

**REAL-EL**

**USER MANUAL**



**2.0 USB MULTIMEDIA  
SPEAKER SYSTEM**

**S-90**

## ***Congratulations on your purchase of the REAL-EL speaker system!***

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### **1. BUYER RECOMMENDATIONS**

- Unpack the device carefully. Make sure there are no accessories left in the box. Check up the device for damage; if the product was damaged during transportation, address the firm, which carried out the delivery; if the product functions incorrectly, address the dealer at once.
- Check up the package contents and availability of the warranty card. Make sure the warranty card has a shop stamp, a legible signature or the seller's stamp and purchase date, and the goods number corresponds to that in the warranty card. Remember: in case of warranty card loss or discrepancy of numbers you forfeit the right for warranty repairs.
- Do not switch on the speaker system immediately after you bring it into a room from environment with negative temperature! After unpacking, the speaker system should be kept in conditions of room temperature for at least 4 hours.
- Before installing and using the speaker system, read this Manual carefully and keep it for future reference.

### **2. PACKAGE CONTENTS**

- 2.0 USB Multimedia Speaker System – 1 pc
- User manual – 1 pc
- Warranty card – 1 pc

### 3. SAFETY PRECAUTIONS

- Do not open the multimedia speaker system (MSS) and do not perform repairs by yourself. Service and repairs should be performed only by qualified specialists at authorized service centers. The list of authorized service centers is on [www.real-el.com](http://www.real-el.com)
- Make sure that foreign objects do not get inside the holes of the MSS.
- Protect the MSS from high humidity, water and dust.
- Protect the MSS from heating: do not place it closer than 1 m from a heat source. Do not expose it to direct sunlight.
- Do not use any chemical agents for cleaning. Clean it with dry soft cloth only.
- If the MSS does not operate, unplug USB cable it and address your dealer.

### 4. TECHNICAL DESCRIPTION

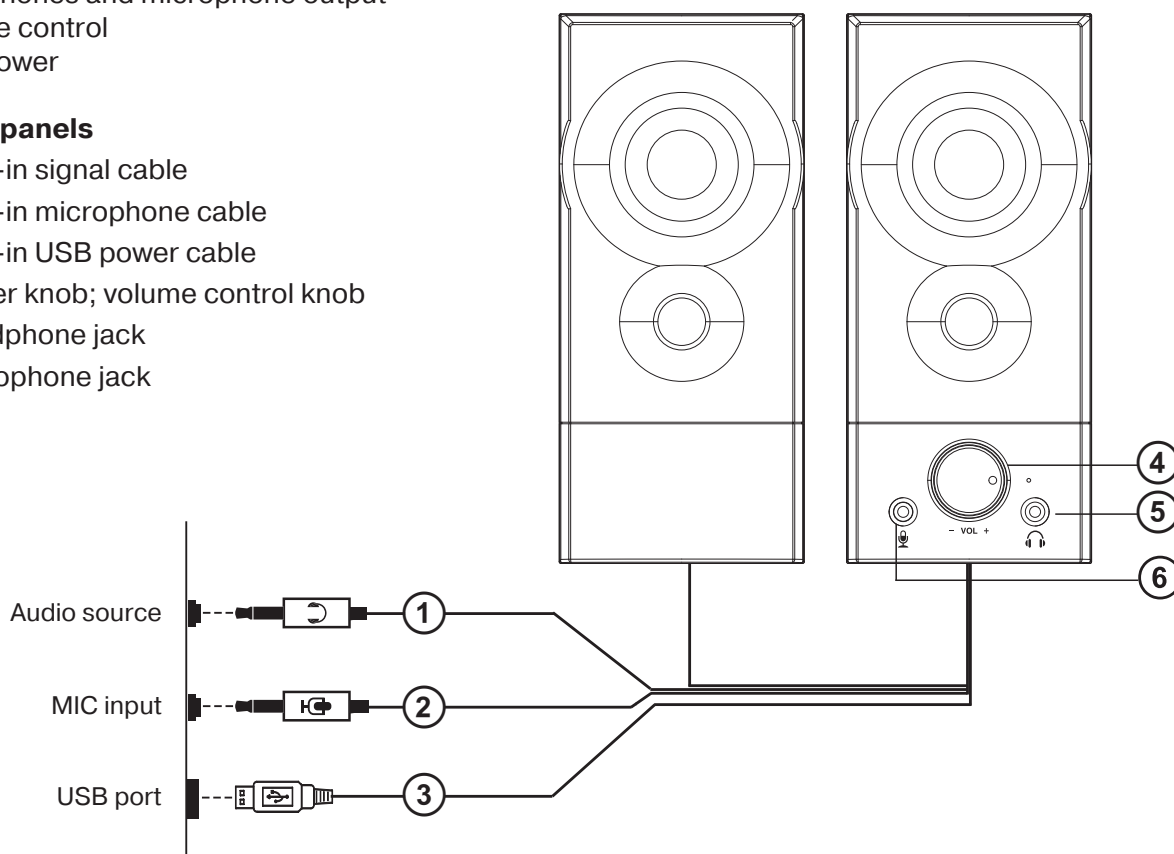
Multimedia Speaker System S-90 is an easy and reasonable solution for your computer sound. The MSS has a built-in amplifier, an audio cable and a signal cable enabling to connect it to virtually any audio source. The MSS is powered via a PC or laptop USB port or a 5V DC power supply by means of the integrated USB cable.

### SPECIAL FEATURES

- Compact design plastic speakers
- High quality speaker driver
- Headphones and microphone output
- Volume control
- USB power

### Control panels

- ① Built-in signal cable
- ② Built-in microphone cable
- ③ Built-in USB power cable
- ④ Power knob; volume control knob
- ⑤ Headphone jack
- ⑥ Microphone jack



**Fig. 1. Connection diagram**

## 5. PREPARATION AND OPERATION

### Speaker placement

- Place the speakers symmetrically to the listener at least one meter away.
- Place MSS far away from monitors and TV sets, as insignificant image distortion in these supersensitive devices is possible.

### MSS Connecting

Multimedia Speaker System (MSS) can be connected to USB port on your computer or laptop (see connection diagram, Fig. 1).

- Plug USB cable ③ to the USB port on your computer or laptop.
- Plug signal cable mini jack ① to PC sound card or to audio output of the audio source.
- Adjust speaker volume level by Windows tools or using volume control at your own discretion.

*Note: Connect the speakers to USB port of your laptop or PC otherwise please use active USB-hub.*

## 6. TROUBLESHOOTING

Problem	Cause	Solution
The MSS does not turn on.	The MSS isn't connected to a USB port.	Check the connection.
No sound or sound of speakers is too quiet.	Volume level is set at its minimum value.	Adjust the volume control knob.
	Improperly connected audio source.	Connect audio sources correctly.
Distortion of sound.	Large amplitude of the input signal.	Turn down the source volume and the MSS volume.

*Attention! If none of the above methods can solve the problem, please seek professional advice at your nearest service center. Never attempt to repair the product yourself.*

## 7. TECHNICAL SPECIFICATIONS

Parameter, measurement unit	Value
Output power (RMS)	6 (2 × 3) W
Frequency range	90 – 20.000 Hz
Speaker dimensions	Ø 45 mm
Connection	Ø 3.5 mm
Power supply	USB / 5V DC
Case material	ABS plastic
Dimensions (one speaker)	77 × 176 × 91 mm
Weight	0.55 kg

### 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 the improvement of REAL-EL production.



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