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**RAZER Chroma
Addressable RGB
Controller**

RAZER Chroma Addressable RGB Controller User Guide

Contents

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RAZER Chroma Addressable RGB Controller

Specifications

- Razer Chroma Addressable RGB Controller Module
- 6 Addressable RGB (ARGB) headers
- Internal USB header to Micro-USB cable for Razer Chroma support
- Molex to DC power adapter for internal case lighting
- Double-sided adhesive tape for mounting
- Razer Chroma compatible
- Razer Synapse enabled

FAQ

Q: What ARGB components are compatible with the Razer Chroma Addressable RGB Controller?

A: The controller is compatible with Addressable RGB (ARGB) strips/devices using WS2812B LEDs or equivalent.

Q: How do I register my Razer Chroma Addressable RGB Controller for exclusive benefits?

A: You can register your device at **razerid.razer.com** to maximize its potential and access exclusive Razer benefits.

**Q: Where can I find more information about product requirements?**

A: For more information on product requirements, you can visit **support.razer.com**.

Realize your ultimate RGB vision with the Razer Chroma Addressable RGB Controller, as you sync your ARGB components with your Razer Chroma peripherals and devices via Razer Synapse 3—software designed for the world's largest lighting ecosystem for gaming devices.
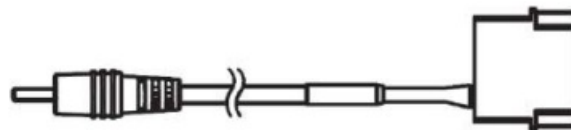
WHAT'S INSIDE / WHAT'S NEEDED

WHAT'S INSIDE

Razer Chroma Addressable RGB Controller
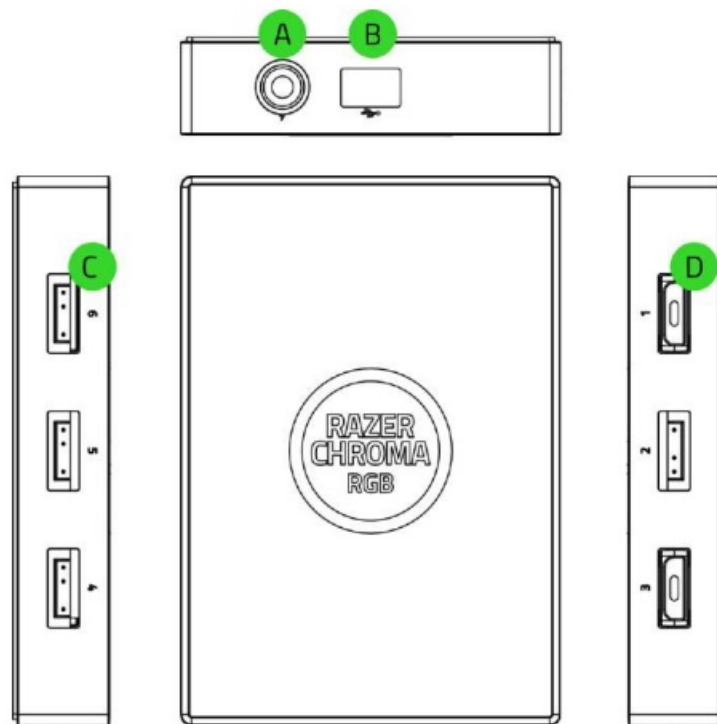
- A. Power port
- B. Micro-USB port
- C. 3-pin 5V ports (4-6)
- D. 3-pin 5V ports (1-3)

Molex to DC Cable

Micro-USB to USB 2.0 9-pin header cable

2 x Double-sided adhesive tapes

Important Product Information Guide

WHAT'S NEEDED
Product requirements

- Addressable RGB (ARGB) strips / devices* using WS2812B LEDs (or equivalent)
- Power Supply Unit (PSU) with a free Molex socket
- Motherboard with a free USB 2.0 9-pin header

Razer Synapse requirements

- Windows® 10 64-bit (or higher)
- Internet connection for software installation

*For more information, visit **support.razer.com**

LET'S GET YOU COVERED

You've got a great device in your hands, complete with 1-year limited 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.
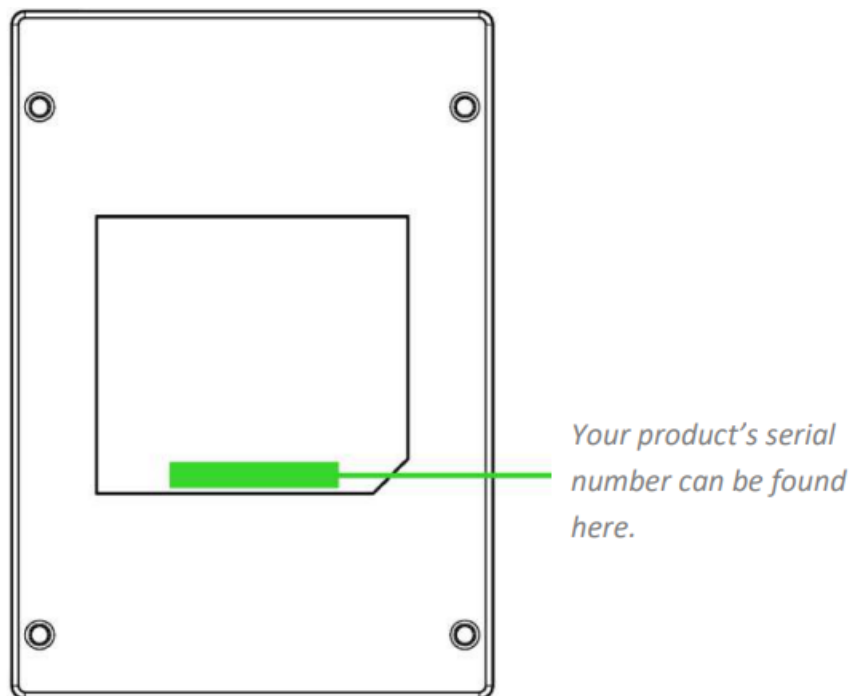
Got a question? Ask the Razer Support Team at **support.razer.com**

TECHNICAL SPECIFICATIONS

- Razer Chroma Addressable RGB Controller Module
- 6 Addressable RGB (ARGB) headers
- Internal USB header to Micro-USB cable for Razer Chroma support
- Molex to DC power adapter for internal case lighting
- Double sided adhesive tape for mounting
- Razer Chroma compatible
- Razer Synapse enabled

SETTING UP THE ARGB CONTROLLER

Before plugging an ARGB connector to any of the 3-pin 5V ports of the ARGB controller, make sure that its pins are properly aligned to the chosen port.

1. Plug your ARGB LED strips* or devices* to any of the 3-pin 5V ports of the ARGB controller.
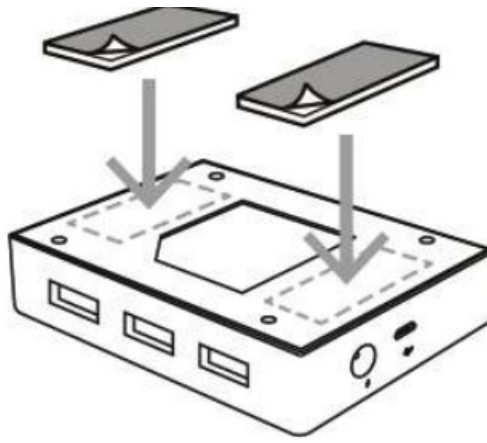

*Not included.
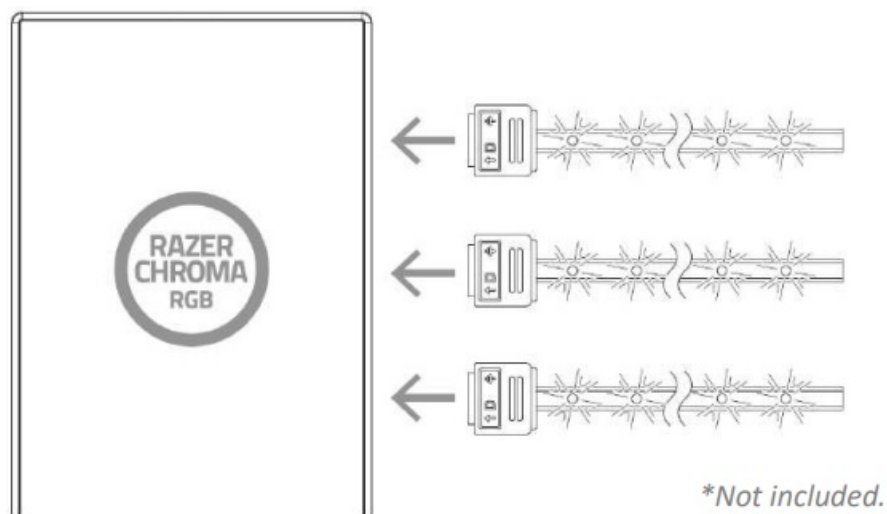
2. Connect the ARGB controller to the Molex socket of your PC's power supply unit using the Molex to DC cable.

   Warning: Please turn off your PC before proceeding to avoid electric shocks. For safety purposes, please wear an anti-static wrist strap (not included) to avoid damaging the internal components of your PC.


Molex to DC cable
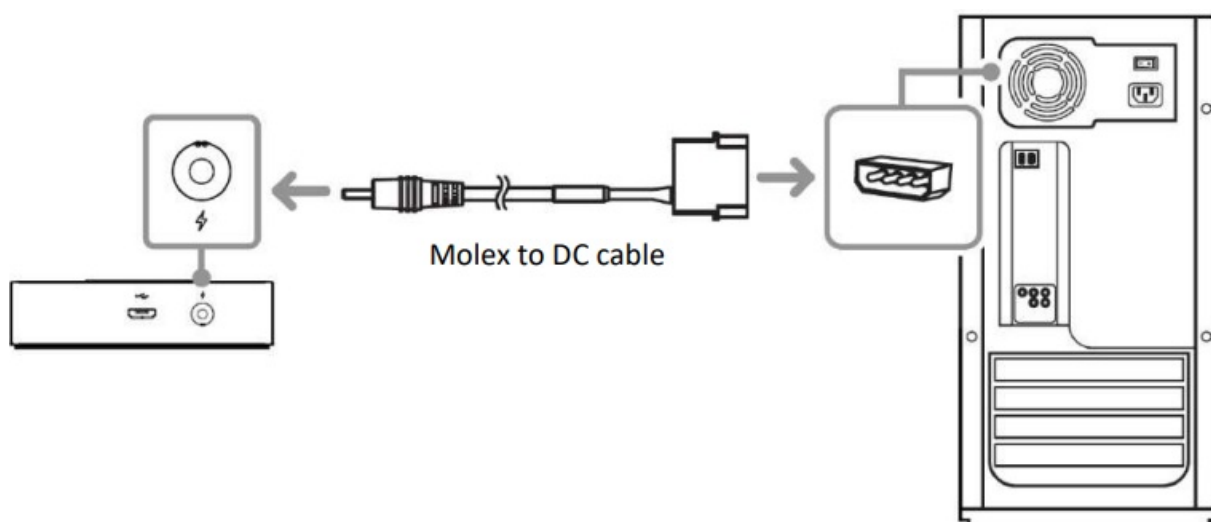
3. Connect the ARGB controller to the internal USB header on the motherboard using the included Micro-USB to USB pin header cable.

Micro-USB to USB pin header cable
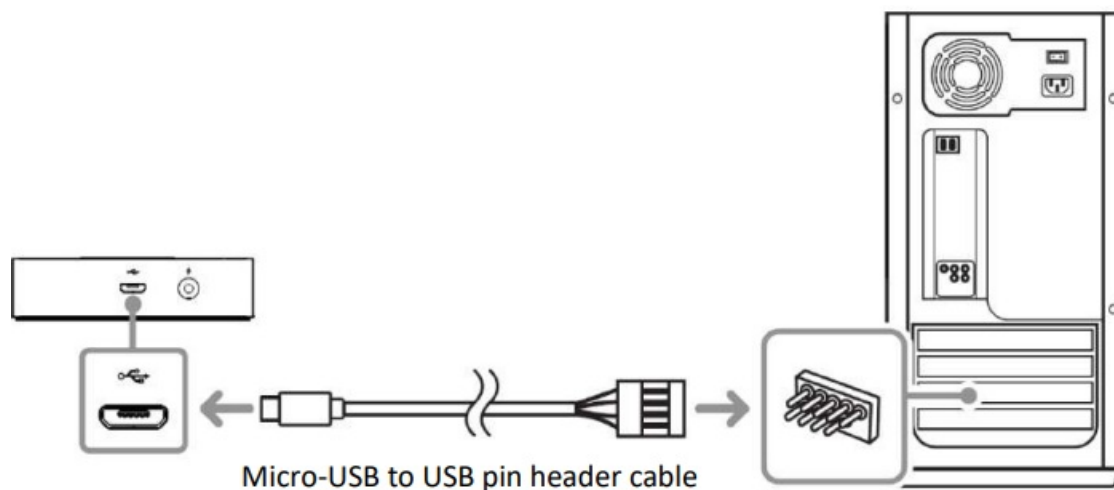
4. You may use the included double-sided adhesive tapes to fasten the ARGB controller on any clean, dry and flat surface inside the chassis.

The ARGB controller also comes with mounting points at the bottom which allows you to mount it into any of your PC's empty SSD mounting plates using M3 screws (not included).
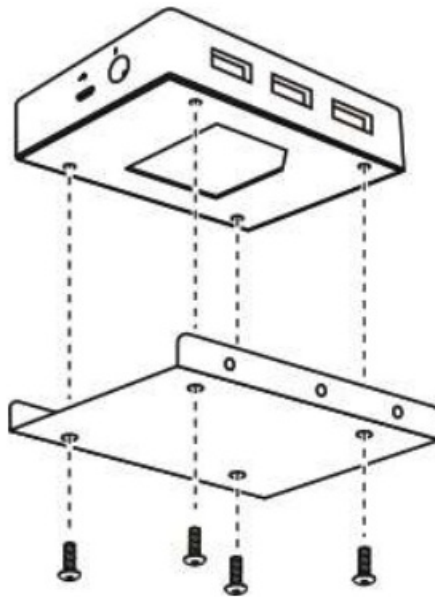
5. Use the Razer Synapse* app to access in-depth lighting customization options and integrate games and applications across your ARGB and Razer Chroma-enabled devices for a truly immersive experience. Find out more at **razer.com/chroma**

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

CONFIGURING YOUR RAZER CHROMA ARGB CONTROLLER

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. This tab allows you to navigate the Dashboard subtab.
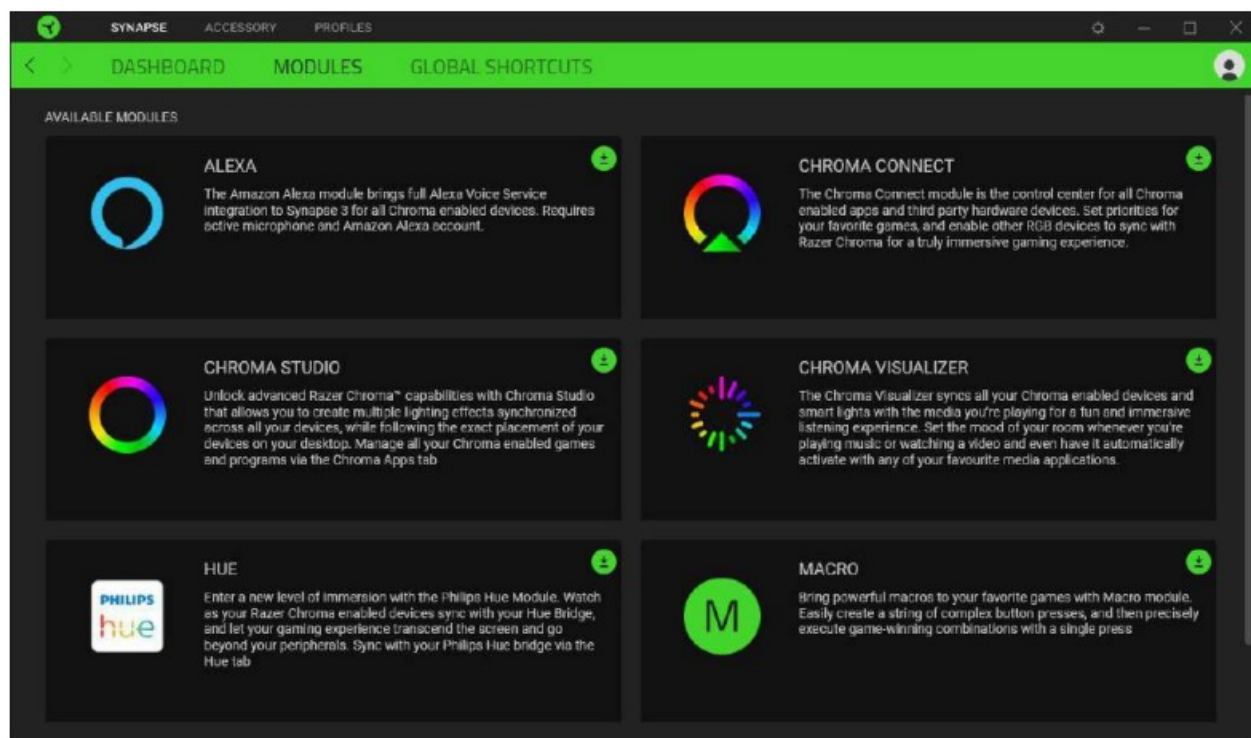
Dashboard
The Dashboard subtab is an overview of your Razer Synapse where you can access all your Razer devices, modules, and online services.
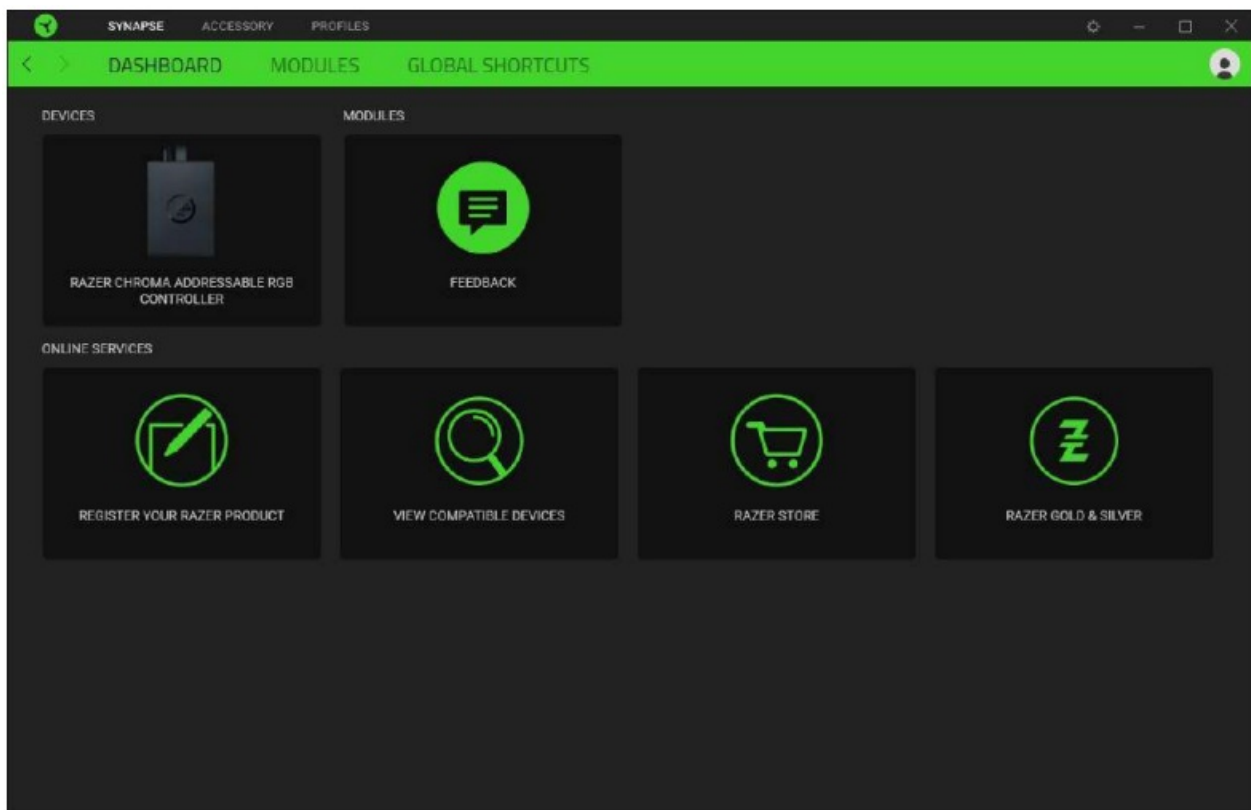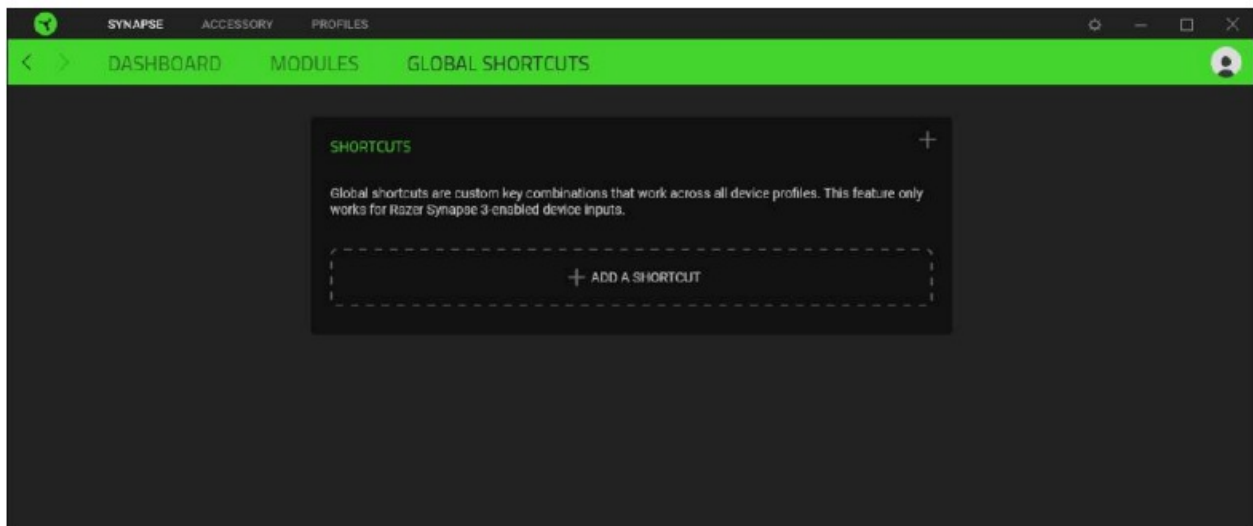
Modules

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

Global Shortcuts

Bind operations or Razer Synapse 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.

ACCESSORY TAB

The Accessory tab is the main tab for your Razer Chroma ARGB Controller. From here, you'd be able to configure the properties of connected ARGB strips or devices, customize ARGB LED strip bends (if applicable) and the lighting effect of any or all connected devices. Changes made under this tab are automatically saved to your system and cloud storage.

Customize

The Customize subtab displays all ports with connected ARGB strips or devices. You may also use this subtab in determining the type of ARGB strip or device connected to each port and identifying the number of LEDs on each connected ARGB device.
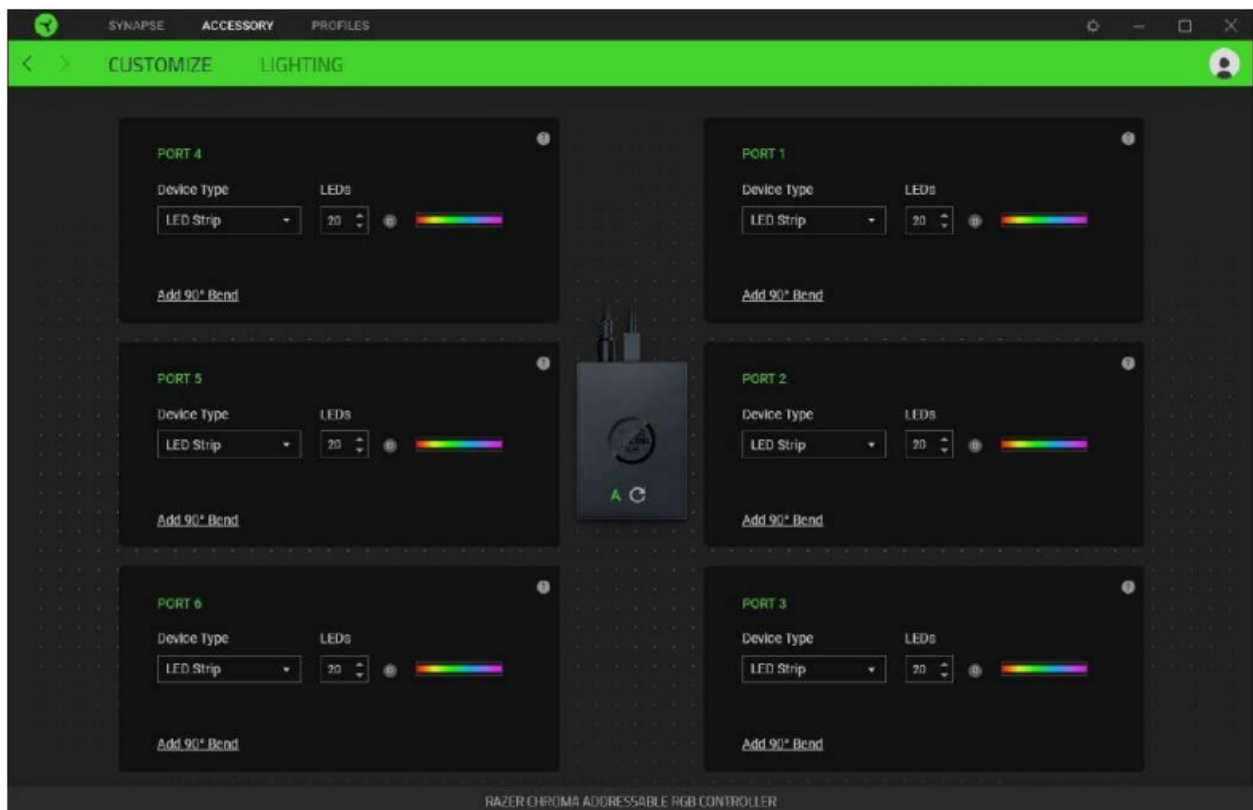

Auto-Detect / Manual Detection

By default, the ARGB controller is set to Auto-detect (A). This allows Razer Synapse to automatically detect all ports with connected ARGB devices on startup.

Upon connecting and/or removing devices from any port, clicking on the Refresh button ( ) will allow you to manually trigger device detection on all ports. Active ports will then be re-displayed while all inactive ports will

immediately be removed.

Port
Active ports will automatically be displayed together with the estimated LED count of its corresponding strip or device.
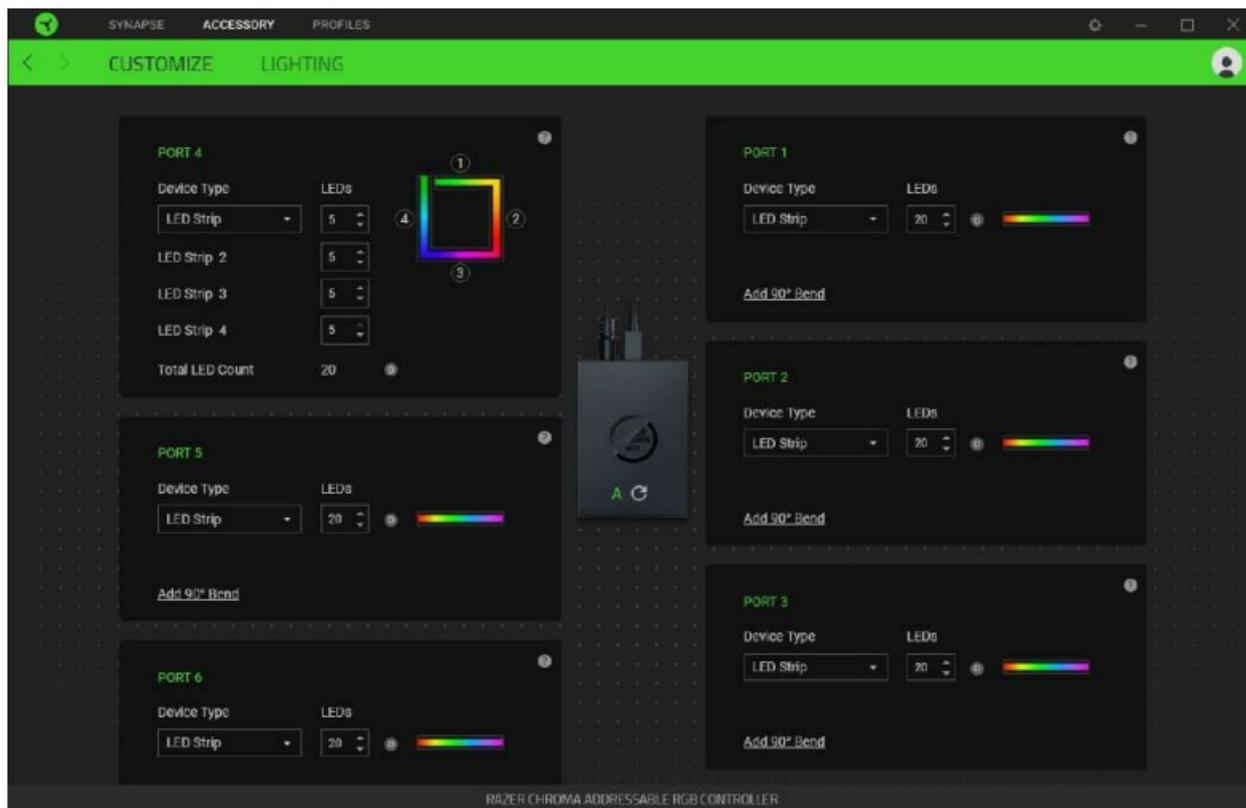
On each active Port, you'd be able to modify the following settings:

- Device Type. Determines the type of device connected to a corresponding port.
- No. of LEDs. Sets the number of LEDs a connected device will have. By default, Razer Synapse detects the number of LEDs each connected strip or device has.
- Add 90o bend (for LED Strips only). Allows you to strategically mimic how an LED strip is bent on your physical setup. Each LED strip can be bent up to four (4) times.

NOTE: These bends are essential if you want to customize specific sections on any LED strip separately. However, LED-specific customizations can only be made using the Chroma Studio module.

For more detailed information, please install the Chroma Studio module and view its Master Guide under Settings > General.

Lighting
The Lighting subtab enables you to customize the lighting of any or all connected ARGB strips or devices.
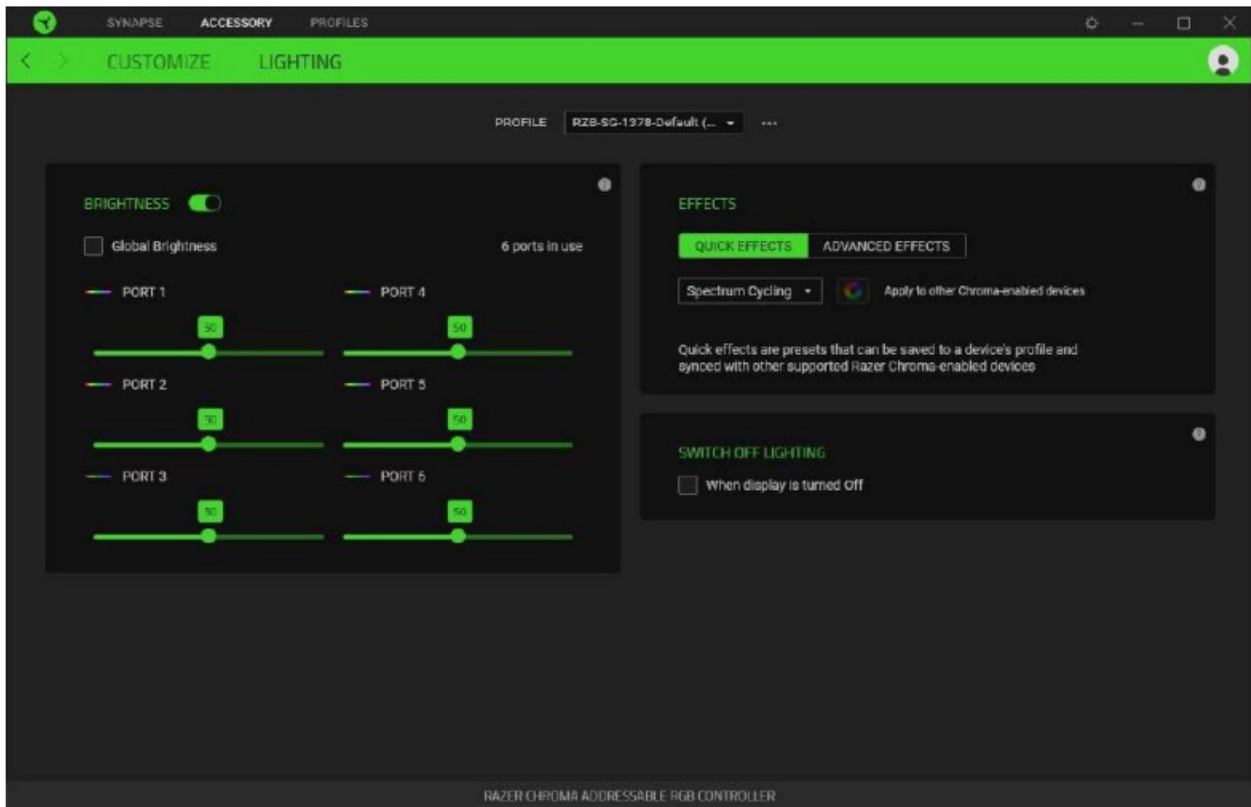
Profile

A 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, import, rename, duplicate, export, or delete a profile, simply press the profile's corresponding Miscellaneous button (●●●).

Brightness

You can turn off the lighting of each connected ARGB strip or device by toggling the Brightness option or increase/decrease the luminance on any port by adjusting its corresponding slider. Alternatively, you can enable Global Brightness if you want to adjust a single brightness setting for all ports.

Quick Effects

A number of effects can be selected and applied to all connected LED strips and/or devices, as listed here:

	Name	Description	How to set up
	Ambient awareness	The LEDs 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
	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 a wave 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 device. To start making your own Chroma Effect, simply press the Chroma Studio button ( ).

Switch Off Lighting
This is a power saving tool which allows you to disable all lighting in response to your system's display turning off.

PROFILES TAB
The Profiles tab is a convenient way of managing all your profiles and linking them to your games and applications.
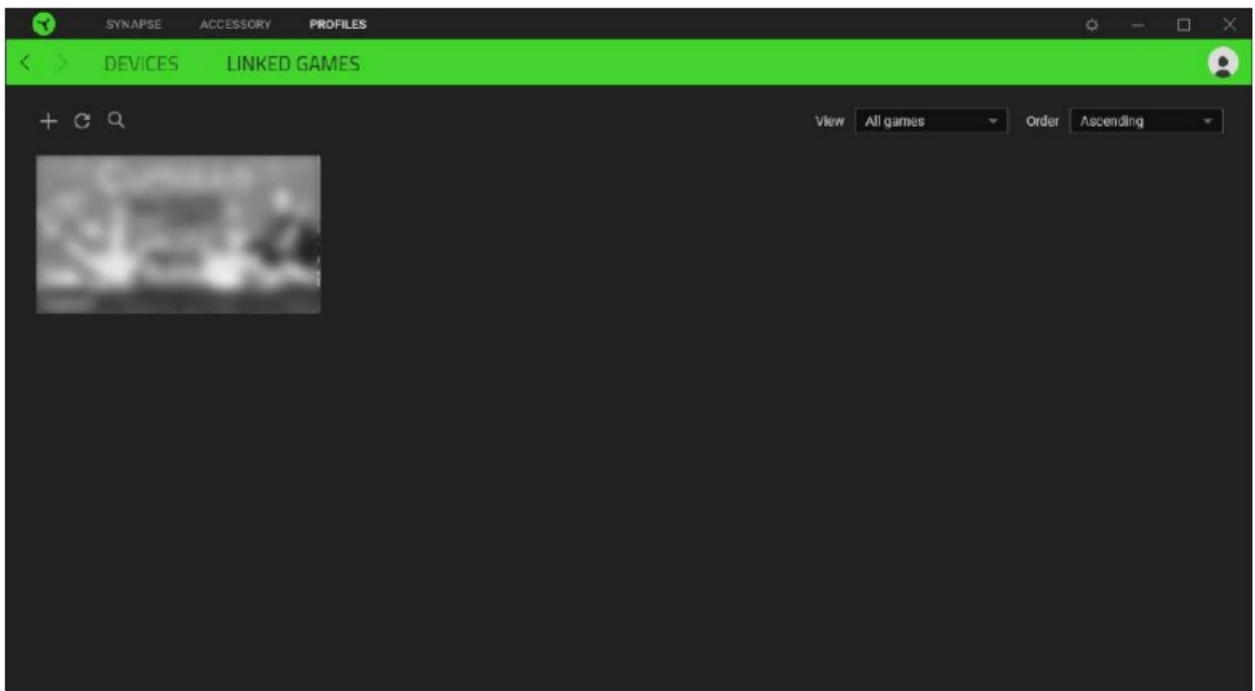
Devices
View which games are linked to each device's profiles or which Chroma Effect is linked to specific games using the Devices subtab.
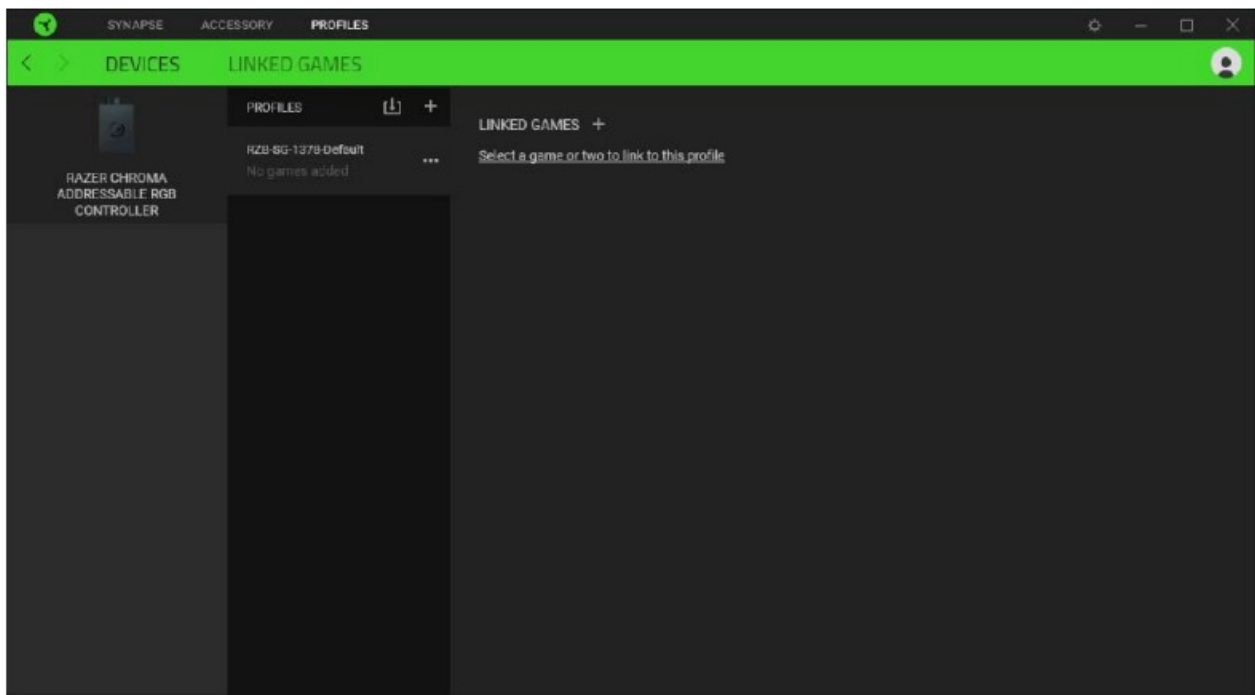
You can import Profiles from your computer or from the cloud through the import button (📥) or create new profiles within the selected device using the add button (+). To rename, duplicate, export, or delete a profile, simply press the Miscellaneous button (•••). Each profile can be set to automatically 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.
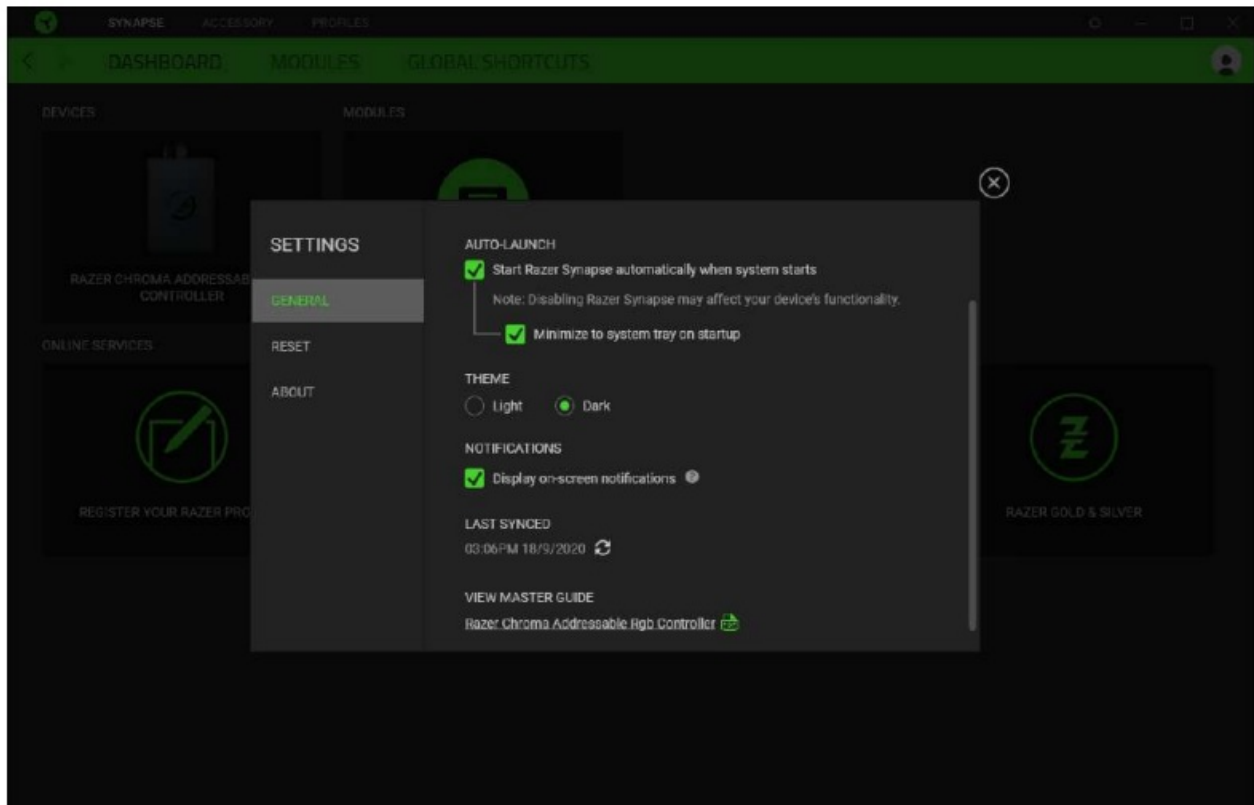
General tab

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.

SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer Chroma Addressable RGB Controller, 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. Don't attempt to service or fix the device yourself at any time.

- Don't take apart the device and don't attempt to operate it under abnormal current loads. Doing so may void your warranty.

- Only use accessories provided with the device and only purchase accessories made and/or approved by Razer.
- Power off the device before making any relocation, modifications, and/or connecting/disconnecting any component.
- Always handle all included accessories with care. When plugging or unplugging any accessory, always grip its plug/connector.
- When connecting the device to your PC's power supply unit and/or connecting LED strips to the device powered by this method, please turn off your PC first to avoid electric shocks.
- Don't use or install the device and its components near water, moisture, solvents, or other wet surfaces, nor expose these components to high temperatures or direct sunlight.
- Keep the device and its components away from liquid, humidity or moisture. Operate the device and its components only within the specific temperature range of 0°C (32°F) to 45°C (113°F). Should the temperature exceed this range, unplug and switch off the device in order to let the temperature stabilize to an optimal level.

LEGALESE

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FOR GAMER S. BY GAMERS .™

Documents / Resources

RAZER Chroma Addressable RGB Controller [pdf] User Guide
Chroma Addressable RGB Controller, Addressable RGB Controller, RGB Controller

References

- 🦁 **Razer Chroma RGB Lighting Ecosystem | Razer United States**
- 🦁 **Razer Synapse 4: Advanced Device Control and Lighting Software | Razer United States**
- 🦁 **Razer Warranty Policy | Razer United States**
- 🦁 **Razer ID**
- 🦁 **support.razer.com**
- 🦁 **support.razer.com/**
- 🦁 **Razer Chroma RGB Lighting Ecosystem | Razer United States**
- 🦁 **Razer ID**
- 🦁 **support.razer.com/**
- **User Manual**