



OPERATION MANUAL



2.0 MULTIMEDIA SPEAKER SYSTEM **S-450**

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.
- 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 Multimedia speaker system — 1 pc
- 2RCA to 2RCA signal cable — 1 pc
- 2RCA to mini-jack signal cable — 1 pc
- FM antenna — 1 pc
- Remote control (RC) — 1 pc
- User's manual — 1 pc
- Warranty card — 1 pc

3. SAFETY PRECAUTIONS

- Do not open the portable speaker system (PSS) 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
- Make sure that foreign objects do not get inside the holes of the PSS.
- Protect the PSS from high humidity, water and dust.
- Protect the PSS 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.
- In case of PSS does not work properly. Please contact place of purchase or service center.

Special features

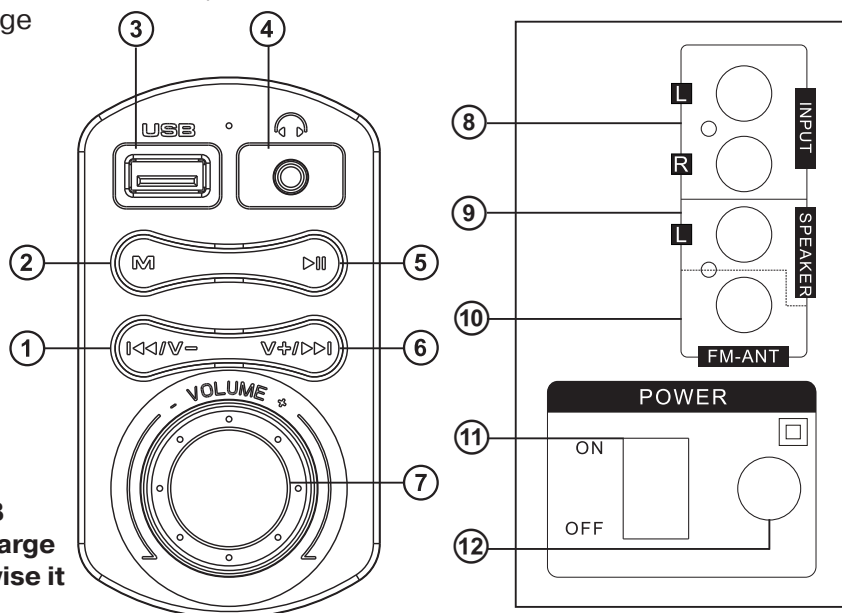
- Bluetooth audio transmission
- FM radio
- Remote control
- Headphones output
- USB Flash music playback
- AUX connection for use with PC, TV and other sources
- Wooden case

4. TECHNICAL DESCRIPTION

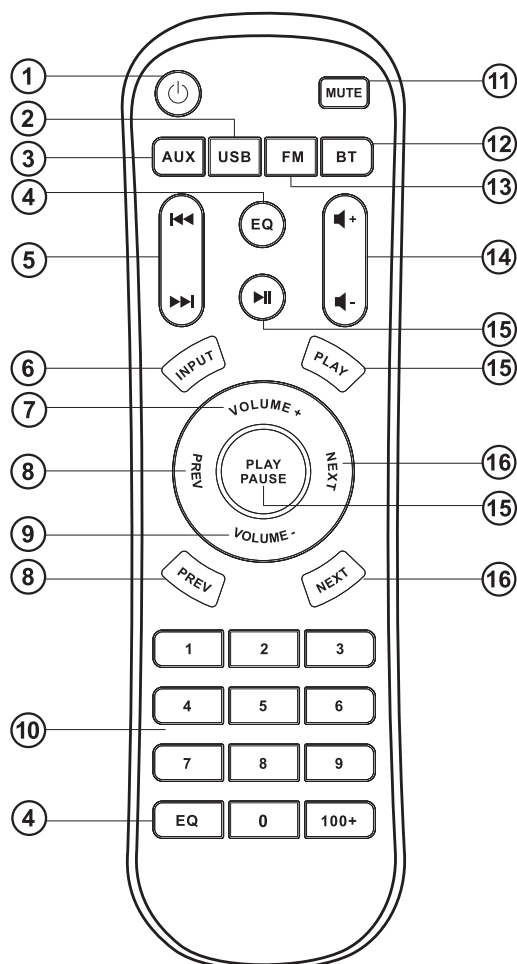
Control panel

- ① **⏮/V-** : Previous track (short press); Switch to the previous station (short press in FM mode); Volume adjust (long press to change the volume level).
- ② **M** : Switching modes button Bluetooth/FM/USB/AUX.
- ③ USB port * .
- ④ Headphone jack.
- ⑤ **⏸** : Play/Pause button (short press in Player mode); Start auto scan (long press in Radio mode).
- ⑥ **V+/⏭**: Next track (short press in Player mode); Switch to the next station (short press in FM mode); Volume adjust (long press to change the volume level).

- ⑦ VOL-/+: Volume up/down.
- ⑧ INPUT: Connection to PC, mobile devices, and other audio sources.
- ⑨ SPEAKER: Passive speaker connection
- ⑩ FM ANT: Radio antenna input
- ⑪ ON/OFF : Power switch.
- ⑫ Power cord.



***Attention! USB output is for USB Flash connection only! Do not charge any device using this port otherwise it**



Remote control

- ① : ON/OFF button.
- ② USB mode selection.
- ③ AUX input mode selection.
- ④ EQ: Select EQ mode.
- ⑤ Next / Previous track (in Player mode); Next / Previous station (in Radio mode)
- ⑥ INPUT: Switching modes button Bluetooth/FM/USB/AUX.
- ⑦ VOL+ Volume increase button.
- ⑧ PREV: Previous track (in Player mode); Previous station (in Radio mode).
- ⑨ VOL- Volume decrease button.
- ⑩ 0-9: Numeric pad for entering track number (in Player mode) or number track/station (in Radio mode).
- ⑪ MUTE: Sound ON/OFF button.
- ⑫ BT: Bluetooth mode selection.
- ⑬ FM: Radio mode.
- ⑭ VOL-/+ : Volume up/down.
- ⑮ Play/Pause button (in Player mode); Start auto scan (long press in Radio mode).
- ⑯ NEXT: Next track (in Player mode); Next station (in Radio mode).

5. CONNECTION AND OPERATION

Speaker placement

- Place the speakers symmetrically to the listener at least one meter away.

MSS Connecting

Multimedia Speaker System (MSS) can be connected to most of audio sources: PCs, laptops, tablet PC, cell phones, MP3 players, etc. (see connection diagram in Fig. 4).

- Connect active speaker.
- Connect required signal cable to audio source.
- Adjust volume on minimum level.
- Plug-in power cable to mains and turn ON the speaker.

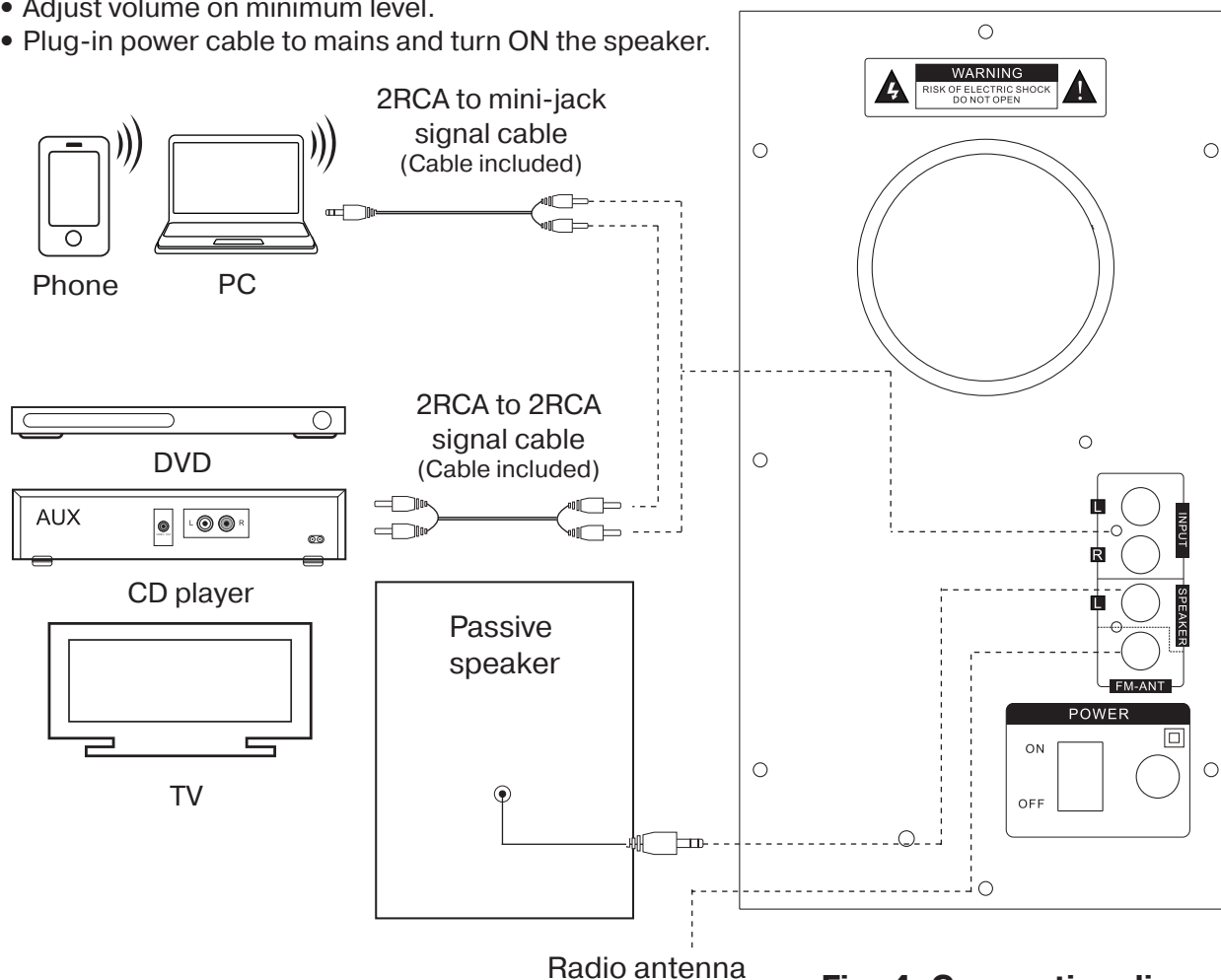


Fig. 4. Connection diagram

Bluetooth mode

- Select the Bluetooth mode using M ② on the front panel on the sidebar of active speaker or BT ⑫ on the remote control. After 2-3 seconds the speaker system starts the search mode.
- Activate Bluetooth search mode of your device (phone, notebook, smartphone, etc.). “S-450” will be displayed which should be connected to*.
- If there is no connection, the system should be switched over to the search mode once again (turn off and turn on Bluetooth mode)**.

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

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

FM mode

- **FM mode requires external antenna.**
- Turn the FM mode with the M ② button or FM ⑬ button on the remote control repeatedly until the frequency of the radio station appears
- In the playback mode, long press the "▶||" button to automatically search FM stations and save them automatically. Press the "◀◀" or "▶▶" buttons to switch between stations.
- Press DEL button to delete saved radio station. Radio works its external antenna only!

Playback mode

- Insert a USB Flash drive into the corresponding slot, the audio track will be played automatically. In the playback mode, briefly press the "◀◀" or "▶▶" button to select the desired tracks.
- Press the "▶||" button to play or pause.

Note: During Bluetooth playback mode, if you insert a USB, Bluetooth will be turned off and USB will play. Press the "M ②" button to return to Bluetooth mode again.

The USB port is designed for connecting USB storage media only. Do not use this connector for charging purposes, as this may cause damage of the speaker.

AUX mode

- For compatible music devices, use an audio cable supplied in the box. Connect the cable to the 2 RCA audio input of the AUX and to any audio source with a 3.5 mm mini jack or 2RCA. Then choose AUX mode by mode selection.

Note: Turn off the speaker by power button "ON/OFF" If the system is not used for a long time.

6. SPECIFICATION

Parameter, measurement unit	Value
Output power (RMS), W	46 (2 x 18 + 2 x 5)
Frequency range, Hz	40-22000
Speaker drivers size, mm	
HF driver	Ø 50
LF driver	Ø 127
Supported Bluetooth Profiles	L2CAP/A2DP
Connection types	Bluetooth/USB/AUX
Power supply, V/Hz	~230/50
Bluetooth operation distance, m	up to 10
Case material	wooden (MDF)
Dimensions of the product, mm	162 x 280 x 180
Weight, kg	5.6

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.*



Manufacturer: ENEL GROUP OU, Harju maakond, Rae vald, Jüri alevik, Aruküla tee 55a, 75301, Estonia.
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