RAZER TIAMAT 7.1 V2

MASTER GUIDE

The **Razer Tiamat 7.1 V2** represents the pinnacle of total gaming audio immersion, by delivering surround sound through 10 discrete drivers – 5 in each ear cup. Dominate games that rely on pinpoint positional audio like first person shooters, where hearing exactly where your enemy is located can mean the difference between being the predator and the prey. An included audio control unit lets you personalize every aspect of sound, including a convenient toggle between the Razer Tiamat 7.1 V2 and any external speakers you may have. Finally, the headband construction and leatherette ear cushions deliver the most comfortable fit, for a premium listening experience like no other.

CONTENTS

1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

PACKAGE CONTENTS

- Razer Tiamat 7.1 V2 surround sound analog gaming headset
- Important Product Information Guide

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS

For stereo sound

- Earphone-out port
- Microphone-in port
- USB 2.0 port

For 7.1 surround sound

- Earphone-out / front port
- Microphone-in port
- Center / subwoofer port
- Rear surround port
- Side surround port
- USB 2.0 port

SOFTWARE REQUIREMENTS

- Windows®7 (or higher)*
- Internet connection
- 500 MB of free hard disk space

Features may vary between Operating Systems

2. REGISTRATION / TECHNICAL SUPPORT

REGISTRATION

Register your product online at <u>razerzone.com/registration</u> to get real-time information on your product's warranty status.

If you haven't registered for a Razer ID yet, register now at <u>razerzone.com/razer-id</u> to get a wide range of Razer benefits.
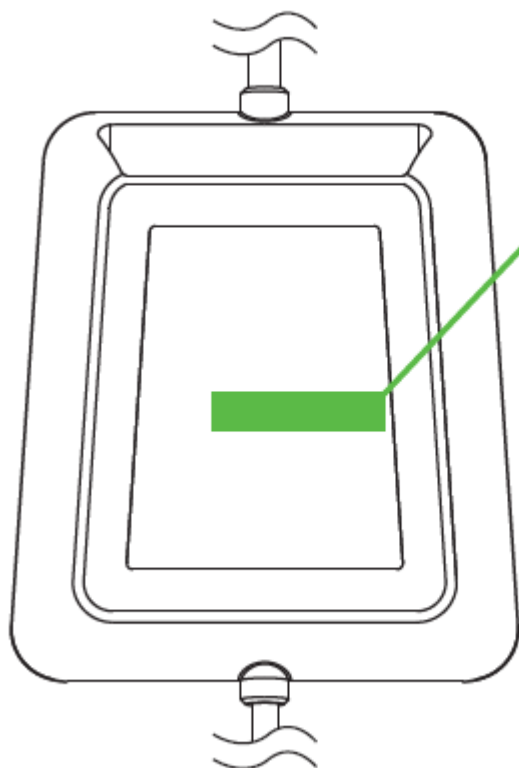
Your product's serial number can be found here.

Bottom view of audio control unit

TECHNICAL SUPPORT

What you'll get:

- 1 year limited manufacturer's warranty.
- Free online technical support at <u>razersupport.com</u>.

3. TECHNICAL SPECIFICATIONS

HEADPHONES

10 discrete Neodymium magnet drivers.

Each ear cup contains:

SUBWOOFER:

- 40 mm Neodymium magnet with Titanium coated diaphragm
- Frequency response: 20 Hz – 20 kHz
- Impedance: 16 Ω
- Sensitivity @ 1 kHz: 118 dB ± 3dB

FRONT:

- 30 mm Neodymium magnet
- Frequency response: 20 Hz - 20,000 Hz
- Impedance: 32 Ω
- Sensitivity @ 1 kHz: 115 dB ± 3 dB

REAR:

- 20 mm Neodymium magnet
- Frequency response: 20 Hz - 20,000 Hz
- Impedance: 32 Ω
- Sensitivity @ 1 kHz: 118 dB ± 3 dB

CENTER:

- 30 mm Neodymium magnet
- Frequency response: 20 Hz - 20,000 Hz
- Impedance: 32 Ω
- Sensitivity @ 1 kHz: 115 dB ± 3 dB

SIDE:

- 20 mm Neodymium magnet
- Frequency response: 20 Hz - 20,000 Hz
- Impedance: 32 Ω
- Sensitivity @ 1 kHz: 118 dB ± 3 dB

MICROPHONE

- Frequency response: 100 – 10,000 Hz
- Sensitivity @1 kHz: -38 dB ± 3 dB
- Signal-to-noise ratio: 55 dB
- Pick-up pattern: Unidirectional ECM microphone

AUDIO CONTROL UNIT

Master volume, front speakers, center speakers, subwoofers, side speakers, rear speakers, microphone volume, microphone mute, audio mute, 7.1 surround sound / 2.0 stereo mode toggle and speaker / headset toggle

CABLE

- 3 m / 9.8 ft, braided fiber cable
- USB Connector for power
- PC connector: 3.5 mm microphone jack, 4 x 3.5 mm audio jacks
- External speaker connector: 4 x 3.5 mm audio jacks

4
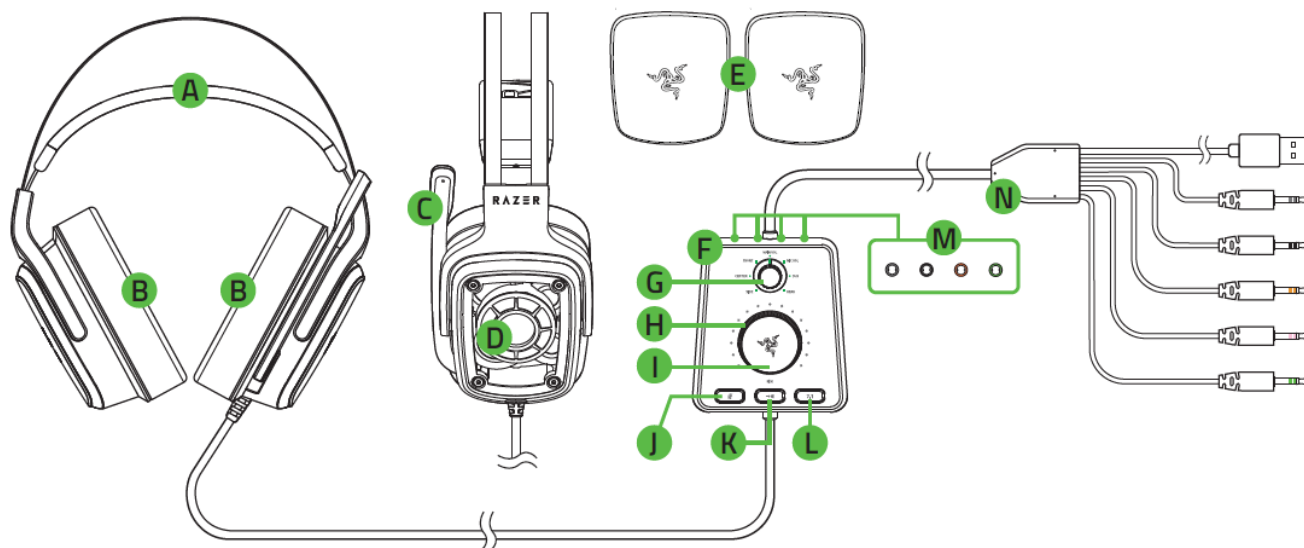
A. Adjustable padded headband

B. Circumaural, leatherette ear cushions

C. Foldable unidirectional microphone

D. 7.1 drivers with customizable backlighting

E. Removable earcup covers

F. Audio control unit

G. Sound channel selector

H. Volume control

I. Audio mute / unmute button

J. Microphone mute / unmute button

K. Headset / speakers toggle button

L. 7.1 / 2.0 channel toggle button

M. External speaker ports

- Side surround
- Rear surround
- Center / subwoofer
- Stereo / front

N. PC connector cables

- Gold-plated USB connector
- Side surround
- Rear surround
- Center / subwoofer
- Microphone-in
- Earphone-out / front

4. SETTING UP YOUR RAZER TIAMAT 7.1 V2

7.1 SURROUND SOUND SETUP

As a surround sound headset, the Razer Tiamat 7.1 V2 provides true audio positioning for a realistic gaming experience. The following setup is compatible for desktop computers that support multichannel audio outputs and a dedicated microphone input. To start off, connect the PC connector cables to your computer.
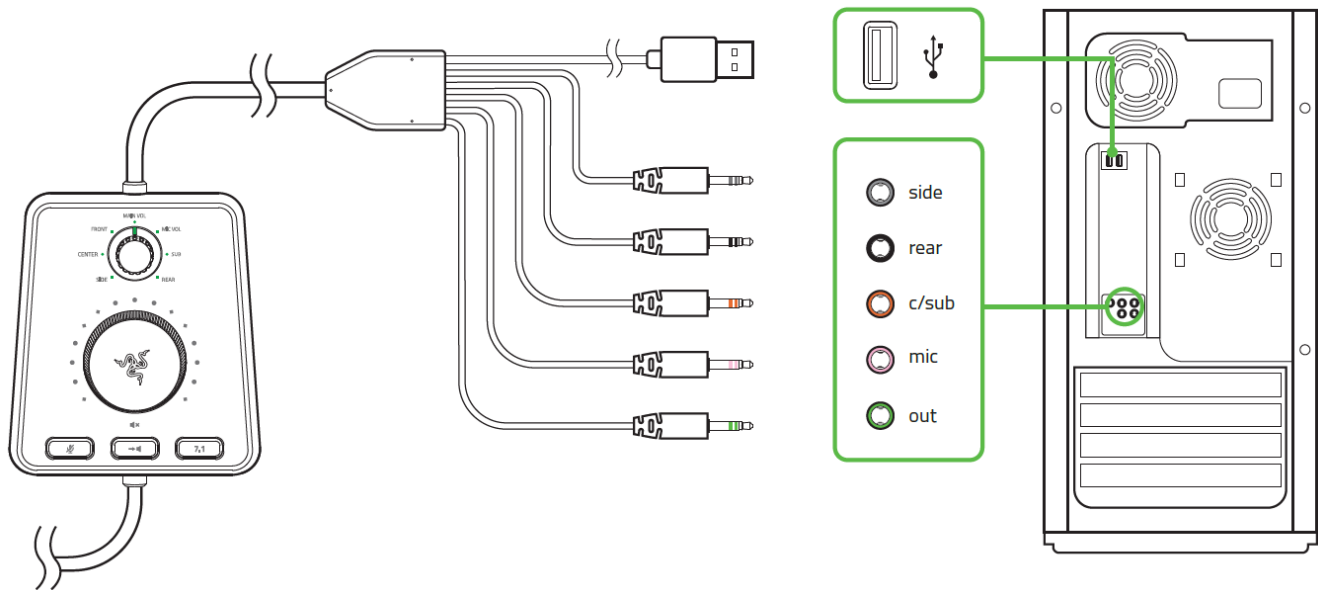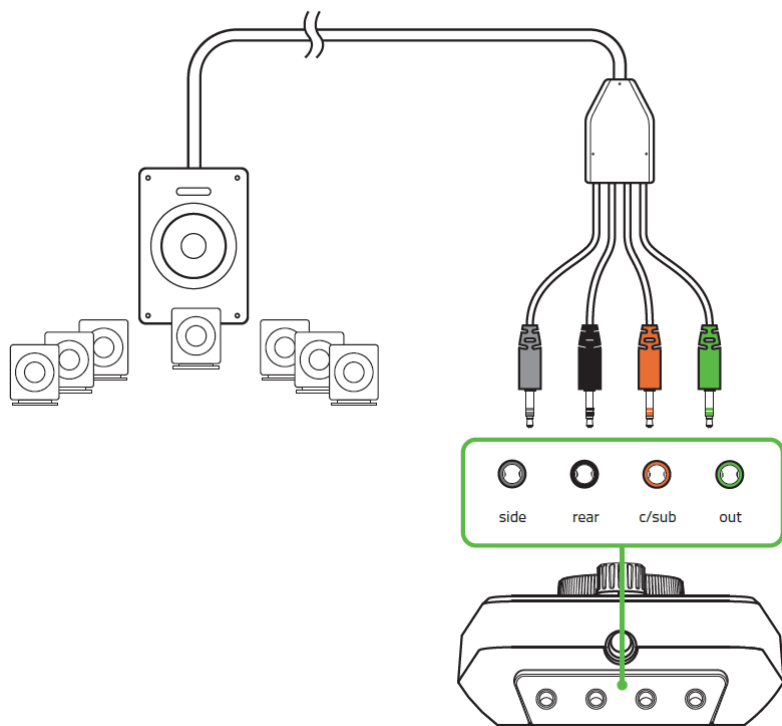

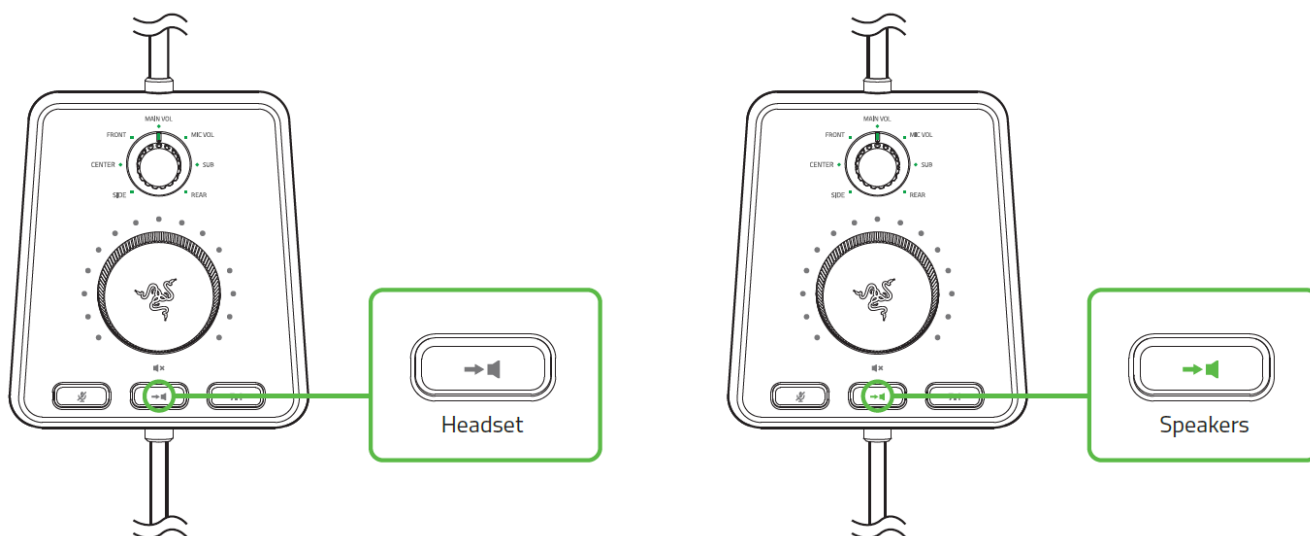Then, make sure that the audio control unit is set to 7.1 mode.
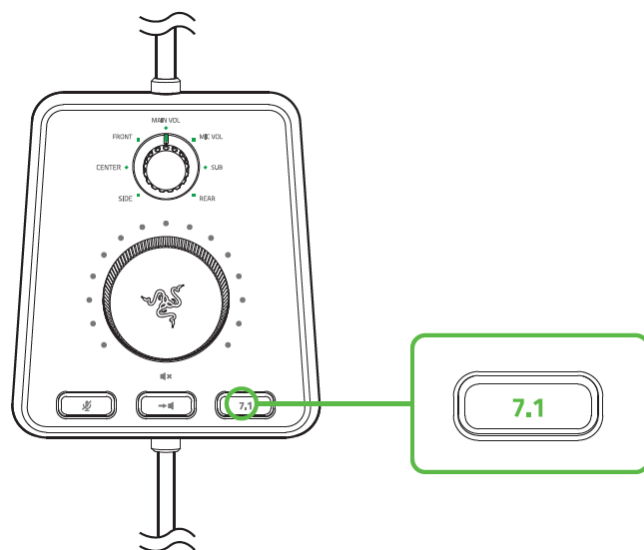
OPTIONAL 7.1 EXTERNAL SPEAKERS SETUP

As an added feature, you can use the external speaker ports to connect an external set of speakers to the audio control unit.
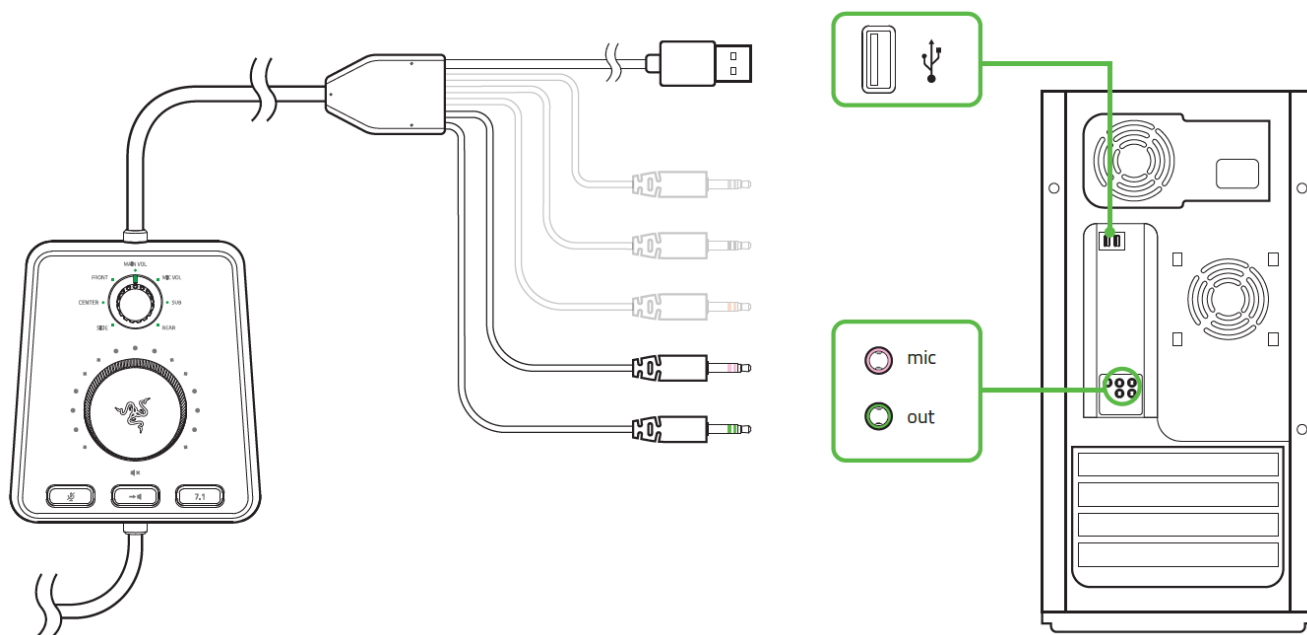

This allows you to use the headset / speakers toggle button to quickly switch between the Razer Tiamat 7.1 V2 and an external surround sound speaker system.

STEREO SETUP

As a stereo headset, the Razer Tiamat 7.1 V2 provides audio clarity and deep bass that is essential when listening to music. The following setup is intended for laptops, desktop computers, or portable devices that have a single audio output and a microphone input. To start off, connect the audio control unit to your computer.

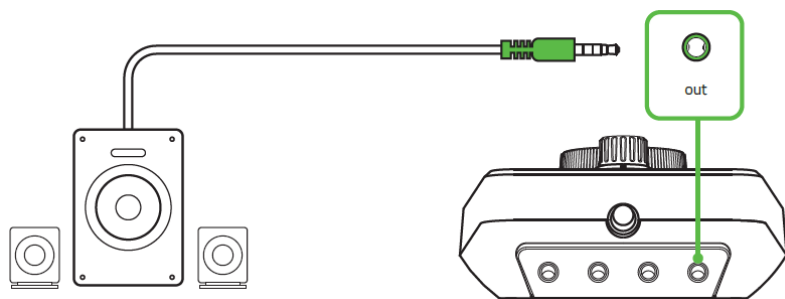Then, make sure that the audio control unit is set to 2.0 mode.
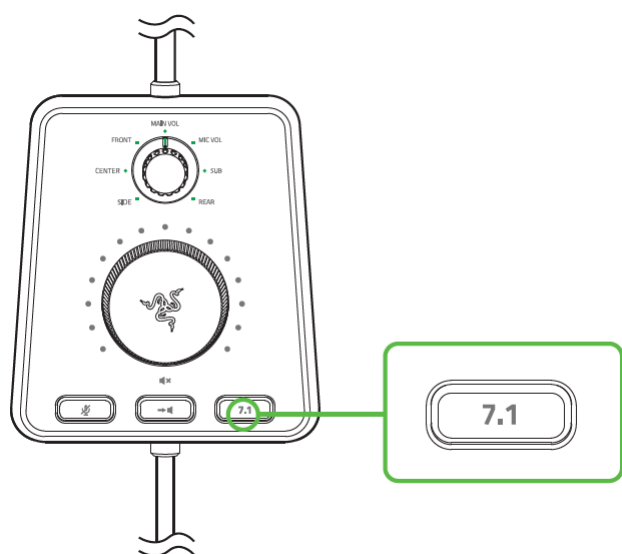
OPTIONAL EXTERNAL STEREO SPEAKERS SETUP

As an added feature, you can use the external speaker ports to connect an external set of stereo speakers to the audio control unit.

This allows you to use the headset / speakers toggle button to quickly switch between the Razer Tiamat 7.1 V2 and an external stereo speaker system as shown in Fig. 8.
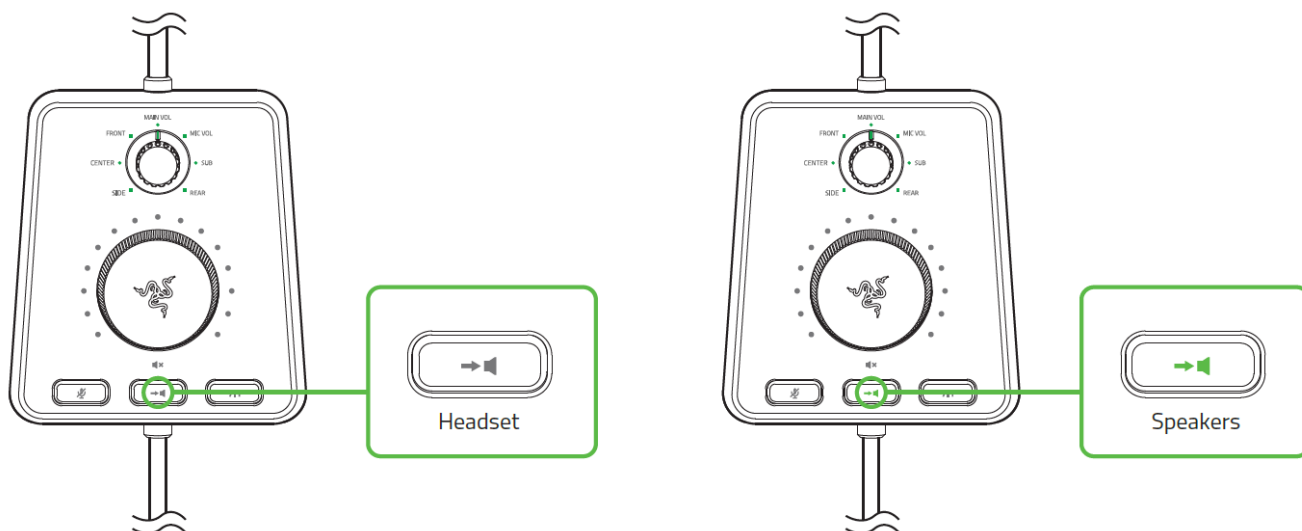
5. USING YOUR RAZER TIAMAT 7.1 V2

MUTING THE HEADSET AUDIO

To quickly mute the headset, simply press the center of the volume control.
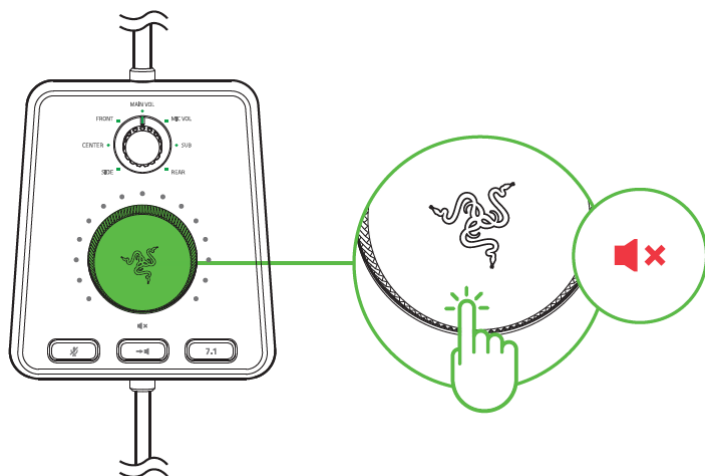
7.1 VOLUME ADJUSTMENT

When the headset is set to 7.1 mode, each channel's volume can be generally or individually adjusted using the audio control unit.

INCREASING / DECREASING THE VOLUME FOR ALL CHANNELS

To increase or decrease the volume of the entire headset, simply select MAIN VOL then rotate the volume control.

INCREASING / DECREASING THE VOLUME FOR SPECIFIC CHANNELS

To increase or decrease a specific channel's volume, select the desired channel using the audio control unit then rotate the volume control.
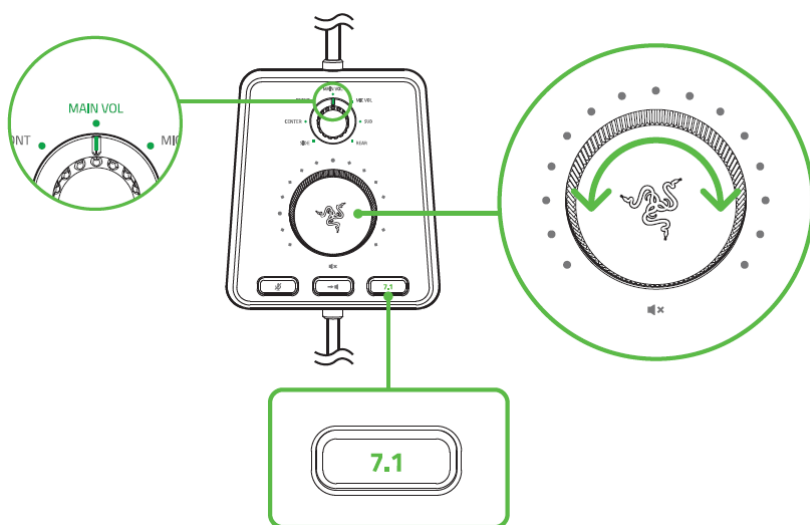

7.1

STEREO VOLUME ADJUSTMENT

When the headset is set to 2.0 mode, the headset's volume can be adjusted using the audio control unit.

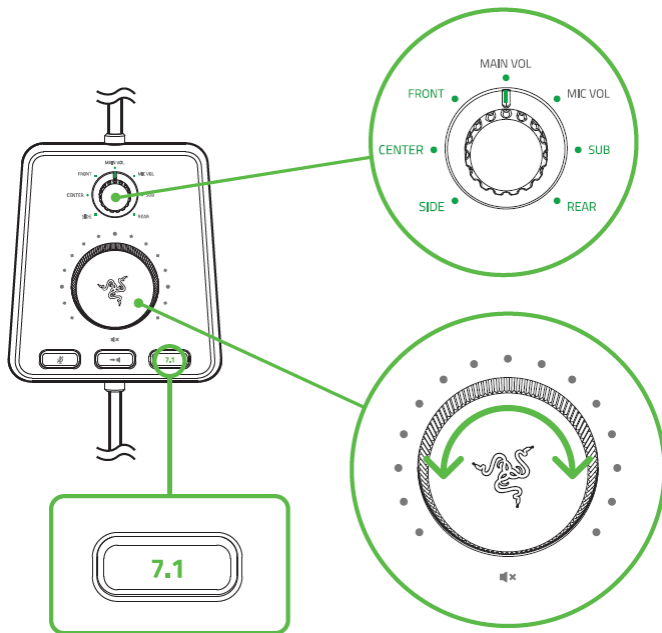## INCREASING / DECREASING THE VOLUME

To increase or decrease the volume, simply select MAIN VOL then rotate the Volume Control as shown in Fig. 12.

7.1
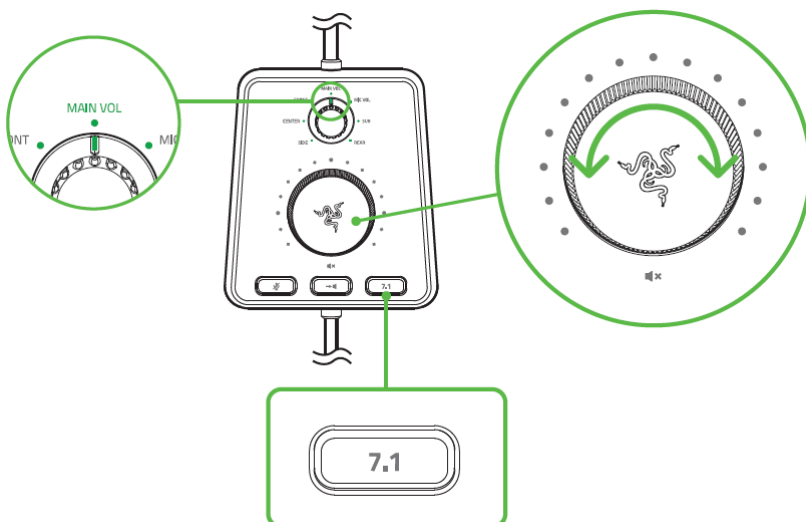
USING THE MICROPHONE

The Razer Tiamat 7.1 V2 features a unidirectional microphone that can be positioned for maximum vocal clarity.
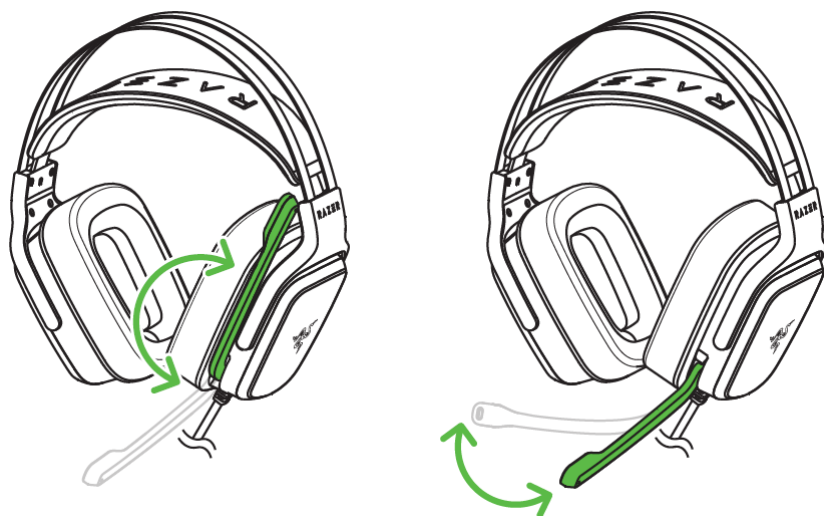
MICROPHONE VOLUME ADJUSTMENT

The Razer Tiamat 7.1 V2 has a dedicated microphone volume control located in the audio control unit.

Increasing / Decreasing the Volume

To increase or decrease the microphone's volume, simply select MIC VOL then rotate the Volume Control.
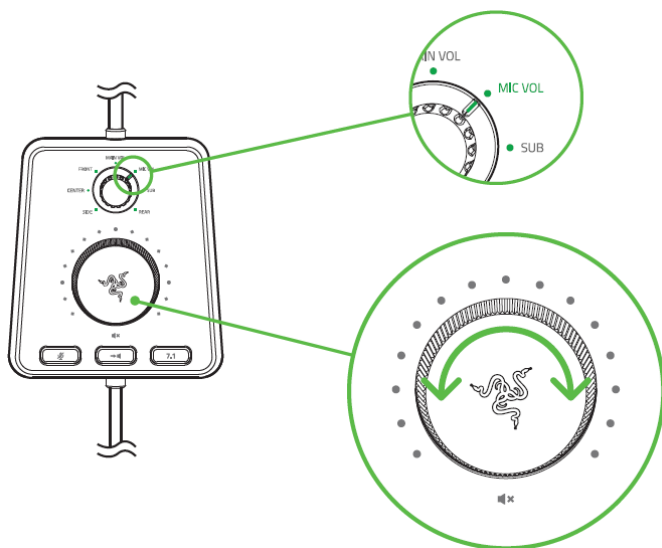
Muting the Microphone

To quickly mute the microphone, simply press the microphone mute button on the audio control unit.
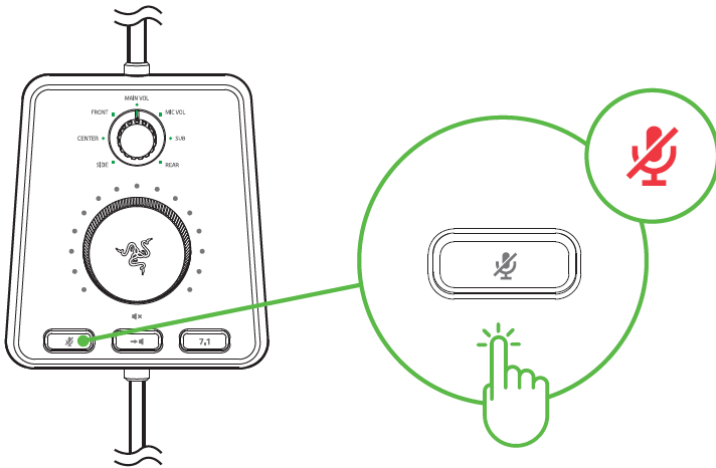
EXTENDING YOUR HEADSET'S LIFESPAN

We recommend gently stretching the headset apart before placing it over your head to minimize headband stress. Please avoid overstretching the headset beyond its technical limits.
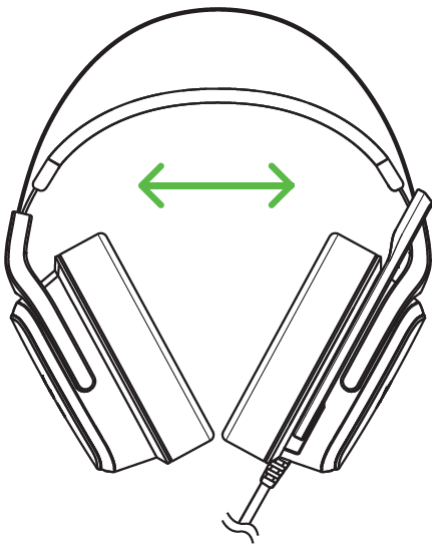
6. INSTALLING RAZER SYNAPSE FOR YOUR RAZER TIAMAT 7.1 V2
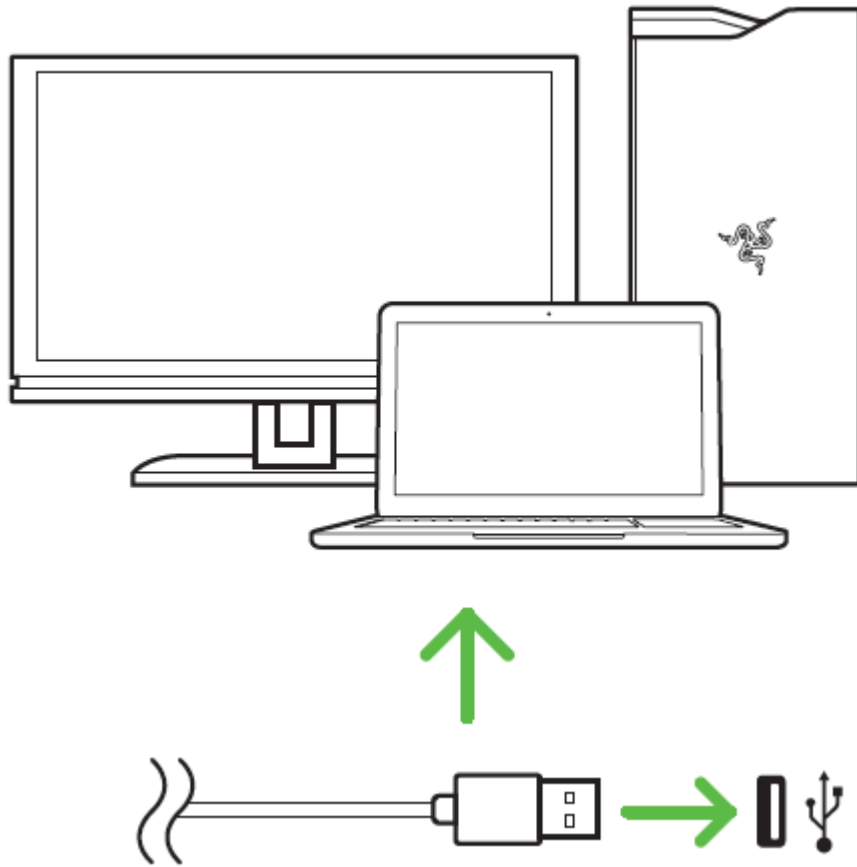
Step 1: Make sure your Razer Tiamat 7.1 V2 is connected to the USB port of your computer.

Step 2: Install Razer Synapse when prompted* or download the installer from razerzone.com.

Step 3: Register for a Razer ID or log into Razer Synapse with an existing Razer ID.

Applicable for Windows 8 or later

7. CONFIGURING YOUR RAZER TIAMAT 7.1 V2

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

Your Razer Tiamat 7.1 V2 headset is equipped with various software customizable features to unleash its full potential.

HEADSET TAB

The Headset Tab is your default tab when you first install Razer Synapse. This tab allows you to customize your device's profiles and lighting.
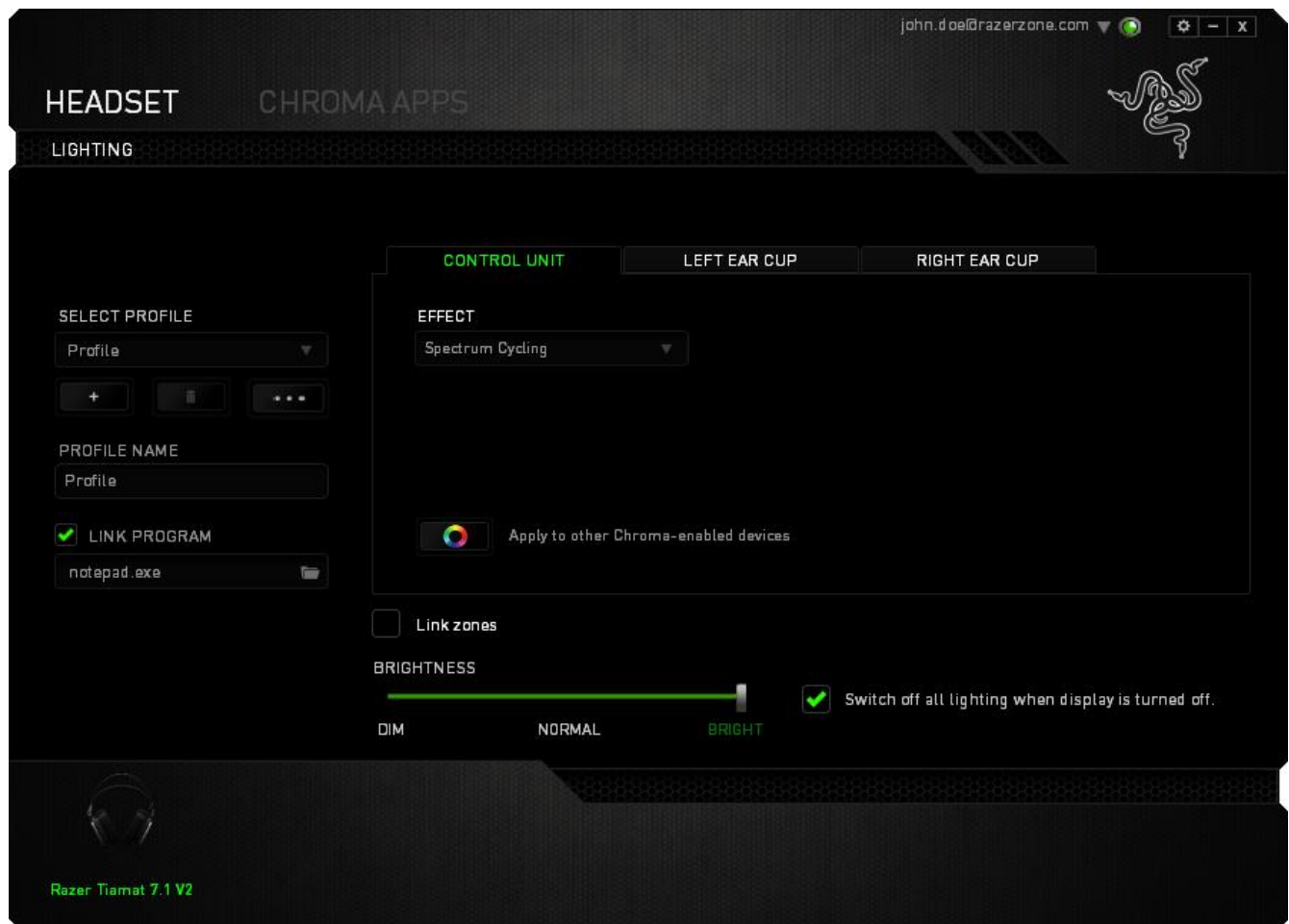
LIGHTING TAB

The Lighting tab enables you to customize the look of your Razer device by allowing you to choose from various lighting effects or fully customizing your own. These effects can also be synchronized with other Powered by Razer Chroma devices that support the selected effect.

Note: Only devices that support the selected lighting will synchronize.
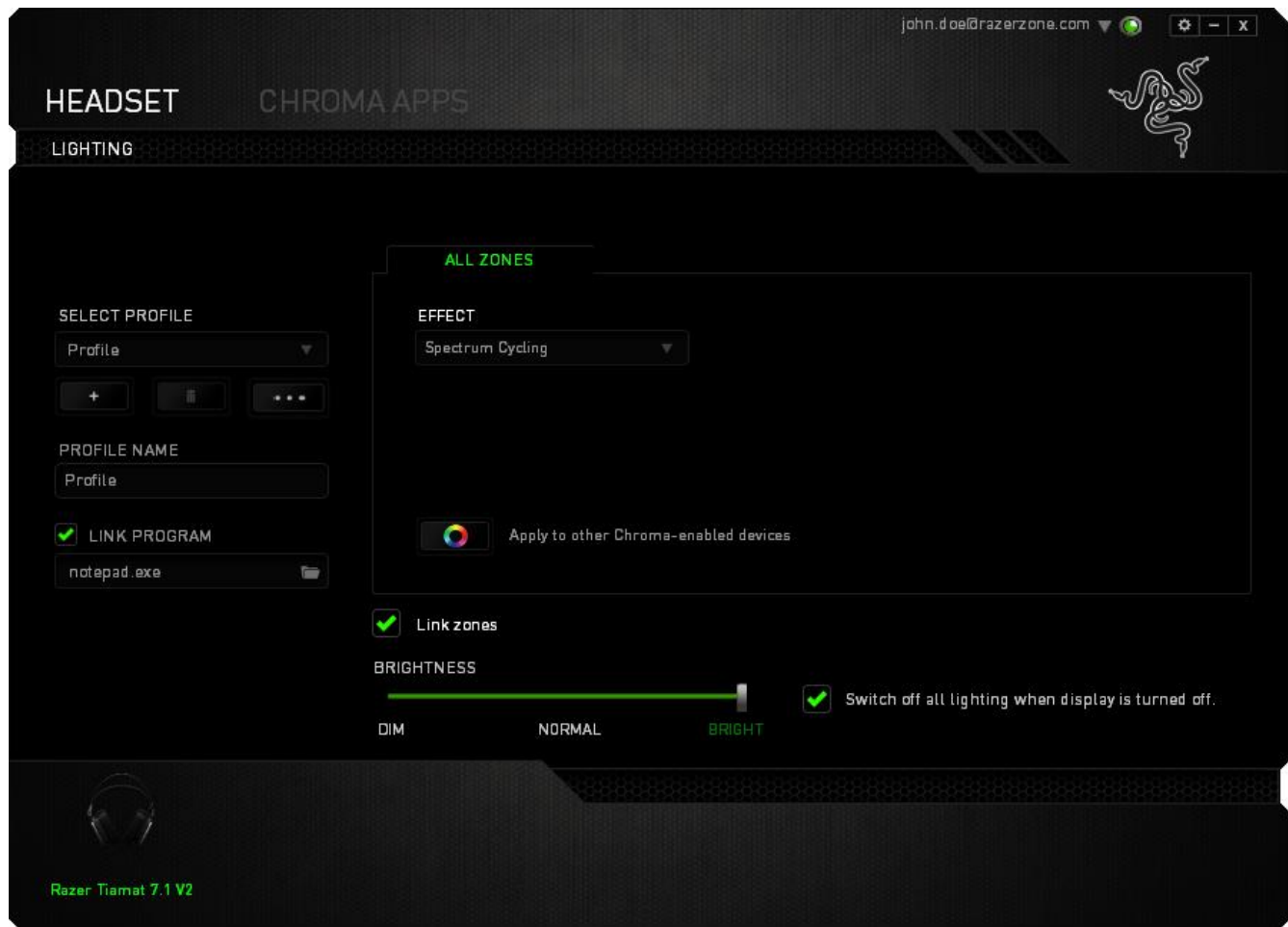
You can individually select an effect for the control unit, left ear cup, and right ear cup or use a single effect for all zones by selecting *Link zones*. Additionally, you can adjust the brightness of the lighting and set to turn off all lighting on the device when your monitor is turned off. Any changes made here is automatically saved to your PC and stored into the cloud servers.

Lighting Effects

	Name	Description	How to set up
	Name	Description	How to set up
	Breathing	The lighting fades in and out of the selected color(s)	Select up to 2 colors or randomize
	Spectrum cycling	The LEDs will cycle between 16.8 million colors indefinitely	No further customization required
	Static	The LEDs will remain lit in the selected color	Select a color
	Wave*	The lit volume LEDs will scroll in the direction selected	Select either left-to-right or right-to-left wave direction

Only applicable for the audio control unit

CHROMA APPS TAB

The Chroma Apps Tab allows 3rd party apps to access your Chroma-enabled devices and unlock additional features when using particular games or applications.

Settings Tab

To enable the Chroma Apps function, click `ON` and visit razerzone.com/chroma-workshop to download an app.
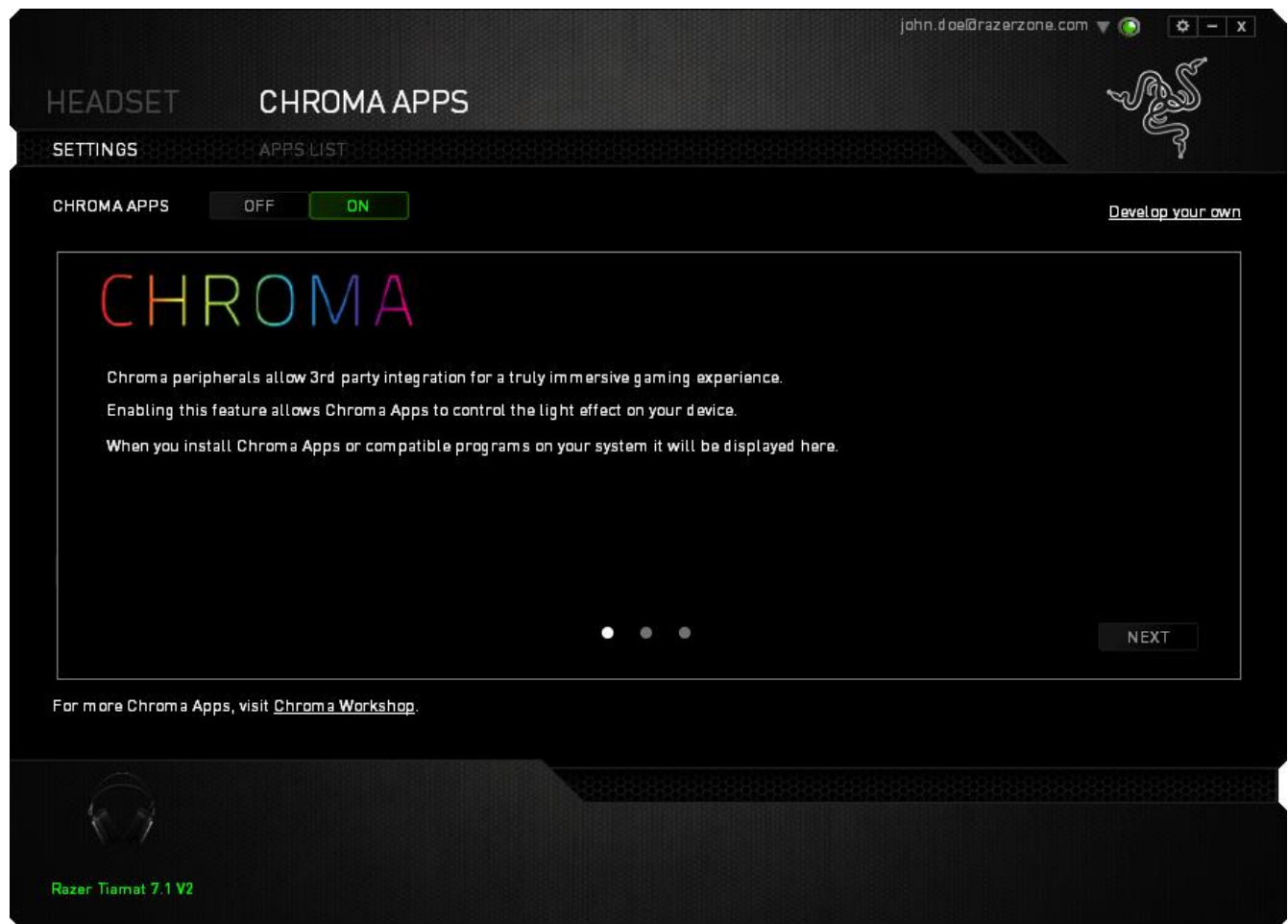
Apps List Tab

The Apps list is where all your Chroma apps are listed. From this tab you can view additional information regarding a particular Chroma app by double-clicking it on the list or selecting the

Chroma app and clicking [pencil icon]. You can also rearrange the list using drag-and-drop or by clicking [up arrow icon] and [down arrow icon].
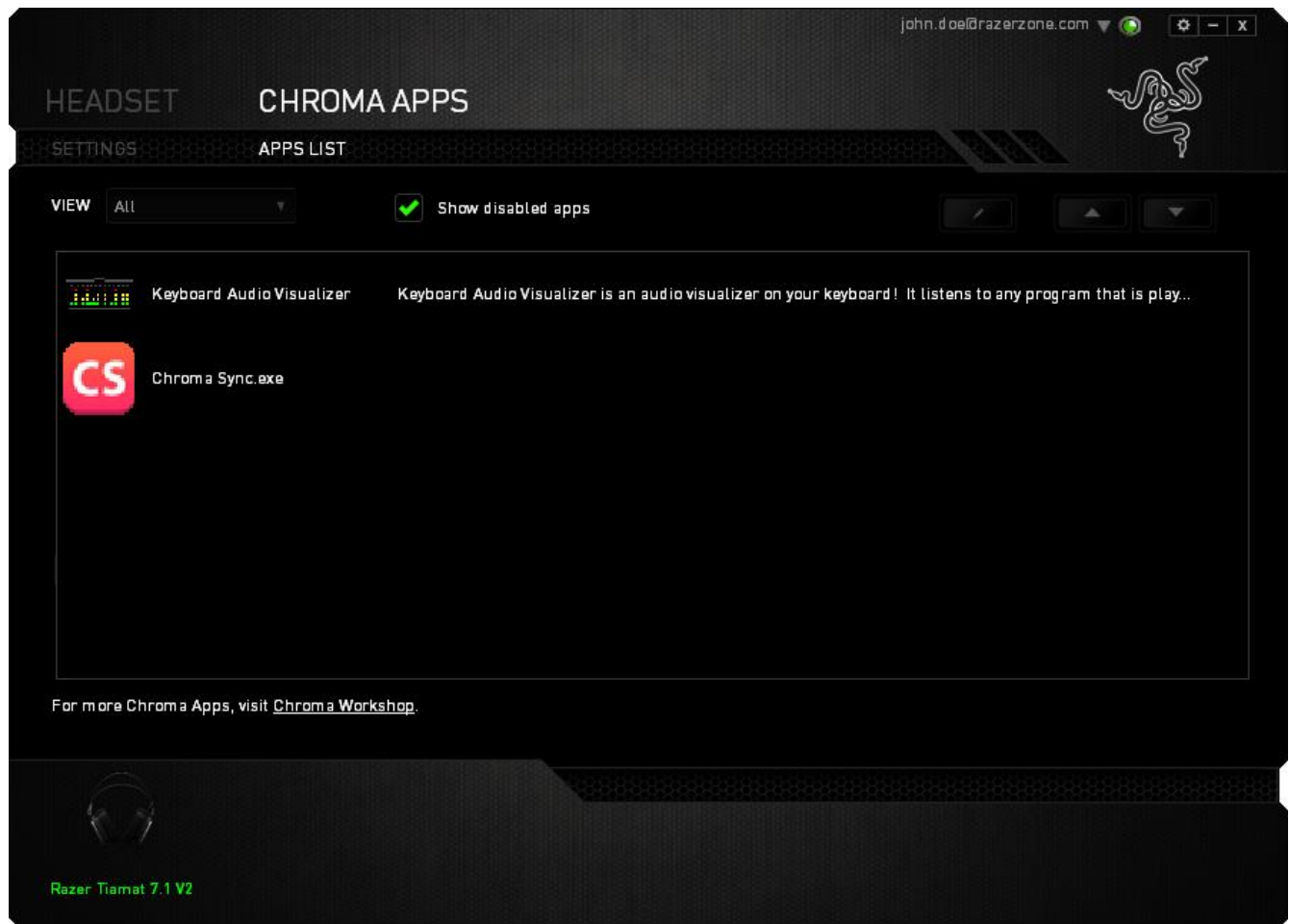
To disable a Chroma app, open the additional information window of that app and click [OFF] .
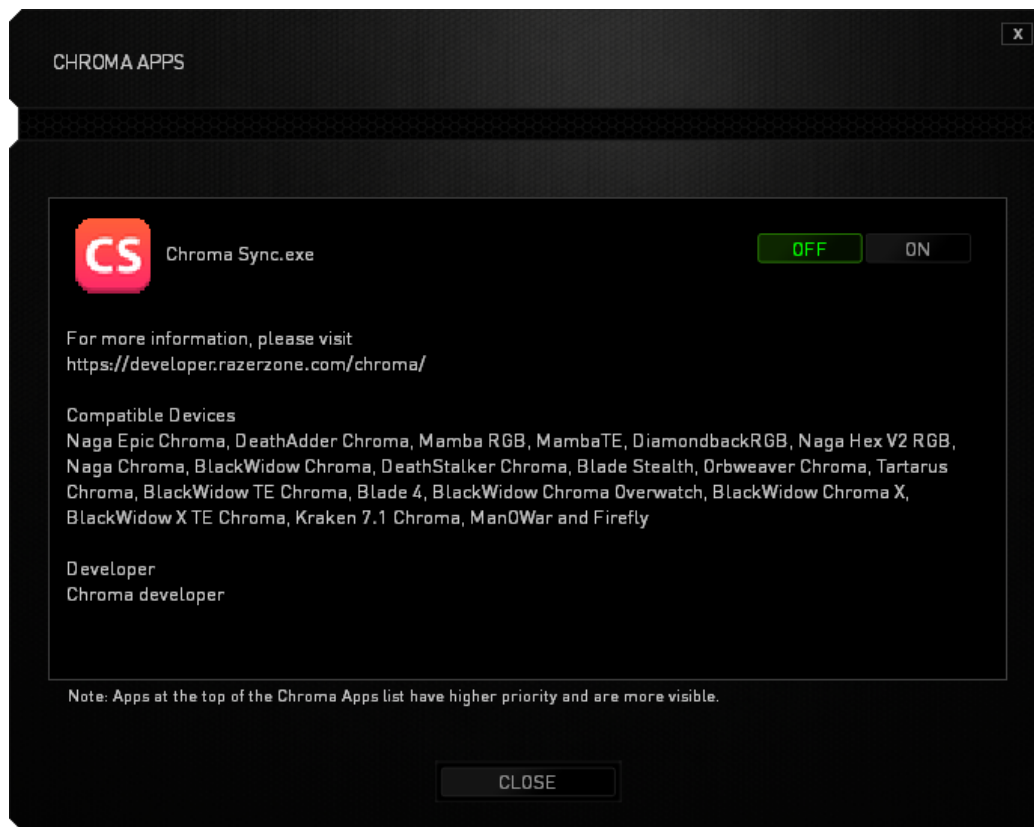
You may also disable the Chroma app by right-clicking on the app from the list and click
[Disable '...'] .

8. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer Tiamat 7.1 V2, we suggest that you adopt the following guidelines:

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

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

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.

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 any activities that requires active awareness of your surroundings.

Listening to excessively loud volumes over extended periods of time 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 of time. Please, take good care of your hearing.

MAINTENANCE AND USE

The Razer Tiamat 7.1 V2 requires minimum maintenance to keep it in optimum condition. Once a month we recommend you unplug the device from the computer and clean it using a soft cloth or cotton swab with a bit of warm water to prevent dirt buildup. Do not use soap or harsh cleaning agents.

9. LEGALESE

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