRICTIONS

This Razer device was developed and designed to comply with the various wireless and telecom agency requirements throughout the world. This ensures that the device do not cause any harm to Public Switching Telecommunication Networks (PSTN) and do not violate any power and frequency spectrum allocations on a country by country basis. This device was also designed to be compliant with regulatory agency limits for Electromagnetic Compatibility (EMC).

IMPORTANT NOTICE FOR USE IN HEALTHCARE ENVIRONMENTS

This Razer device is not a medical device and is not listed under UL or IEC 60601 (or equivalent). This device should be kept at a certain distance to avoid harmful effects to patients or medical equipment.

AVIATION USAGE RESTRICTIONS

Certain restrictions apply to this device while on-board an aircraft. Razer encourages you to understand these restrictions to ensure the flight's safety and security.

8. LEGALESE

COPYRIGHT AND INTELLECTUAL PROPERTY INFORMATION

©2023 Razer Inc. All rights reserved. Razer, the triple-headed snake logo, Razer logo, "For Gamers. By Gamers.", and "Razer Chroma" are trademarks or registered trademarks of Razer Inc. and/or affiliated companies in the United States or other countries. Actual product may differ from pictures. All other trademarks are the property of their respective owners. Warranty not valid outside of product's intended region.

Windows and the Windows logo are trademarks of the Microsoft group of companies.

THX® and the THX® Logo are the property of THX® Ltd., registered in the U.S. and other countries.

The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

DisplayPort is a trademark of VESA.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

USB Type-C™ and USB-C™ are trademarks of USB Implementers Forum.

NVIDIA, the NVIDIA Logo and Optimus are registered trademarks and/or trademarks of NVIDIA Corporation in the United States and/or other countries.

Thunderbolt and the Thunderbolt logo are trademarks of Intel Corporation in the U.S. and/or other countries.

Razer Inc. ("Razer") may have copyright, trademarks, trade secrets, patents, patent applications, or other intellectual property rights (whether registered or unregistered) concerning the product in this Master Guide. Furnishing of this Master Guide does not give you a license to any such copyright, trademark, patent or other intellectual property right. The Razer Blade 16 (the "Product") may differ from pictures whether on packaging or otherwise. Razer assumes no responsibility for such differences or for any errors that may appear. Information contained herein is subject to change without notice.

LIMITED PRODUCT WARRANTY

For the latest and current terms of the Limited Product Warranty, please visit razer.com/warranty.

LIMITATION OF LIABILITY

Razer shall in no event be liable for any lost profits, loss of information or data, special, incidental, indirect, punitive or consequential or incidental damages, arising in any way out of distribution of, sale of, resale of, use of, or inability to use the Product. In no event shall Razer's liability exceed the retail purchase price of the Product.

GENERAL

These terms shall be governed by and construed under the laws of the jurisdiction in which the Product was purchased. If any term herein is held to be invalid or unenforceable, then such term (in so far as it is invalid or unenforceable) shall be given no effect and deemed to be excluded without invalidating any of the remaining terms. Razer reserves the right to amend any term at any time without notice.