



RAZER BLACKSHARK V2 PRO (2023)

MASTER GUIDE

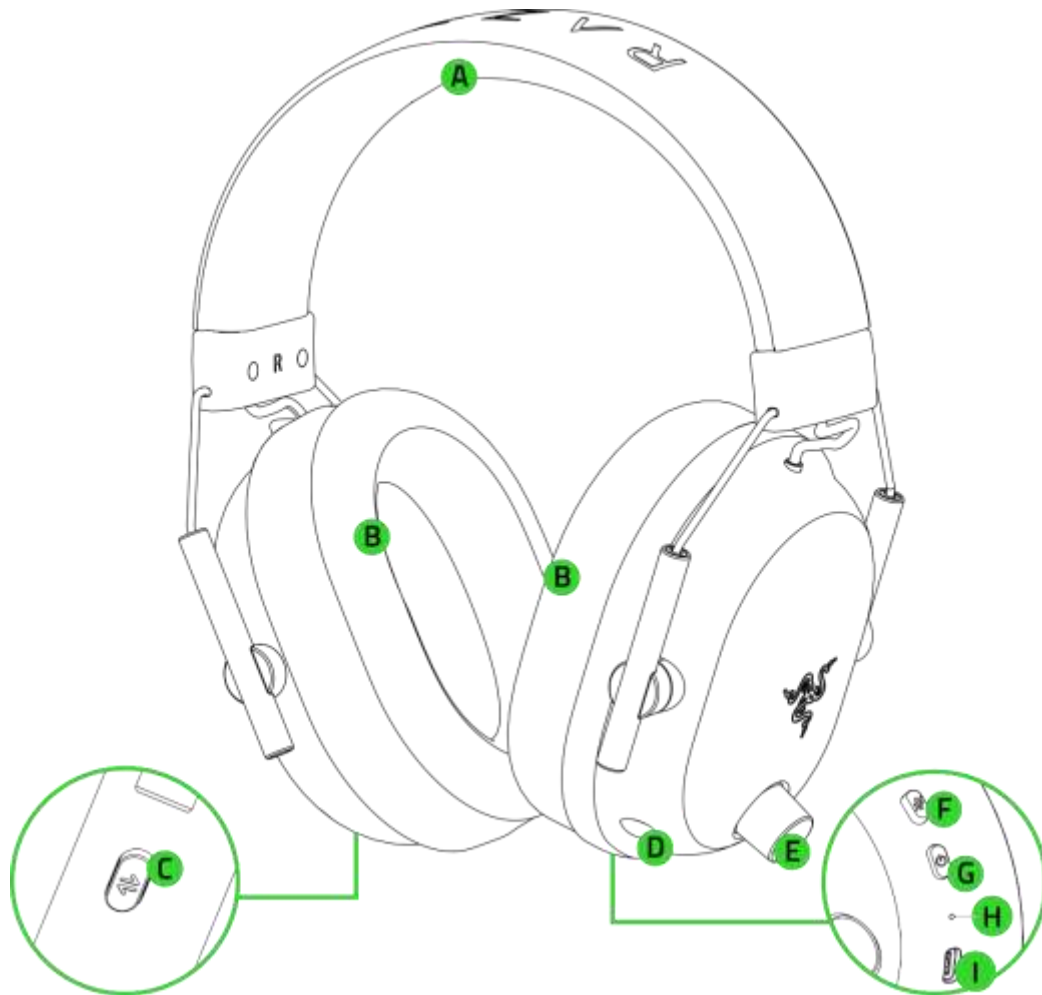
If esports is your calling, answer it with the ultimate wireless headset for competitive play. Designed to meet the needs of Team Razer's finest, get the complete package of crystal-clear audio, advanced noise isolation, and all-day comfort with the multi-award-winning **Razer BlackShark V2 Pro**.

CONTENTS

1. WHAT'S INSIDE	3
2. WHAT'S NEEDED	4
3. LET'S GET YOU COVERED.....	5
4. TECHNICAL SPECIFICATIONS	6
5. SETTING UP YOUR RAZER BLACKSHARK V2 PRO.....	7
6. USING YOUR HEADSET	11
7. CONFIGURING YOUR RAZER BLACKSHARK V2 PRO VIA RAZER SYNAPSE	20
8. SAFETY AND MAINTENANCE	33
9. LEGALESE.....	35

1. WHAT'S INSIDE

- Razer BlackShark V2 Pro



- A. Adjustable padded headband
- B. Ultra-soft breathable memory foam ear cushions
- C. Razer SmartSwitch / EQ button
- D. Microphone port
- E. Volume knob
- F. Mic mute button
- G. Power button
- H. Status indicator
- I. Charging port

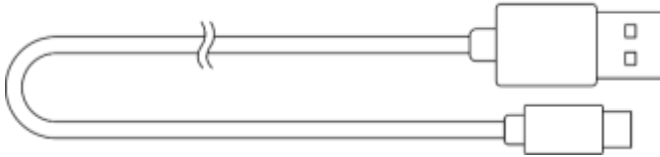
- Removable Razer™ HyperClear Super Wideband Mic



- Wireless USB dongle



- USB Type A to USB Type C charging cable



- Important product information guide

2. WHAT'S NEEDED

PRODUCT REQUIREMENTS

- USB Type A port or devices with Bluetooth connectivity

RAZER SYNAPSE REQUIREMENTS

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

3. LET'S GET YOU COVERED



Register your product and score exclusive benefits
razerid.razer.com/warranty

*Your product's
serial number can
be found here.*



4. TECHNICAL SPECIFICATIONS

HEADPHONES

- Frequency response: 12 Hz – 28 kHz
- Impedance: 32 Ω
- Sensitivity (@1 kHz): 100 dB SPL / mW at 1 kHz by HATS
- Drivers: Customized Dynamic 50 mm Driver
- Inner ear cup diameter: 62 x 42 mm / 2.44 x 1.65 in
- Connection type: 2.4 GHz wireless or Bluetooth
- Approx. weight: 320 g / 0.71lbs
- Oval ear cushions: Breathable memory foam cushions

MICROPHONE

- Frequency response: 100 Hz – 10 kHz
- Signal-to-noise ratio: \geq 60 dB
- Sensitivity (@1 kHz): -42 ± 3 dBV/Pa,1kHz
- Pick-up pattern: Unidirectional

ON-EARCUP CONTROLS

- Volume up and down
- Mic mute on /off toggle
- Razer SmartSwitch Button
- Audio profiles switcher

AUDIO USAGE

- Wireless: Via USB Type A dongle or Bluetooth 5.2
- Bluetooth Codec: AAC, SBC
- THX Spatial Audio: Only available on Windows® 10 64-bit (or higher)

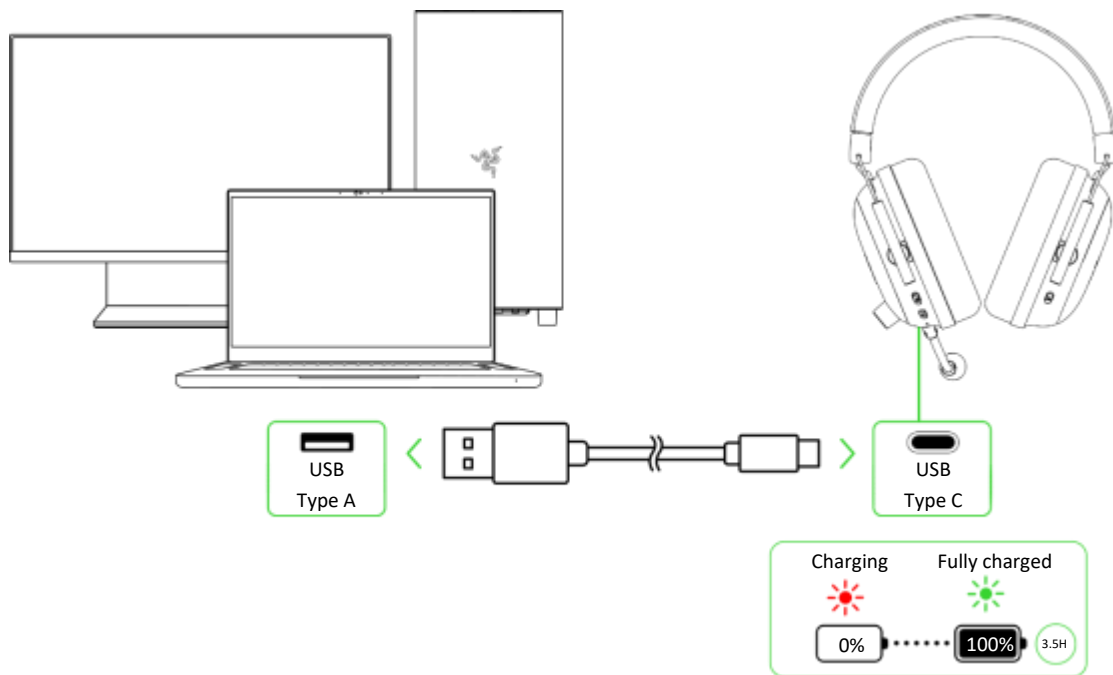
BATTERY LIFE

- Up to 70 hours

5. SETTING UP YOUR RAZER BLACKSHARK V2 PRO

CHARGING YOUR HEADSET

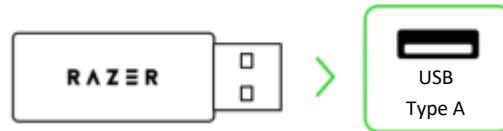
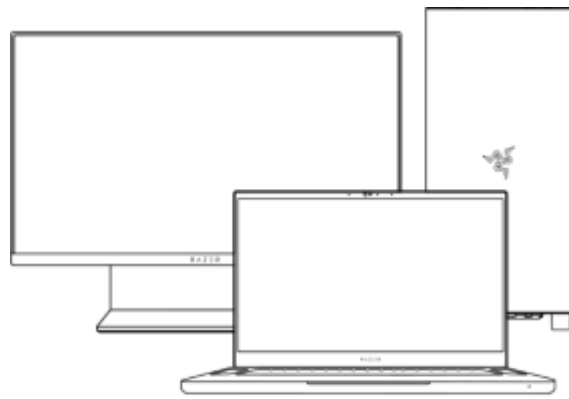
Connect your Razer BlackShark V2 Pro to a powered USB Type A port using the charging cable. For best results, please fully charge your headset before using it for the first time. A depleted unit will fully charge in about 3.5 hours.



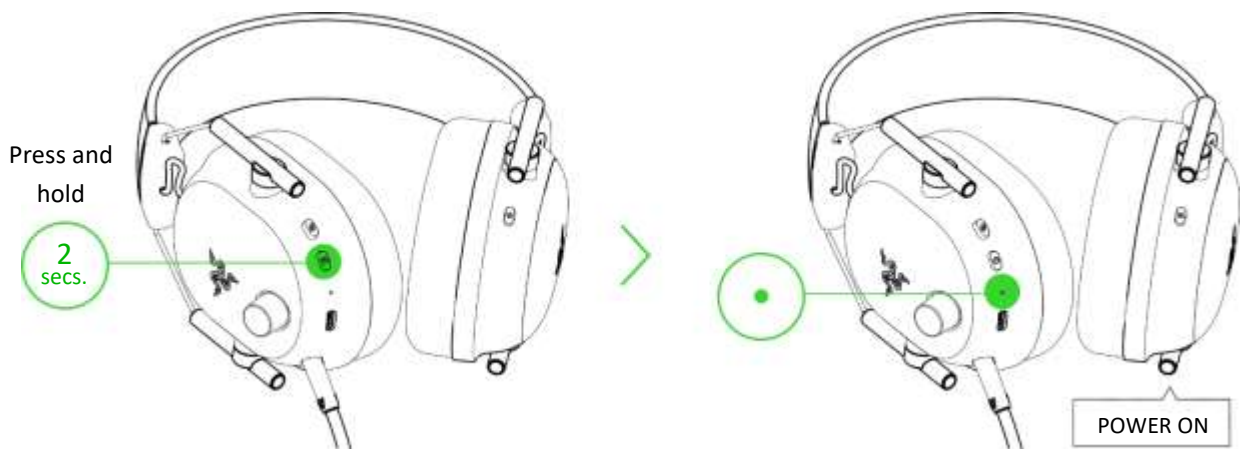
CONNECTING TO YOUR HEADSET

A. To a PC via a wireless USB dongle (2.4 GHz)

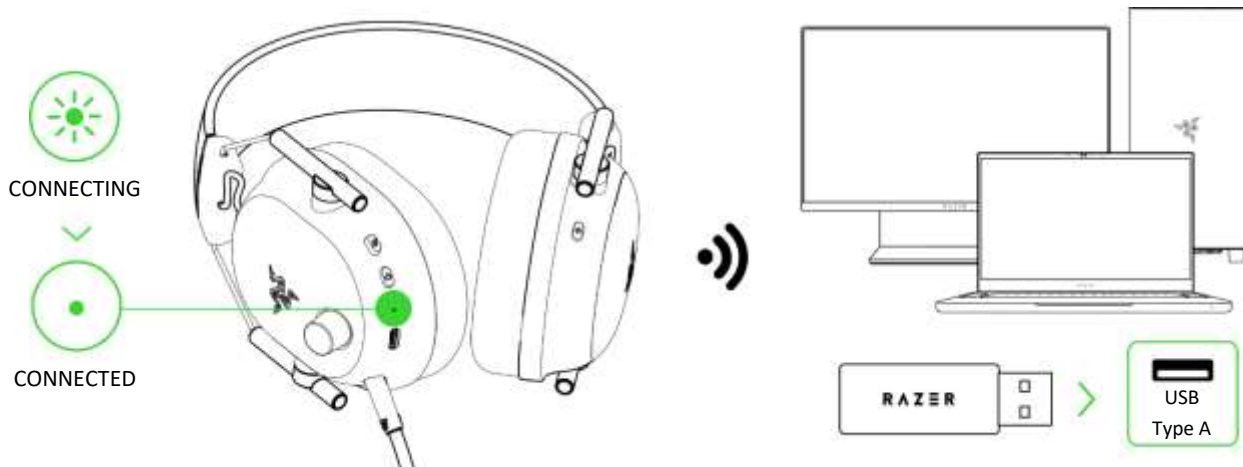
1. Plug the wireless USB dongle into any of the USB ports on your PC.



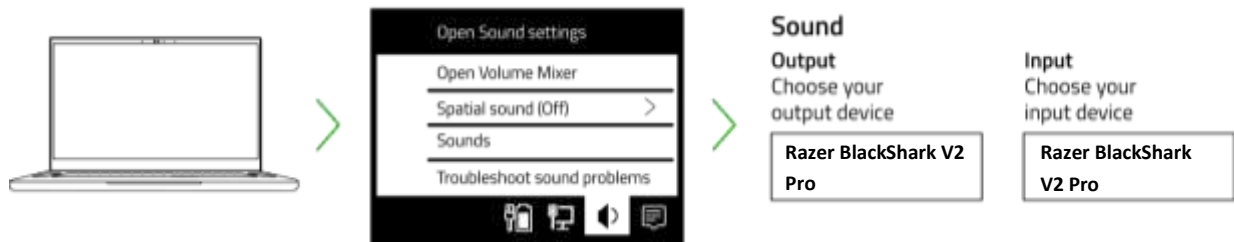
2. Press and hold the Power button until the status indicator briefly lights up in solid green to power on the headset.



3. Wait until the status indicator briefly becomes static green, indicating that the headset is connected to the wireless USB dongle



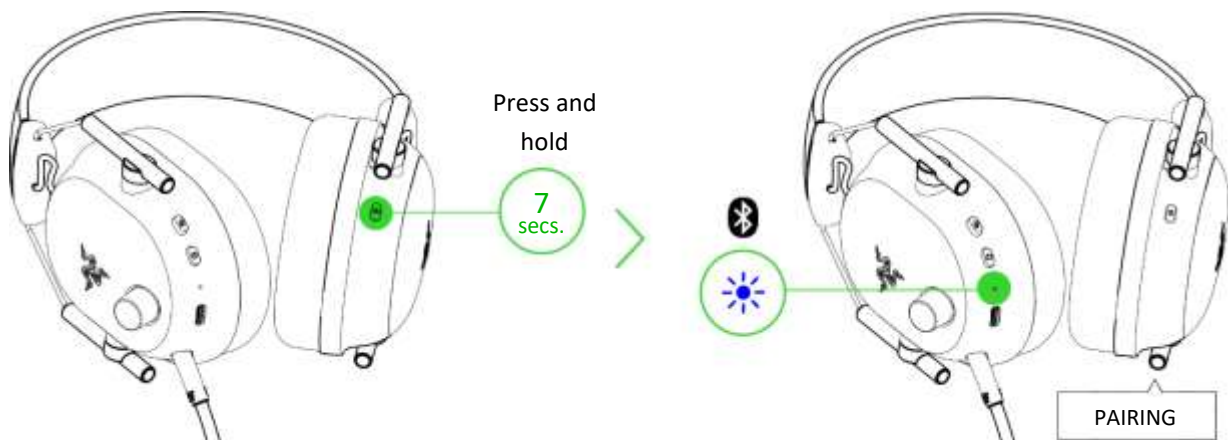
4. On your PC (if applicable), set the **Razer BlackShark V2 Pro** as the default **Output** and **Input** device.



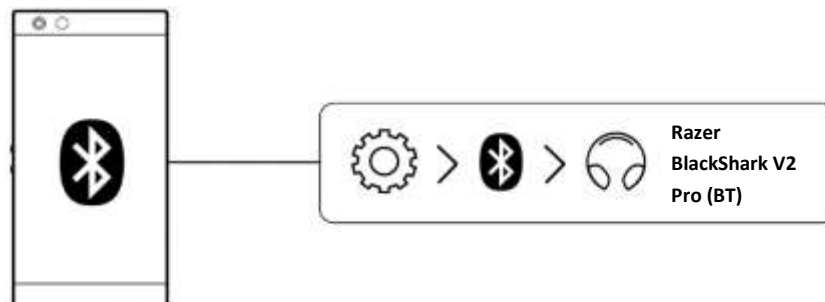
i When using the headset with compatible devices, set the Razer BlackShark V2 Pro as the default input and output device (if applicable).

B. To other devices via Bluetooth

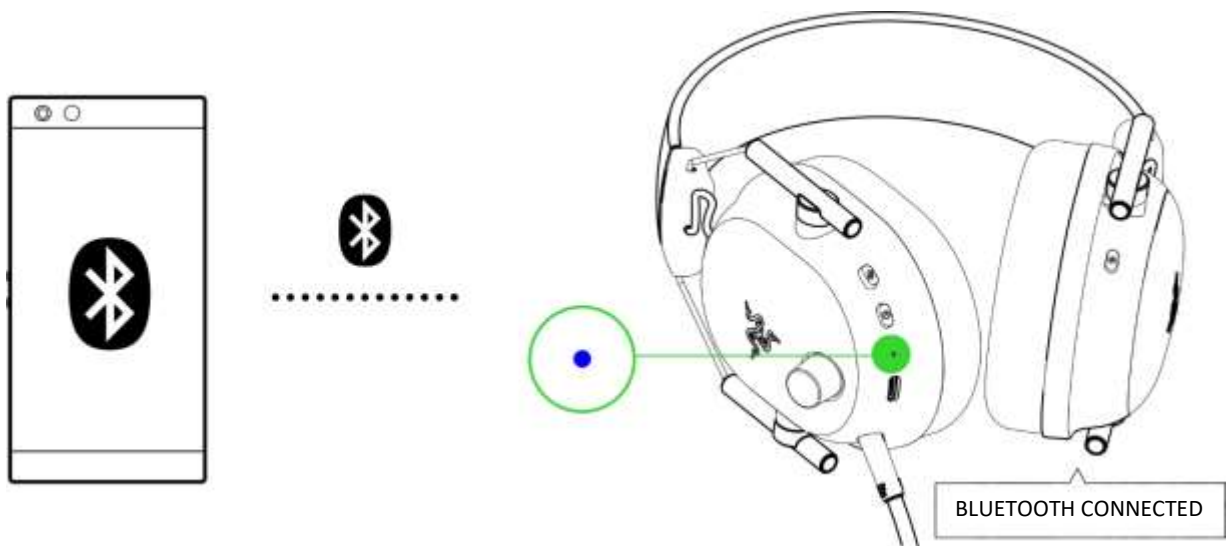
1. While powered on, press and hold the Razer SmartSwitch / EQ button for 7 seconds to activate pairing mode.



2. Activate Bluetooth on your device and select "**Razer BlackShark V2 Pro (BT)**" from the list of devices found.



3. Wait until both devices are connected. The status indicator will briefly show solid blue to indicate that the headset is now connected to your device.



PERSONALIZE YOUR EXPERIENCE

Razer Synapse (PC)*

Use the Razer Synapse app to customize your headset's EQ, toggle Do Not Disturb to block incoming calls while gaming, enable mic noise cancellation, and fine-tune other advanced features for a phenomenal audio experience that's genuinely yours.

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

Activate THX Spatial Audio*

Unleash the full potential of your Razer BlackShark V2 Pro by enabling 360° positional audio for a natural and lifelike experience through Razer Synapse.



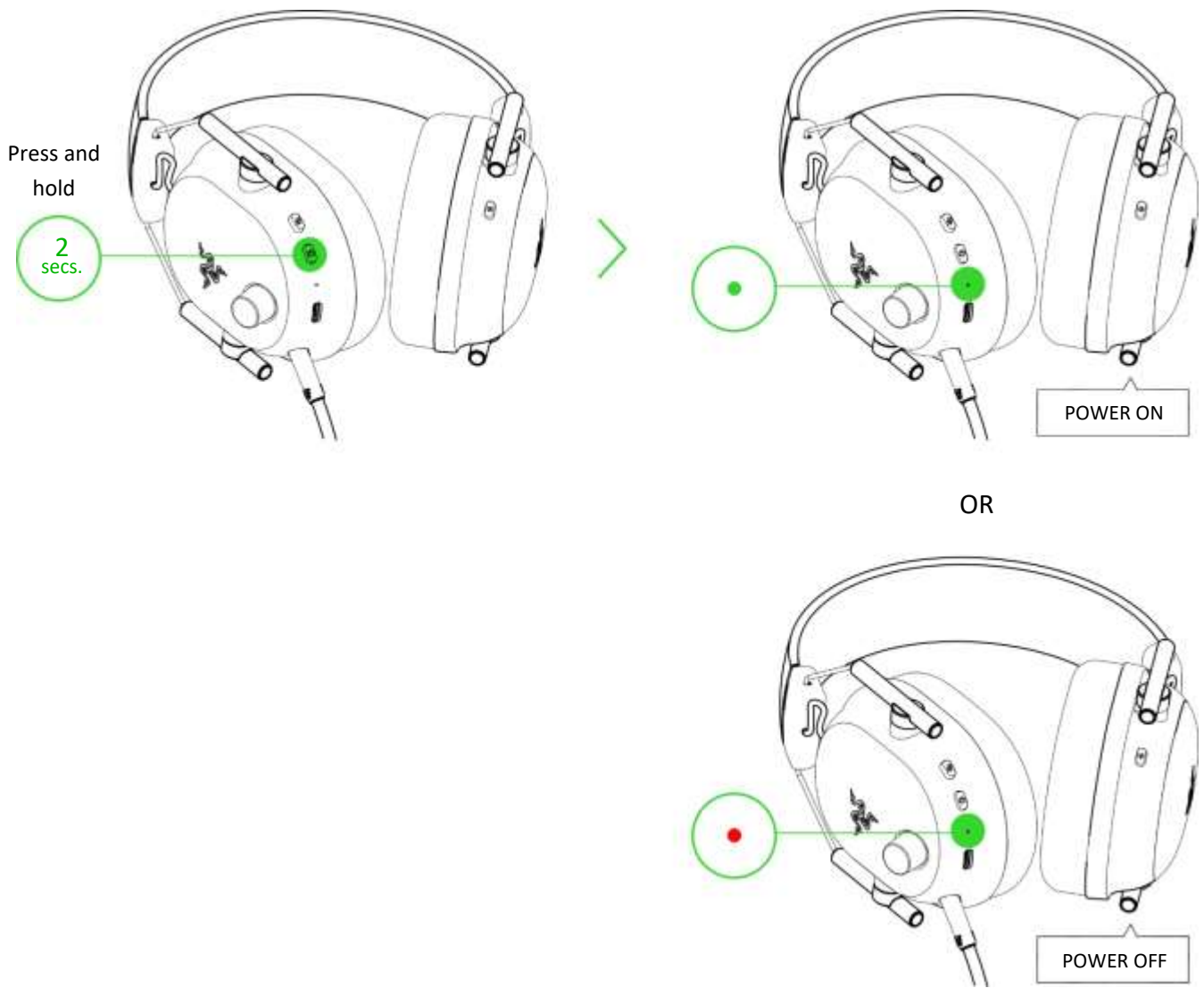
**Only available on Windows® 10 64-bit and above.*

6. USING YOUR HEADSET

POWER BUTTON

Power ON / OFF

Power on the headset by holding the Power button until the status indicator is on and holding the Power button again to turn it off. An audio prompt will help notify you when the headset is powered on or off.



i The headset will power on using the last active audio source before power off.

Other functions

Other Power button functions are available when the headset is powered on with Bluetooth as the audio source. These functions operate based on your device's current activity and may not apply to certain devices.

Single press

Play/pause


Accept an incoming call or end the current call

	Put a call on hold and accept an incoming call
	End call and swap to on-hold call
Double press	Reject incoming call
	Swap calls
	Skip track
Triple press	Previous track
While powered off, press and hold for 5 seconds	Activate Bluetooth pairing mode

STATUS INDICATOR

The status indicator will show the connection and battery status when the headset is unplugged and powered on. While in use, you'll hear a voice prompt when the headset needs to be recharged; during such time, the indicator will continue showing the battery level until you charge the headset.

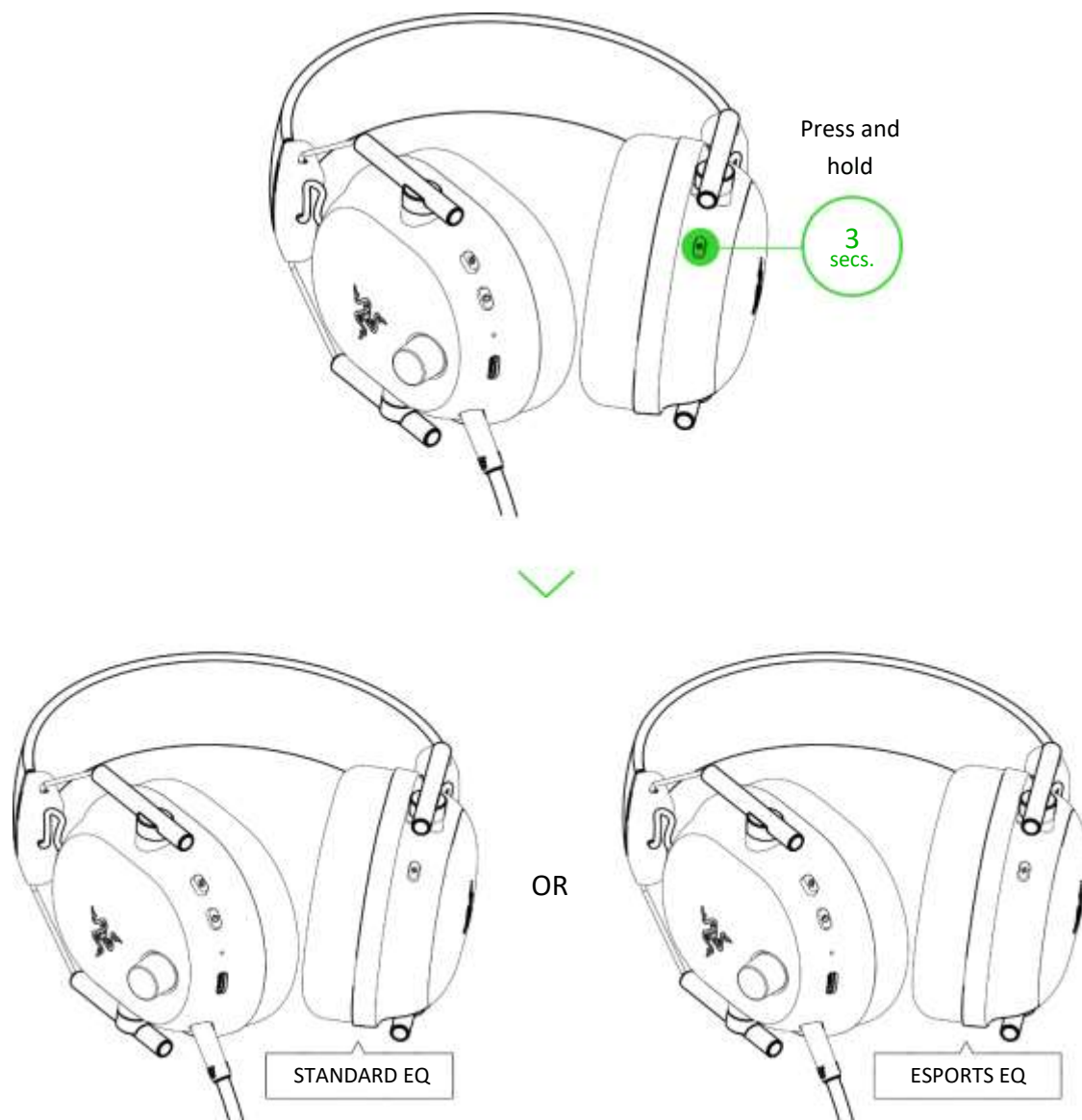


Indicator	Prompt	Battery level
	Voice	Low

RAZER SMARTSWITCH / EQ BUTTON

Switching between EQ Profiles and Presets

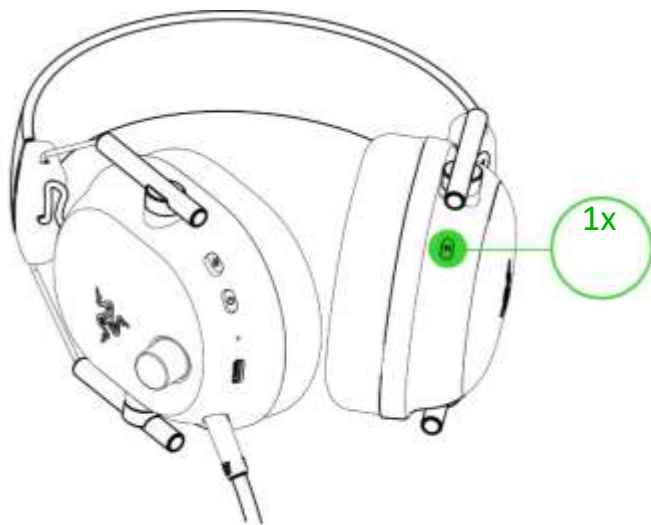
Switch between **Standard EQ** profiles to use presets designed for an all-around immersive experience and **Esports EQ** profiles to use pro-tuned FPS audio presets that provide the ultimate competitive edge. To switch between Standard EQ and Esports EQ profiles (and vice versa), press and hold the Razer SmartSwitch / EQ button for 3 seconds.



i By default, the headset is set to Standard EQ profiles. A voice prompt will be heard as you switch between EQ profiles.

Each profile has a different set of presets for you to choose from. To cycle through an active EQ profile's presets, press the Razer SmartSwitch / EQ button.

Standard EQ	Esports EQ
Game	Apex Legends

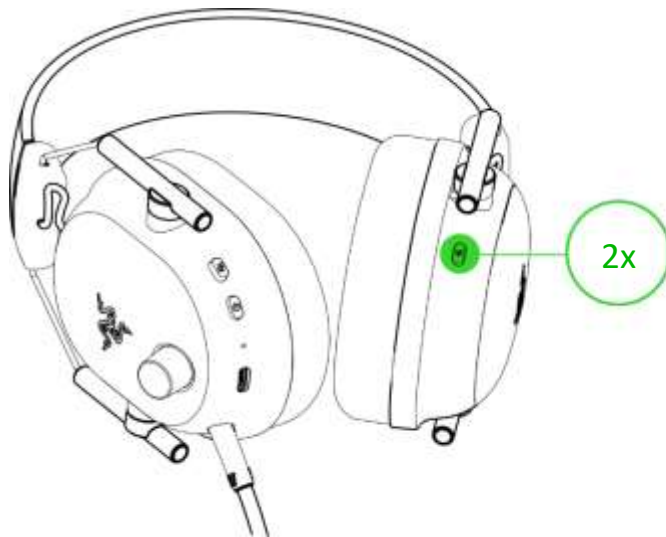


Movie	Call of Duty
Music	CS:GO
Custom	Fortnite
	Valorant

i You can also use the Razer Synapse app to switch between EQ profiles and select preferred EQ settings. [Learn more about EQ profiles](#)

Switching between audio sources

When powered on and connected to any audio source, double press the Razer SmartSwitch / EQ button to switch between the wireless USB dongle and Bluetooth audio source or vice versa.



Wireless USB dongle
(2.4 GHz)

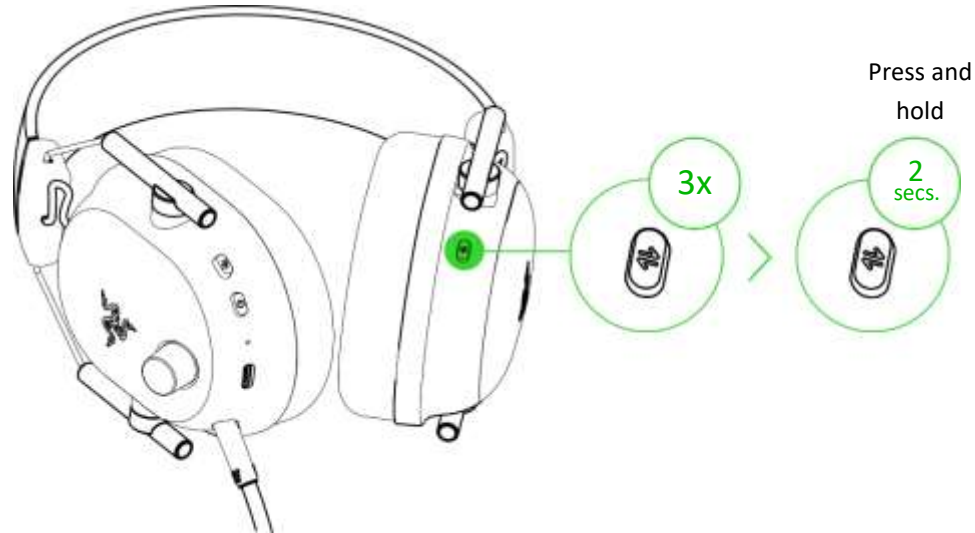


Bluetooth

i Using Bluetooth as the audio source will reconnect the headset to the last known device. Pairing mode will be activated if no device is found.

Enabling / Disabling Gaming Mode

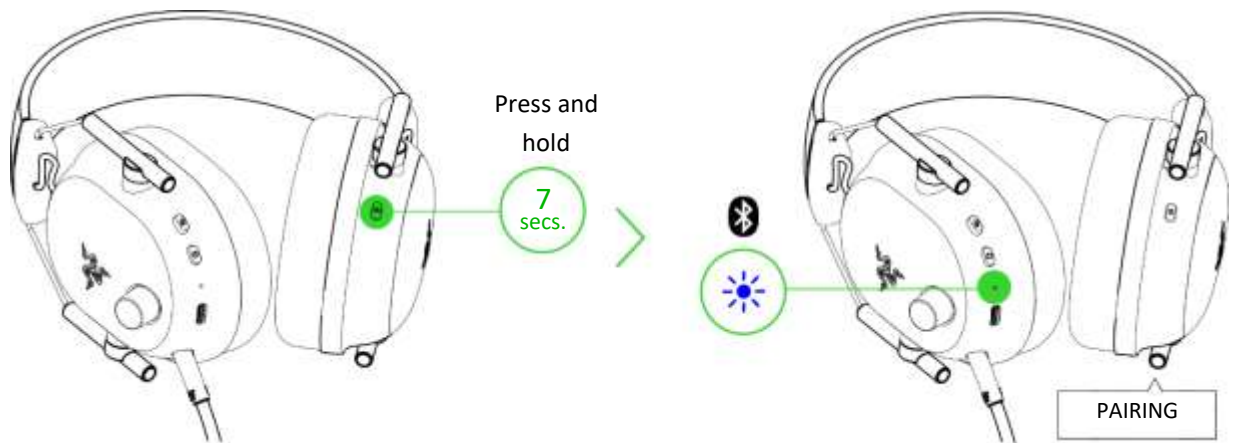
While connected via Bluetooth, triple press the Razer SmartSwitch / EQ button, then hold the last press for 2 seconds to activate Gaming Mode. Once enabled, the headset will function at a lower latency, giving you real-time audio feedback while gaming. Repeat to disable gaming mode.



i This feature is only available on Bluetooth connection. Keeping the headset within a very close distance of the audio source is recommended for the best performance.

Reactivating Bluetooth pairing mode


You can also use the Razer SmartSwitch / EQ button to reactivate Bluetooth pairing mode. While connected via Bluetooth, press and hold the Razer Smart Switch button for 7 seconds to reactivate Bluetooth pairing mode and connect your device as needed to **Razer BlackShark V2 Pro (BT)**.



Understanding Razer Smartswitch

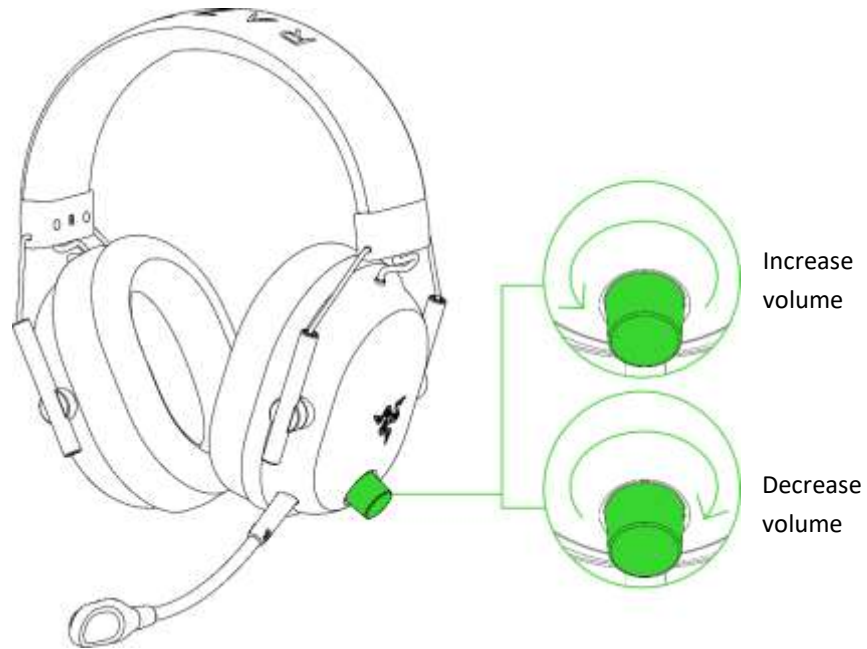
With the Razer BlackShark V2 Pro simultaneously connected to a PC or gaming console (via wireless USB dongle) and a mobile device (via Bluetooth), you'll be able to use the headset for incoming/outgoing/conference calls from a connected Bluetooth device and switch back to the game audio without removing the headset. The status indicator will briefly show static white to indicate that the headset is connected to both audio sources.

The following behaviors below will help you understand how your headset responds to audio source switching and incoming/outgoing/conference calls when your headset is connected to a Bluetooth device and the wireless USB dongle:

Headset audio	Razer SmartSwitch behavior
Streaming via wireless USB dongle	<ul style="list-style-type: none"><li data-bbox="435 743 1438 856">▪ The headset will automatically switch to Bluetooth audio source for incoming/outgoing/conference calls from your mobile device and resume using the wireless USB dongle after each call.<li data-bbox="483 890 1471 961"> <i>You can deactivate automatic source switching for incoming calls by enabling your headset's Do Not Disturb feature on the Razer Audio app.</i><li data-bbox="435 989 1463 1060">▪ Audio from the connected mobile device will ONLY automatically stream on the headset if no audio is present or streaming on the wireless USB dongle.<li data-bbox="435 1087 1438 1159">▪ Auto-pause on streamed audio when switching audio sources depends on the app you're using (e.g., Spotify, Apple Music).
Streaming via Bluetooth	<ul style="list-style-type: none"><li data-bbox="435 1220 1471 1333">▪ When you switch to the wireless USB dongle audio source, your headset will remain connected to your mobile device via Bluetooth. However, the Razer Audio app will disconnect from your mobile device.<li data-bbox="435 1360 1438 1432">▪ Auto-pause on streamed audio when switching audio sources depends on the app you're using (e.g., Spotify, Apple Music).
Not streaming on any audio source	Audio will play on the first audio source that streams audio.

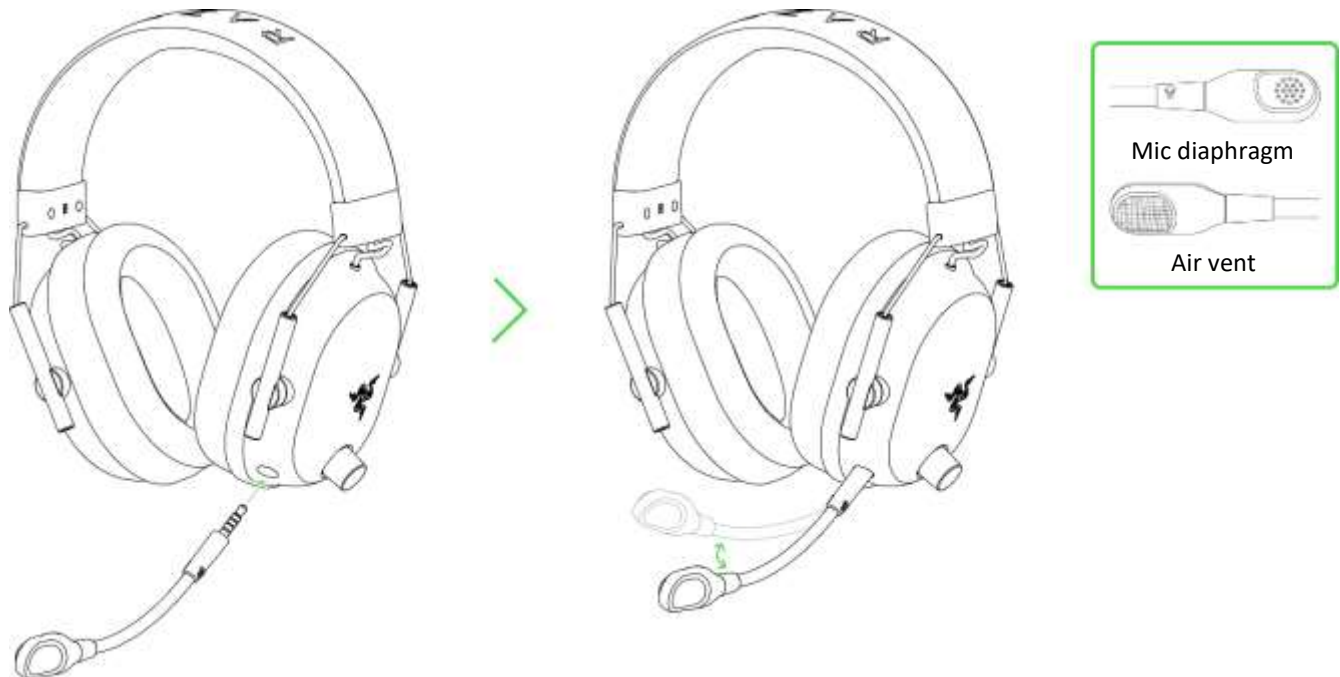
VOLUME CONTROL KNOB

Rotate the volume control knob to increase or decrease the volume.



RAZER HYPERCLEAR SUPER WIDEBAND MIC

Plug the Razer™ HyperClear Super Wideband Mic into the headphone and bend until it is parallel to your mouth. Make sure the mic diaphragm is in front, and the air vent is facing away from your mouth.




i *The recommended mic-to-mouth distance for optimal sound capture is 1.5 cm to 3 cm (0.59 in to 1.18 in).*

MUTING / UNMUTING THE MICROPHONE

Press the mic mute button to mute or unmute the microphone.



7. CONFIGURING YOUR RAZER BLACKSHARK V2 PRO VIA RAZER SYNAPSE

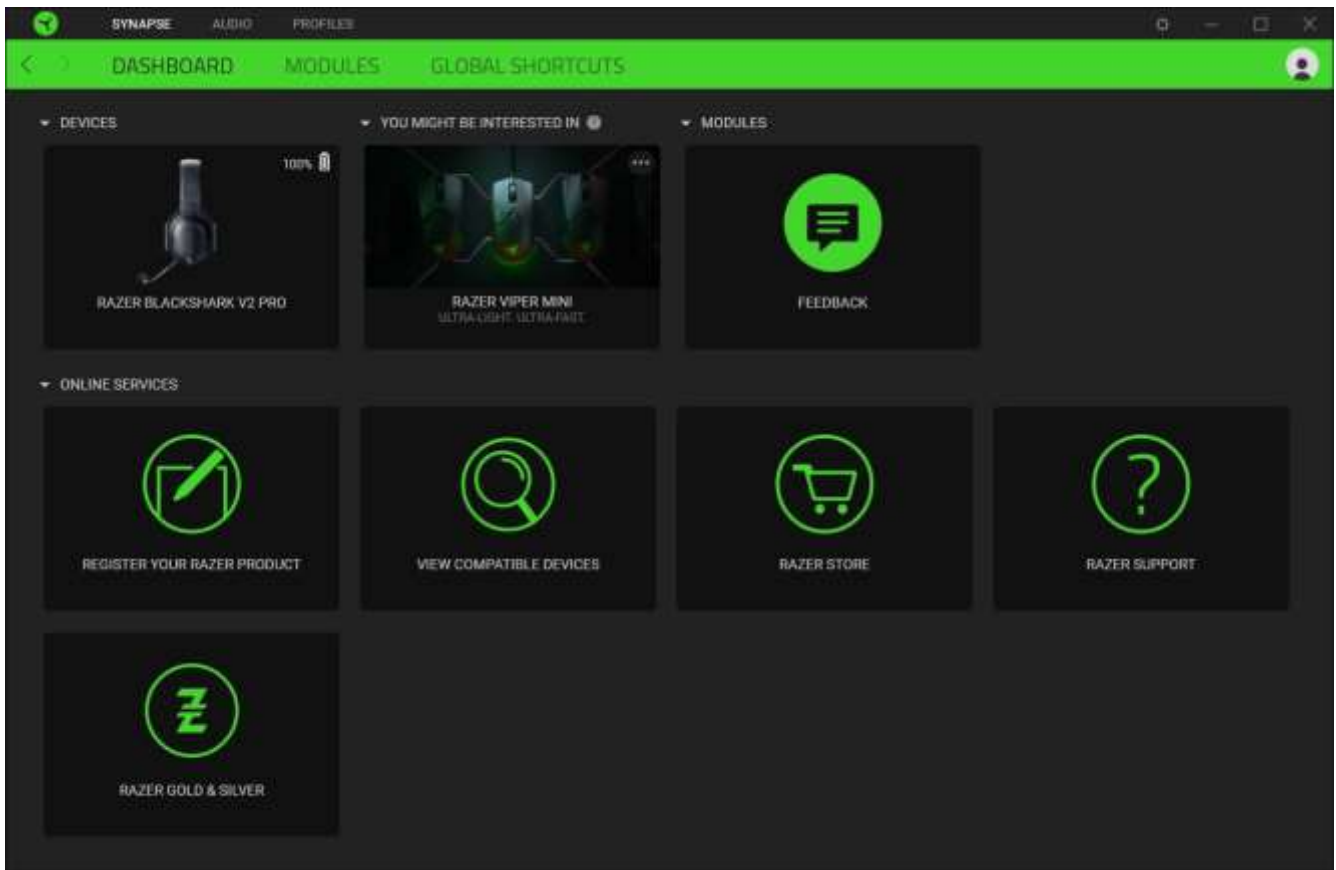
 *Internet connection is required for installation, updates, and cloud-based features. Registering for a Razer ID account is recommended but optional. All listed features are subject to change based on the current software version, the connected device(s), and supported apps and software.*

SYNAPSE TAB

The Synapse tab is your default tab when you first launch Razer Synapse. This tab allows you to navigate the Dashboard subtab.

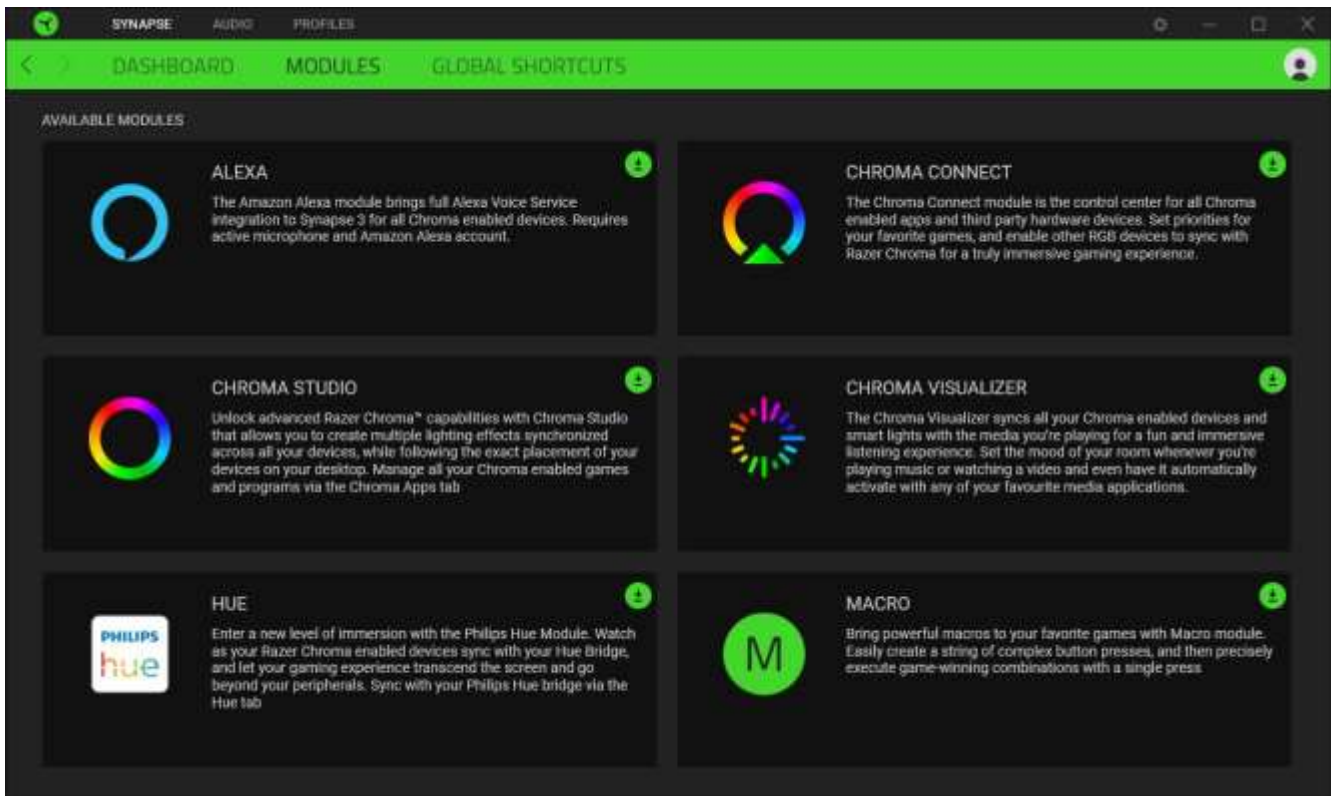
Dashboard

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



Modules

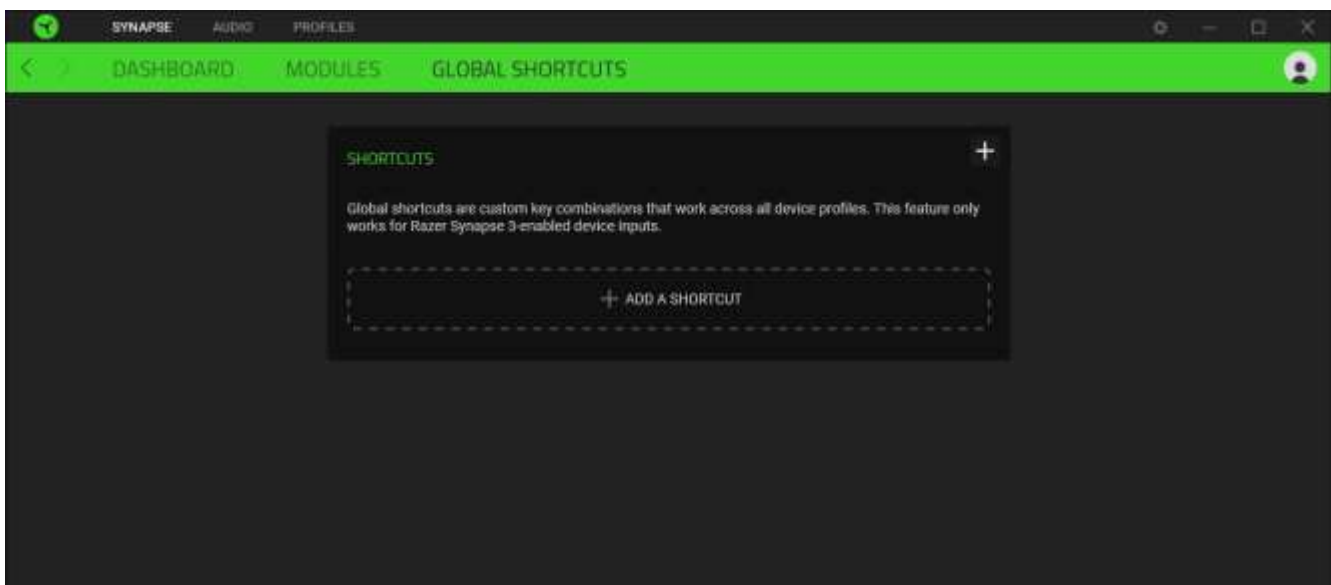
The Modules subtab displays all installed and available modules for installation.



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. [Learn more about Profiles](#)

 *Only Razer Synapse-enabled device inputs will be recognized.*

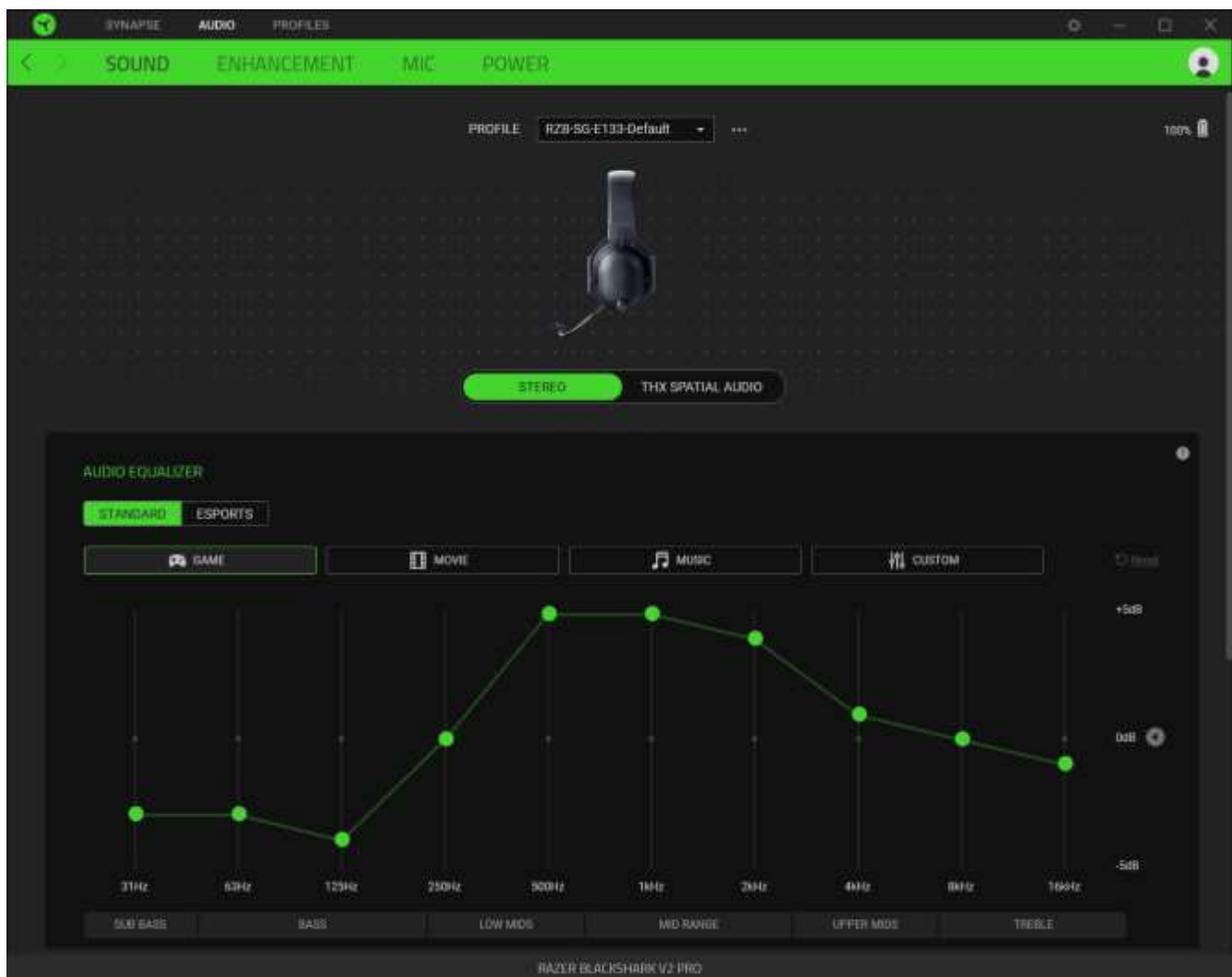


AUDIO TAB

The Audio tab is the main tab for your Razer BlackShark V2 Pro. From here, you can customize your device's settings to unleash its full potential. Changes made under this tab are automatically saved to your system and cloud storage.

Sound

The Sound subtab is for switching between Stereo audio and THX Spatial Audio, setting and customizing EQ profile and presets for specific games, adjusting the overall system volume or individual volume of all active applications, and accessing Windows Sound properties.



Profile

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

Stereo / THX Spatial Audio

Toggle between Stereo audio and THX Spatial Audio.

Audio Equalizer

Use Razer Synapse to switch between Standard EQ profiles for an all-around immersive experience and Esports EQ profiles for pro-tuned audio profiles for competitive FPS games.

Game Profiles

Set a THX Spatial Audio or EQ preset to load automatically when a game is in the foreground. Click on **Add Games & Programs** to manually add apps and set your preferred audio output for each.

Understanding THX Game Profiles

THX Game Profiles are custom-tuned profiles that enhance the existing sound design in your favorite games. For THX Game Profile-supported games, the following modes are available in its corresponding Audio Output dropdown options:

- **THX Competitive Mode.** Boosts enemy audio while reducing low-frequency sounds such as explosions so you can hear their footsteps, reloads and other sound effects with greater clarity.
- **THX Environmental Mode.** For truly realistic acoustics that reflect your surroundings and localized enemy audio for better directional hearing.



For an updated list of THX Game Profile-supported games, visit razer.com/thx-spatial-audio/game-list

Volume

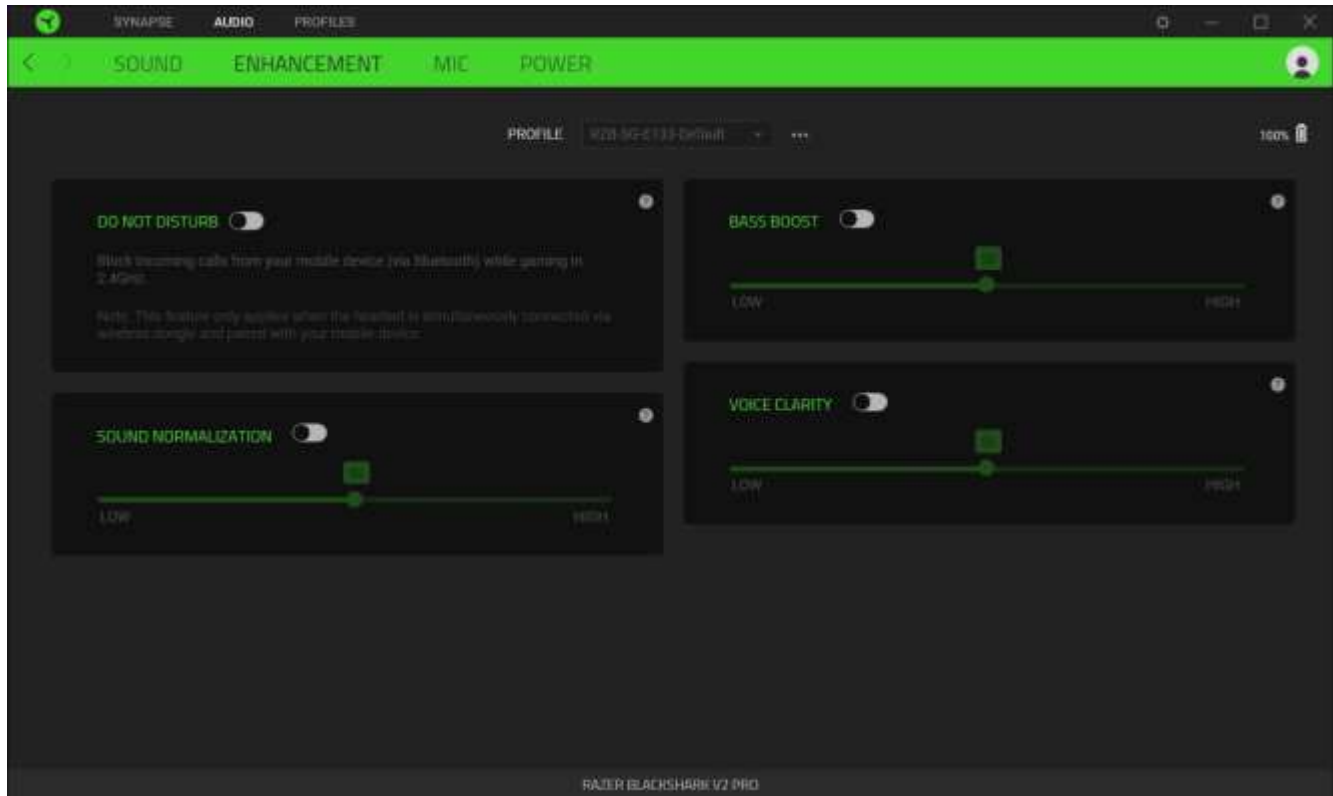
Adjust the audio volume of the device. You may also access the Windows volume mixer of the current playback device, where you can proportionally adjust the system's overall volume or individually adjust the volume of each active application.

Sound Properties

Launches the Windows Sound Properties window where you can manage your system's sound settings, such as modifying the playback and recording device settings, sound scheme, and default communications activity.

Enhancement

The Enhancement subtab is for customizing your audio system's incoming audio settings and frequency response.



Do Not Disturb

Block calls from your mobile device (via Bluetooth) while connected to the wireless USB dongle.

! *This feature only works when the headset is connected to the wireless USB dongle and a mobile device simultaneously.*

Bass Boost

Enhance the low-frequency response to improve the bass output of your headset. When enabled, you can adjust the bass output of the headset by adjusting the bass boost slider.

Sound Normalization

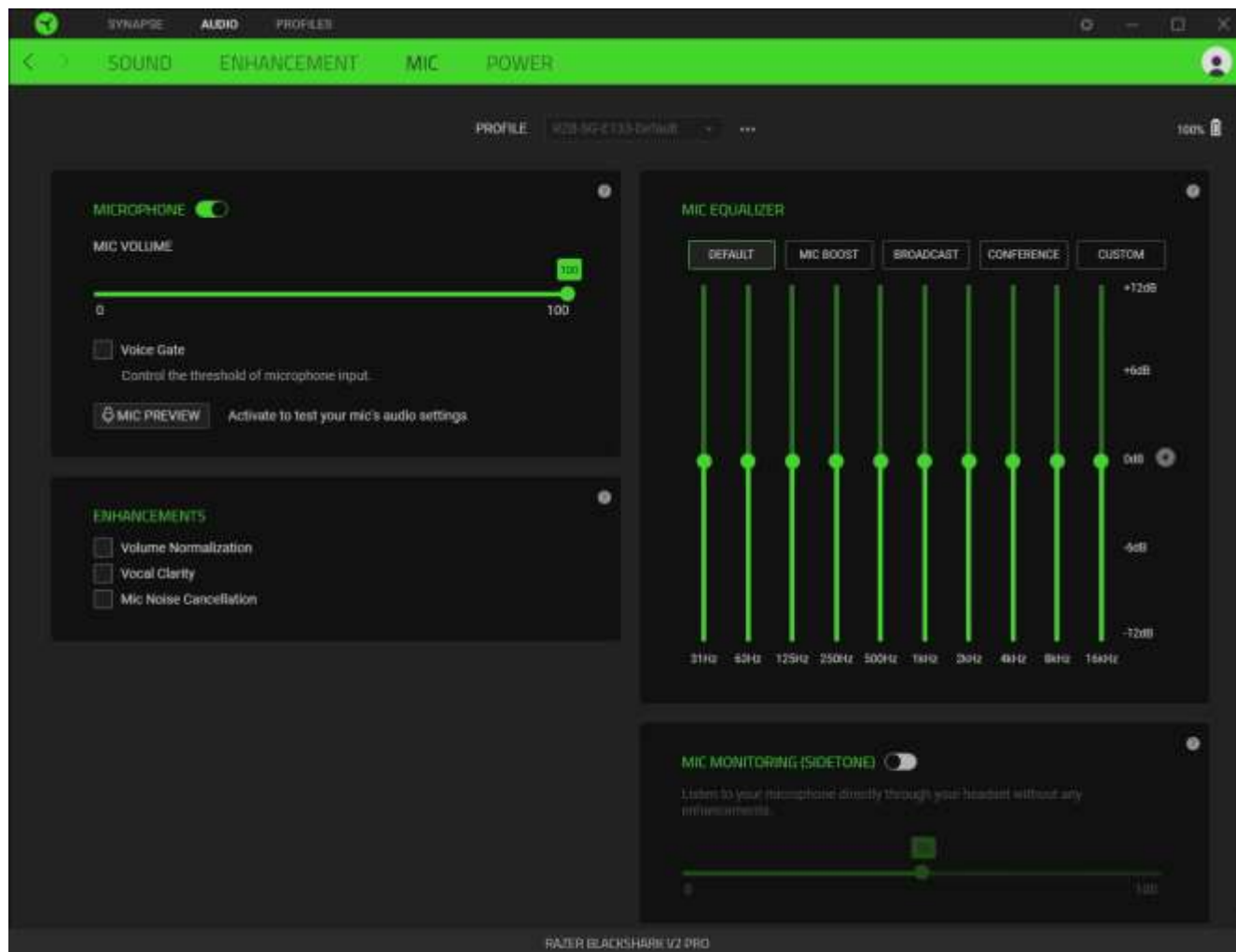
Enable Sound Normalization to adjust how much incoming audio will be reduced to avoid sudden and unpleasant increases in volume from effects such as shouting or explosions.

Voice Clarity

Enhance the quality of incoming voice conversations by filtering the sound to improve its clarity and volume.

Mic

The Mic subtab enables you to change all outgoing mic audio settings.



Microphone

Control the mic volume and input for clearer mic audio or disable it entirely by toggling the Microphone option.

Mic Volume

Adjust the microphone input or mute the mic.

Enhancements

Improve the quality of the mic input further by enabling any of the listed features below and adjusting its intensity using its corresponding slider.

- Volume Normalization. Reduces the variation of loudness.

- Vocal Clarity. Emphasizes the voice frequency.
- Mic Noise Cancellation. Suppresses environmental noise.

Mic Equalizer

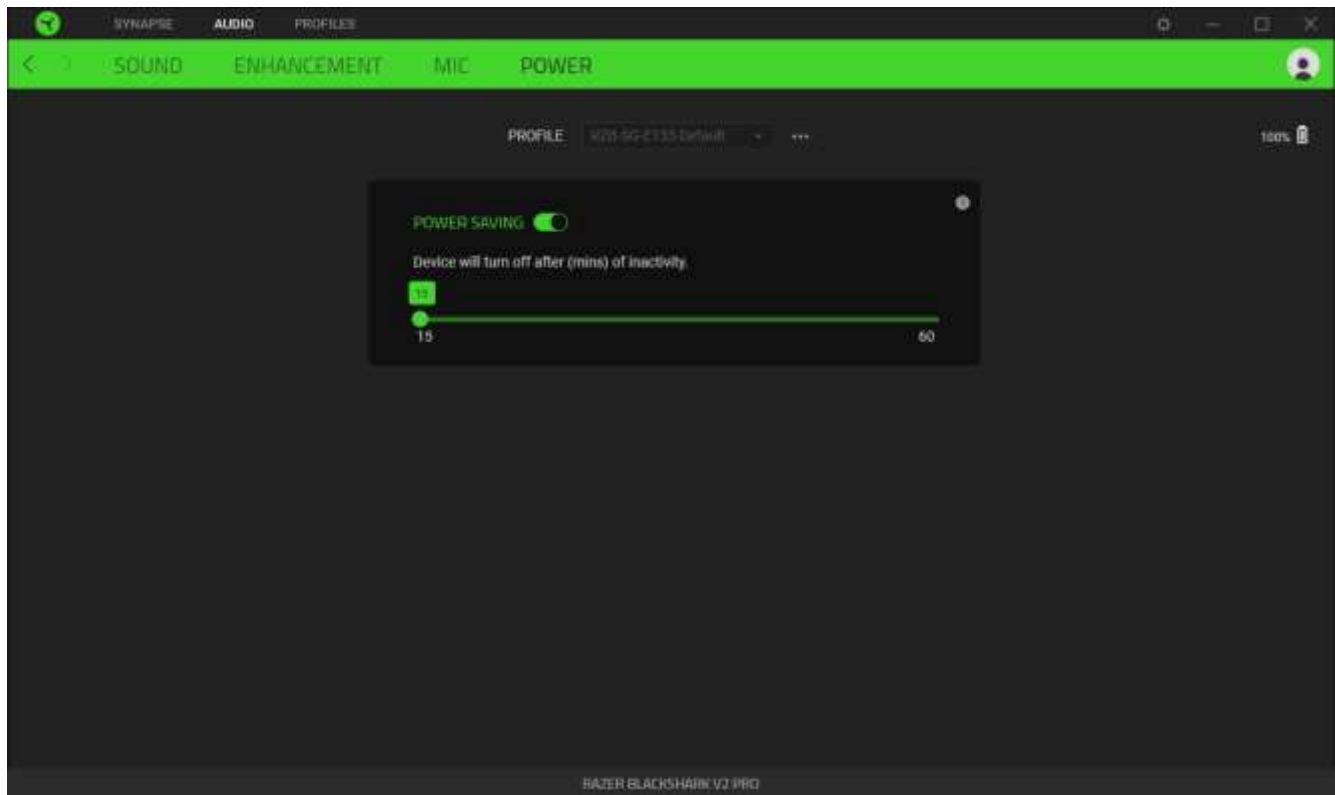
Select any available mic equalizer preset that best fits your mic needs. Manually adjusting any equalizer preset will automatically set it as a Custom preset.

Mic Monitoring (Sidetone)

Enable this setting to monitor the microphone's raw audio input through the headset with an additional option to increase or decrease the audio monitoring volume.

Power

The Power subtab allows you to set your device to enter sleep mode when idle for a certain amount of time.

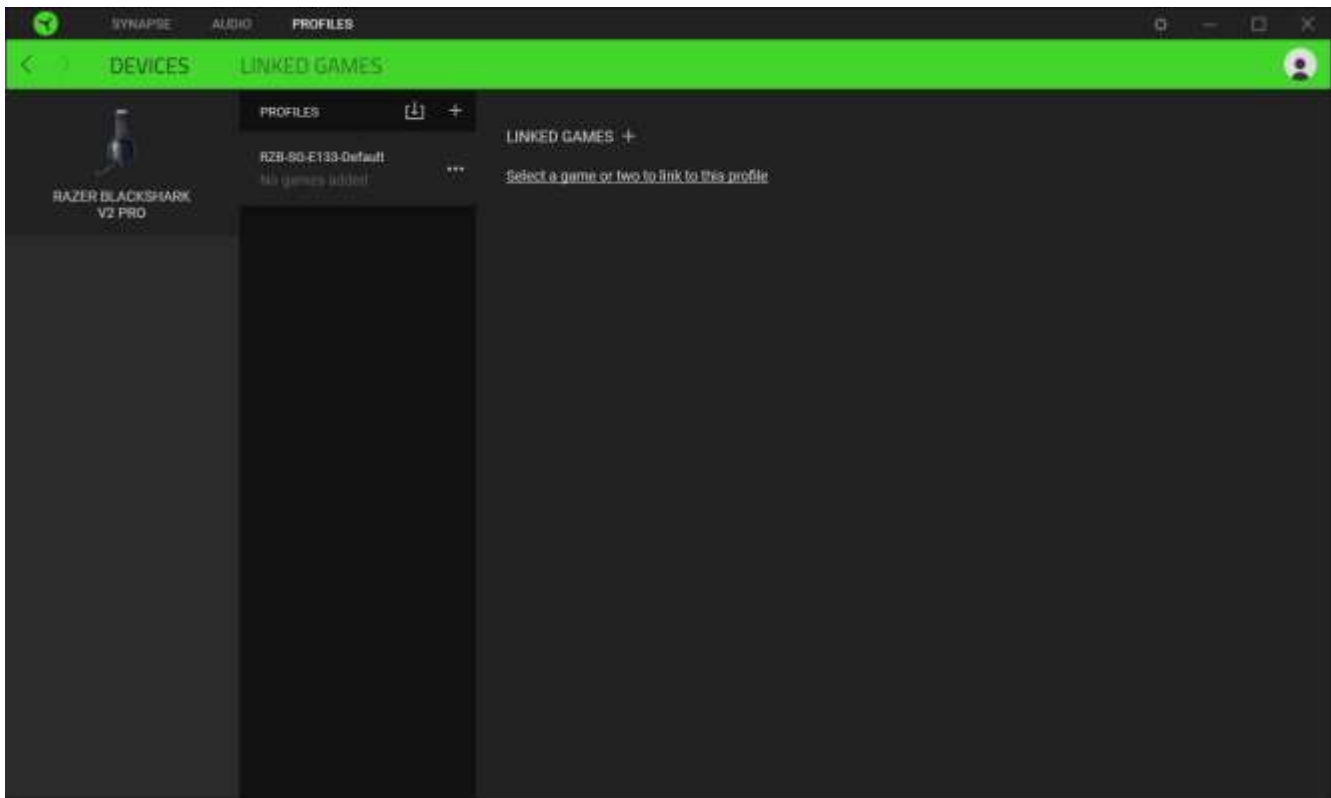





PROFILES TAB

The Profiles tab is a convenient way to manage all your profiles and link them to your games and applications.

Devices

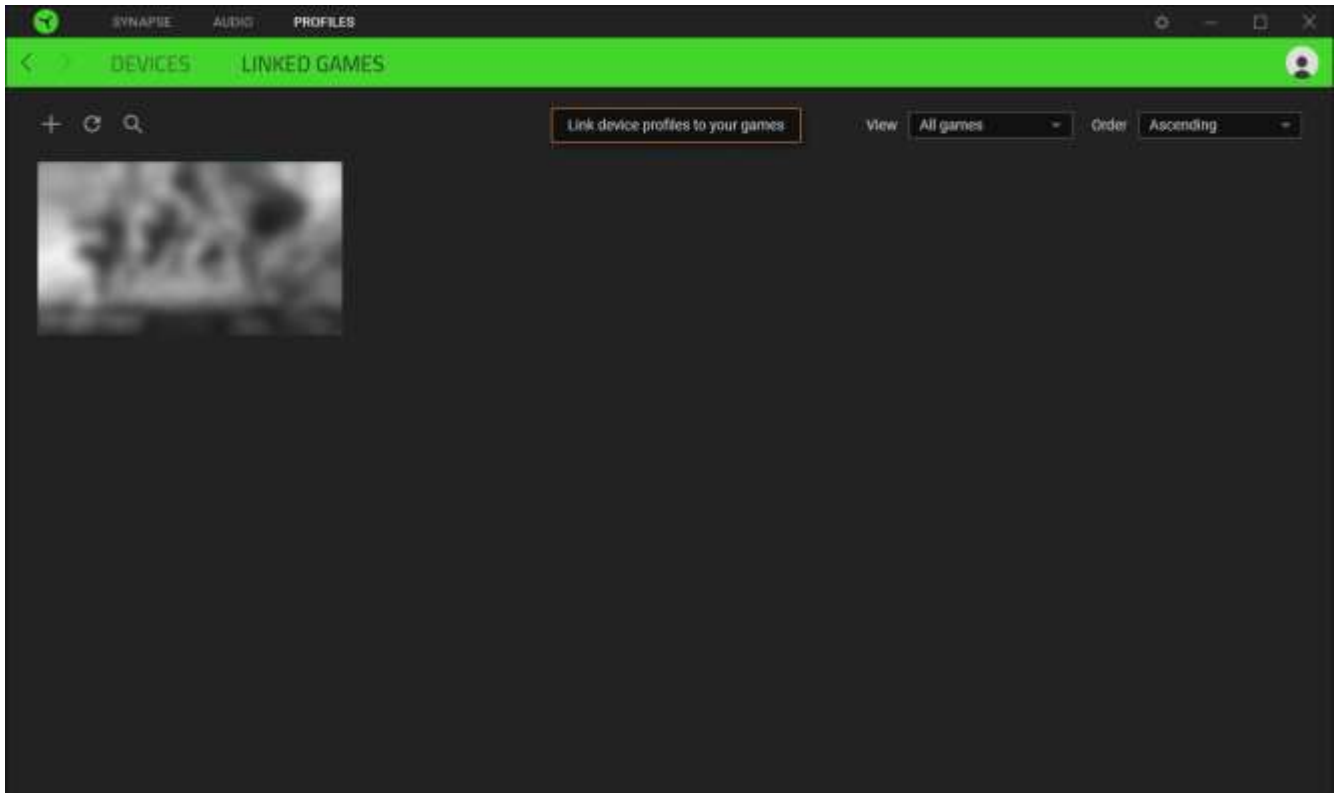
View which games are linked to each device's profiles or which Chroma Effect is linked to specific games using the Devices subtab.



You can import Profiles from your computer or 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 activate when you run an application using the Linked Games option.

Linked Games

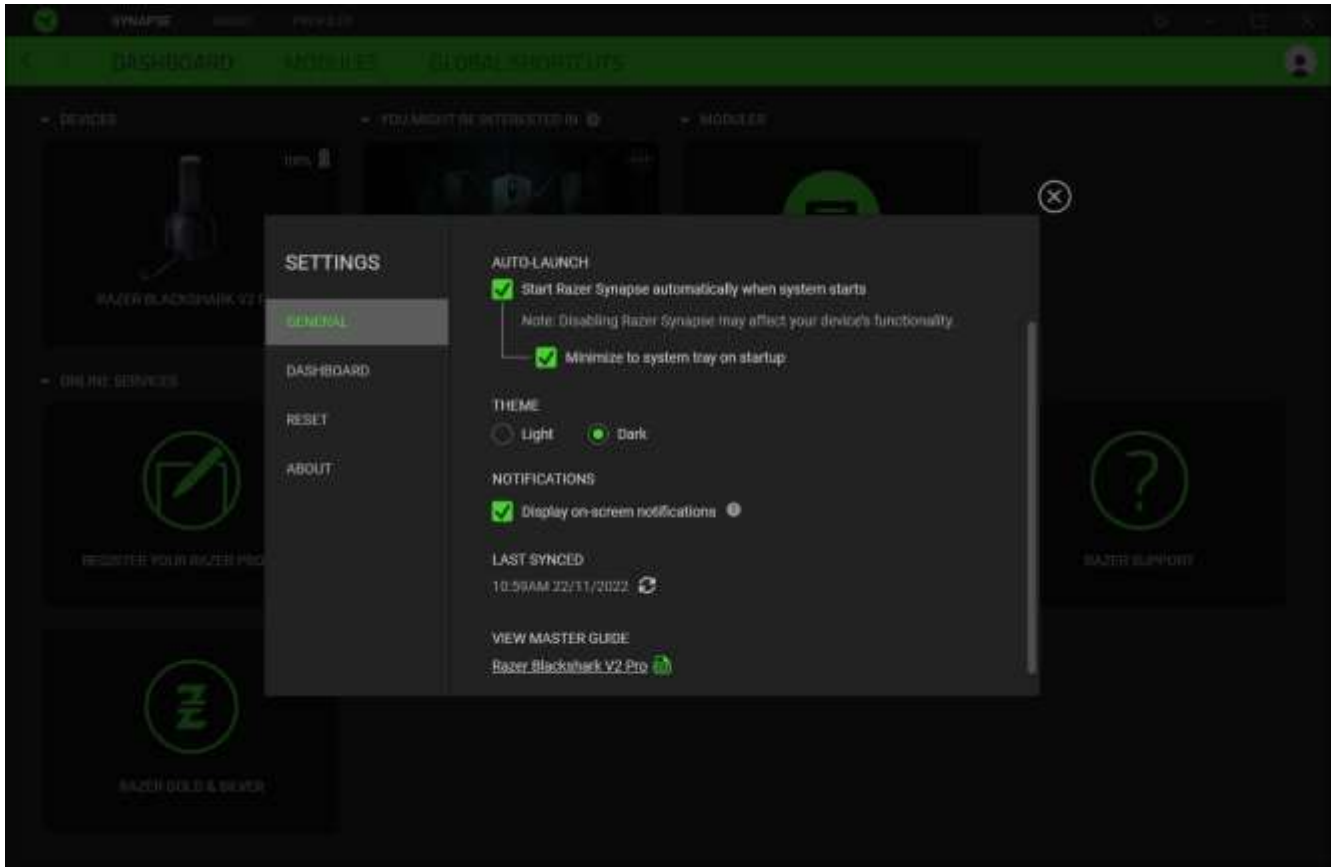
The Linked Games subtab allows you to add games, view devices linked to games, or search for added games. You can also sort games based on alphabetical order, last played, or most played. Added games will still be listed here, even if they are not linked to a Razer device.



To link games to connected Razer devices or Chroma Effects, 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 connected, you may click 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 a factory reset on any connected Razer device.



General tab

The General tab lets you change the software's display language, startup behavior, theme, and on-screen notifications. You may also manually sync your profiles to the cloud (↻) or view the master guide of all connected Razer devices and installed modules.

Dashboard tab

Use the Dashboard tab to customize which Razer device recommendations based on your setup, and the games you play will appear on the Dashboard.

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.



All profiles stored on the selected device's on-board memory will be erased when you reset a Razer device.

About tab

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

8. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

To achieve maximum safety while using your Razer BlackShark V2 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 assistance.

Don't take apart the device (doing so will void your warranty), and don't 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 to stabilize the temperature to an optimal level.

We recommend stretching the headset gently apart before placing them over your head to minimize headband stress. However, please avoid overstretching the headset beyond its technical limits.

The device isolates external ambient sounds even at low volumes, resulting in lowered awareness of your external surroundings. Please remove the device when engaging in activities requiring active awareness of your surroundings.

Listening to excessively loud volumes over extended periods can damage your hearing. Furthermore, legislation of certain countries permits a maximum sound level of 86db to affect your hearing for 8 hours a day. We, therefore, recommend that you reduce the volume to a comfortable level when listening for prolonged periods. Please, take good care of your hearing.

MAINTENANCE AND USE

The Razer BlackShark V2 Pro requires minimum maintenance to keep it in optimum condition. Once a month, we recommend you clean it using a soft cloth or cotton swab to prevent dirt buildup. Don't use soap or harsh cleaning agents.

BATTERY WARNING

The Razer BlackShark V2 Pro contains a Li-ion rechargeable battery. In general, the life expectancy of such batteries is dependent upon usage. If you suspect that the Li-ion rechargeable battery inside the Razer BlackShark V2 Pro may be drained (has a low charge), try charging it.

Caution: Don't open, mutilate, or expose to conducting materials (metal), moisture, liquid, fire, or heat. Doing so may cause batteries to leak or explode, resulting in personal injury. Battery life varies with usage.

9. LEGALESE

COPYRIGHT AND INTELLECTUAL PROPERTY INFORMATION

©2023 Razer Inc. All rights reserved. Razer, the triple-headed snake logo, Razer logo, and "For Gamers. By Gamers." are trademarks or registered trademarks of Razer Inc. and/or affiliated companies in the United States or other countries. All other trademarks are the property of their respective owners.

The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc., and any use of such marks by Razer is under license.

THX and the THX logo are trademarks of THX Ltd., registered in the U.S. and other countries.

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

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 guide. Furnishing of this guide does not give you a license to any such copyright, trademark, patent or other intellectual property right. The Razer BlackShark V2 Pro (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](https://www.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.