

**SVEN**®  
YOU WANT – WE CAN

2.1 Multimedia Speaker System

# OPERATION MANUAL



**MS – 1090**

[www.sven.fi](http://www.sven.fi)

***Congratulations on your purchase of the Sven speaker system!***

#### **COPYRIGHT**

© 2014. SVEN PTE. LTD. Version 1.0 (V 1.0).

This Manual and information contained in it are copyrighted. All rights reserved.

#### **TRADEMARKS**

All trademarks are the property of their legal holders.

#### **NOTICE OF RESPONSIBILITY RESTRICTION**

Despite the exerted efforts to make this Manual more exact, some discrepancies may occur. The information in this Manual is given on “as is” terms. The author and the publisher do not bear any liability to a person or an organization for loss or damage which has arisen from the information contained in this Manual.

#### **CONTENTS**

<b>1. BUYER RECOMMENDATIONS .....</b>	<b>1</b>
<b>2. PACKAGE CONTENTS.....</b>	<b>2</b>
<b>3. SAFETY PRECAUTIONS .....</b>	<b>2</b>
<b>4. TECHNICAL DESCRIPTION .....</b>	<b>2</b>
<b>5. PREPARATION AND OPERATION .....</b>	<b>4</b>
<b>6. TROUBLESHOOTING.....</b>	<b>6</b>
<b>7. TECHNICAL SPECIFICATIONS .....</b>	<b>7</b>

#### **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.

***Technical support is on [www.sven.fi](http://www.sven.fi).***

### 2. PACKAGE CONTENTS

- Subwoofer — 1 pc
- Satellites — 2 pcs
- 2RCA to mini-jack (Ø 3.5 mm) signal cable — 1 pc
- Remote control — 1 pc
- CR2025 type battery installed into the remote control — 1 pc
- Operation manual — 1 pc
- Warranty card — 1 pc

### 3. SAFETY PRECAUTIONS



**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](http://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.
- Disconnect MSS from the mains system during a fuse replacement. Use fuses of the same type and rated value. Do not use hand-made fuses.
- 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-1090 2.1 Multimedia Speaker System (MSS) is designed to play music and sound games, movies, etc. The MSS has a built-in power amplifier, allowing to connect it to virtually any audio source (CD/DVD-player, TV, PC, etc.) without using an additional power amplifier. Remote control is included.

#### Special features

- Speaker system is compatible with PCs, DVD/Media-players, mobile devices and other sound sources
- Two-way satellites
- Built-in player for audio files from portable storage devices
- USB flash port and SD card slot
- Separate subwoofer volume control
- Mute mode
- Remote control

# Operation Manual

# MS-1090

- Magnetic shielding
- MDF cabinets of the subwoofer and satellites

## Subwoofer panels

- ① **⏮**: Play/Pause (Player mode)
- ② **VOL+ / ⏮**: next track (pressed short); volume up (held down more than 1 sec.)
- ③ **VOL- / ⏭**: previous track (pressed short); volume down (held down more than 1 sec.)
- ④ **MODE**: AUDIO INPUT or USB/SD source selection
- ⑤ **USB/SD**: selection between USB flash and SD card
- ⑥ **EQ**: equalizer mode selection (playing MP3 files from a USB flash drive or an SD card only)
- ⑦ **LED** indicator
- ⑧ **REPEAT**: repeat the current track (pressed once); repeat all tracks (pressed twice)
- ⑨ **⏻**: IR receiver window
- ⑩ **BASS +/-**: subwoofer volume control knob
- ⑪ **AUDIO INPUT L/R**: audio source input jack
- ⑫ **AUDIO OUTPUT L/R**: satellite output jack
- ⑬ **POWER ON/OFF**: power switch
- ⑭ Power cord
- ⑮ **SD CARD**: slot for connecting an SD card containing MP3 audio files
- ⑯ **USB**: USB port for connecting a USB flash drive containing MP3 audio files

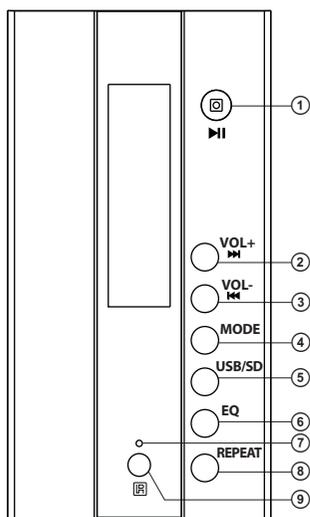


Fig. 1. Front panel

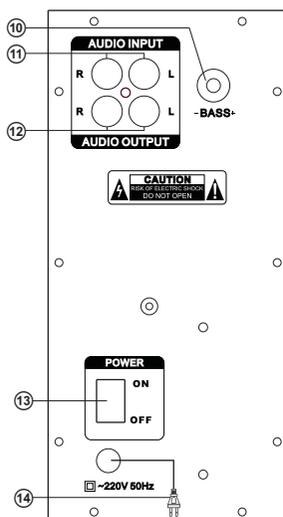


Fig. 2. Rear panel

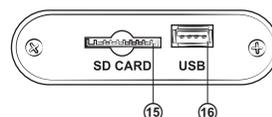


Fig. 3. Side panel

**Remote control**

- ① FOLDER DOWN: move to next folder
- ② FOLDER UP: move to previous folder
- ③ ►► : next track (in the Player mode)
- ④ ◀◀ : previous track (in the Player mode)
- ⑤ -/+ : volume control buttons
- ⑥ 0-9: numeric buttons for entering a track number
- ⑦ MUTE: MUTE button
- ⑧ || : play/pause (in the Player mode)
- ⑨ EQ: equalizer mode selection button (in the MP3 player mode only)
- ⑩ MODE: AUDIO INPUT or USB/SD source selection
- ⑪ USB/SD: selection between USB flash and SD card

**Notes:**

- **Before operating the remote control, extract the battery, remove the film protecting the battery from discharge during transportation, and insert the battery back into the remote control.**
- **Use the remote control at an angle no more than 30 degrees, no more than 7 meters away from the IR receiver.**
- **Direct the remote control at the IR receiver display on the subwoofer.**
- **If the remote control is not working, check the battery and replace the discharged battery with a new one.**
- **Remove the battery from the remote control if the device is left unused for a long period of time (more than a week).**

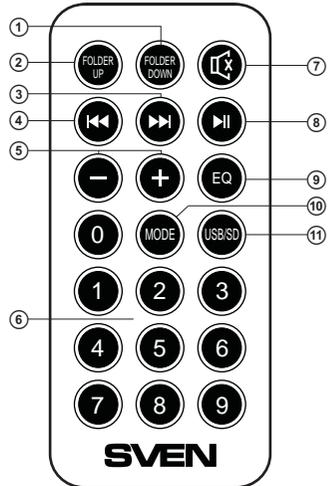


Fig. 4. Remote control

**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 far away from monitors and TV sets, as insignificant image distortion in these super-sensitive devices is possible.

**Installation and operation**

MS-1090 Multimedia Speaker System can be connected to virtually any audio source: DVD/CD/MP3, TV, PC sound card, etc. (see Fig. 5).

- Before making any connections, make sure the MSS is off and unplugged. Then connect the subwoofer AUDIO OUTPUT jack ⑫ to the satellites with the built-in audio cables (see connection diagram in Fig. 5).
- To connect the MSS to an audio source, use the included 2RCA to the mini-jack stereo signal cable. Insert the RCA jacks of the cable into the AUDIO INPUT jack ⑩, and the mini-jack of the cable – into the Ø 3.5 mm jack of the audio source.

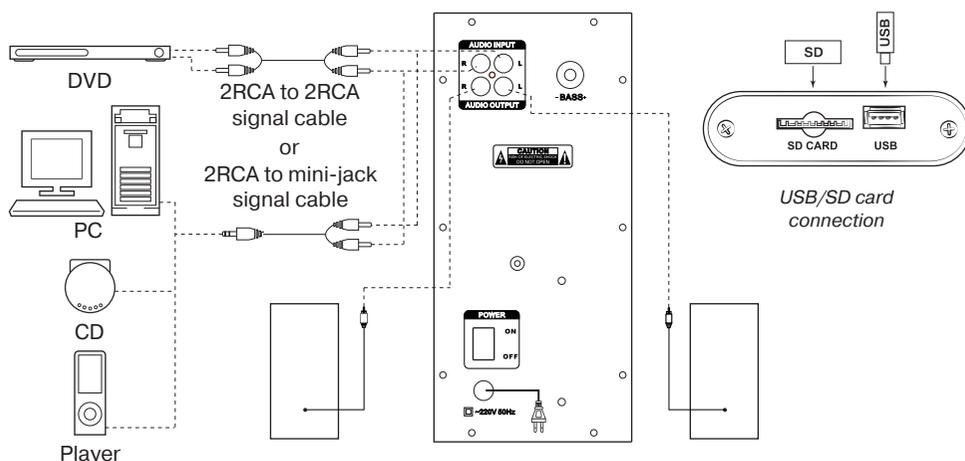


Fig. 5. Connection diagram

• To connect the MSS to a DVD player or TV, use a 2RCA to 2RCA stereo signal cable (not included). Insert the RCA jacks of the cable into the AUDIO INPUT jack ⑪, and connect the other RCA jacks to the audio output jack of your DVD/CD player.

**Note. The sound is directly dependent on accuracy and reliability of the cable connections. It's recommended that you use the cables supplied with the speakers.**

- Insert the power cord plug ⑬ (see Fig. 2) on the subwoofer rear panel into the mains outlet.
- Set the subwoofer volume to the minimum by turning the BASS +/- knob ⑩ on the subwoofer rear panel counterclockwise until it stops.
- Switch on the device using the POWER switch (⑬, ON position) on the subwoofer rear panel.
- Select an audio source (AUDIO INPUT or USB/SD) with the MODE button ④ on the subwoofer front panel or the MODE button ⑩ on the remote control.
- Adjust the volume level by turning the BASS +/- knob ⑩ on the subwoofer rear panel, and then – using buttons VOL+ ② or VOL- ③ on the subwoofer front panel or buttons -/+ ⑤ on the remote control (Fig. 4).
- The MUTE function is designed for switching on/off the sound of the MSS. To switch the sound on, press the MUTE button ⑦ (Fig. 4) on the remote control again.

#### Player mode

- To switch to the Player mode, insert a USB or SD storage device into the corresponding port (USB ⑭ or SD CARD ⑮) (Fig. 3) when the MSS is on. Then press the MODE button ④ on the front panel or the MODE button ⑩ on the remote control. The playback will start automatically. The LED ⑦ on the front panel will blink green.
- To select the AUDIO INPUT, press the MODE button ⑩ on the remote control or the MODE button ④ on the front panel. The LED ⑦ will light up red.

- To select a track, use the remote control numeric pad ⑥ to enter its number, or press buttons ④ and ③ on the remote control or buttons ② and ③ on the front panel.
- Using the REPEAT button ⑤ on the front panel, you can repeat the current track or all tracks (if the button is pressed once or twice respectively).
- In the Player mode, Equalizer feature is available. To select a preset mode, use the EQ button ⑨ on the remote control or the EQ button ⑥ on the front panel.

**Notes:**

- *If the MSS is left unused for a long period of time, please mind to switch it off by shifting the POWER switch ⑩ on the rear panel into the Off position and unplug the power cord.*
- *To improve the sound quality, use the Line Out port of your sound card.*
- *Due to the constant development of the software, the actual MSS operation may differ from that described in this manual. The most recent version of the manual is available at [www.sven.fi](http://www.sven.fi).*

**6. 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 battery is discharged.	Replace the battery with a new one.

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), W subwoofer satellites	40 (18 + 2 × 11) 18 2 × 11
Frequency response, Hz subwoofer satellites	50 – 180 180 – 20,000
Speaker diameter, mm subwoofer satellites	Ø 115 Ø 25 + Ø 76
Power supply, V/Hz	~220/50
Dimensions (one speaker), mm subwoofer satellites	140 × 298 × 283 93 × 183 × 136
Weight, kg	4.3

**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

**SVEN**®  
YOU WANT – WE CAN



**Модель: MS-1090**

Импортер в России: ООО «СКАНДИТРЕЛ»,  
111024, РФ, г. Москва, ул. Авиамоторная, д. 65, стр. 1.

Уполномоченная организация в России: ООО «РТ-Ф»,  
105082, г. Москва, ул. Фридриха Энгельса, д. 75, стр. 5.

Условия гарантийного обслуживания смотрите  
в гарантийном талоне или на сайте **www.sven.fi**.

Гарантийный срок: 12 мес.

Срок службы: 5 лет.

Производитель: «СВЕН ПТЕ. Лимитед», 176  
Джу Чиаг Роуд, № 02-02, Сингапур, 427447.

Произведено под контролем «Свен Скандинавия  
Лимитед», 48310, Финляндия, Котка, Котolahdentie, 15.  
Сделано в Китае.

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

© Registered Trademark of Oy SVEN  
Scandinavia Ltd. Finland.

**MS-1090**