

 **REAL-EL**

**USER'S MANUAL**



**WIRELESS STEREO EARPHONES**

**Z-4020 BT**

***Congratulations on your purchase of the SVEN stereo earphones!***

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## **APPLICATION**

**Z-4020 BT** wireless stereo earphones with a microphone are designed for operation with compatible systems (PC, notebooks and other mobile devices\*) by data transmission via Bluetooth protocol. This enables to connect wireless earphones to compatible devices (not more than two devices at one time). For this purpose, it is necessary preliminary to carry out the primary interface of earphones with each of devices via Bluetooth protocol. Maximum radius of action of data transfer is up to 10 m.

## **PACKAGE CONTENTS**

- Stereo headphones – 1 pc
- USB to micro USB power cable – 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**

- 4.1 Bluetooth wireless signal transmission
- Comfortable lightweight design
- Track and volume control when listening to music
- Call acceptance/Pause button on the cable
- Capability to control incoming calls (during use with a mobile telephone)
- Standard micro USB connector for headphones charging

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\* On condition that they support Bluetooth technology.

**CONTROL PANEL DESCRIPTION**

- ① : earphones ON/OFF button; phone call acceptance; Playback / Pause; call control button
- ② + : volume level increase button; next track
- ③ LED indicator
- ④ Micro USB port for charging
- ⑤ - : volume level decrease button; previous track
- ⑥ Microphone (from the back)

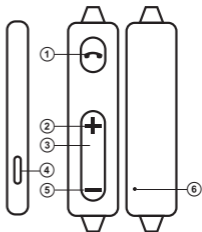


Fig. 1. Control panel design

**CONNECTION AND OPERATION**

**Attention! Built-in battery must be charged completely prior to the earphones operation. Make sure that earphones are turned off before battery charging. Do not try to extract or replace the battery on the earphones, this may cancel the warranty or break the device.**

**Battery charging**

- Connect the earphones connector ④ to a USB port of PC or USB charger using USB to micro USB cable (included). During battery charging indicator ③ is red.
- When the device is charged in full, indicator ③ is turned off.
- In case of battery charge level is low repeats signal appers and LED indicator ③ blinks red.

**Earphones switching on/off**

- To switch on the earphones press and hold button ①. During switching on indicator ③ blinks blue color and sounds voice signal. To switch off the device press and hold button ①. LED ③ indicates red and sounds voice signal.

## Interfacing

**Attention! Make sure the audio source to which the earphones will be connected supports Bluetooth technology. Some PC operation systems or laptops may require drivers or software (not included) for interfacing with earphones on Bluetooth technology. For more detailed information on connectivity features, refer to the manual of the operating system. Earphones do not require any drivers.**

- To transmit a signal via Bluetooth it is necessary to connect the device with a signal source (see connection diagram in Fig. 2). For this purpose turn on the earphones and not releasing button ① wait for the search mode to be activated – LED indicator ③ indicates blue and red alternate.
- Select the search mode on a signal source (telephone, notebook, smartphone, etc.). “Z-4020 BT” will be displayed on the devicelist, need to choose it and make connection\*.
- When connection is successful, there will be vocal signal. If no device connected, the earphones will be turned off automatically in 10 minutes. To interface devices, the earphones should be turned on again to the search mode\*\*.
- LED indicator ③ on the earphones blinks blue during the data exchange with a device connected via Bluetooth.

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\* You might have to enter “0000” code to connect some models of devices via Bluetooth.

\*\* If the item has been already registered in the device list of a source, then the second search mode activation is not needed. Choose only the item name and the “connect” command on the source.

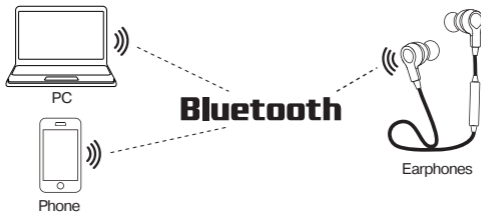


Fig. 2. Connection diagram

### Control phone calls and musical tracks

With devices which support Bluetooth technology:

- in Bluetooth mode, short press button ① activates Playback, repeated short pressing button ① activates the Pause;
- short press buttons ② and ⑤ for volume control;
- press and hold the button ② within 2 seconds switches to next track, press and hold the button ⑤ within 2 seconds, switches to previous track.

When interfacing with a telephone:

- press button ① to accept an incoming call; press button ① once more to finish the call;
- press button ① twice to reject an incoming call;
- if button ① is pressed twice in the standby mode the last call is dialed.

#### Note.

- ***If your caller hears you badly bring the microphone nearer, because the earphones are equipped with the omnidirectional microphone, which is able to receive all ambient noises.***

**INDICATION AND SOUND NOTIFICATIONS**

Status	Light indicator	Sound notifications
Battery charging	Red lighting	–
Fully charged	Not lighting	–
Standby mode	Blue blinks frequently	–
Playback mode	Blue blinks not frequently	–
Battery low	Red blinks	Vocal signal repeats often
Connection	Blue and red alternation	–
Earphones turning on	Blue blinks	Vocal signal
Earphones turning off	Red blinks	Vocal signal
Call acceptance	Blue blinks not frequently	Telephone call

## TECHNICAL SPECIFICATIONS

Parameter, measurement unit	Value
Sensitivity, dB	earphones: $92 \pm 3$ microphone: $-42 \pm 3$
Frequency range, Hz	earphones: 20 – 20,000 microphone: 100 – 10,000
Impedance, Ohm	32
Membrane, mm	Ø 10
Connection type	Bluetooth 4.1
Bluetooth supported profiles	A2DP, AVRCP, HSP, HFP
Radius of operation, m	up to 10
Battery operation time, hours	up to 5
Power supply: Li-polymer battery, mAh USB, V	60 DC5
Standby time, hours	up to 200
Charging time, hours	up to 2
Cable length, m	0.65
Weight, g	20

**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: **Z-4020 BT**

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