

ozone

# EKHO H80

PRO GAMING HEADSET

# ORIGEN



USER MANUAL

# FEATURES

1. Metallic headband inner structure.
2. Premium comfort improved earcups.
3. Unbeatable 7.1 virtual sound.
4. Origen team special edition.
5. Fully retractable LED microphone.
6. In-line controller.
7. Driver compatible with Windows 7, 8, 8.1 and 10.

## BOX CONTENT

1. Headphone with mic + inline controller with a USB connector.

## SPEAKER SPECS.

Driver Unit.....	53mm
Sensitivity.....	97 dB
Headphone Impedance.....	32 $\Omega$
Max Input.....	100mW
Frequency Response.....	10Hz - 20KHz

## MICROPHONE SPECS.

Directivity.....	Uni-directional
Microphone Sensitivity.....	-38 dB
Impedance.....	2.2k $\Omega$
Frequency Response.....	50Hz ~ 20KHz
Dimension.....	6 x 2,7mm

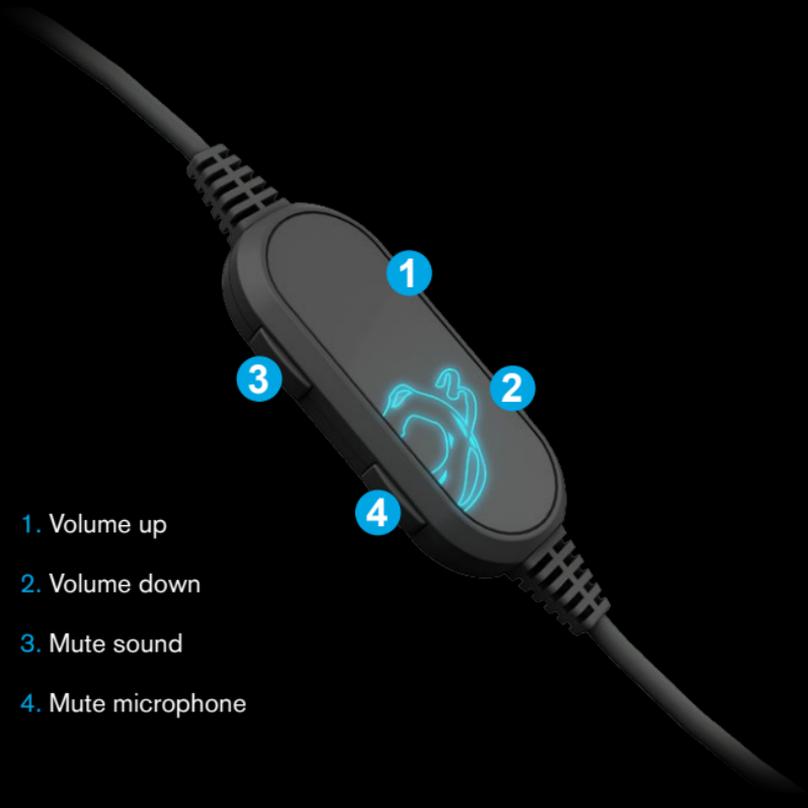
# INSTALLATION GUIDE

Ekho H80 Origen is compatible with PC.

1. Go to [www.ozonegaming.com](http://www.ozonegaming.com), search for **Ekho H80 Origen** and download the drivers and software.
2. Using the USB connector, plug the headset into any free USB port. Install the software following all the instructions in the installation window. Please note that the headset features an additional **sound card** which must be configured in the system settings as the default device for audio playback and recording.
3. Once the installation has been finished, open the **Ekho H80 Origen** software and configure the device to suit your playback and recording preferences.



# EKHO H80 INLINE CONTROLLER



- 1. Volume up
- 2. Volume down
- 3. Mute sound
- 4. Mute microphone

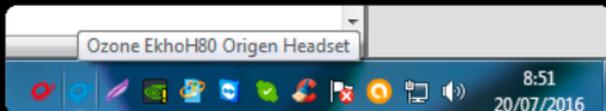


\* LED indicator on microphone:  
LED off when MIC is MUTED

# SOFTWARE GUIDE

## CONFIGURATION

In the tray, click OZONE logo to pop-up the Ekho H80 Origen Control Panel



Customize your own setting via adjusting the functions within control panel:

1. **SPEAKERS SETTINGS:** Right clicking in the speaker icon a new menu pop-up and you can choose between differents options to set up
2. **MICROPHONE SETTINGS:** Right clicking in the microphone icon a new menu pop-up and you can choose between differents options to set up

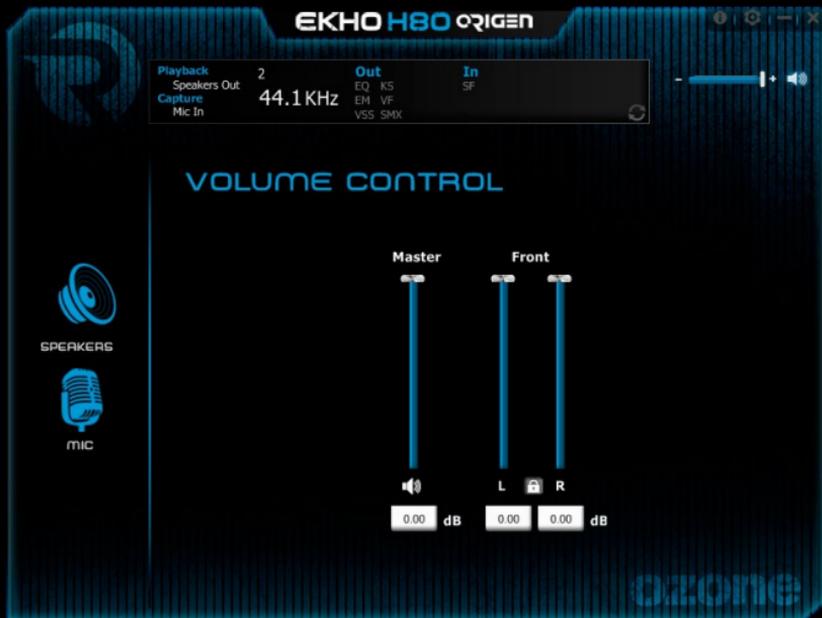


# CONFIGURATION

## SPEAKERS SETTINGS:

### 1. VOLUME CONTROL

Adjust the master and front volume with the sliders, you can mute or lock L and R channels clicking in the icons.



## 2. SAMPLE RATE

Choose the sample rate quality, you can choose between 44.1 KHz or 48 KHz sample rates.



The screenshot displays the EKHO H80 ORIGEN software interface. At the top, the title bar reads "EKHO H80 ORIGEN". Below the title bar, there is a control panel with the following settings:

Playback	2	Out	In
Speakers Out		EQ KS	SF
Capture	44.1 KHz	EM VF	
Mic In		VSS SMM	

Below the control panel, the main area is titled "SAMPLE RATE". It features two radio button options:  44.1 KHz and  48 KHz. Below these options is a waveform visualization showing a complex audio signal. On the left side of the interface, there are icons for "SPEAKERS" and "MIC". The "ORIGEN" logo is visible in the bottom right corner.

### 3. EQUALIZER

Choose the eq preset that suits more your gaming style or create a new one and store it in the manual input box.

The screenshot displays the 'EKHO H80 ORIGEN' software interface. At the top, there is a status bar with a volume slider and window controls. Below this, a control panel shows 'Playback' (Speakers Out, 2 channels, 44.1 KHz), 'Out' (EQ, KS, EM, VF, VSS, SMK), and 'In' (SF) settings. The main section is titled 'EQUALIZER' and features an 'Enable Equalizer' checkbox. Below the checkbox is a frequency response graph with a grid. The x-axis represents frequency in Hz (30, 60, 120, 250, 500, 1K, 2K, 4K, 8K, 16K) and the y-axis represents gain in dB (+20 dB, 0 dB, -20 dB). The graph shows a flat line at 0 dB. At the bottom, there are buttons for various presets: ACTION, RPG, FPS, MMORPG, MANUAL, AT WAR, MOBA, TALK, TREBLE, BASS, MUSIC, MOVIES, and DEFAULT. A text input field next to the 'MANUAL' button contains the placeholder text '\*Please input preset name...'. The 'ozone' logo is visible in the bottom right corner.

## 4. ENVIRONMENT EFFECTS

If you enable the environments effects, two new options will be available for you to set up. You can pick an environment to apply and manage the room size to have a better sound experience.

The screenshot displays the EKHO H80 ORIGEN software interface. At the top, the title bar reads "EKHO H80 ORIGEN". Below the title bar, there is a status bar with the following information:

Playback	2	Out	In
Speakers Out		EQ KS	SF
Capture	44.1 KHz	EM VF	
Mic In		VSS SMX	

Below the status bar, the main section is titled "ENVIRONMENT EFFECT". It features a toggle switch for "Enable Environment Effects" which is currently turned on. Underneath, there is a label "Environment" and a dropdown menu set to "Generic".

Below the environment settings, there is a label "Room Size" and three circular icons representing different room sizes: "Small", "Medium", and "Large".

On the left side of the interface, there are two icons: a speaker icon labeled "SPEAKERS" and a microphone icon labeled "mic".

In the bottom right corner, the "orzone" logo is visible.

## 5. 7.1 CH VIRTUAL SPEAKER

Setting on the 7.1 ch virtual speaker will give you full access to configure your sound channels individually. Clicking in the left side icons you can rotate and move the speakers to fit your sound preferences.

The screenshot shows the EKHO H80 ORIGEN software interface. At the top, the title bar reads "EKHO H80 ORIGEN". Below the title bar, there is a status bar with the following information:

Playback	Speakers Out	Out	In
2	44.1 KHz	EQ KS	SF
Capture		EM WF	
Mic In		VSS SMAX	

Below the status bar, the main title "7.1CH VIRTUAL SPEAKER" is displayed. Underneath, there is a checkbox labeled "Enable 7.1CH Virtual Speaker" which is currently unchecked. To the left of the main interface, there are two icons: "SPEAKERS" (represented by a speaker icon) and "MIC" (represented by a microphone icon). In the center, there is a circular diagram representing the 7.1 speaker layout with labels: L, R, LS, RS, Lb, Rb, C, and W. To the right of the diagram, there are volume sliders for each channel, all set to -4 dB:

Channel	Volume
L	-4 dB
R	-4 dB
LS	-4 dB
RS	-4 dB
Lb	-4 dB
Rb	-4 dB
C	-4 dB
W	-4 dB

At the bottom right of the interface, the "ORIGEN" logo is visible.

## 6. SOUND FX

You can adjust the sound special effects clicking in the desired box and moving the sliders to configure the key shifting and vocal fading effects.



## 7. SURROUND MAX

You can turn on the surround max feature clicking in the box but only if you previously turned on the 7.1 ch virtual speaker.

The screenshot shows the EKHO H80 ORIGEN audio control interface. At the top, the brand name "EKHO H80 ORIGEN" is displayed. Below it, a status bar shows "Playback" with "Speakers Out" set to 2 and "Capture" with "Mic In" set to 44.1 KHz. To the right, there are "Out" and "In" settings: "EQ KS", "EM VF", "VSS SMX" under "Out", and "SF" under "In". A volume slider is visible on the right side.

The main section is titled "SURROUND MAX" and contains a toggle switch labeled "Enable Xear Surround Max". Below this, there is a diagram showing a speaker icon connected to a circular area representing the sound field, with a microphone icon in the center.

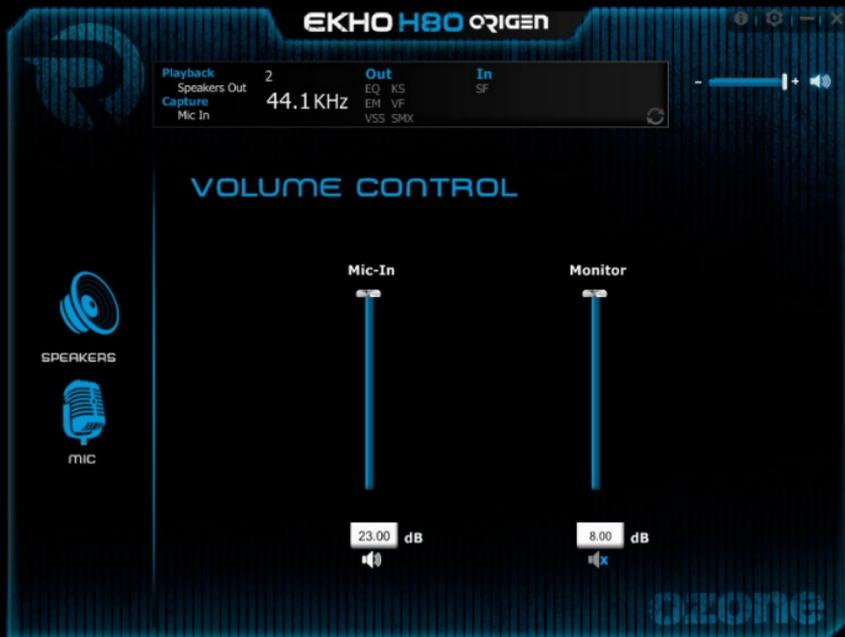
On the left side, there are two icons: "SPEAKERS" (a speaker icon) and "MIC" (a microphone icon).

At the bottom, an information icon (i) is followed by the text: "Surround Max can only be enabled when 7.1CH Virtual Speaker setting is turned on."

## MICROPHONE SETTINGS:

### 1. VOLUME CONTROL

Adjust the mic-in and monitor volume with the sliders, you can mute them clicking in the icons.



## 2. SAMPLE RATE

Choose the sample rate quality, you can choose between 44.1 KHz or 48 KHz sample rates.



### 3. VOICE EFFECTS

Enable the voice effects clicking on them. Set the microphone echo moving the slider and choose a magic voice effect clicking in the desired icon.



## 4. MICROPHONE BOOST

This feature is enabled by default, to disable it just click on the box.



### WEEE NOTICE:

Symbol for Separate Collection in European Countries.

This symbol indicates that this product is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.





**ozone**

*it's all about* **EVOLUTION**

[WWW.OZONEGAMING.COM](http://WWW.OZONEGAMING.COM)