

RAZER  
**SEIRĒN**



The Razer Seirĕn is a versatile multi-pattern USB digital microphone with the recording capabilities of a professional-grade studio setup all in a single device. With an aluminum base as a stabilizer, the mic sits securely on your home or studio desktop without the need of an additional mic stand setup, making it perfect for recording and streaming. The Razer Seirĕn delivers unmatched performance so your audience will always enjoy truly superior recording clarity. This Digital Microphone is designed to meet and exceed the rigorous expectations of the professional artist and musician in the studio, but also to be simple to use for the game streamer or professional YouTuber at home.

## TABLE OF CONTENTS

1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS.....	2
2. REGISTRATION / TECHNICAL SUPPORT.....	3
3. TECHNICAL SPECIFICATIONS.....	4
4. DEVICE LAYOUT.....	5
5. USING YOUR RAZER SEIRĒN.....	6
6. INSTALLING YOUR RAZER SEIRĒN.....	10
7. USING ACCESSORIES* WITH YOUR RAZER SEIRĒN.....	11
8. CONFIGURING YOUR RAZER SEIRĒN.....	13
9. SAFETY AND MAINTENANCE.....	14
10. LEGALESE.....	15

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## 1. PACKAGE CONTENTS / SYSTEM REQUIREMENTS

### ***PACKAGE CONTENTS***

- Razer Seirēn
- Desk stand
- Mini-USB to USB cable
- Important Product Information Guide

### ***SYSTEM REQUIREMENTS***

- PC/Mac with USB port
- Windows® 8 / Windows® 7 / Windows® XP (32-bit) / Mac OS X (10.7-10.9)
- Internet connection (for driver installation)
- At least 100MB of free hard disk space

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## 2. REGISTRATION / TECHNICAL SUPPORT

### **REGISTRATION**

Sign up now for a Razer Synapse account to get real-time information on your product's warranty status. To learn more about Razer Synapse and all its features, visit [www.razerzone.com/synapse](http://www.razerzone.com/synapse).

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

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

### **TECHNICAL SUPPORT**

What you'll get:

- 1 year limited manufacturer's warranty.
- Free online technical support at [www.razersupport.com](http://www.razersupport.com).

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### **3. TECHNICAL SPECIFICATIONS**

#### **MICROPHONE**

Power required / consumption: 5V 300mA

Sample rate: 192kHz

Bit rate: 24bit

Capsules: Three 14mm condenser capsules

Polar patterns: Stereo, cardioid, omnidirectional, bidirectional

Frequency response: 20Hz – 20kHz

Sensitivity: 12.5mV/Pa (1kHz)

Max SPL: 120dBA

#### **HEADPHONE AMPLIFIER**

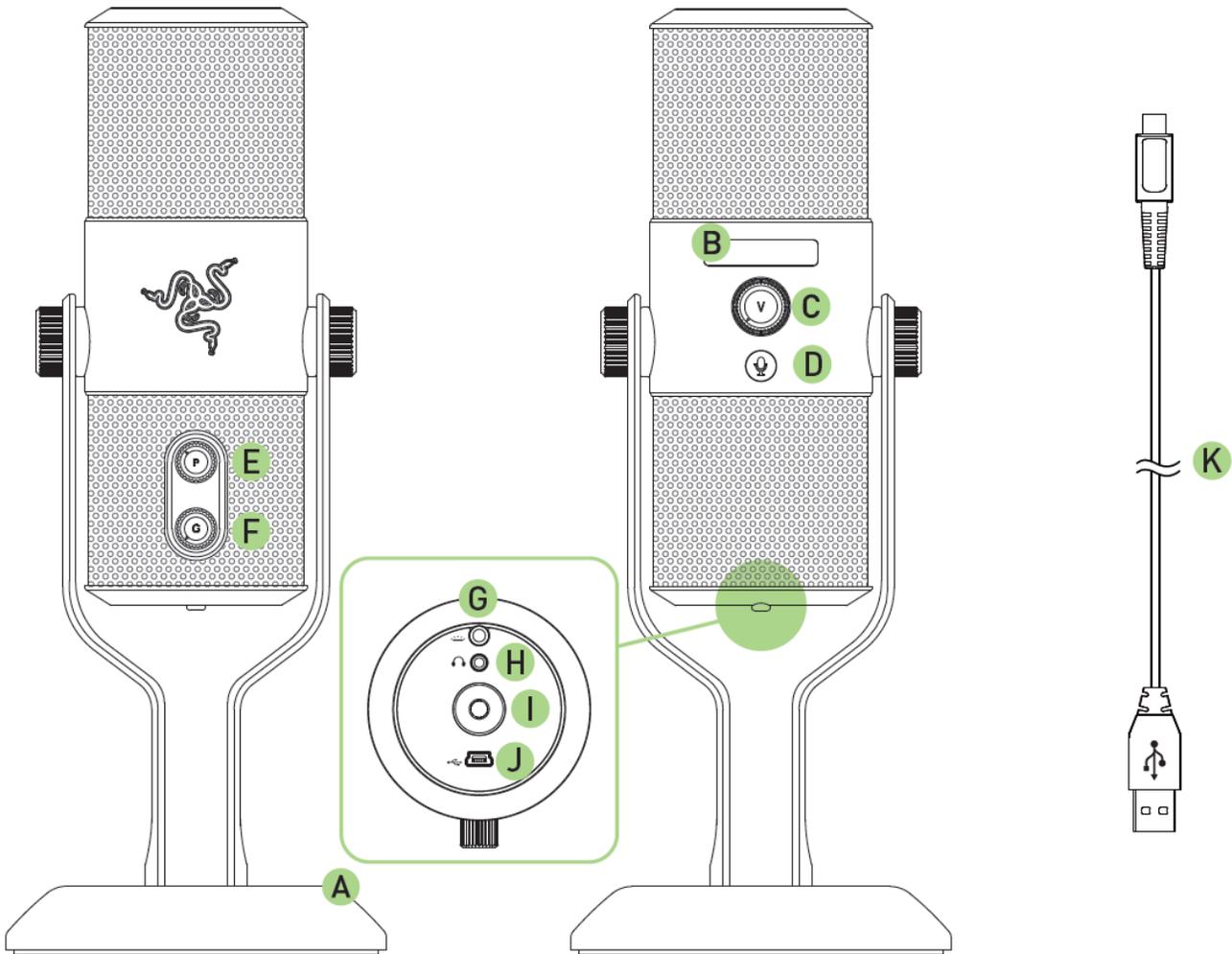
Impedance:  $\geq 16\text{ohms}$

Power output (RMS): 130mW (@16ohms)

Frequency response: 15Hz – 22kHz

Signal-to-noise ratio: 114dB

## 4. DEVICE LAYOUT



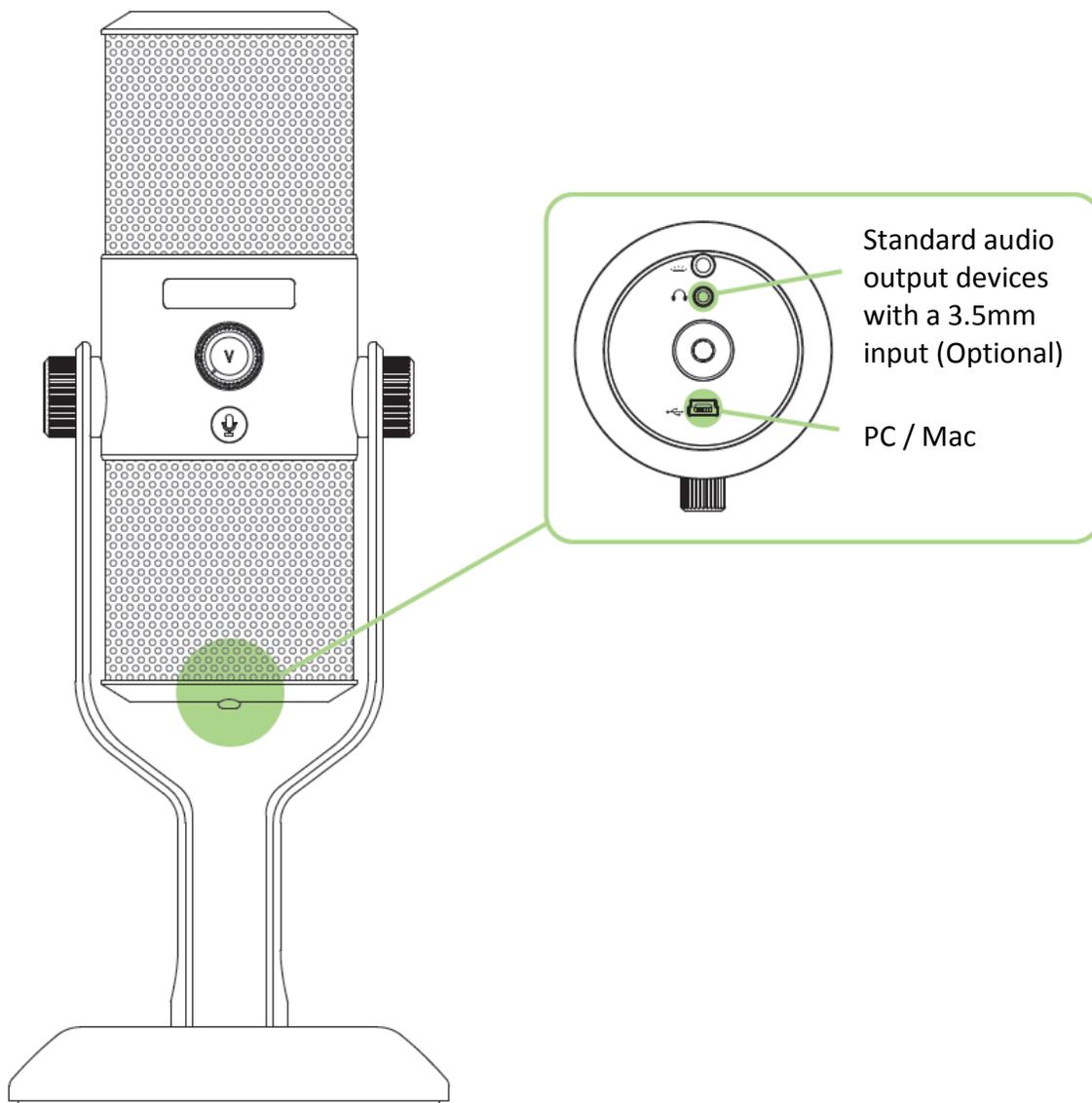
- A. Desk stand with adjustable knobs
- B. Status OLED display
- C. Headphone volume control
- D. Mute button (with LED)
- E. Microphone pickup pattern selector
- F. Microphone gain control
- G. Logo lighting switch
- H. 3.5mm audio connector
- I. Thread mount
- J. Mini-USB port
- K. Mini-USB to USB cable

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## 5. USING YOUR RAZER SEIRĒN

### SETTING UP YOUR RAZER SEIRĒN

#### 1. Connect your device to your PC



*Note: By connecting an analog audio output device (such as a headphone) via the 3.5mm connector, you can listen to the audio being recorded by your Razer Seirēn as it happens. Note that this does not play any audio from the PC directly.*

## 2. Secure your microphone.

Turn the desk stand mounting knobs until the microphone is upright and secured in place.

## 3. Set the microphone as the default recording device.

If you are using the Razer Seirēn for the first time, you may be required to set up the device as your system's default recording device.

### *For Windows users*

*Note: Windows users must install and login to Razer Synapse with a valid account in order to download the drivers necessary for the Razer Seirēn to function.*

Step 1: Install Razer Synapse from [www.razerzone.com/synapse](http://www.razerzone.com/synapse) to obtain dedicated microphone drivers.

Step 2: Select **Control Panel > Hardware and Sound > Manage audio devices** to view your **Sound** settings window.

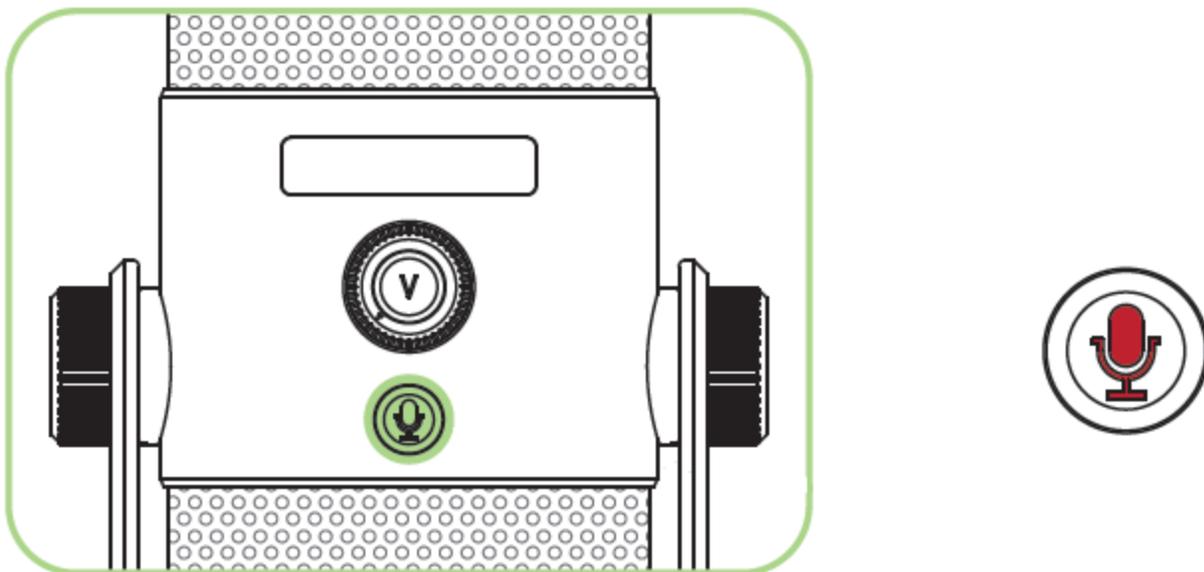
Step 3: In the Recording tab, select Razer Seirēn from the list and click the Set Default button.

### *For Mac users*

Step 1: Select **System Preferences > Sound** to view your **Sound** settings window

Step 2: In the *Input* tab, select Razer Seirēn from the list.

## **MUTING THE MICROPHONE**



The mic mute LED will light up in red when the microphone is muted.

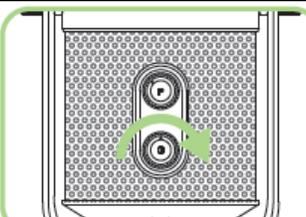
### ADJUSTING THE VOLUME

Action	OLED Display	Effect
		Increases headphone volume
		Lowers headphone volume

### ADJUSTING THE MICROPHONE GAIN

Microphone gain determines the sensitivity of the microphone when picking up recording source. We recommend beginning any recording with the gain knob centered, then adjusting the sensitivity till you achieve your desired result.

In general, change your pickup pattern or decrease your microphone gain if your microphone is picking up too much ambient noise and vice versa.

Action	OLED Display	Effect
		Increases microphone gain
		Decreases microphone gain

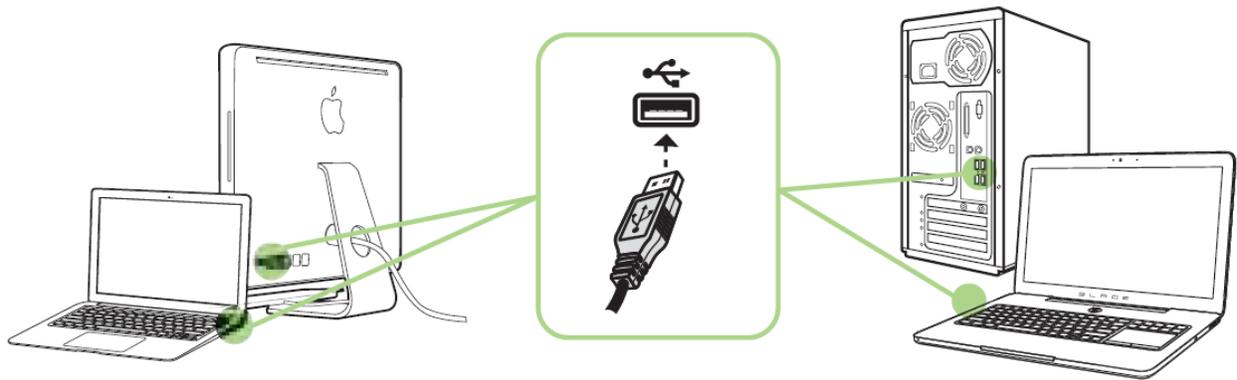
## SELECTING THE INPUT PATTERN

The Razer Seirēn supports 4 types of pickup pattern to suit your different recording needs. Turn the Microphone Pickup Pattern Selector to select an appropriate pickup pattern. The currently selected pattern will be displayed on the OLED. They include:

	Pattern	Sound Source / Direction	Recording Uses			
<b>Cardioid</b>			 Streaming	 Podcasts	 Voice over	 Instruments
<b>Stereo</b>			 Vocal	 Instruments		
<b>Omnidirectional</b>			 Conference Calls	 Event		
<b>Bidirectional</b>			 Interview	 Instruments	 Vocal Duets	

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## 6. INSTALLING YOUR RAZER SEIRĒN



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 [www.razerzone.com/synapse](http://www.razerzone.com/synapse).

Step 3: Create your Razer ID or login to Synapse with your existing Razer ID.

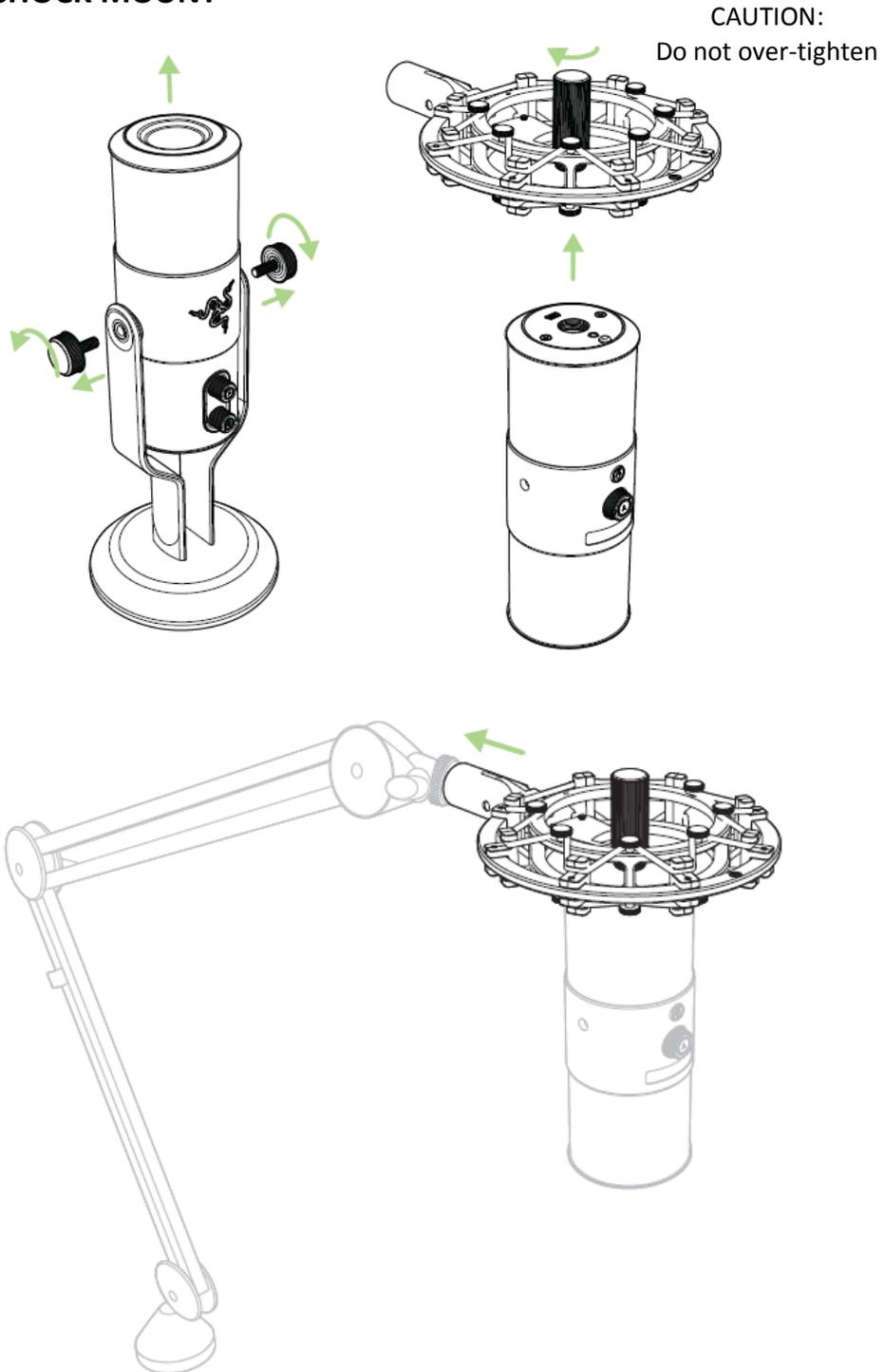
\*Applicable for Windows 8 or later.

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## 7. USING ACCESSORIES\* WITH YOUR RAZER SEIRĒN

\*Sold separately at [www.razerzone.com/store](http://www.razerzone.com/store)

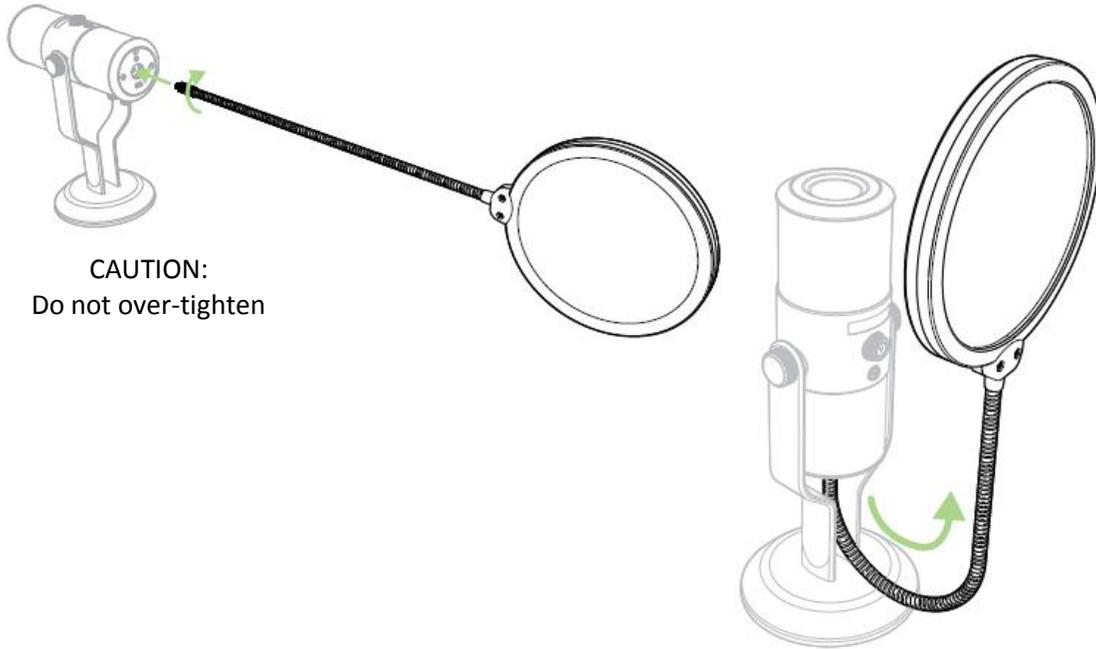
### INSTALLING THE SHOCK MOUNT



\*Mic stand not included

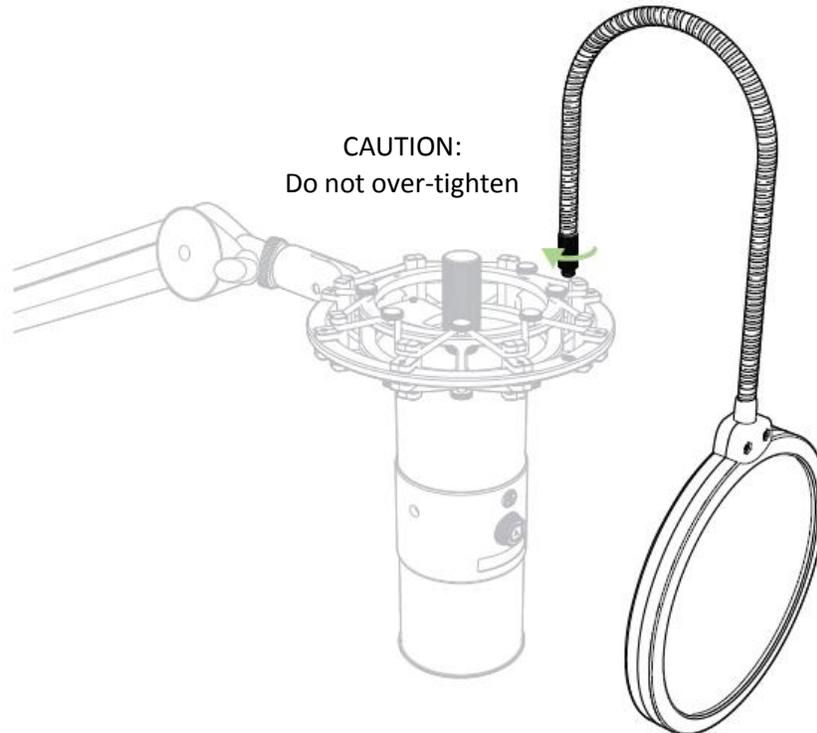
## INSTALLING THE POP FILTER

Desk Stand mode



CAUTION:  
Do not over-tighten

Mic Stand mode



CAUTION:  
Do not over-tighten

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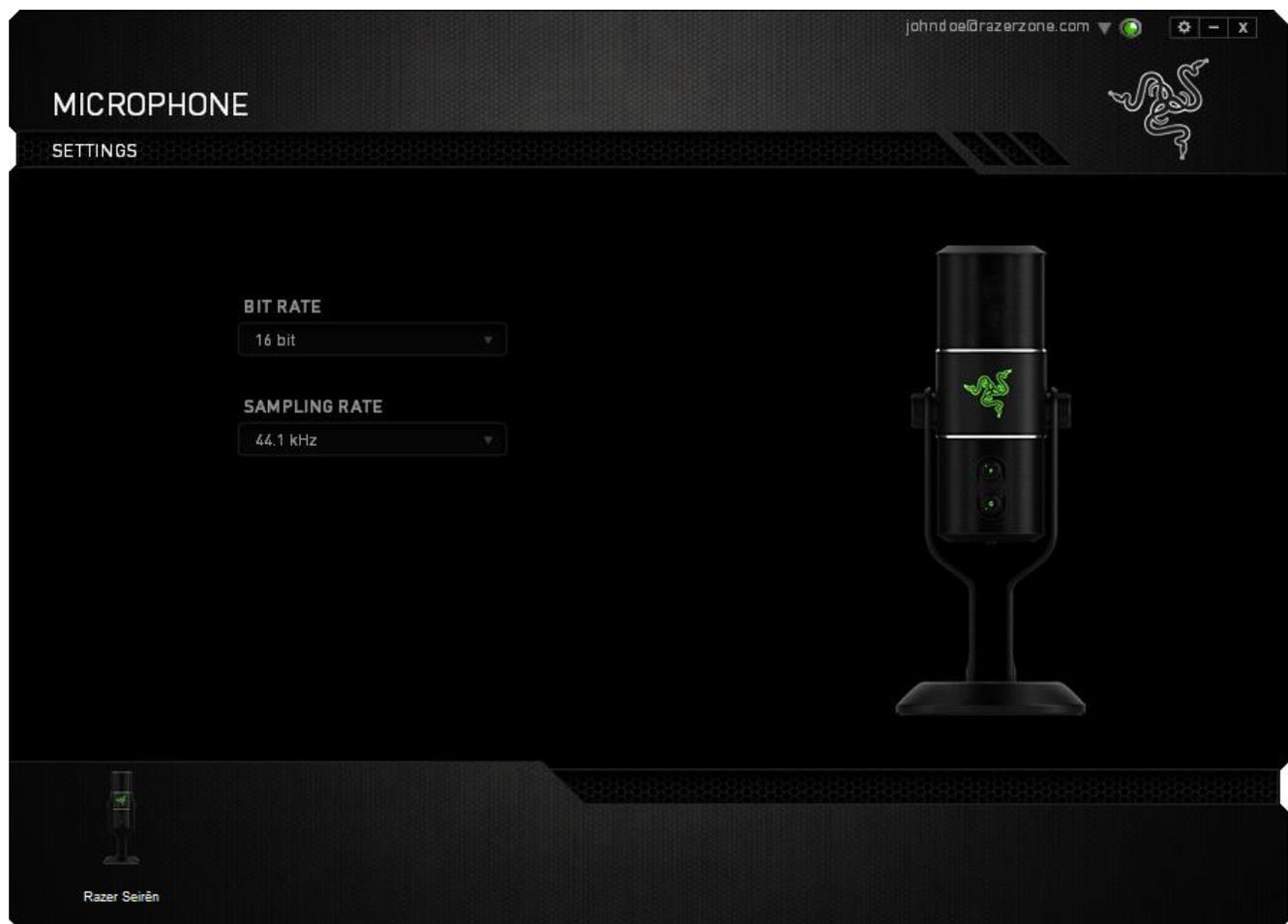
## 8. CONFIGURING YOUR RAZER SEIRĒN

*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 Seirĕn is equipped with various software customizable features to unleash its full power.

### **SETTINGS TAB**

The options in this tab allow you to control the quality of your final recording.



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## 9. SAFETY AND MAINTENANCE

### **SAFETY GUIDELINES**

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

1. Should you have trouble operating the device properly and troubleshooting does not work, unplug the device and contact the Razer hotline or go to [www.razersupport.com](http://www.razersupport.com) for support. Do not attempt to service or fix the device yourself at any time.
2. Do not take the device apart (doing so will void your warranty) and do not attempt to service it yourself or operate it under abnormal current loads.
3. Keep your device away from liquid, humidity or moisture. Operate your device only within the specified temperature range of 0°C (32°F) to 40°C (104°F). Should you operate it in a temperature that is beyond this range, unplug and switch off the device in order to let the temperature stabilize within the optimal temperature range.
4. 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 Seirēn requires minimum maintenance to keep it in optimum condition. Once a month we recommend you unplug the device 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.

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## 10. LEGALESE

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### ***LIMITED PRODUCT WARRANTY***

For the latest and current terms of the Limited Product Warranty, please visit [www.razerzone.com/warranty](http://www.razerzone.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.

### ***COSTS OF PROCUREMENT***

For the avoidance of doubt, in no event will Razer be liable for any costs of procurement unless it has been advised of the possibility of such damages, and in no case shall Razer be liable for any costs of procurement liability exceeding 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.