

 **REAL-EL**

**USER'S MANUAL**



**GAMING STEREO HEADPHONES**

**GDX-8000 VIBRATION  
SURROUND 7.1 BACKLIT**

***Congratulations on your purchase of the REAL-EL stereo earphones!***

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## **APPLICATION**

**GDX-8000 Vibration Surround 7.1 Backlit** gaming stereo headset with microphone provides playback of realistic and surround sound 7.1, which allows to feel full power of special effects and the full effect of presence in the game.

## **PACKAGE CONTENTS**

- Stereo headphones – 1 pc
- User's Manual – 1 pc
- Warranty card – 1 pc

## **SAFETY PRECAUTIONS**

- Don't use the stereo headphones while driving.
- Don't use the stereo headphones at high volume for a long time, as this may cause hearing impairment.

## **SPECIAL FEATURES**

- Vibro Bass with level control
- Virtual Surround Sound 7.1
- Powerful realistic sound
- Connection and audio transmission via USB
- Adjustable headband and microphone
- Headphone and microphone backlit
- Fabric braided cable
- Remote control in cable

## REMOTE CONTROL

- ① (Speaker icon): Vibro Bass ON/OFF and level control button
- ② + : earphones volume level increase button
- ③ - : earphones volume level decrease button
- ④ (Power icon): earphones on/off button
- ⑤ (Light icon): backlit on/off button
- ⑥ (Microphone icon): microphone on/off button

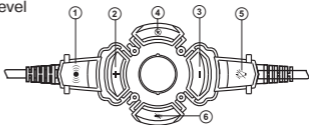


Fig. 1. Remote control

## CONNECTION AND OPERATION

- Connect the headphones USB connector to the audio jack of your audio source (PC sound card, laptop, MP3 player, etc.), as shown in Fig. 2. Installing drivers for the headset is not required, Plug & Play device!

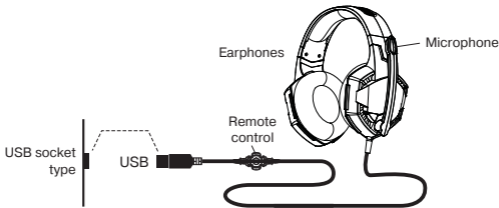


Fig. 2. Connection diagram

## SOFTWARE DESCRIPTION

- Pls download the software from [www.real-el.com](http://www.real-el.com) to expand the functionality of the headset (the installation is optional, headset is plug&play).
- When you connect the headset to a PC system will detect the device automatically.



Fig. 3



Fig. 4

• The sound system settings the device will be displayed in the devices for playback and recording. After installing the software, the included additional features become available. To enable it, right-click on the image the speaker or microphone. When the headset is connected to the Windows taskbar will display the program logo. Right button clicking on it will displayed the context menu.

- ① EQ – Equalizer. Available 11 presets and the ability to save custom settings.
- ② EM – Environment Effect (environment effects). Spatial audio processing: reverb and echo. 27 available options emulation different environments, as well as three variants room size.
- ③ VSS – Virtual Speaker Shifter. This feature enables the emulation of the circular motion of the sound source (virtual speaker), as well as removal and approach the source to the listener. There is an opportunity to move separately seven virtual speakers.



Fig. 5

- ④ KS – Key Shifting (pitch offset). The ability to increase and decrease the playback sound tone. Four semitone up or down (see Fig. 4).
- ⑤ VF – Vocal Fading (attenuation vocals). The decoding of the reproduced signal to partially remove vocals from songs (see Fig. 4).
- ⑥ SMX – Xear Surround Max. This involves emulation of multi-channel 7.1 surround, stereo distributing eight virtual channels. This effect will be noticeable when playing video with multichannel audio stream.
- ⑦ SF – Sing FX. This feature is included in the microphone settings. It includes the effect of a delay (echo) from the microphone signal and the «magical voice» – four variants of voice changes timbre (see Fig. 5).
- To listen to the signal from the microphone, select the microphone volume screen, there adjust the input level (slider «volume when recording»), and the monitor volume («Volume Control» slider) (see Fig. 6).



Fig. 6

- By clicking on the round icon with two arrows in the lower right corner of the display at the top of the interface, you will have access to the preset sound settings with the ability to save custom settings (profile) (see. Fig. 7).



Fig. 7

## TECHNICAL SPECIFICATIONS

Parameter, measurement unit	Value
Sensitivity, dB	earphones: $108 \pm 3$ microphone: $-58 \pm 3$
Frequency range, Hz	earphones: 20 – 20 000 microphone: 30 – 16 000
Impedance, Ohm	32
Membrane, mm	$\varnothing 50$
Cable length, m	$2.2 \pm 5 \%$
Weight, g	340

**Notes.** Technical specifications given in this table are supplemental information and cannot give occasion to claims. Technical specifications and package contents are subject to change without notice due to improvement of TM REAL-EL production.



Model: **GDX-8000 VIBRATION SURROUND 7.1 BACKLIT**

Manufacturer: ENEL GROUP OU, Joe tn 5-39, Tallinn, Harjumaa 10151, Estonia.  
Made in China.

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