RAZER ELECTRA V2 USB

MASTER GUIDE

Great audio is key to effective gaming. The **Razer Electra V2 USB** is your first step to winning with the Razer advantage. Designed for all-around balanced sound, the Razer Electra V2 USB is equipped with custom-tuned 40 mm audio drivers that deliver well-controlled, punchy bass and clear crisp highs. Take your gaming to the next level with virtual 7.1 surround sound for 360-degree immersion.

Outfitted with a unibody aluminum frame and plush leatherette ear cushions, the Razer Electra V2 USB is built to ensure comfort through the most intense of battles.

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1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

PACKAGE CONTENTS

- Razer Electra V2 USB digital gaming and music headset
- Removable microphone
- Important Product Information Guide

SYSTEM REQUIREMENTS

PRODUCT REQUIREMENTS

- PC/Mac/PS4 with a free USB port

RAZER SYNAPSE REQUIREMENTS

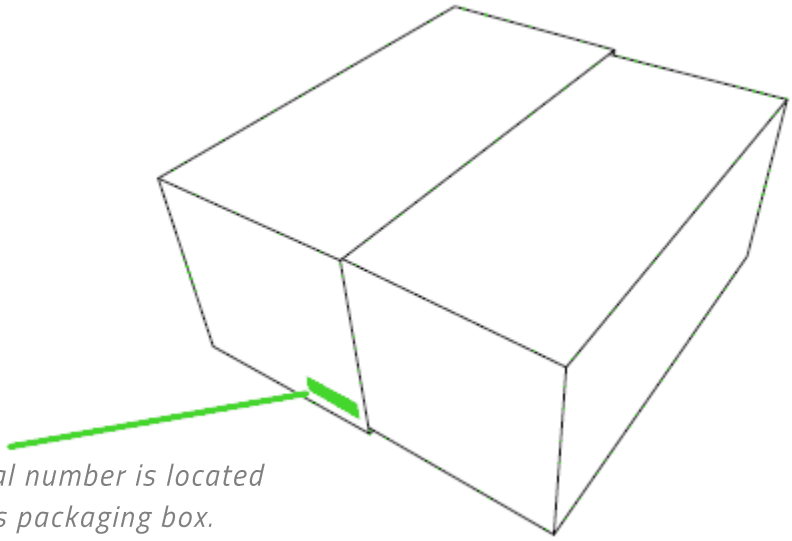
- Windows®7/Mac OS X 10.9 (or higher)
- Internet connection
- 100 MB of free hard disk space

2. REGISTRATION / TECHNICAL SUPPORT

REGISTRATION

Register your product online at razer-id.razerzone.com/warranty to get real-time information on your product's warranty status.

If you haven't registered for a Razer ID yet, register now at razer-id.razerzone.com to get a wide range of Razer benefits.



Your product's serial number is located on the bottom of its packaging box.

TECHNICAL SUPPORT

What you'll get:

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

3. TECHNICAL SPECIFICATIONS

HEADPHONES

- Frequency response: 20 Hz – 20 kHz
- Impedance: 32 ± 15% Ω
- Sensitivity: 115 ± 3 dB
- Max input power:50 mW
- Drivers: 40 mm with Neodymium magnets
- Cable length:1.3 m / 4.27 ft.
- Approximate weight: 294 g / 0.65 lbs

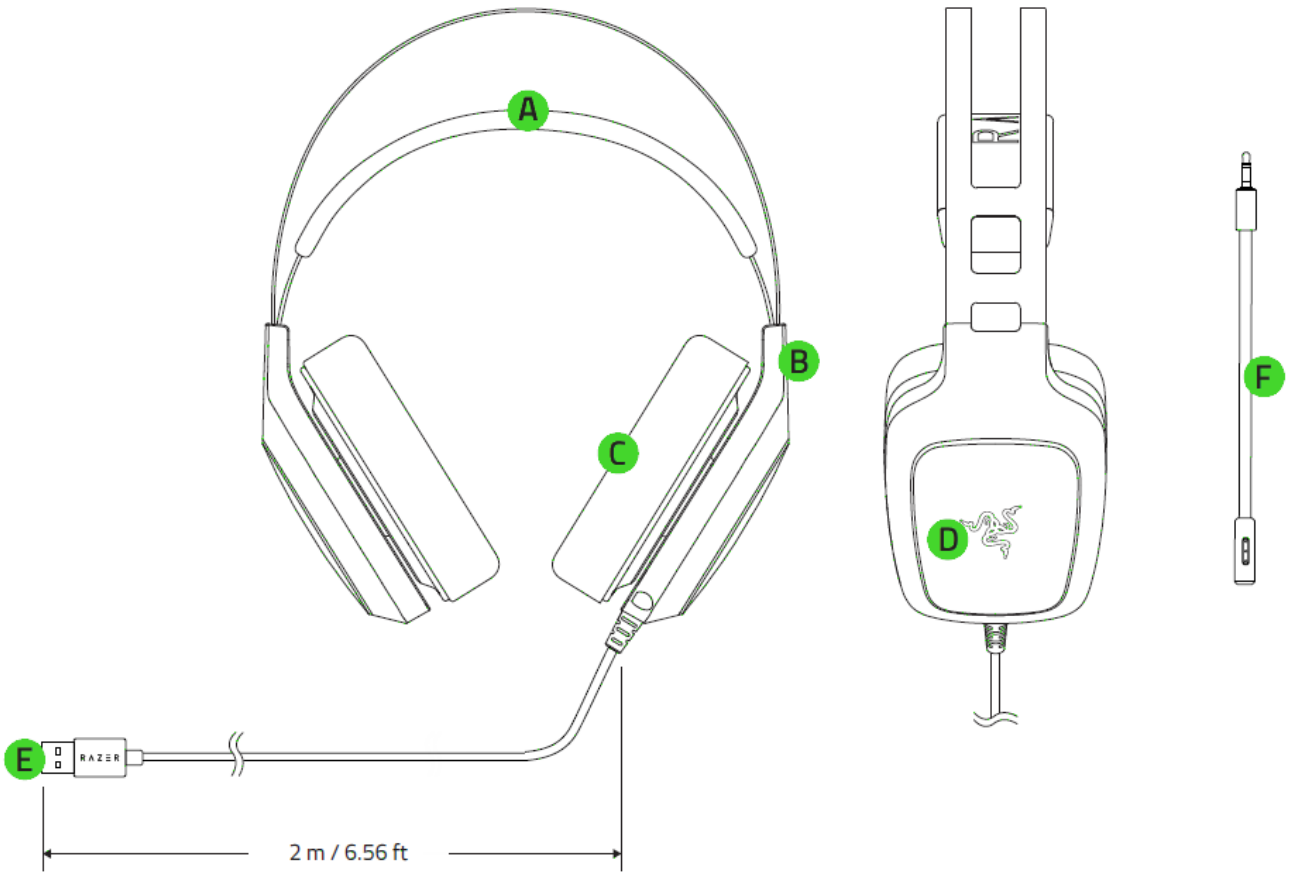
MICROPHONE (REMOVEABLE BOOM MIC)

- Frequency response: 100 Hz – 10 kHz
- Signal-to-noise ratio: >= 50 dB
- Sensitivity (@1 kHz): -41 ± 3 dB
- Pick-up pattern: Unidirectional

CONTROLS ON HEADSET

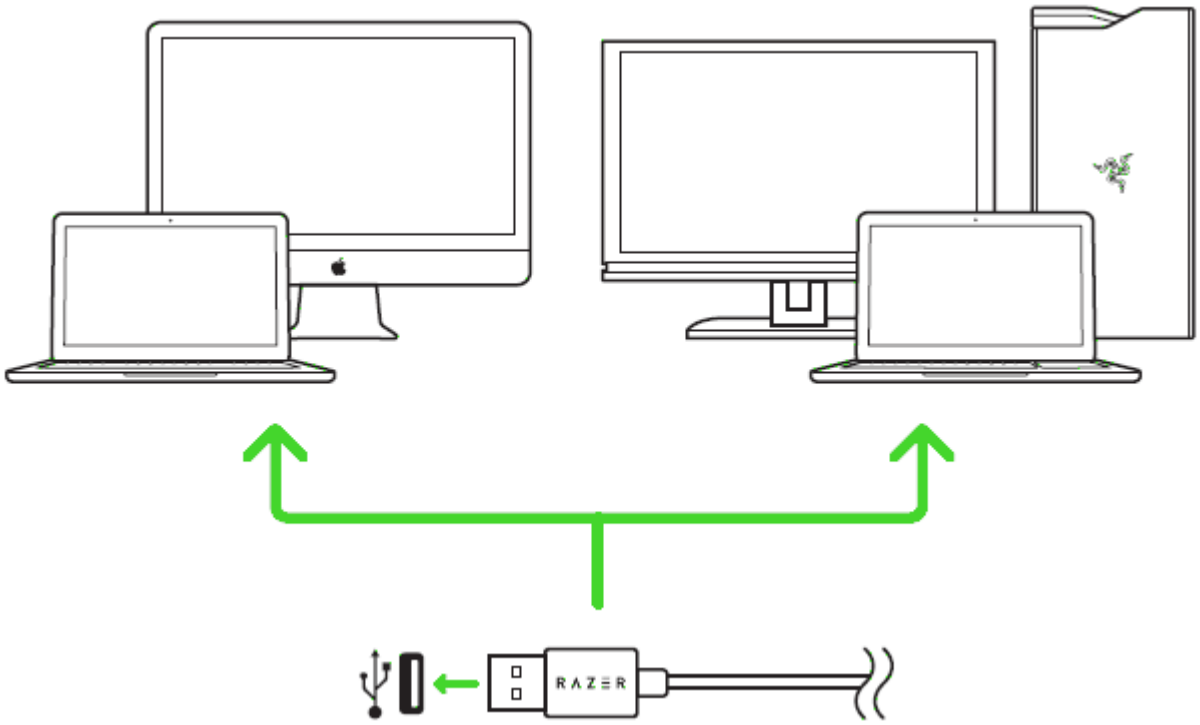
- Volume up / down, mic mute

4. DEVICE LAYOUT



A. Adjustable padded headband
B. Circumaural ear cup design
C. Leatherette ear cushions
D. Backlit Razer logo
E. USB connector
F. Removable microphone

5. INSTALLING RAZER SYNAPSE FOR YOUR RAZER ELECTRA V2 USB



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.

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

**Applicable for Windows 8 or later.*

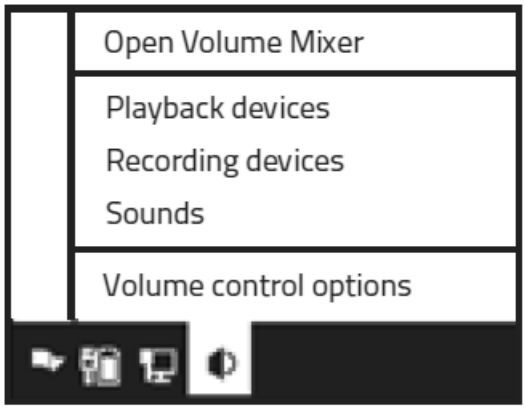
Note: The Razer Electra V2 USB headset works out of the box as a stereo headset, please install Razer Synapse to set up virtual 7.1 surround sound.

6. USING YOUR RAZER ELECTRA V2 USB

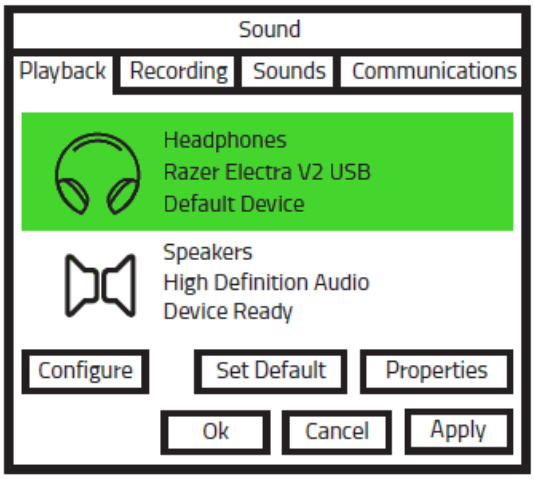
SETTING THE DEFAULT PLAYBACK DEVICE

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.

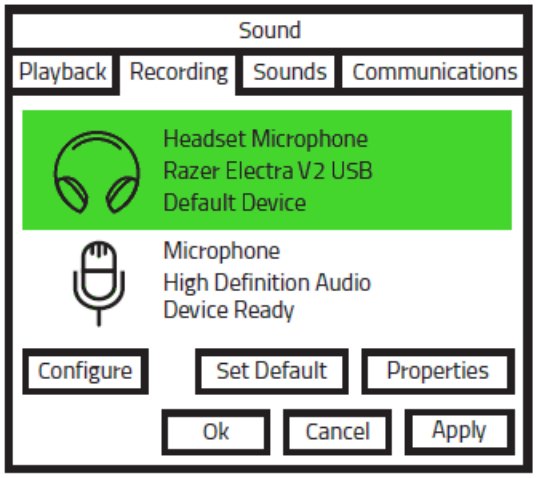
FOR WINDOWS USERS
Step 1: Open your **Sound** settings from **Control Panel > Hardware and Sound > Manage audio devices**. You can also right-click your sound icon on the system tray and select **Playback devices**.



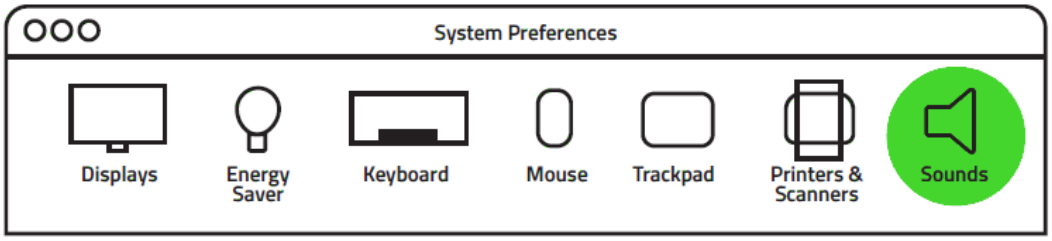
Step 2: In the *Playback* tab, select Razer Kraken 7.1 Chroma from the list and click the **Set Default** button.



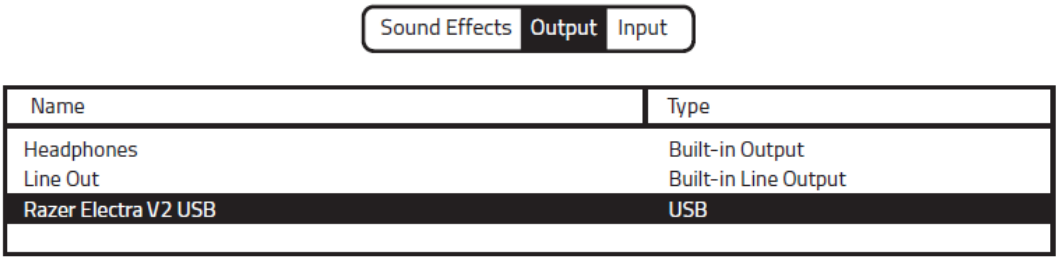
Step 3: In the *Recording* tab, select Razer Kraken 7.1 Chroma from the list and click the **Set Default** button.



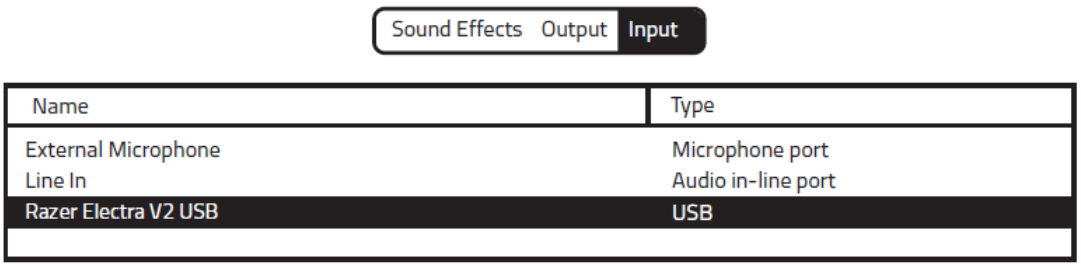
FOR MAC USERS
Step 1: Open your **Sound** settings from **System Preferences > Sound**.



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

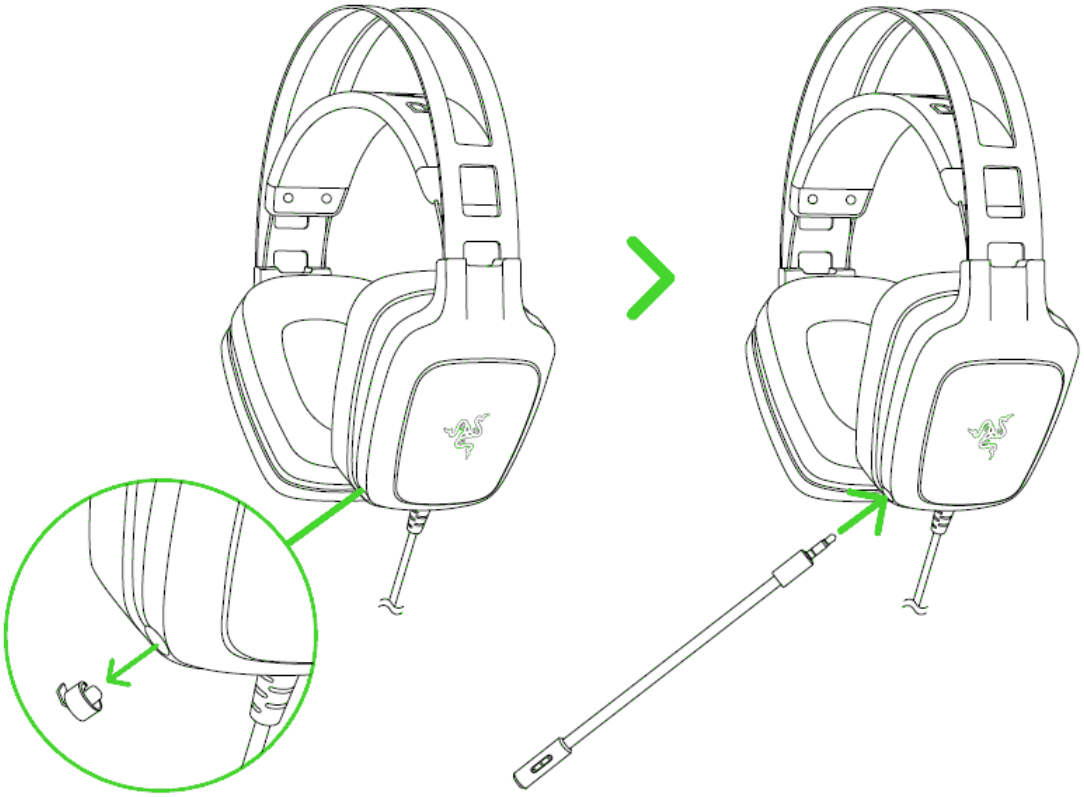


Step 3: In the *Input* tab, select Razer Kraken 7.1 Chroma from the list.

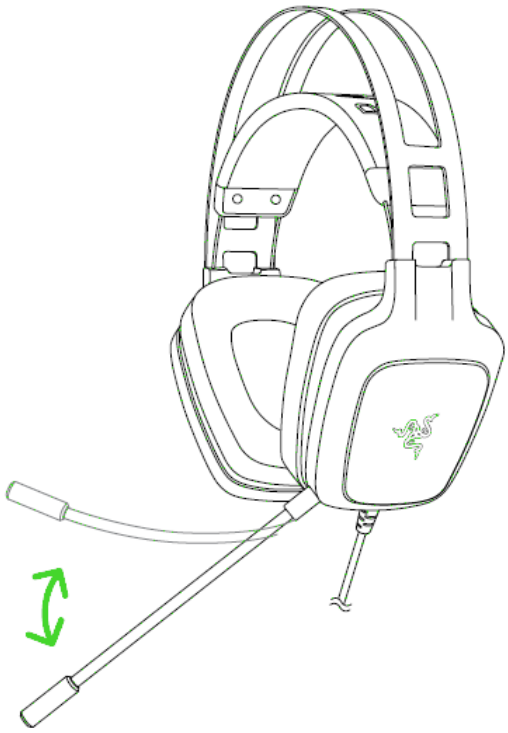


USING THE REMOVABLE MICROPHONE

Plug the removable microphone to the headphone.

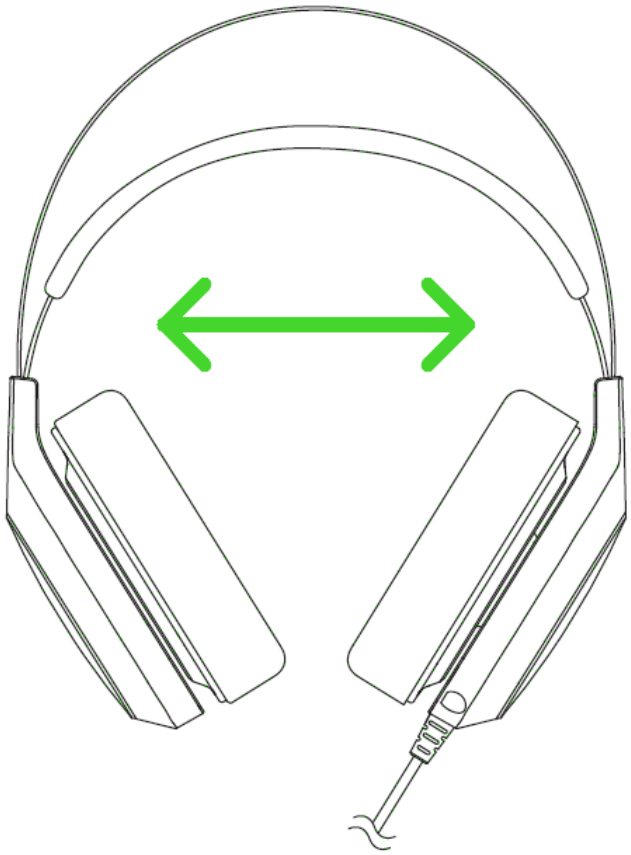


Bend the microphone until it is in front of your mouth.



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.



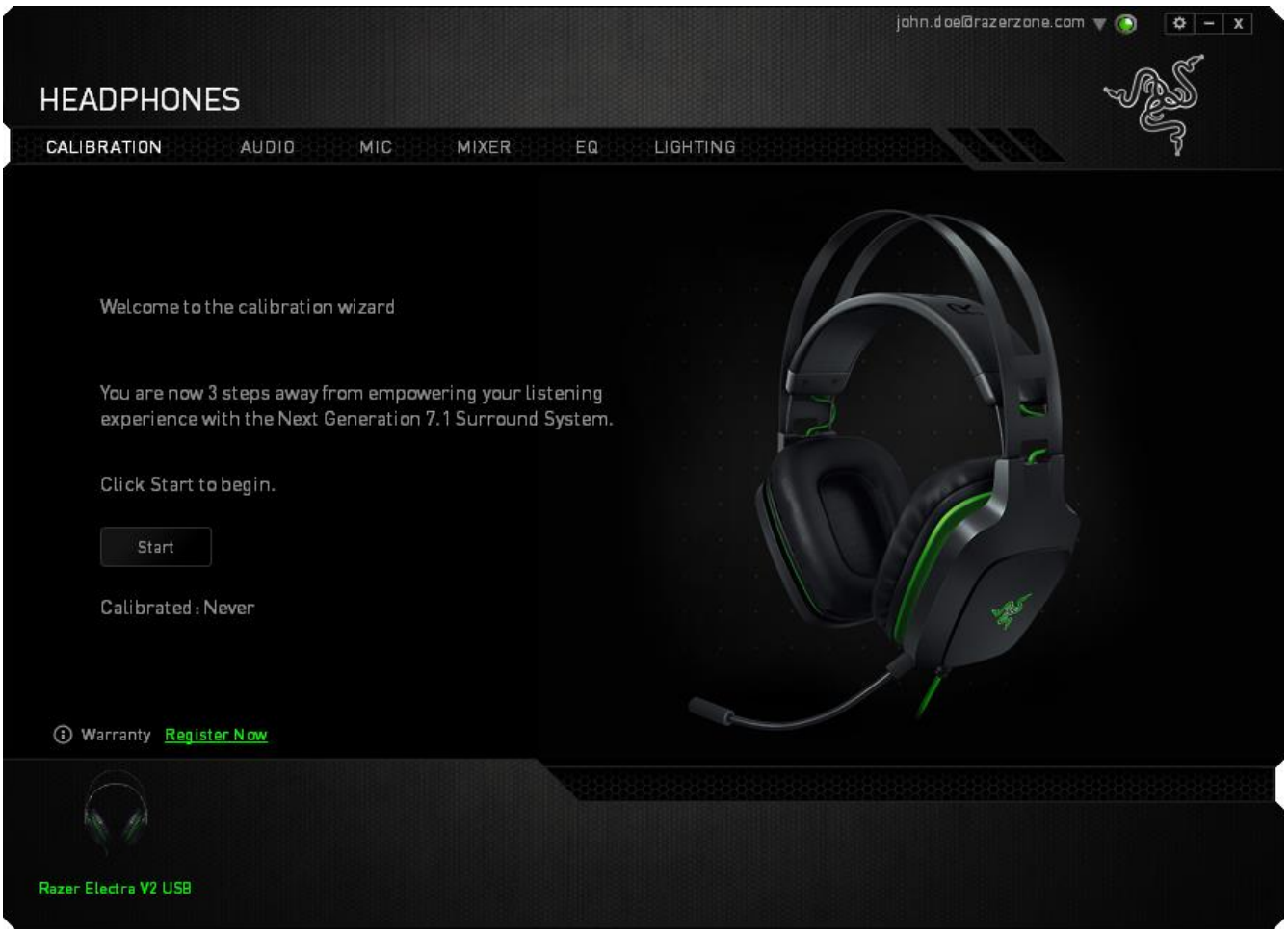
7. CONFIGURING YOUR RAZER ELECTRA V2 USB

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 Electra V2 USB headset is equipped with various software customizable features to unleash its full power.

CALIBRATION TAB

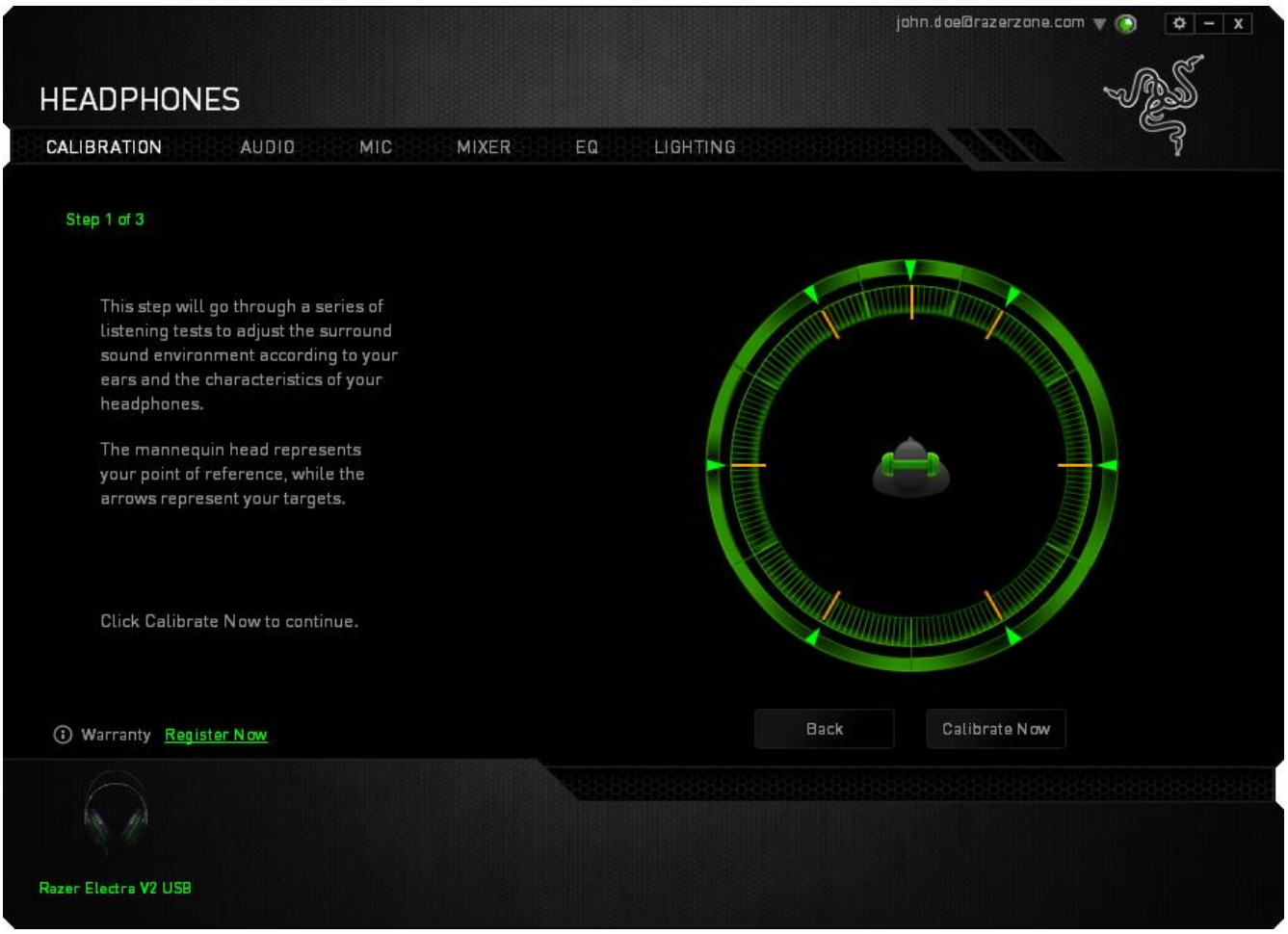
A 3-step calibration wizard helps you set up your Razer Electra V2 USB for virtual 7.1 surround sound. If you are setting up your audio device for the first time, we recommend using this wizard for a step by step guide on the calibration process.



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.

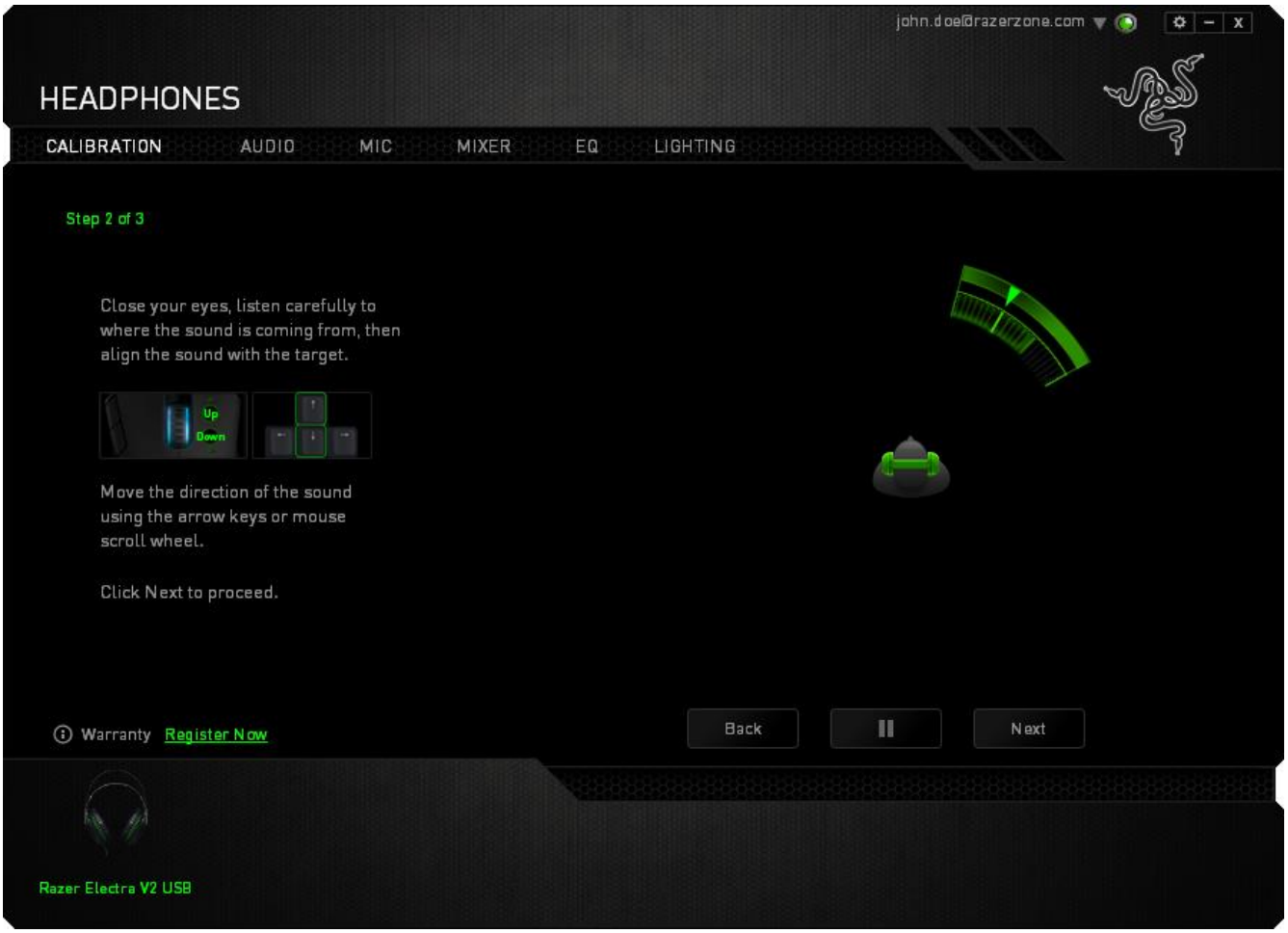
Step 2 of 3
Position yourself according to the point of reference indicated by the mannequin. The calibration process is divided into a series of segments. An audio prompt will be played for each segment.

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.

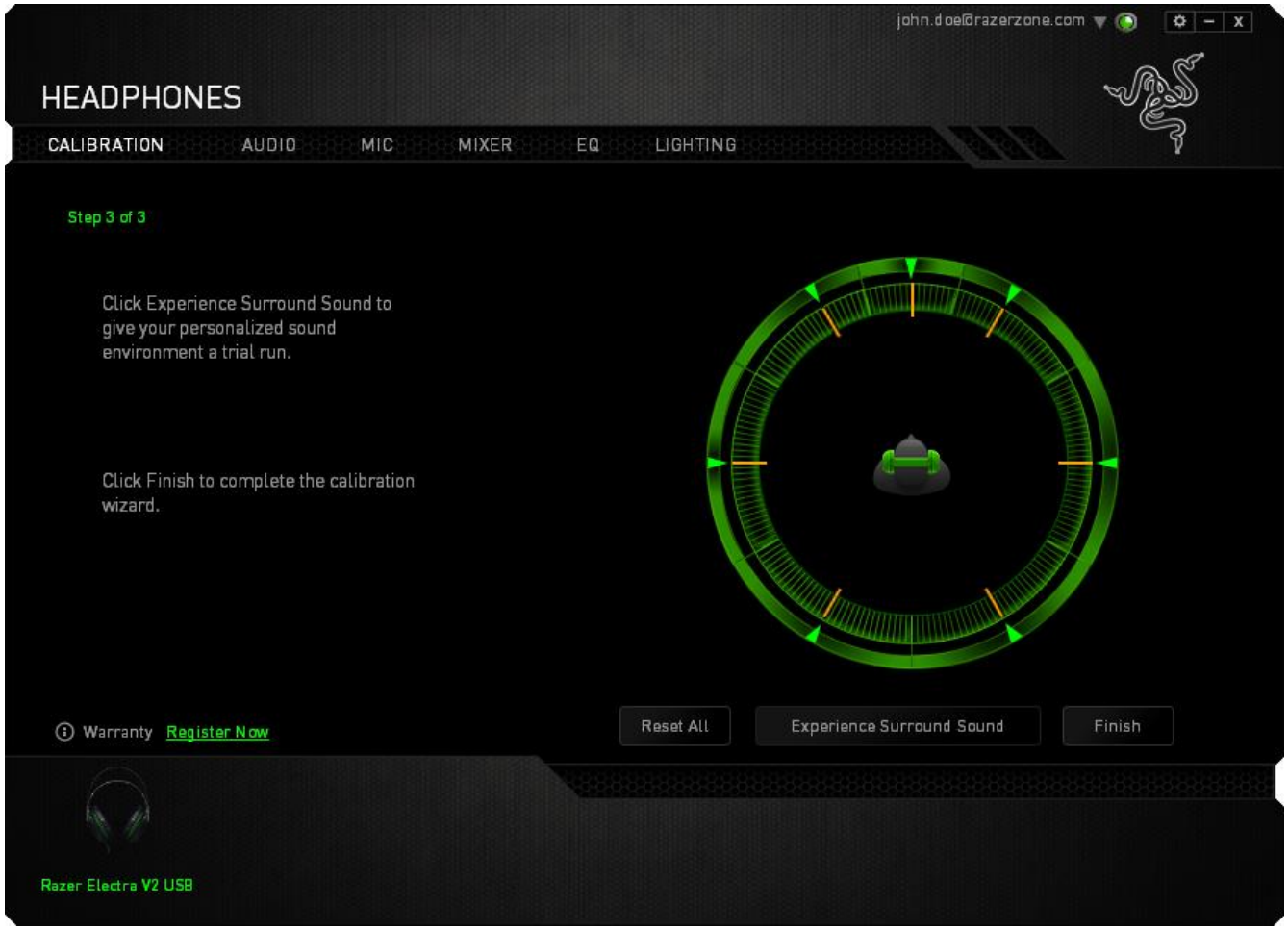
Click **Next** to continue to the next segment. Repeat the above, using the green target arrow for each segment as the target direction and continue until you complete the circle.



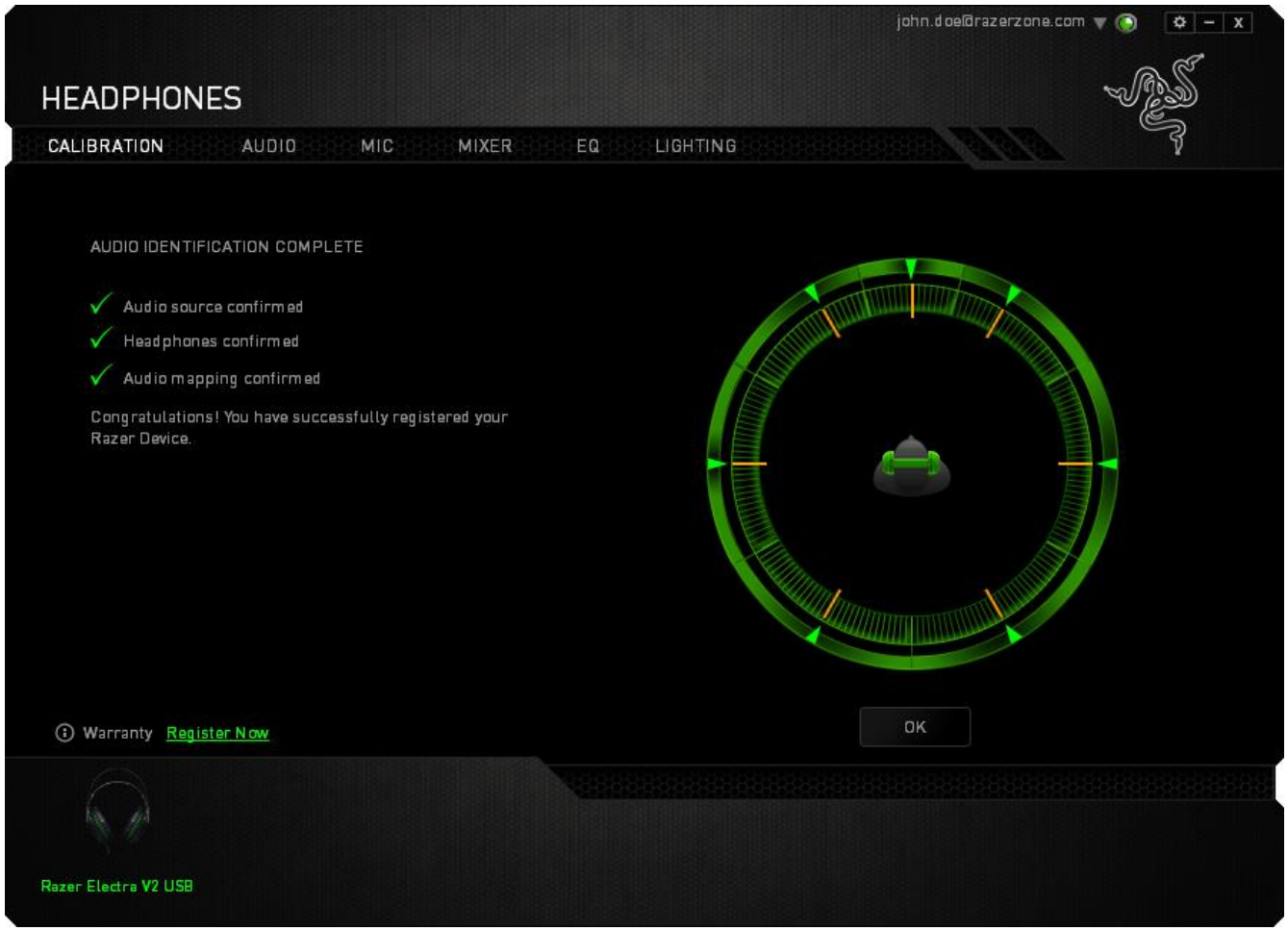
Once all segments are calibrated, click **Next** to go to the next step.

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.

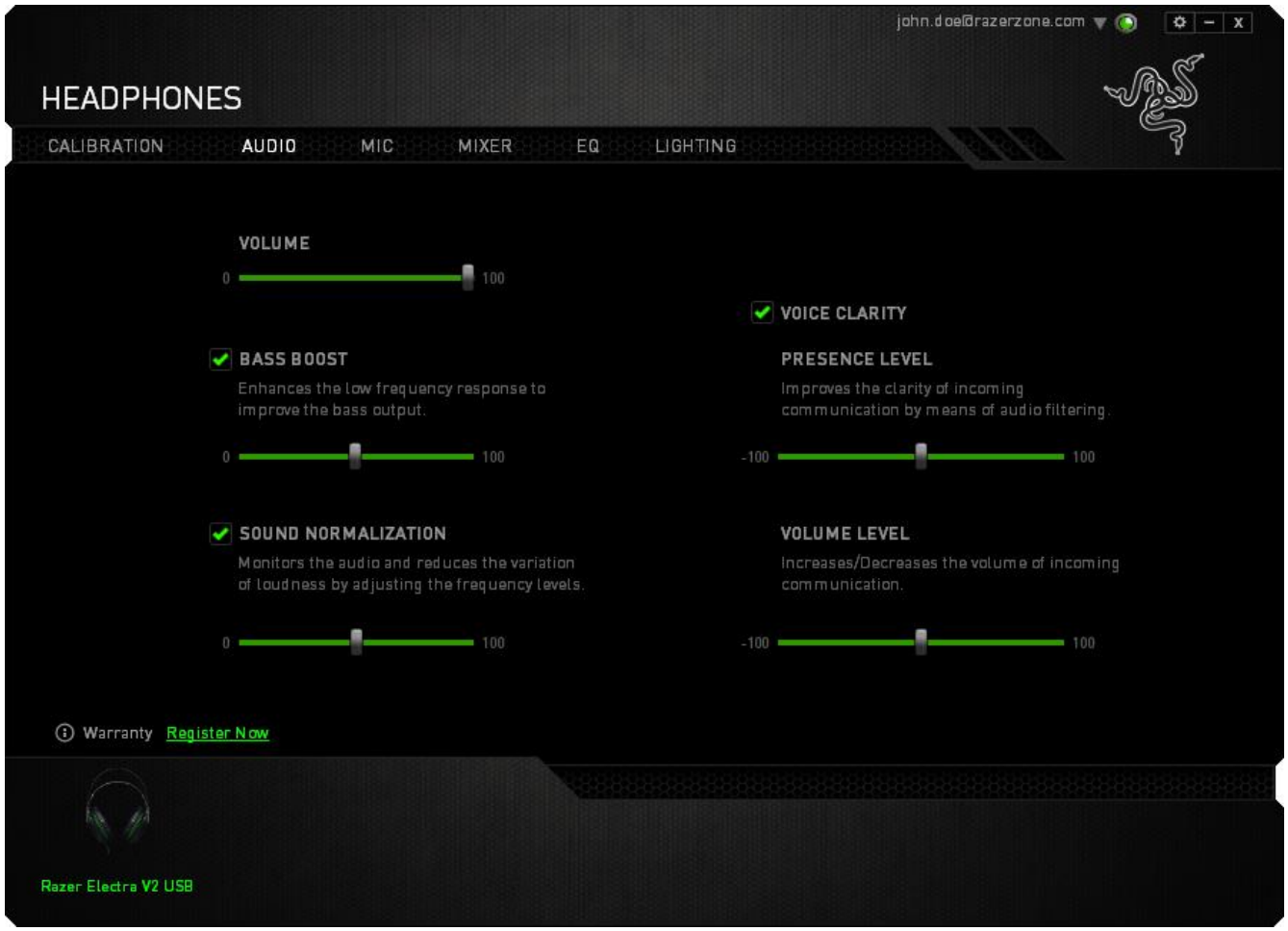


A confirmation screen will be displayed. Click **OK** to save and exit the wizard.



AUDIO TAB

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

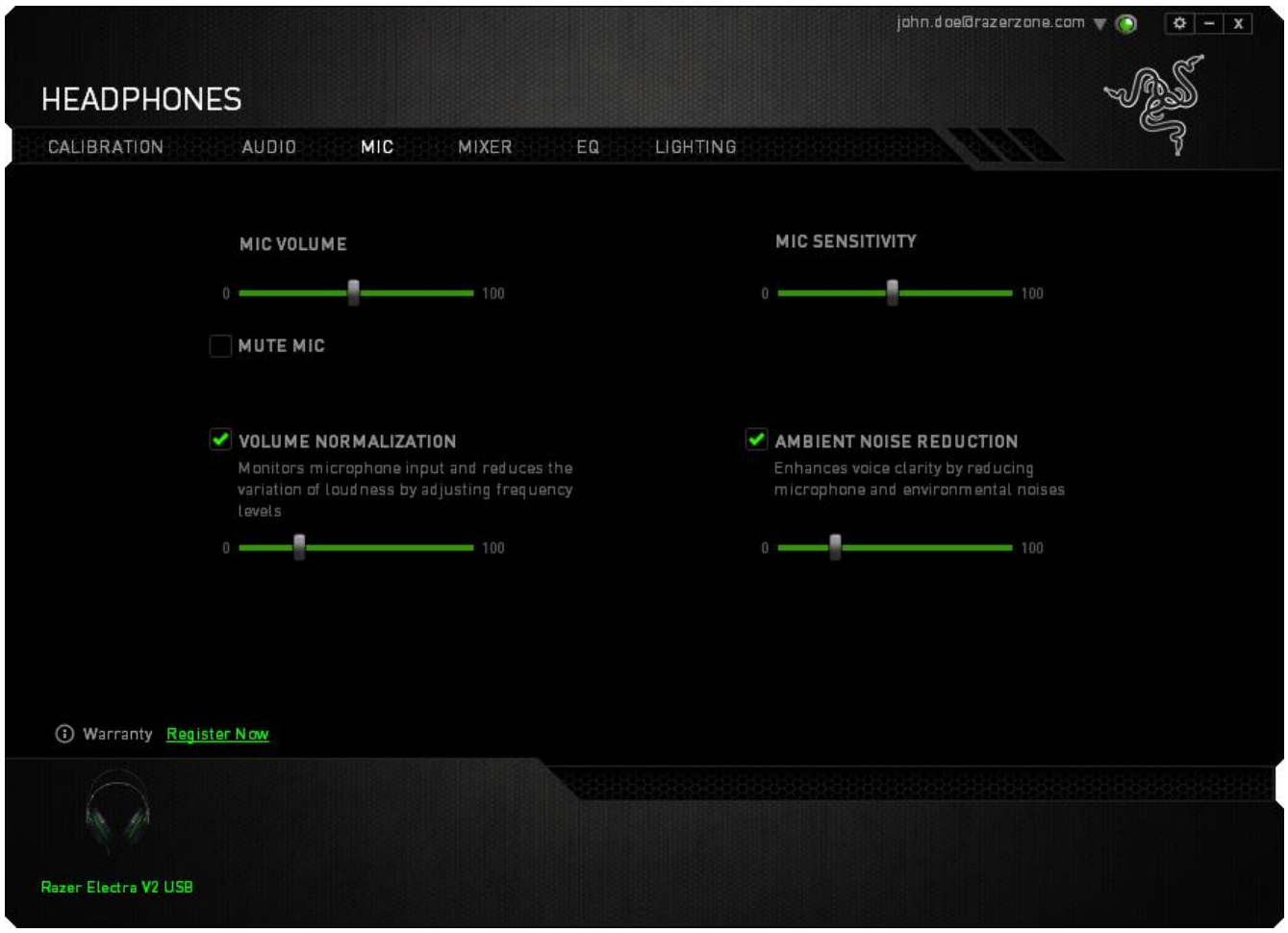


Using the various sliders, you can:

- 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.



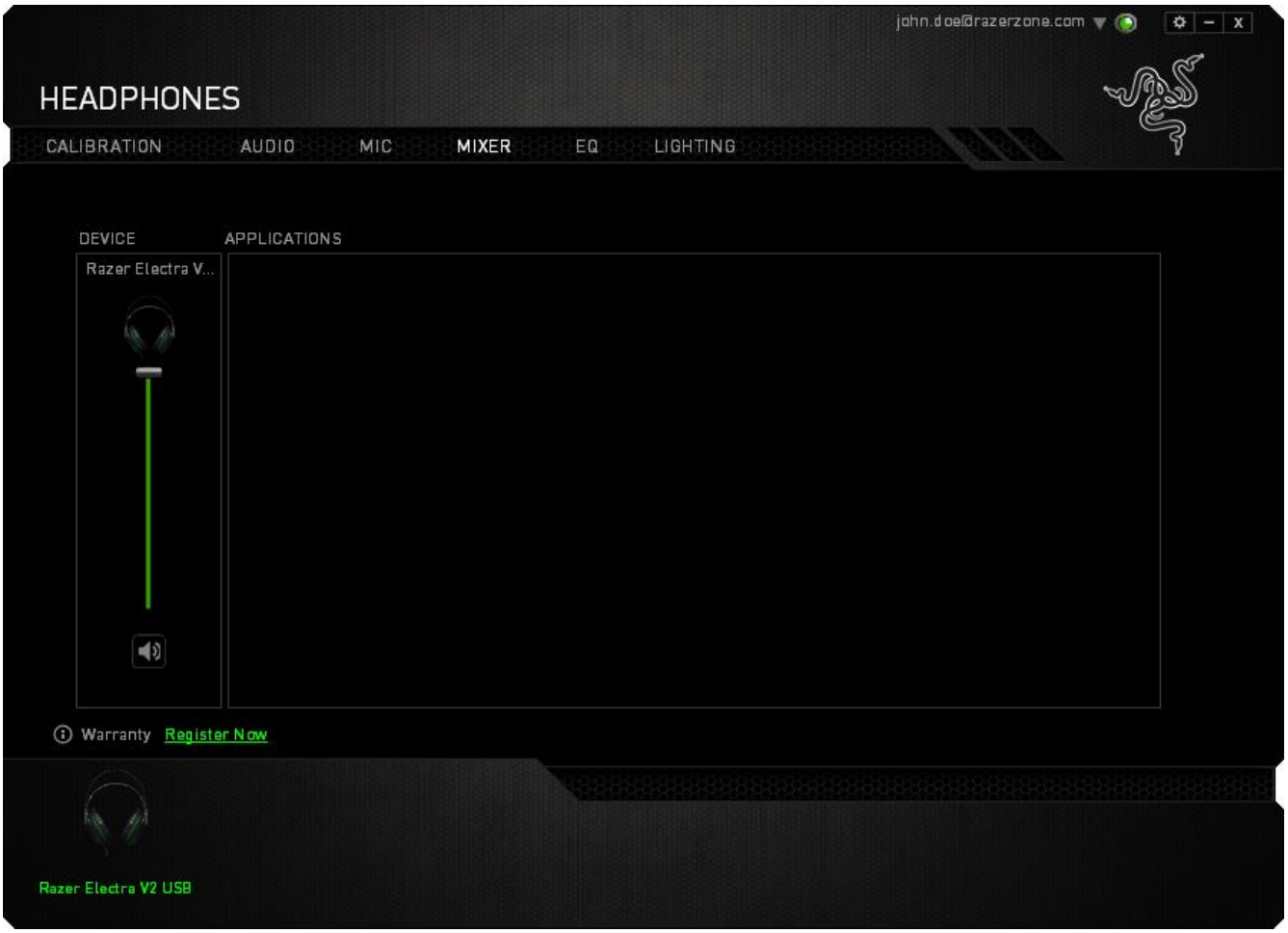
Using the various sliders and options you can:

- 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.

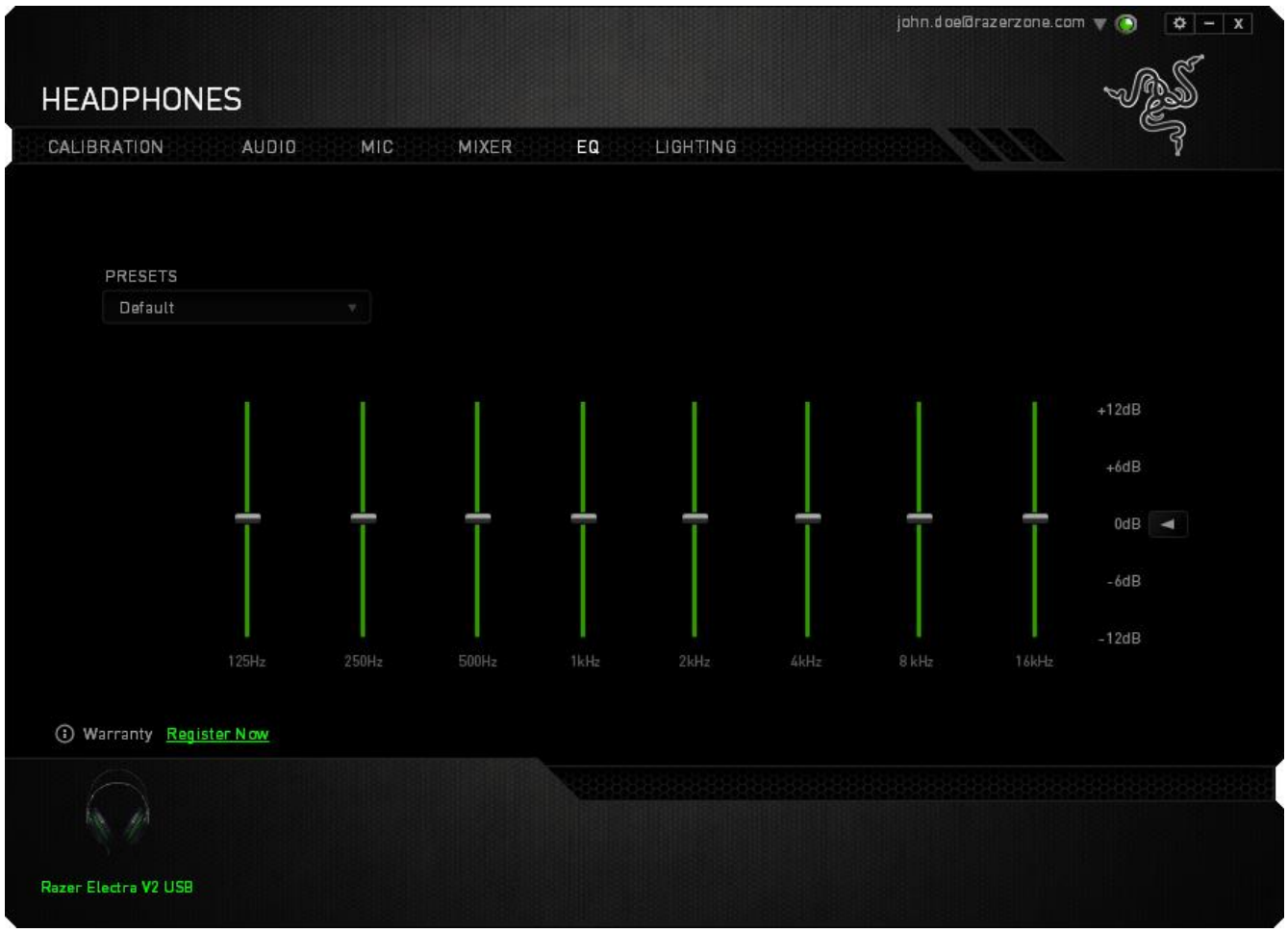
Note: The Mixer Tab is not available for Mac OS systems.



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

EQ TAB

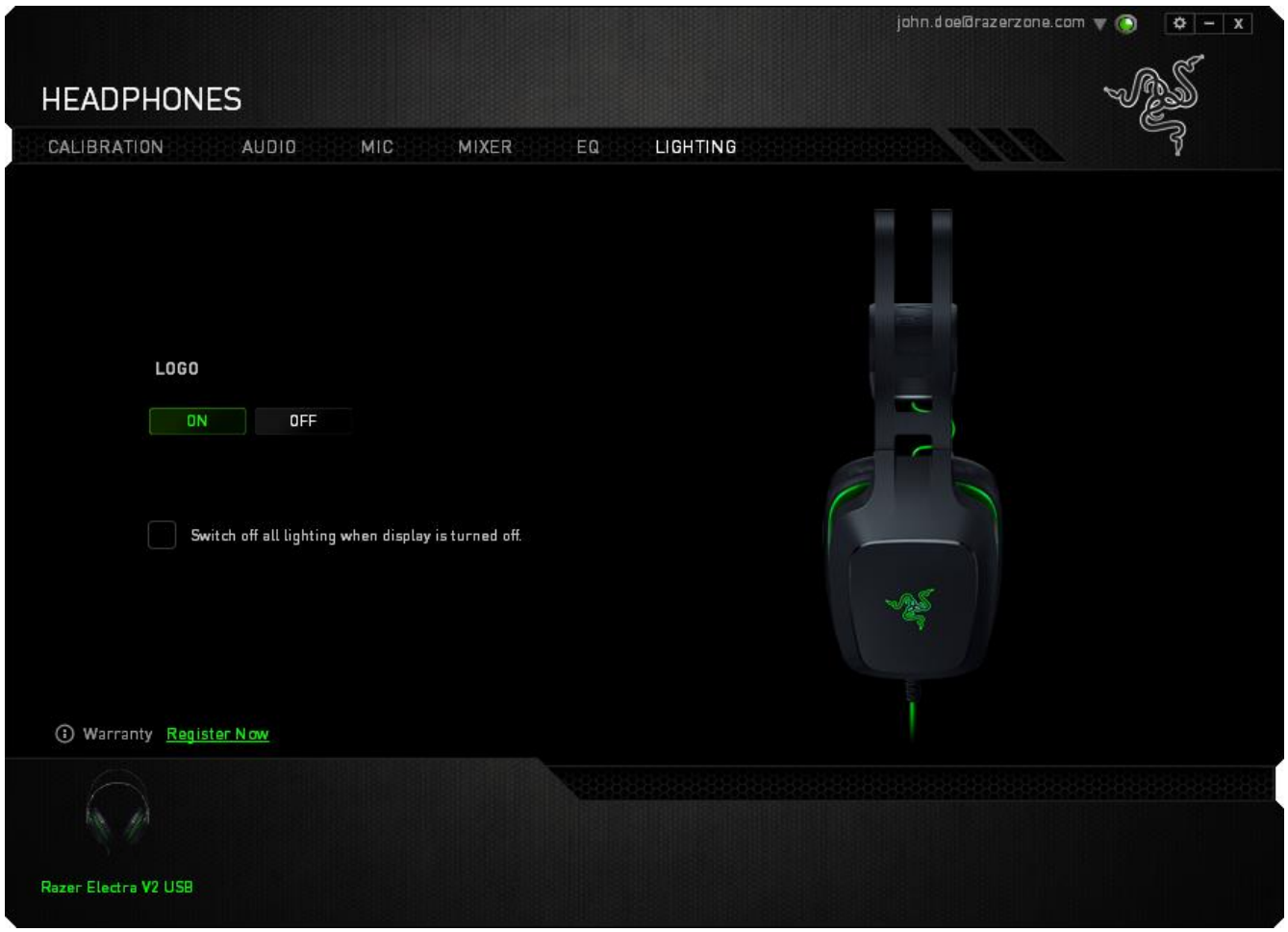
The EQ Tab lets you filter various audio frequencies, controlling the overall tone of your audio output.



A list of preset equalizer settings can be selected from the dropdown 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 allows you to configure the LEDs of your Razer Electra V2 USB. Simply toggle the ON or OFF options to enable or disable Logo lighting.



8. SAFETY AND MAINTENANCE

SAFETY GUIDELINES

In order to achieve maximum safety while using your Razer Electra V2 USB, 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 Electra V2 USB 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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GENERAL

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