



RAZER KRAKEN 7.1 V2

MASTER GUIDE

Featuring an advanced 7.1 Virtual Surround Sound engine delivering pinpoint positional audio, powerful 50 mm Razer™ custom tuned drivers for gaming, and sound-isolating circumaural ear cushions for truly immersive audio realism, the **Razer Kraken 7.1 V2** is engineered to take your gaming experience to the next level. An active noise-cancelling mic gives you unprecedented clarity for critical commands. The optimized form factor has a durable, lightweight, bauxite aluminum headband, and interchangeable ear cushions so you can customize the level of comfort you want.

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1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

PACKAGE CONTENTS

- Razer Kraken 7.1 V2 digital gaming headset
- Important Product Information Guide

SYSTEM REQUIREMENTS

- PC / Mac / PlayStation® 4 with a free USB port
- Windows® 7 / Mac OS X 10.9 (or higher)
- Internet connection
- At least 100MB of free hard disk space



Only Spectrum cycling lighting effect and 2.0 stereo audio output is available on PlayStation®4. 7.1 virtual surround is available on PC and Mac, enabled with Razer Synapse software installation

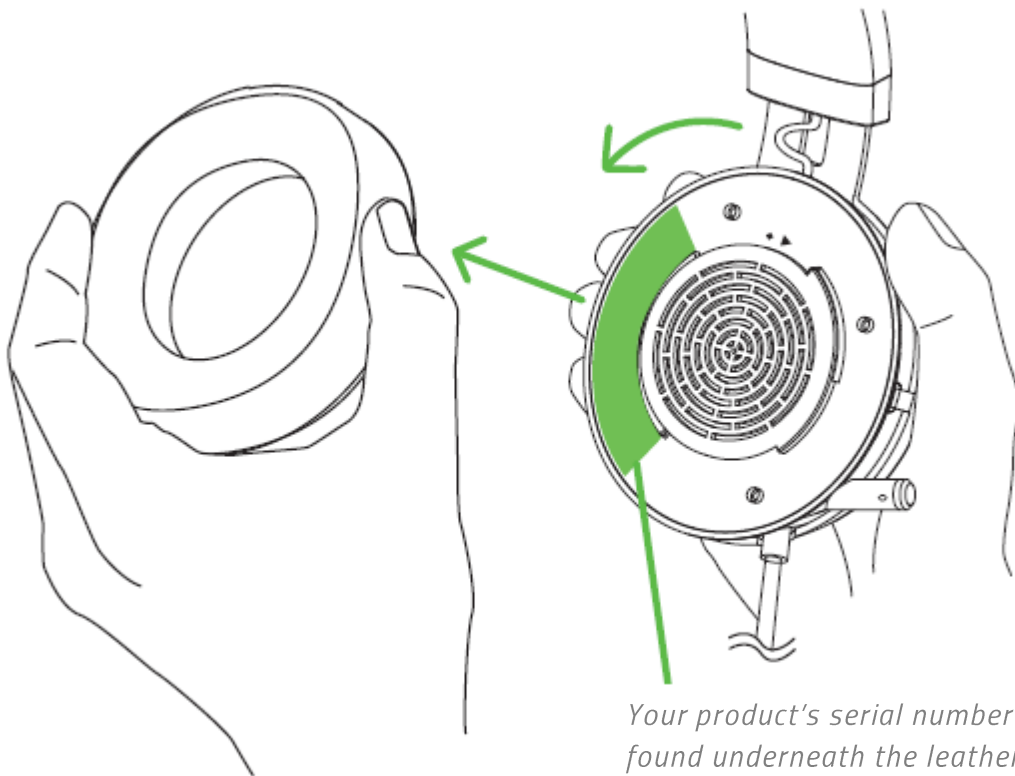
2. REGISTRATION / TECHNICAL SUPPORT

REGISTRATION

Visit razerzone.com/razer-id to sign up for a Razer ID now to get a wide range of Razer benefits. For example, get real-time information on your product's warranty status via Razer Synapse. To learn more about Synapse and all its features, visit razerzone.com/synapse.

If you are already a Synapse user, register your product by clicking on your email address at the Synapse application and select Warranty Status from the dropdown list.

To register your product online, visit razerzone.com/registration. Please note that you will not be able to view your warranty status if you register via the website.



Your product's serial number can be found underneath the leatherette cushion, as shown here.

TECHNICAL SUPPORT

What you'll get:

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

3. TECHNICAL SPECIFICATIONS

HEADPHONES

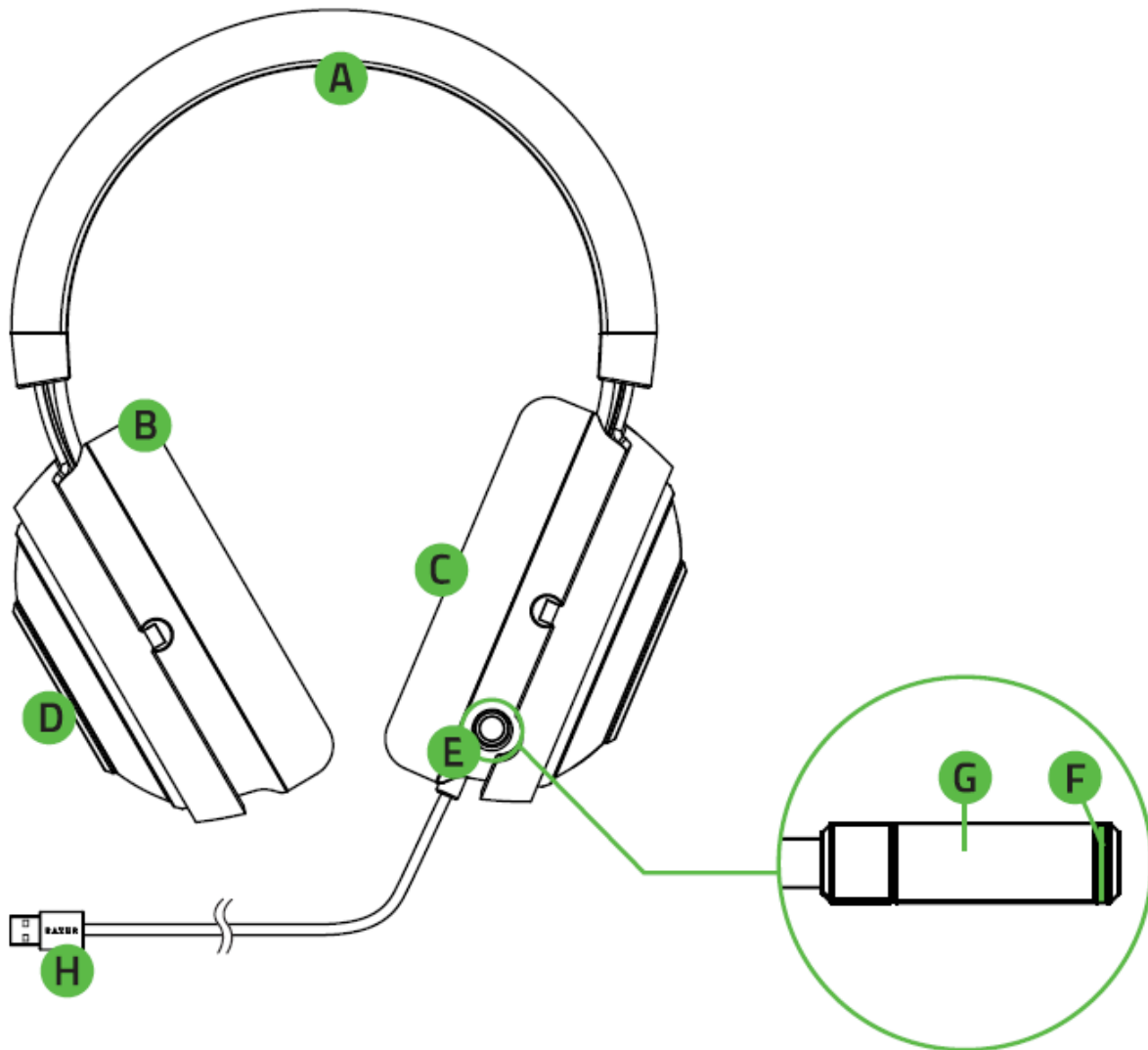
- Frequency response: 12 Hz – 28 kHz
- Impedance: 32 Ω @ 1 kHz
- Sensitivity (@1 kHz): 123 dB
- Input power: 30 mW (Max)
- Drivers: 50 mm, with Neodymium magnets
- Inner ear cup diameter: 56 mm / 2.2 in
- Connection type: analog USB Digital
- Cable length: 2 m / 6.6 ft
- Approximate weight: 346 g / 0.76 lbs

MICROPHONE

- Frequency response: 100 Hz – 10 kHz
- Signal-to-noise ratio: > 55 dB
- Sensitivity (@1 kHz): -38 ± 3 dB
- Pick-up pattern: Active noise-cancelling*, unidirectional MEMS boom

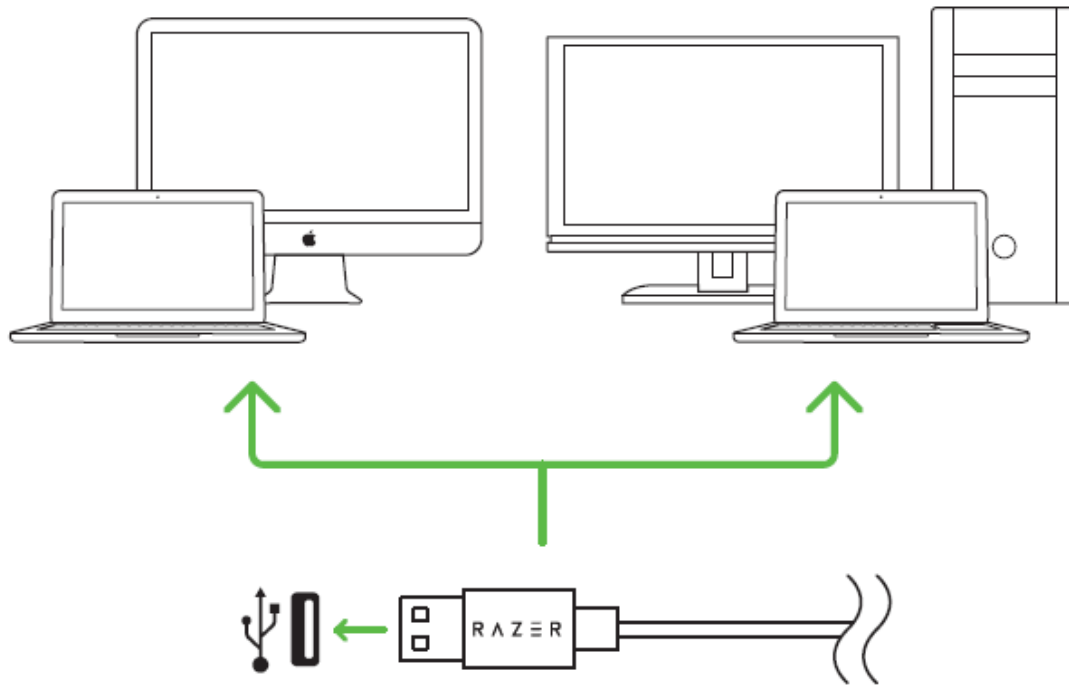
**Available on PC Only*

4. DEVICE LAYOUT



- A. Adjustable padded headband
- B. Circumaural ear cup design
- C. Leatherette ear cushions
- D. Multi-color LED logo lighting
- E. Fully-retractable mic with active noise cancellation
- F. Microphone mute/unmute LED
- G. Microphone mute/unmute button
- H. USB connector

5. INSTALLING RAZER SYNAPSE FOR YOUR RAZER KRAKEN 7.1 V2



Step 1: Connect your Razer device to the USB port of your computer.

Step 2: Install Razer Synapse when prompted* or download the installer from [razerzone.com/synapse](https://www.razerzone.com/synapse).

Step 3: Create your Razer ID or log into Razer Synapse with an existing account.

**Applicable for Windows 8 or later.*

Notes:

- *The Razer Kraken 7.1 V2 headset works out of the box as a stereo headset; to achieve 7.1 surround sound, please install Razer Synapse to set up virtual 7.1 surround sound.*
- *By default, the Razer Kraken 7.1 V2 is set to spectrum cycling. To customize the lighting, please install Razer Synapse.*
- *The mic active noise cancellation feature for use in noisy gaming environments can be enabled from the Mic tab within Razer Synapse.*

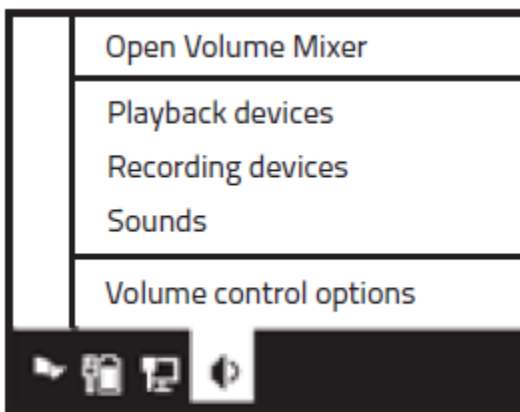
6. USING YOUR RAZER KRAKEN 7.1 V2

SETTING THE DEFAULT PLAYBACK DEVICE

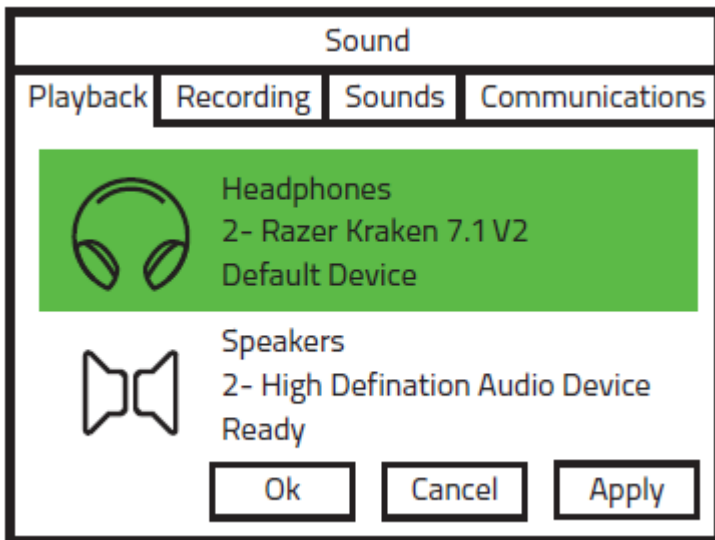
If you are using the Razer Kraken 7.1 Chroma headset for the first time, you may be required to set up the device as your system's default playback device.

FOR WINDOWS USERS

Step 1: Open your **Sound** settings from **Control Panel > Hardware and Sound > Manage audio devices**. You can also right-click your sound icon on the system tray and select **Playback devices**.

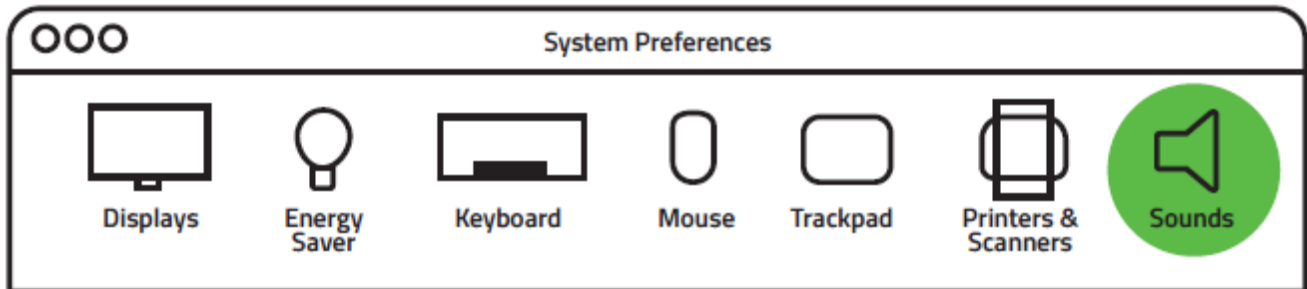


Step 2: In the *Playback* tab, select Razer Kraken 7.1 Chroma from the list and click the **Set Default** button.

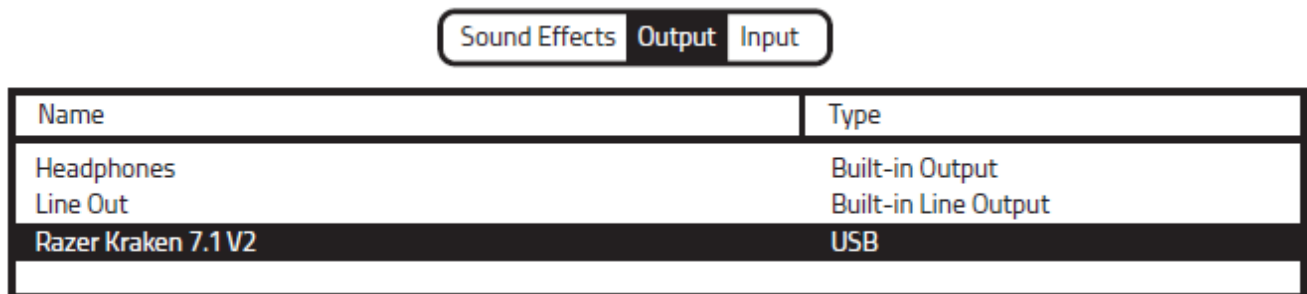


FOR MAC USERS

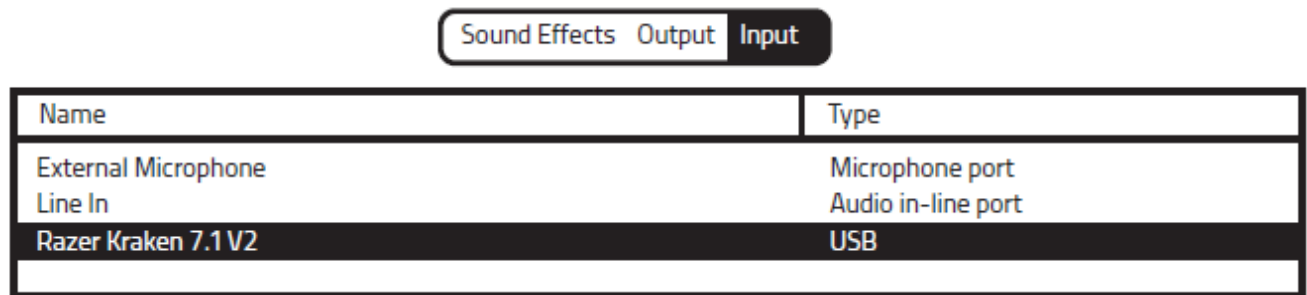
Step 1: Open your **Sound** settings from **System Preferences > Sound**.



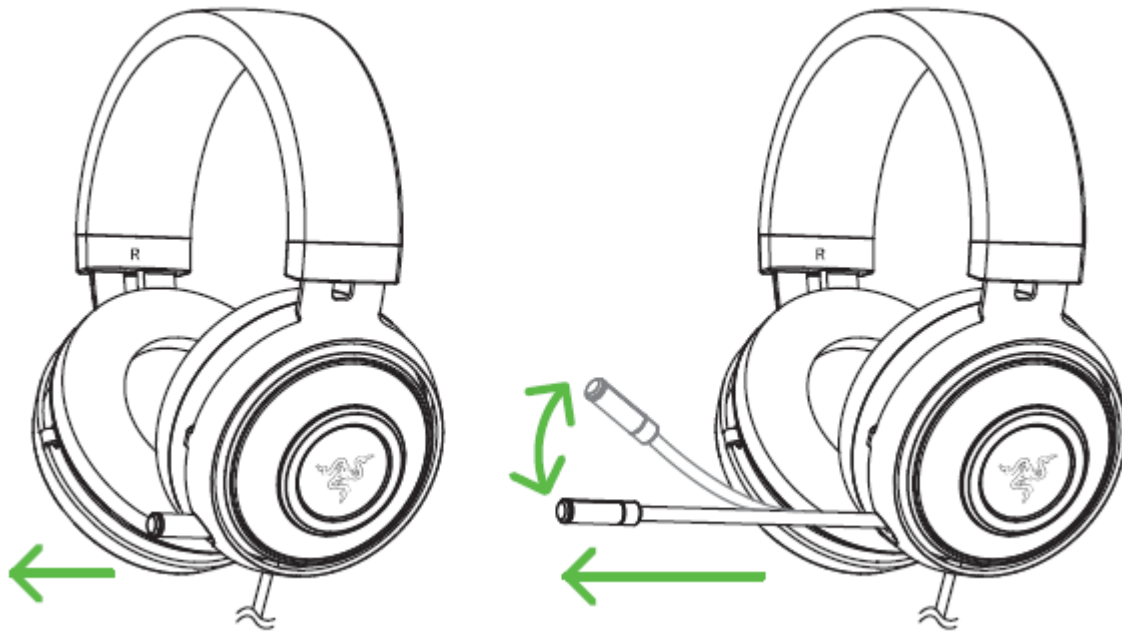
Step 2: In the *Output* tab, select Razer Kraken 7.1 Chroma from the list.



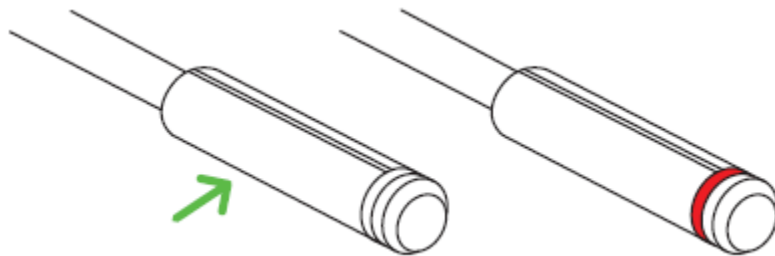
Step 3: In the *Input* tab, select Razer Kraken 7.1 Chroma from the list.



USING THE RETRACTABLE MICROPHONE

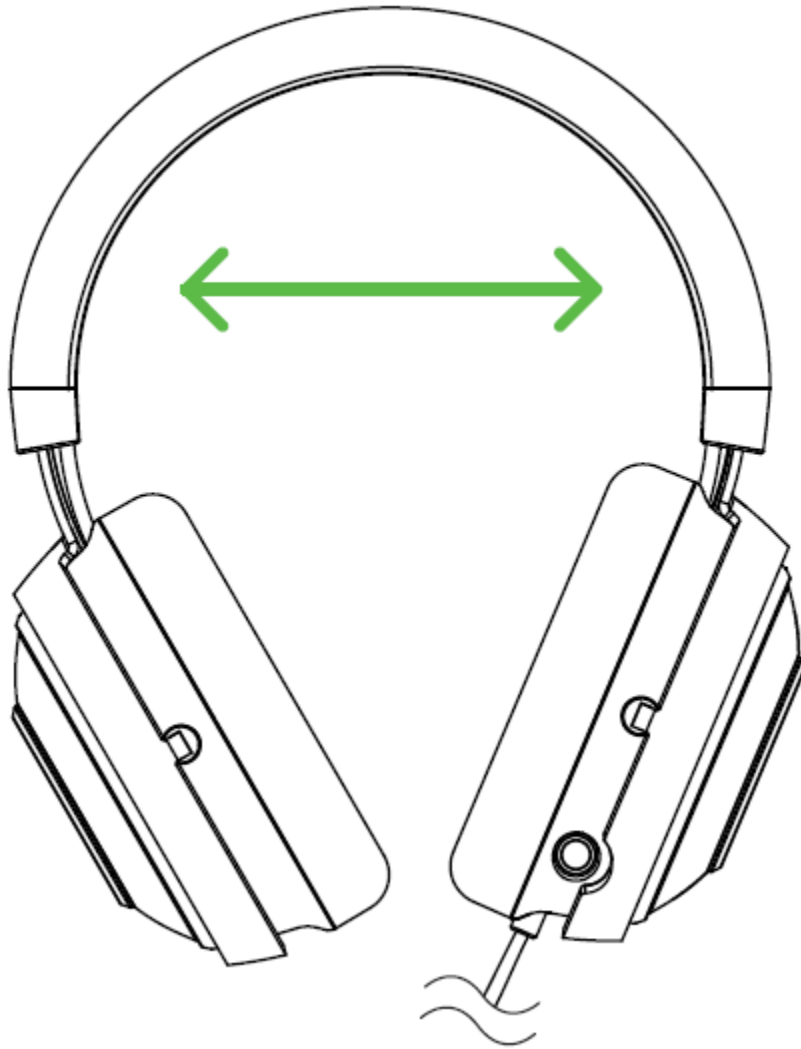


Press the button to mute/unmute the microphone. The mic mute LED will light up when the microphone is muted.



EXTENDING YOUR HEADPHONE'S LIFESPAN

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



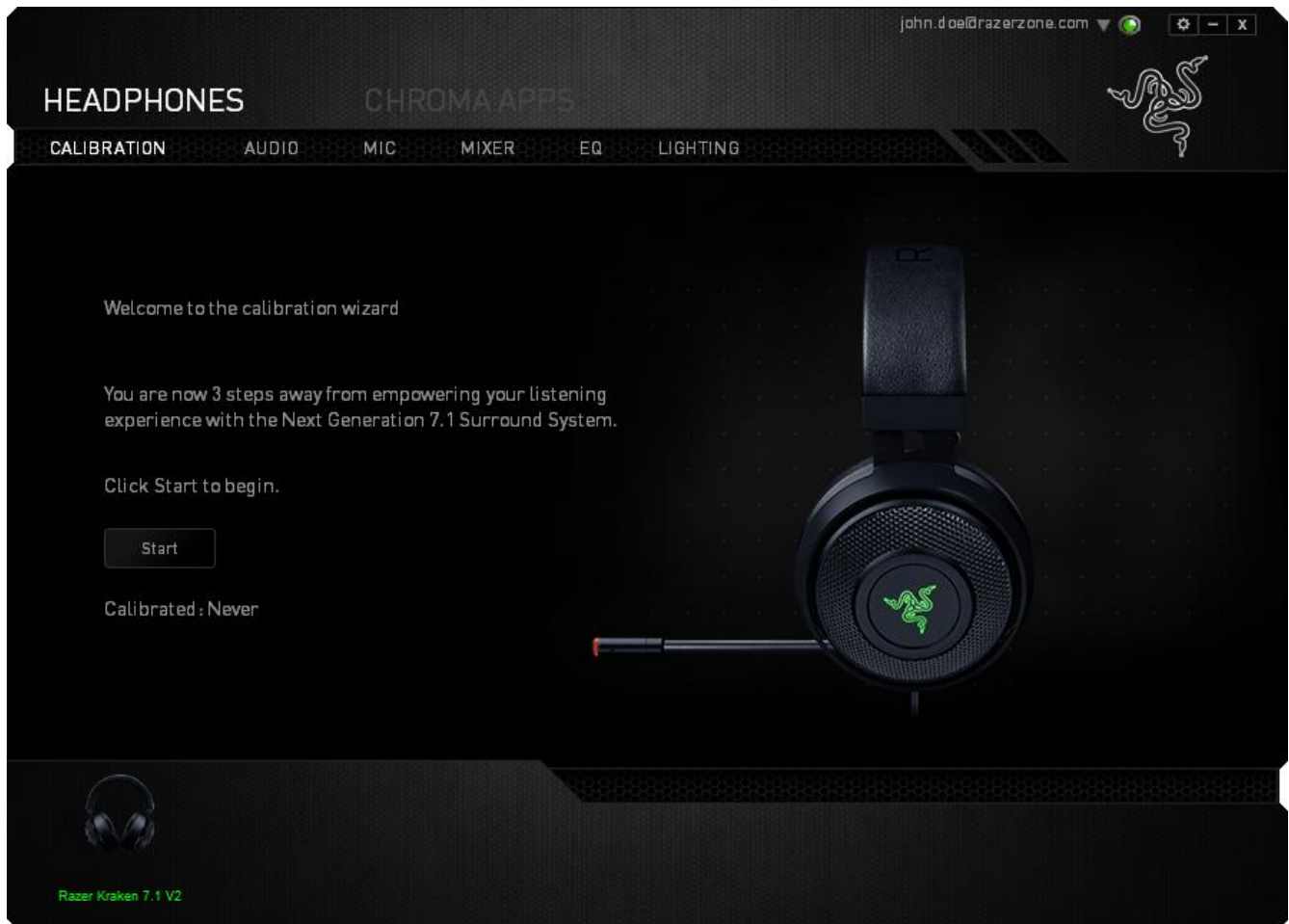
7. CONFIGURING YOUR RAZER KRAKEN 7.1 V2

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 Kraken 7.1 V2 headset is equipped with various software customizable features to unleash its full power.

CALIBRATION TAB

A 3-step calibration wizard helps you set up your Razer Kraken 7.1 V2 for virtual 7.1 surround sound. If you are setting up your audio device for the first time, we recommend using this wizard for a step by step guide on the calibration process.

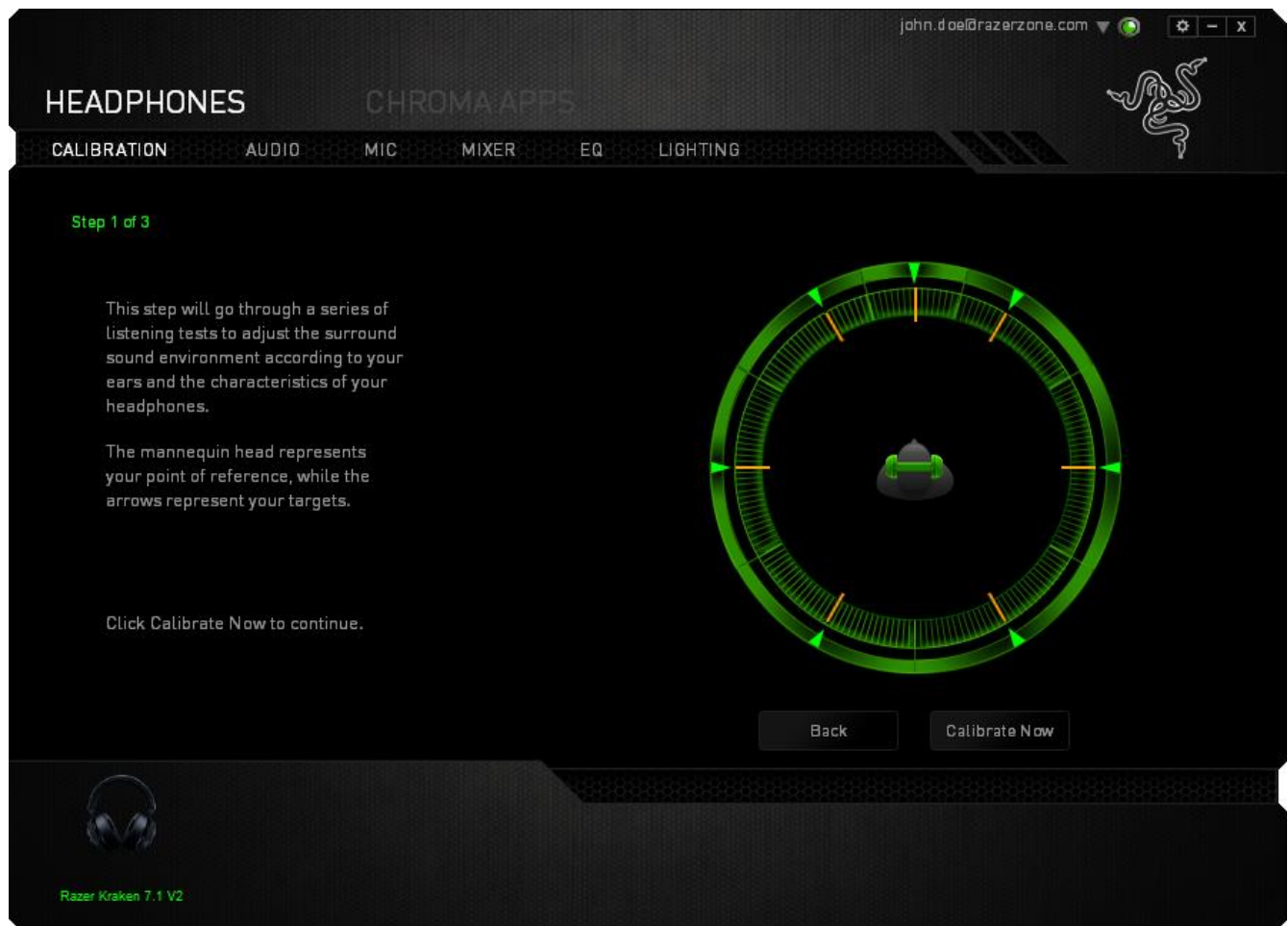


Click **START** to launch the wizard.

Step 1 of 3

This step introduces the calibration process. Read the instructions carefully and ensure that you are in a quiet environment in order to hear the audio prompts properly.

In this figure, the mannequin represents your position. The green arrows on each segment represent the target direction of the audio playback for that particular segment. Each orange line represents the last saved calibration settings configured on Razer Surround.



Click **Calibrate Now** once you are ready to begin the calibration.

Step 2 of 3

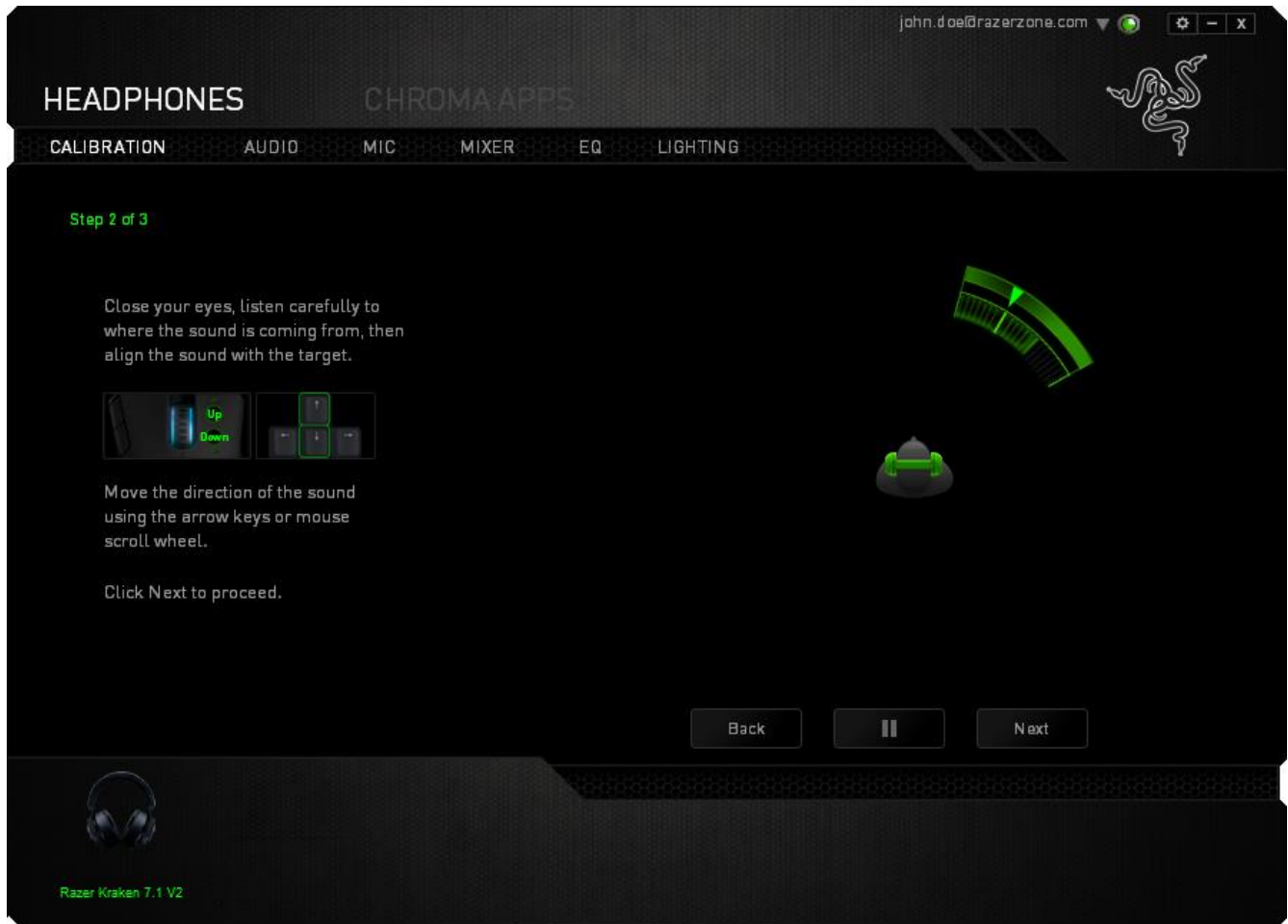
Position yourself according to the point of reference indicated by the mannequin. The calibration process is divided into a series of segments. An audio prompt will be played for each segment.

For the first segment, the sound should be perceived as coming from the direction marked by the green target arrow, roughly North-East of your point of reference. Your aim is to move the sound you hear such that you perceive it to be coming from this target direction. To achieve this,

1. Listen carefully to the audio prompt
2. The sound you hear will change direction as you move the mouse scroll wheel or the up/down arrow keys.
3. Continue changing the direction of the sound until you perceive it to come from the North-East position or as close to the green target arrow as possible.

Note: The orange line indicates the relative change to the previously saved alignment setting. It does not affect your current calibration, as it serves merely as a change indicator.

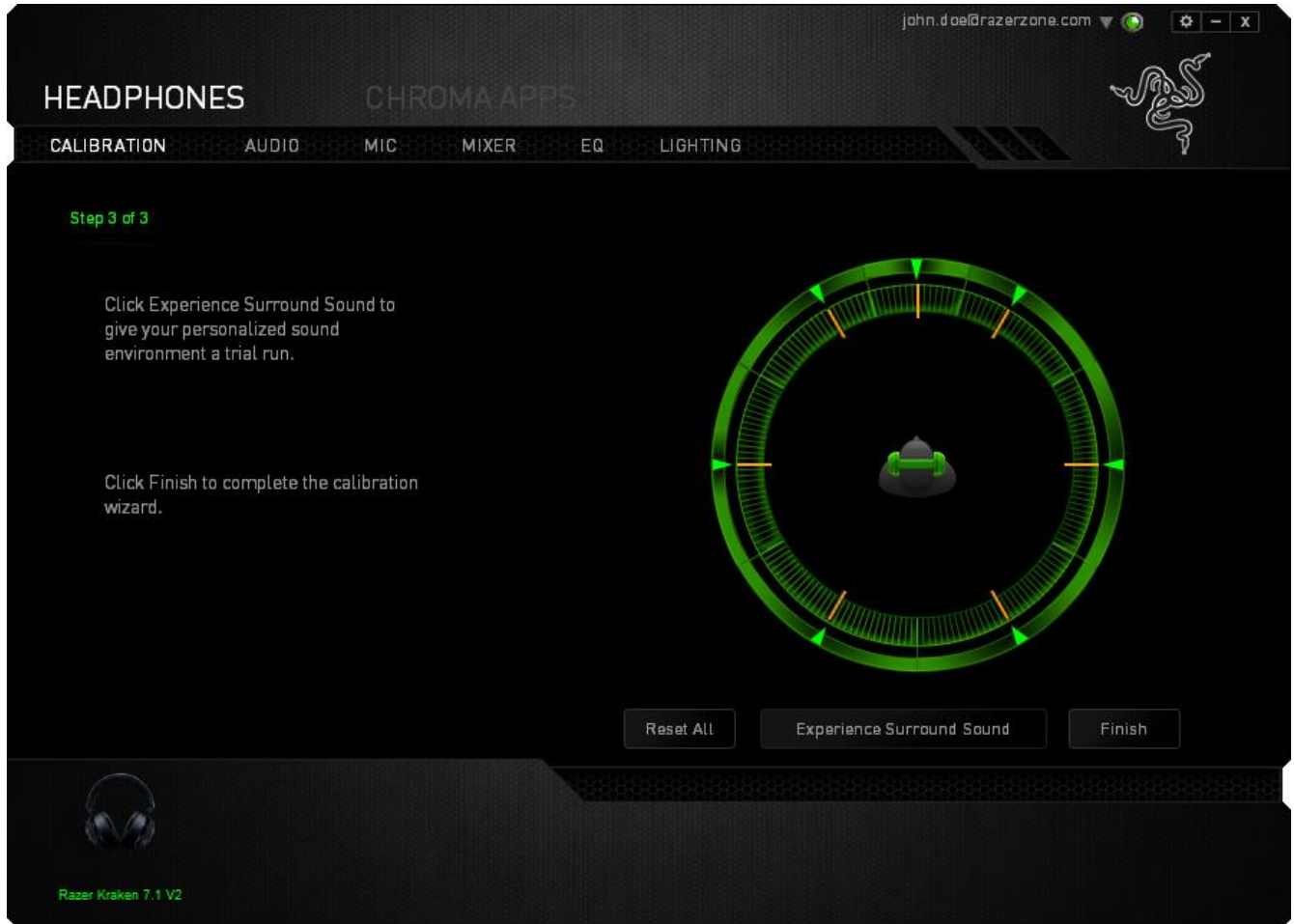
Click **Next** to continue to the next segment. Repeat the above, using the green target arrow for each segment as the target direction and continue until you complete the circle.



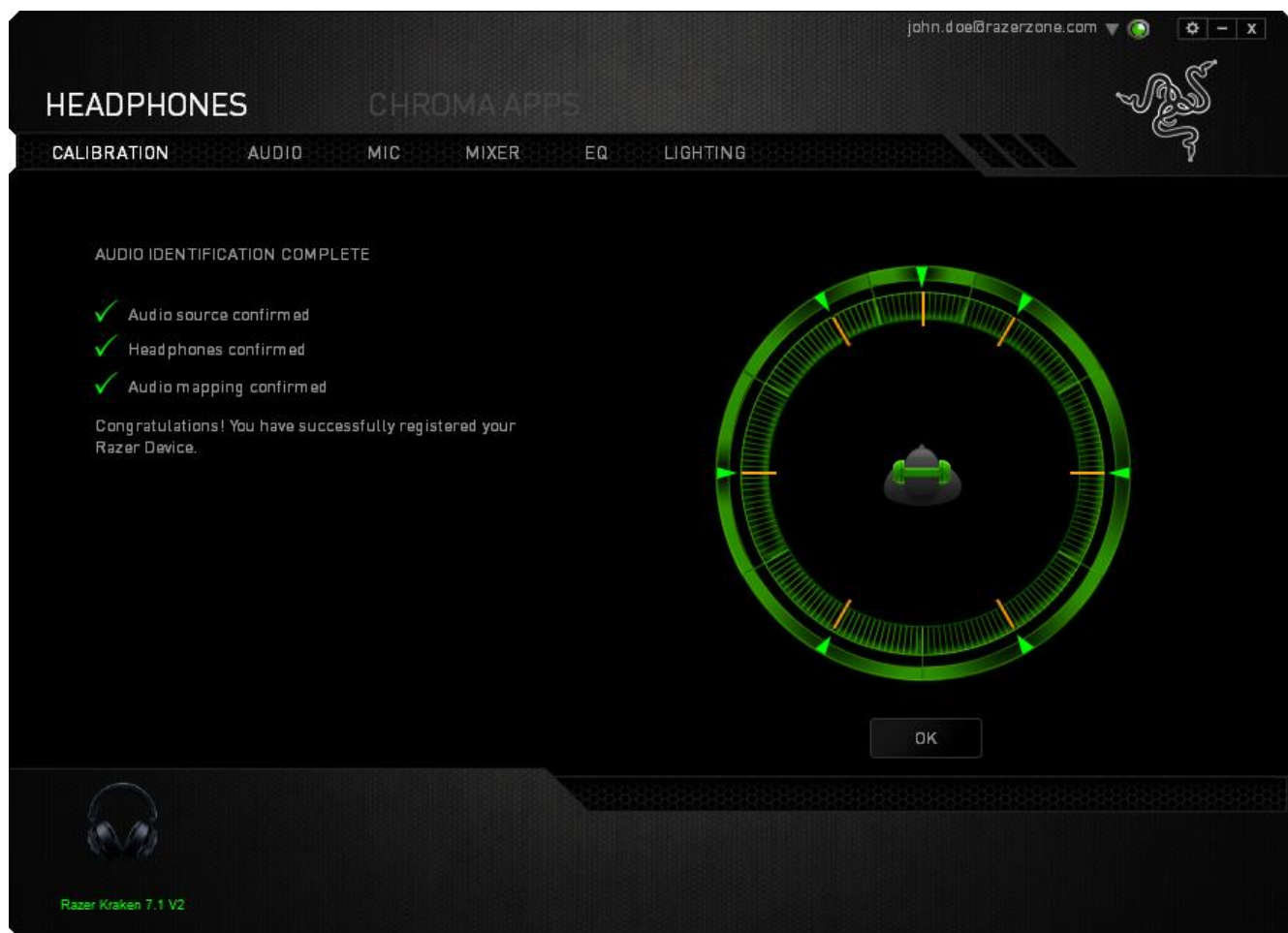
Once all segments are calibrated, click **Next** to go to the next step.

Step 3 of 3

Click **Experience Surround Sound** to test your personalized sound environment. To tweak a particular section, simply click it to play its audio prompt and adjust the settings as desired. To reset the entire configuration, click **Reset All**. Otherwise, click **Finish** to confirm the settings.

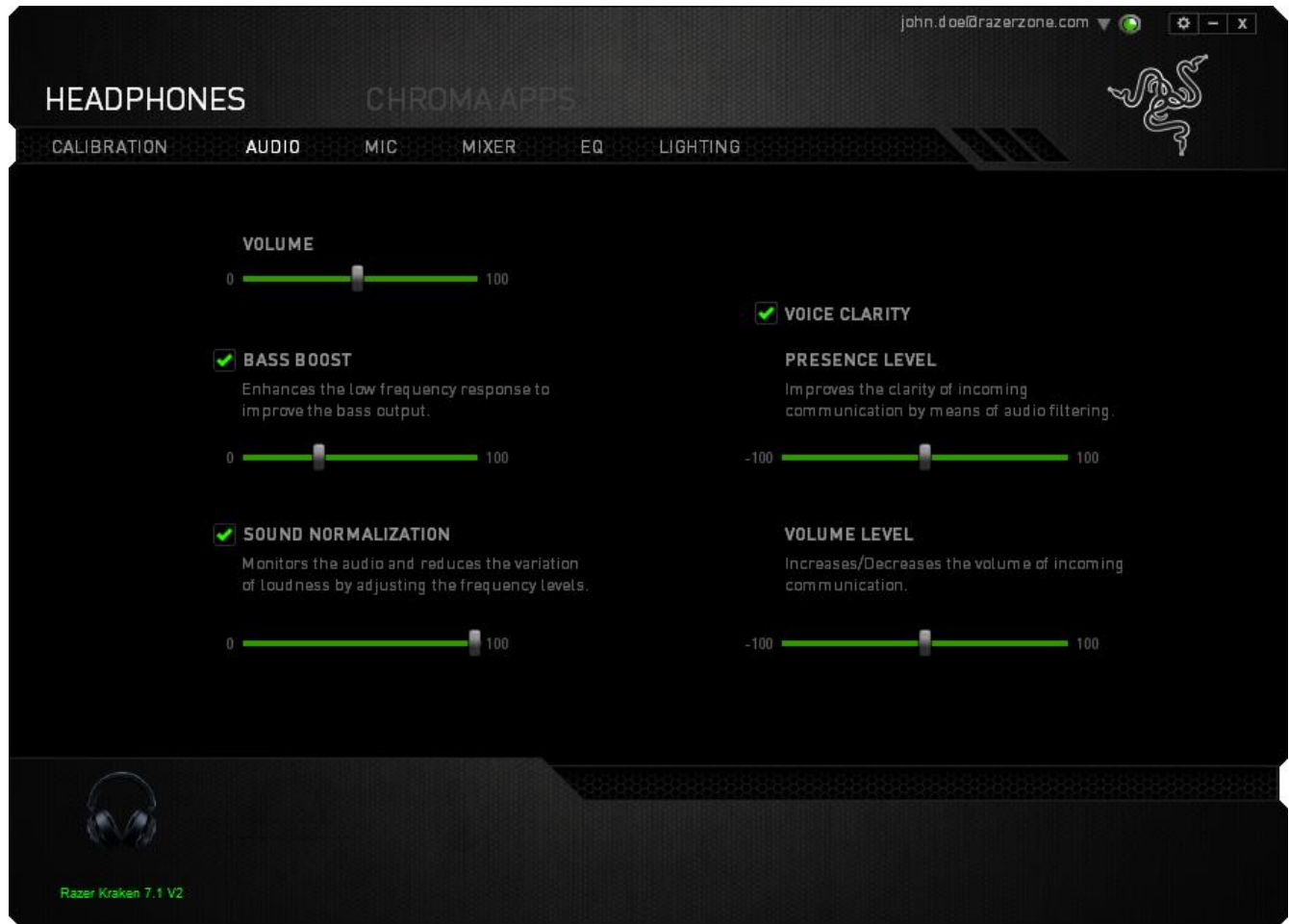


A confirmation screen will be displayed. Click **OK** to save and exit the wizard.



AUDIO TAB

The Audio Tab lets you control various options related to the audio you hear from your headset.

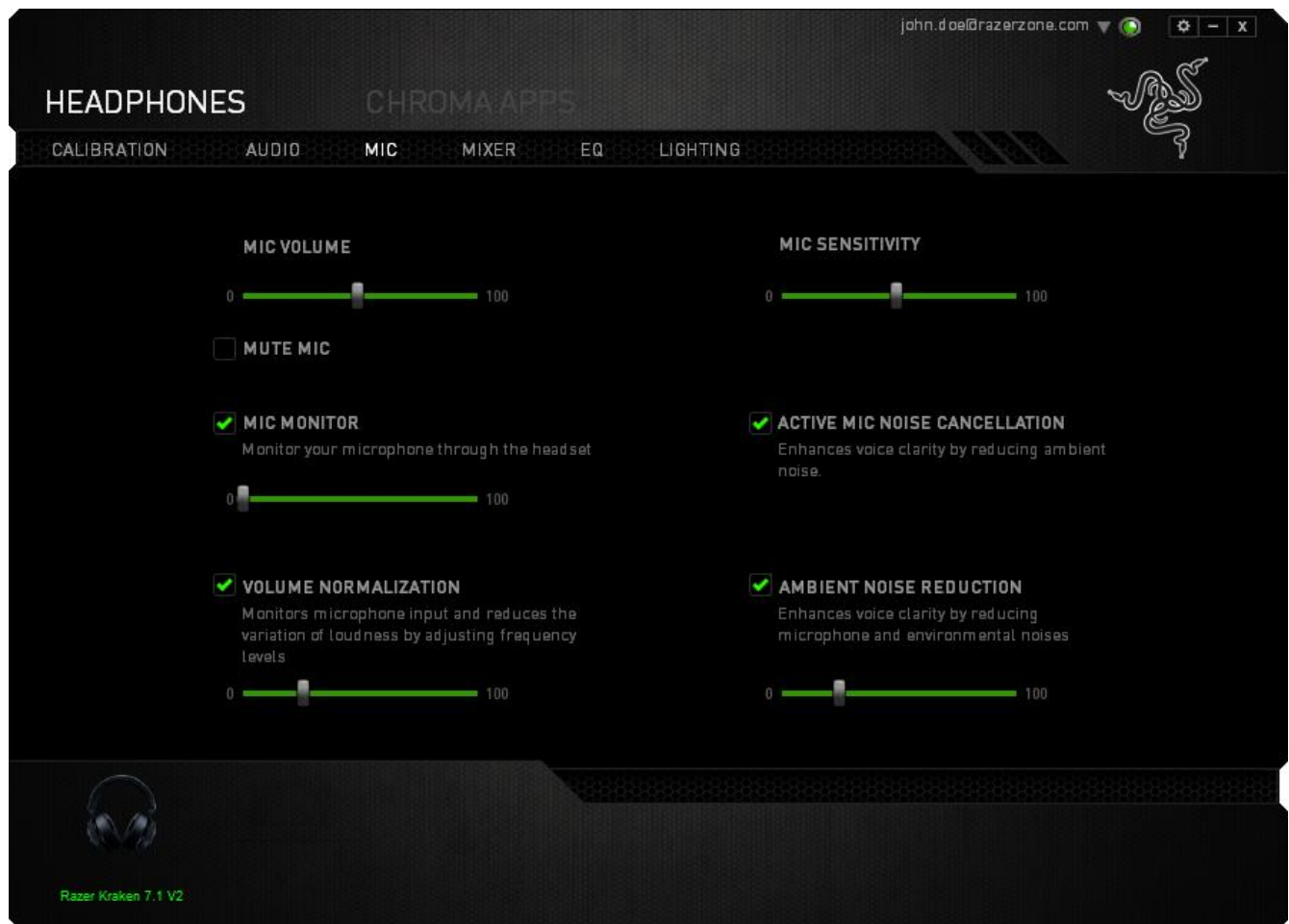


Using the various sliders, you can:

- Adjust the overall volume of your headset
- Improve the bass output of your headset
- Normalize the loudness of audio played to avoid sudden and unpleasant increase in volume from effects such as explosions.
- Enable voice clarity adjustments to improve the quality of incoming voice conversations. **Voice Clarity** adjustments includes both clarity (**Presence Level**) and volume (**Volume Level**) of incoming voice conversations.

MIC TAB

The Mic Tab lets you control various options related to how your headset handles voice input via its microphone.



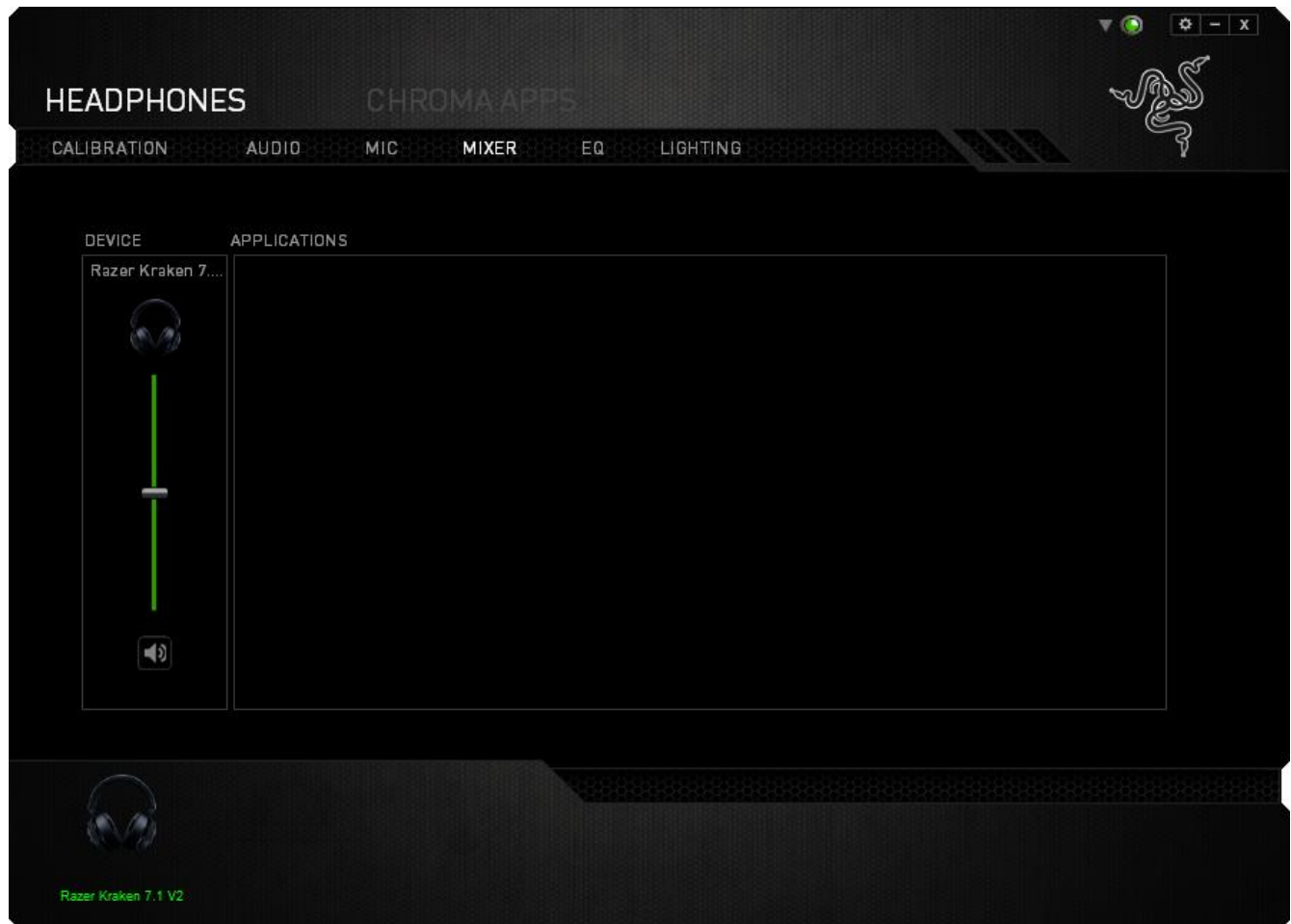
Using the various sliders and options you can:

- Adjust the microphone input volume. You can also choose to mute your microphone.
- Hear the sounds that passes through your mic using the mic monitoring feature.
- Adjust volume normalization level for microphone input
- Adjust the microphone's sensitivity so it cuts out background noises and only picks up your voice.
- Enhance the clarity of microphone input by activating noise cancellation and reducing ambient noise.

MIXER TAB

The Mixer Tab allow you to adjust the volume for programs currently running on your system individually.

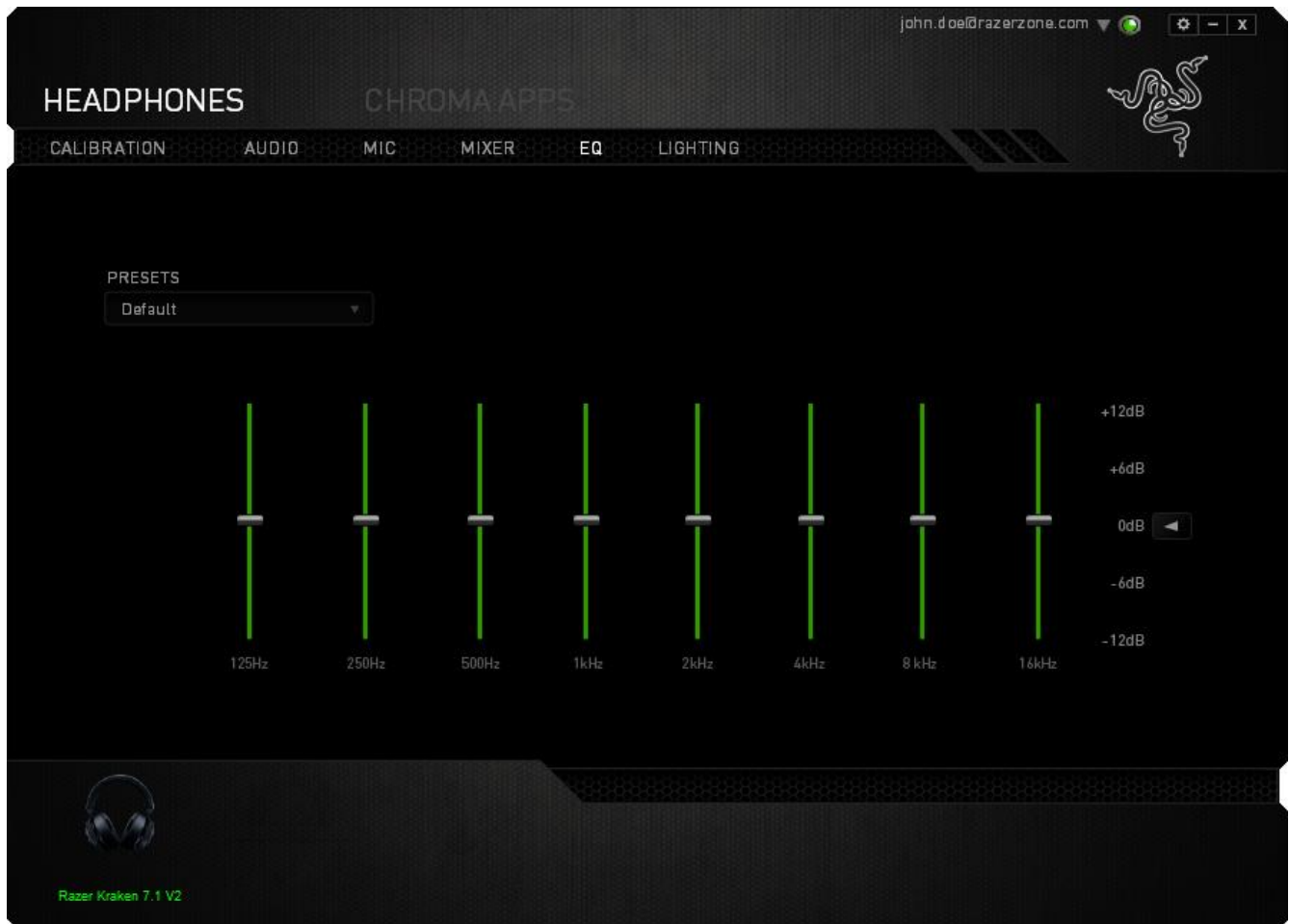
Note: The Mixer Tab is not available for Mac OS systems.



Customize the volume of audio for each program using the sliders.

EQ TAB

The EQ Tab lets you filter various audio frequencies, controlling the overall tone of your audio output.

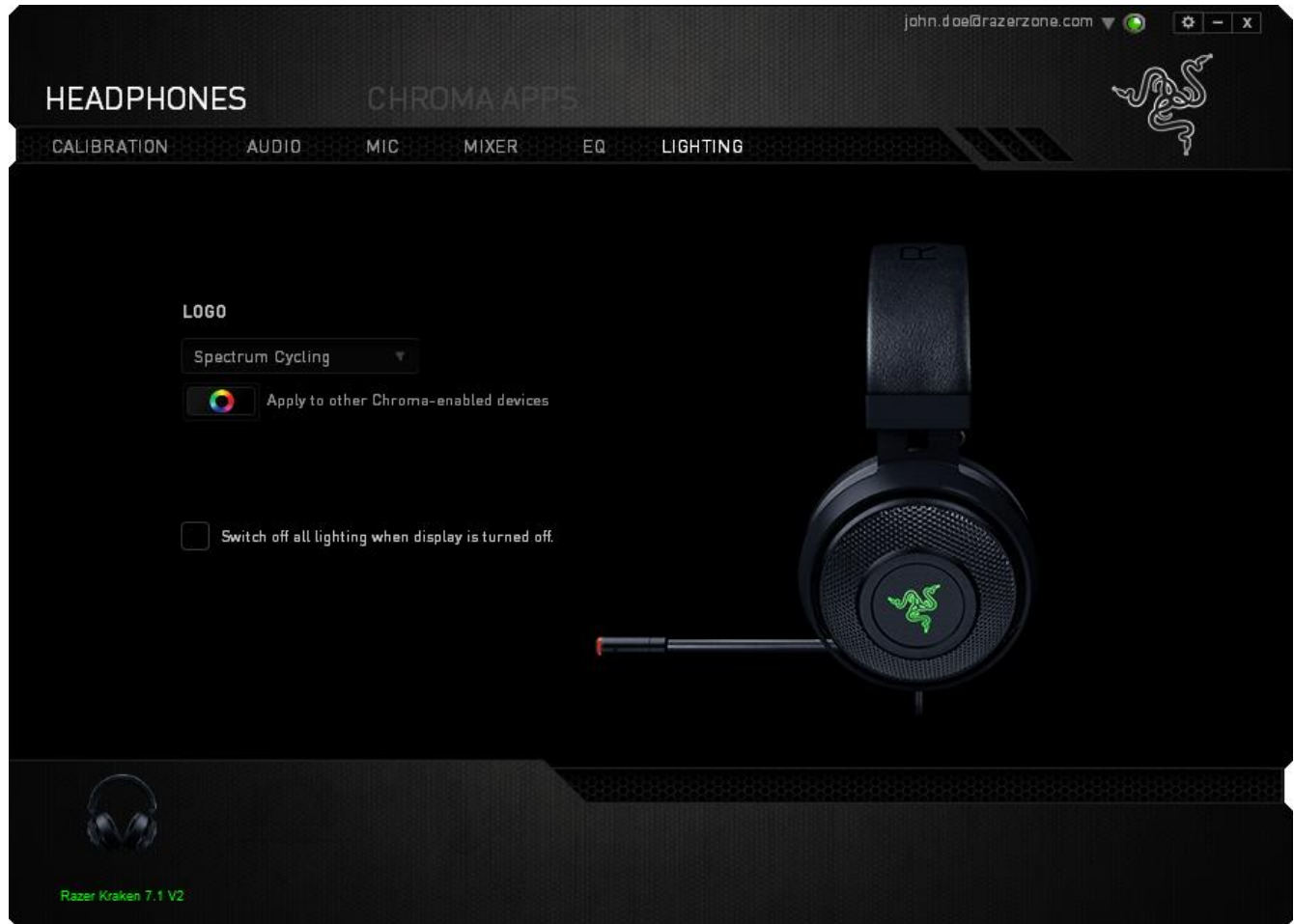


A list of preset equalizer settings can be selected from the drop down menu, giving you easy access to various commonly used audio tones. You can also manually adjust each audio frequency using the sliders.

LIGHTING TAB

The Lighting Tab is where you can customize the color of Razer logo lighting or select pre-loaded lighting effects. Changes made in this tab will be automatically saved to the current profile.

Note: The color of the microphone LED cannot be changed.



Lighting options include:

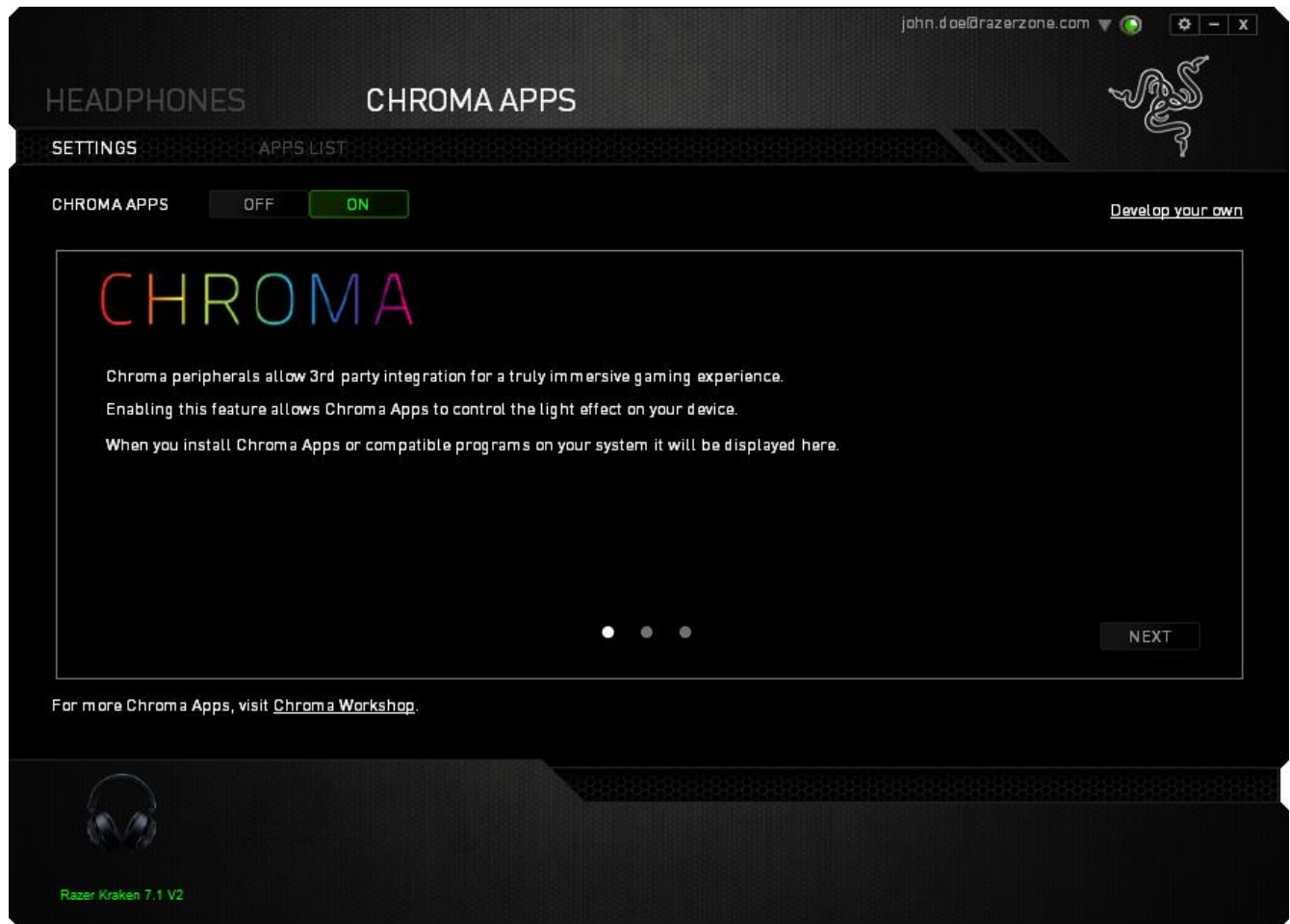
Name	Description	How to set up
Spectrum cycling	The LEDs will cycle between 16.8 million colors indefinitely	Default effect. No further customization is required
Static	The LEDs will remain lit in the selected color	Select the desired lighting color
Breathing	The lighting fades in and out of the selected color(s)	Select up to 2 colors for this setting

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

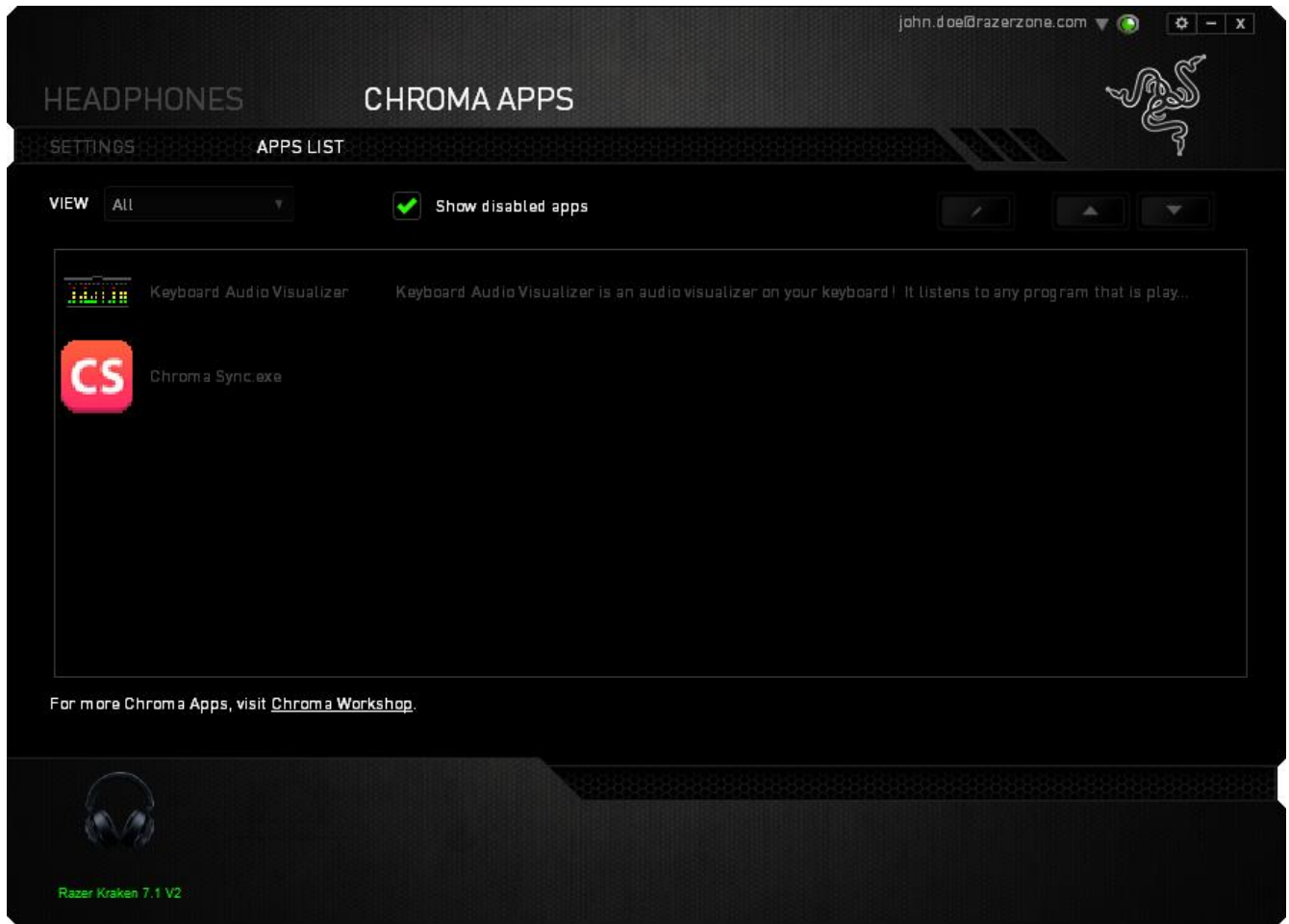
To enable the Chroma Apps function, click **ON** and visit razerzone.com/chroma-workshop to download an app.



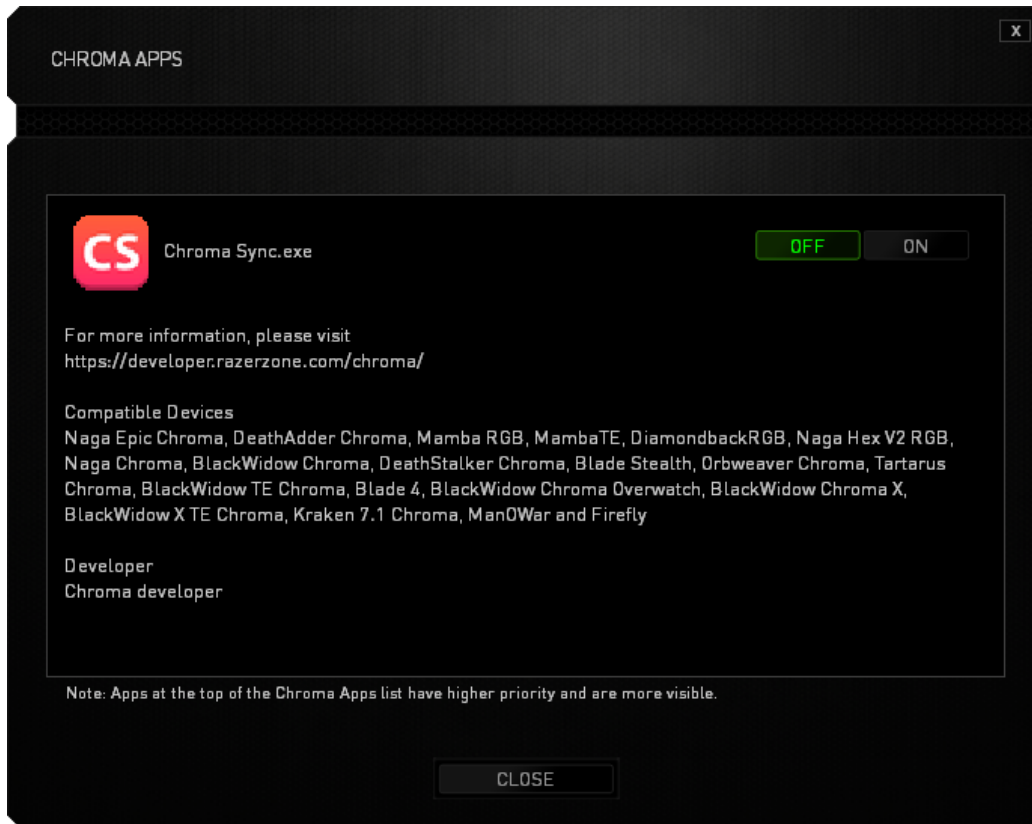
APPS LIST TAB

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 . You can also rearrange the list using drag-and-drop or by clicking  and .



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 Kraken 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](https://razer.com/support) 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 Kraken 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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LIMITED PRODUCT WARRANTY

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

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