SVEN®

2.1 Multimedia Speaker System

USER MANUAL

MS-302

www.sven.fi

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Congratulations on your purchase of the Sven speaker system!

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TRADEMARKS

NOTICE OF RESPONSIBILITY RESTRICTION

CONTENTS

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.

• Shipping and transportation equipment is permitted only in the original container.

• Does not require special conditions for realization.

• Dispose of in accordance with regulations for the disposal of household and computer equipment.

• The date of manufacture of the product is indicated on the box.

Technical support is on www.sven.fi.

User Manual

MS-302

2. PACKAGE CONTENTS
• Subwoofer — 1 pc.
• Satellites — 2 pcs.
• Remote control (RC) — 1 pc.
• AAA type batteries — 2 pcs.
• Signal cable — 1 pc.
• Antenna wire — 1 pc.
• User manual — 1 pc.
• Warranty card — 1 pc.

3. SAFETY PRECAUTIONS

CAUTION
RISK OF ELECTRICAL SHOCK
DO NOT OPEN

Caution! High voltage inside! To avoid the risk of electric shock do not open or touch elements inside.

• To avoid electric shock, do not open the MSS and do not perform repairs by yourself. Service and repairs should be performed only by qualified specialists in an authorized service center. The list of authorized service centers is available on ***www.sven.fi.***
• Do not allow the circuit of wires (including the grounded ones) between the speakers, on the power amplifier or the ground, for it causes damage to the power amplifier output stage.
• Do not touch the MSS power cord plug pins for 2 seconds after unplugging it from the mains.
• Do not put foreign objects 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 place any open flame sources on or close to MSS.
• Do not place the MSS in poorly ventilated areas. Leave an air gap of 10 cm or more. When operating the MSS, do not put any devices on it, do not cover it with cloth or other objects preventing it from cooling.
• Do not use any chemical agents for cleaning. Clean it with dry soft cloth only.

4. TECHNICAL DESCRIPTION
MS-302 2.1 Multimedia Speaker System (MSS) is designed to play music and sound games, movies, etc. The MSS has a built-in power amplifier and audio cables tnabling it to connect to virtual to any audio source (CD/DVD-player, TV, PC, etc.) without using an additional power amplifier. The MSS has a built-in FM radio and audio files player. Remote control is included.

Features
• Speaker system is compatible with PCs, DVD/Media-players, mobile devices and other sound sources.
• Built-in audio files player from external storage devices.
• Built-in FM radio.
• Alphanumeric LED display.
• USB flash port and SD card slot.
• Remote control.
• MUTE and ST-BY modes.
• Wooden (MDF) cabinets of the subwoofer and satellites.

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Subwoofer control panels
① ▶❙: Play/Pause (pressed short in the Player mode); Start/Stop auto scan (pressed short in the Radio mode).
② MODE: switch button of PC/FM/USB/SD/MMC.
③ LED display.
④ ❙◀◀: previous track (pressed short in the Player mode); previous station** (pressed short in the Radio mode).
⑤ ▶▶❙: next track (pressed short in the Player mode); next station** (pressed short in the Radio mode).
⑥ Volume level control knob.
⑦ SD/MMC: slot for SD/MMC cards* containing MP3, WAV audio files.
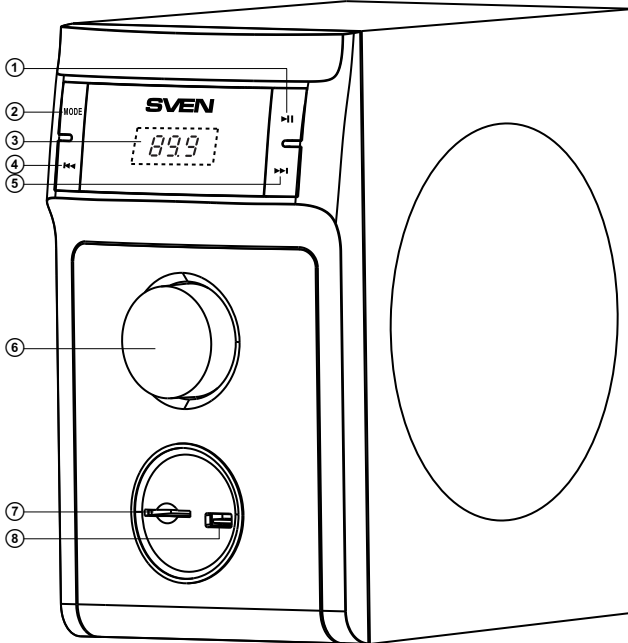⑧ USB: port for a USB flash device* containing MP3, WAV audio files.

Fig. 1. Subwoofer front panel

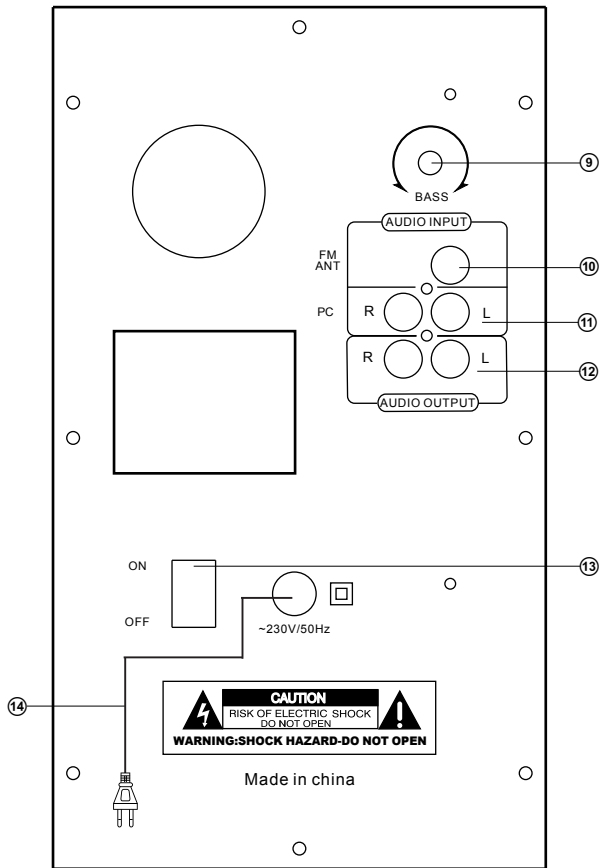*Fig. 2. Subwoofer rear panel*

⑨ BASS: bass level control knob.
⑩ FM ANT: radio antenna input jack.
⑪ PC: jack to connect PC, mobile devices, and other audio sources.
⑫ AUDIO OUTPUT: jack to connect satellites.
⑬ ON/OFF: power switch.
⑭ Power cord.

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Remote control

① ⏻: On/Off button ; level control and EQ reset button (pressed short).

② 0-9: numeric pad.

③ ⊠: sound on/off button.

④ PC: PC line input.

⑤ USB/SD: playback audio files mode selection.

⑥ ▶❙: Play/Pause (pressed short in the Player mode); auto scan start/stop (pressed long in the Radio mode).

⑦ ❙◀◀: previous track (pressed short in the Player mode); previous station** (pressed short in the Radio mode).

⑧ TUNING-/+: buttons for manual radio frequency scanning Increase/decrease the frequency up to 100 kHz by pressing short. By pressing long the search mode is activated the first station (up/ down the frequency range).

⑨ VOL+/-: volume level control buttons.

⑩ FM: Radio mode switch button.

⑪ EQ: equalizer mode switch button (in the Player mode).

⑫ ▶▶❙: next track (pressed short in the Player mode); next station** (pressed short in the Radio mode).

Battery Installation

• Open the battery compartment on the back of the RC.

• Insert the included AAA batteries.

• Close the battery compartment.

Notes. Use the RC at an angle no more than 30° at a distance of no more than 7 meters. If the remote control does not operate, check the batteries or replace the discharged batteries with new ones. Remove the batteries from the RC if you don't intend to use it for a long time (more than one week).

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* The storage device must be formatted as FAT, FAT32. Memory cards SDHC class 10 or less can be used. Connection of external hard disks other than USB flash drive is not recommended, otherwise it can cause the MSS damage.

** The frequencies are switched if stations have been preset in the memory.

Fig. 3. Remote control

5. PREPARATION AND OPERATION

Speaker placement

• Place the speakers symmetrically to the listener at least one meter away. The subwoofer emits non-directional sound, therefore it can be located in any place of the room where it sounds the best.

• Place MSS as far away as possible from monitors and TV sets, to avoid insignificant image distortion.

Installation and operation

MS-302 speaker system can be connected to virtually any audio devices: DVD/CD players, PCs, laptops, etc. (see connection diagram in Fig. 4).
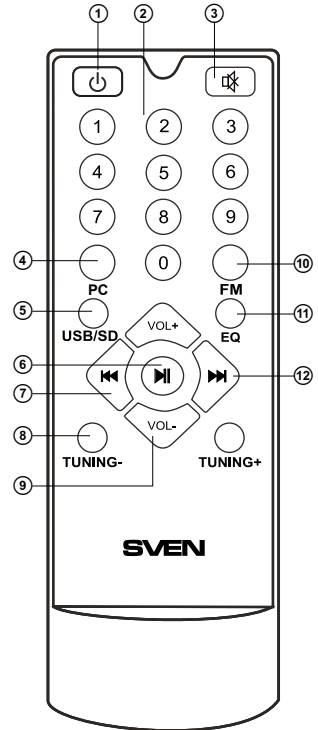
• Before making any connections, make sure the MSS is off and unplugged. Then connect speakers to the subwoofer AUDIO OUTPUT L/R ⑫ jacks using built-in audio cables. Connect the right speaker to the subwoofer AUDIO OUTPUT R and the left speaker — to the AUDIO OUTPUT L (see connection diagram in Fig. 4).
Note. Check the fixation connectors.
• To connect the MSS to a PC, MP3/CD player, use 2RCA to mini-jack signal cable (included). Connect the RCA jacks of the signal cable to the L and R jacks of the AUDIO INPUT ⑪, and the mini-jack (Ø 3.5 mm) of the signal cable — to the LINE OUT port of your PC sound card or to the audio output (OUTPUT) of your MP3/CD player, as shown in Fig. 4.
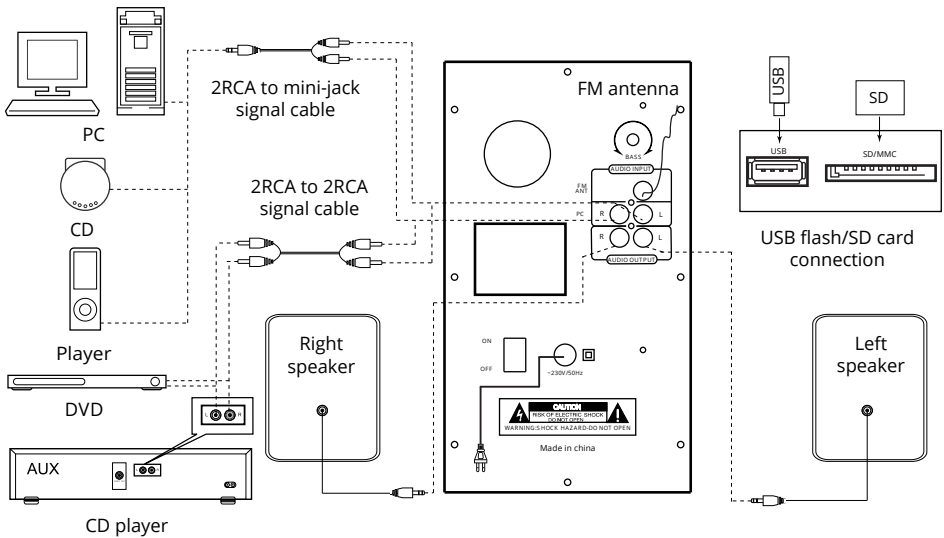

Fig. 4. Connection diagram

• To connect the MSS to a TV set or DVD/CD player, use 2RCA to 2RCA signal cable (not included). First connect the RCA jacks of the signal cable to the L and R jacks of AUDIO INPUT ⑪ and then connect RCA jacks to your TV set or DVD/CD player audio output jacks, as shown in Fig. 4.
• Connect the subwoofer to the mains outlet with the power cord ⑭.
• Turn on the MSS power supply using switch ⑬ (ON position) on the subwoofer rear panel.
• Turn on the MSS by pressing MODE button ② on the front panel or a button on the remote control.
• Select a desired signal source by pressing short MODE button ② on the control panel or pressing corresponding button on the remote control.
• Adjust the master volume as desired with knob ⑥ on the control panel or with the VOL+/- buttons ⑨ on the remote control.
• Use BASS+/- knob ⑨ on the rear panel to adjust the subwoofer volume level.

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• In order to have the high-fidelity reception orient the antenna in direction of radio signal when listening to the radio, first connecting the antenna to FM ANT jack ⑩ (see Fig. 4).
• When the MSS operation is over, mind to switch it off using switch m (OFF position) and unplug the power cord ⑭ from the socket.

6. OPERATION MODES
Player Mode
• The system will enter the Player mode automatically when a carrier (USB flash or SD/MMC card)* is connected to corresponding ports ⑦ or ⑧; or press MODE button ② on the front panel of the subwoofer or USB/SD button ⑤ on the remote control. The LED display ③ will show the selected mode, then the number of the tracks found and the track's number on the play list and then the playback time. The playback will start automatically.
• To select a track, you can directly enter its number on the remote control using the numeric pad buttons ②. The display ③ will show the track number for a short time and then the playback time elapsed.
• EQ mode (in the Player mode). There are 7 available preset settings: bas; pop; roc; jaz; cla; cou; nor.

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* The operation may be incorrect if a SD card of 512 Mb capacity or lower is used. If a USB flash device of 8 Gb capacity or more is used, command processing time may be extended.

Tuner Mode
• Use MODE button ② on the front panel of the subwoofer or FM button ⑩ on the remote control to enter the Tuner mode. The display ③ will backlight the current adjustment frequency.
• Press and hold button ① on the front panel of the subwoofer or button ⑥ on the remote control short to auto scan and memorize the found stations. The second pressing of this button before the scanning is over will stop the auto scanning process. The display ③ shows the frequency being scanned, when a radio station is being memorized, the display shows its assigned sequence number for a short moment.
• For manual scanning, use buttons TUNING -/+ ⑧ on the remote control (up/down the frequency range).
• If preset radio stations are available in the memory, you can switch from one to another by short pressing buttons ④ and ⑤ on the front panel of the subwoofer or buttons ⑦ and ⑫ on the remote control. You can also enter the frequency or the number of the preset station using numeric pad buttons ② on the remote control. The display ③ will show the station number for a short moment and then its frequency.

«Line input» Mode (PC)
• Press MODE button ② on the front panel of the subwoofer or PC button ④ on the remote control to switch to the PC mode. The display ③ will show PC inscription.

ST-BY Mode
• To enter/exit this mode, press and hold down MODE button ② on the front panel of the subwoofer or button ① on the remote control.

MUTE Mode
• To enter the MUTE mode, press button ③ on the remote control. To exit the MUTE mode, press this button ③ once again.
Note. Due to the constant development of the software, the actual MSS operation may differ from described in this Manual. The most recent version of the Manual is available at www.sven.fi.

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7. TROUBLESHOOTING

Problem	Cause	Solution
The MSS does not turn on.	The MSS isn't connected to a mains outlet.	Check the connection.
	The power switch is off.	Turn on the switch.
No sound or the sound is too quiet.	Volume level is set at minimum value.	Adjust the volume control knob.
	Improperly connected audio source.	Connect the audio sources correctly.
Distortion of sound.	Large amplitude of the input signal.	Turn down the source volume and the MSS volume
The remote control is not working.	The batteries are discharged.	Replace the batteries with new ones.

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.

8. TECHNICAL SPECIFICATIONS

Parameter, measurement unit	Value
Output power (RMS), W: subwoofer satellites	40 (20 + 2 × 10) 20 2 × 10
Frequency response, Hz: subwoofer satellites	40–150 150–20 000
Speaker diameter, mm: subwoofer satellites	Ø 128 Ø 77
Power supply, V/Hz	~230/50 ▣
Rated current consumption, A	0.08
Dimensions, mm: subwoofer satellites (one speaker)	159 × 272 × 245 104 × 171 × 108
Weight, kg	3

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 SVEN production.

**2.1 Multimedia
Speaker System**

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Model: MS-302
Importer: Tiralana OY, Office 102, Kotolahden-
tie 15, 48310 Kotka, Finland.

Manufacturer: SVEN PTE. LTD, 176 Joo Chiat
Road, № 02-02, Singapore, 427447.
Produced under the control of Oy Sven Scan-
dinavia Ltd. 15, Kotolahdentie, Kotka, Finland,
48310. Made in China.

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