

# SVEN<sup>®</sup>

2.1 Multimedia  
Speaker System

## OPERATION MANUAL



**MS-2080**

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

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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.

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

## 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.
- Satellite wall-mounting set — 2 pcs.
- 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.
- 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-2080 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 allowing to connect it to virtually any audio source (TV, PC, etc.) without using an additional power amplifier. The MSS has a built-in FM radio, Bluetooth module and audio player. Remote control is included.

### Special features

- Built-in Bluetooth module
- Built-in audio player with storage media
- Built-in FM radio
- Digital LED display
- USB flash port and SD card slot
- Remote control
- MUTE, SLEEP and ST-BY modes
- Wall mountable satellites
- Wooden (MDF) cabinets of the subwoofer and satellites

### Subwoofer control panels

- ① LED display
- ② ST-BY/INPUT: standby mode on/off button (long pressing); switching of inputs and PC/AUX/FM/Player/Bluetooth (pressed short)
- ③ MENU: shift button of timbre control modes
- ④ ▶/AUTO: Play/Pause (pressed short in the Player mode); Start/Stop auto scan (pressed long in the Radio mode)
- ⑤ ◀/CH-: previous track (pressed long in the Player mode); previous station\*\* (pressed long in the Radio mode); volume decrease (short pressing)
- ⑥ ▶/CH+: next track (pressed long in the Player mode); next station\*\* (pressed long in the Radio mode); volume increase (short pressing)
- ⑦ U DISK: USB flash\* contains MP3 and WAV audio files
- ⑧ SD/MMC CARD: SD/MMC cards\* slot contains MP3, WAV audio files
- ⑨ ON/OFF: on/off power switch
- ⑩ Power cord
- ⑪ FM ANT: FM input jack
- ⑫ AUDIO INPUT: audio input jack
- ⑬ AUDIO OUTPUT: audio output jack

### Remote control

- ① DEL: delete selected FM station
- ② FM: Player mode
- ③ TUNE+/-: manual scanning (Radio mode)
- ④ CH-/◀: previous track (pressed short in the Player mode); previous station\*\* (pressed short in the Radio mode)
- ⑤ AUX: AUX mode
- ⑥ SW+/-: subwoofer volume level control
- ⑦ 0-9: numeric pad
- ⑧ REPEAT: player operation mode
- ⑨ RESET: return to default settings
- ⑩ TRE-: treble level down

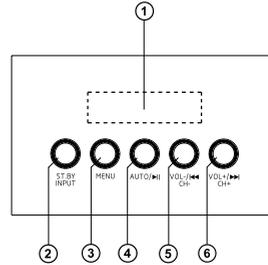


Fig. 1. Subwoofer control panel



Fig. 2. Side panel

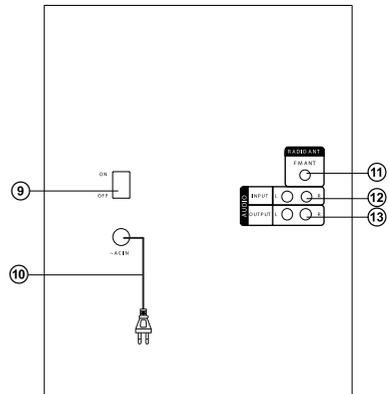


Fig. 3. Subwoofer rear panel

- ⑪ VOL+/-: volume level control
- ⑫ TRE+: treble level up
- ⑬ CH+ / ►►: next track (pressed short in the Player mode); next station\*\* (pressed short in the Radio mode)
- ⑭ ►► / AUTO: Play/Pause (pressed short in the Player mode); start/stop auto scan (pressed long in the Radio mode)
- ⑮ MUTE/DISP: sound on/off
- ⑯ SLEEP: Sleep mode
- ⑰ ☺: MSS on/off button
- ⑱ SAVE: Save selected FM station (Radio mode)
- ⑲ BT: Bluetooth mode
- ⑳ USB/SD: Player mode

### Battery Installation

- Open the battery compartment on the back of the remote control.
- 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).**

## 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 supersensitive devices is possible.

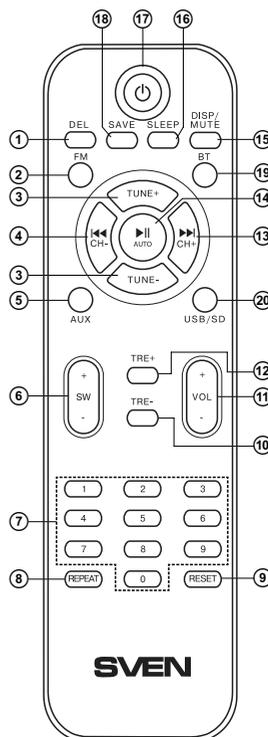


Fig. 4. Remote control

\* The storage device must be formatted as FAT, FAT32. Connection of external hard disks other than USB flash drive is not recommended, otherwise it can cause the MSS damage.

\*\* The feature is available if stations have been present in the memory.

**Installation and operation**

MS-2080 speaker system can be connected to virtually any audio devices: PCs, laptops, etc. (see connection diagram in Fig. 5).

- Before making any connections, make sure the MSS is off and unplugged. And the ON/OFF switch is in the OFF position. Then connect speakers to the subwoofer AUDIO OUTPUT ⑬. Observing the polarity connect the right speaker to the subwoofer AUDIO OUTPUT R with the audio cable and the left speaker – to the AUDIO OUTPUT L (see connection diagram in Fig. 5).
- To connect the MSS to a PC, mobile device 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 ⑫, 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 mobile device, as shown in Fig. 5.
- Connect the subwoofer to the mains outlet with the power cord ⑩.
- Turn on the MSS using button ST-BY ② on the front panel or button ⑰ on the remote control.
- Select a desired signal source pressing short button ② on the control panel or pressing buttons ②, ⑤, ⑱, ⑳ on the remote control.
- Adjust the master volume as desired with buttons VOL-, VOL+ ⑤, ⑥ on the control panel or pressing buttons VOL+/- ④, ⑬ on the remote control.
- Adjust the bass level using TRE+/- ⑩ buttons on the remote control. The timbre level of the system can be also adjusted using buttons ⑤, ⑥ on the control panel preselecting this option with MENU button ③.
- Use SW+/- buttons ⑥ on the remote control to adjust the subwoofer volume level. The volume level of the subwoofer can be also adjusted using buttons ⑤, ⑥ on the control panel preselecting this option with MENU button ③.
- In order to have the high-fidelity reception direct the antenna to a required direction when listening the radio, first connect antenna to RADIO ANT jack ⑪ (see Fig. 5).
- When the MSS operation is over, mind to switch it off using ON/OFF switch (⑨, OFF position) and unplug the power cord ⑩ from the socket.

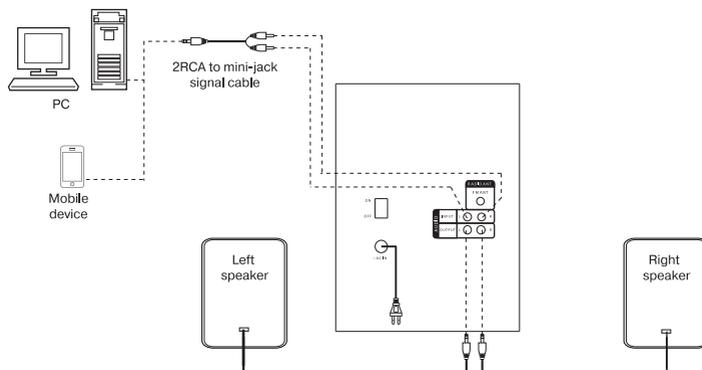


Fig. 5. Connection diagram

## 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 button ② on the front panel of the subwoofer or USB/SD button ⑳ on the remote control. The LED display ① will show the selected mode, then the number of the tracks found and a sequence number of the track played and then the playback time elapsed. The playback will start automatically.
- To select a track, you can directly enter its number on the remote control using the numeric pad buttons ⑦ or select it using buttons ⑤ and ⑥ on the front panel of the subwoofer. The display ① will show the track number for a short time and then the playback time elapsed.
- You can select the playback mode using REPEAT button ③ on the remote control (ONE – the playing track replay; RND – playback random tracks; ALL – playback all tracks available).

### Bluetooth mode

- In order to transmit signal in this mode it is necessary by first to connect the device with a signal source (see Fig. 6). For this purpose select the Bluetooth mode using button ② on the front panel of the subwoofer or BT button ⑲ on the remote control. After 2-3 seconds the speaker system will enter the search mode, BLU mode is shown on the display ① «bt».
- It is necessary to select the search mode of devices with Bluetooth on a signal source (telephone, notebook, smartphone, etc.) «MS-2080», message will be displayed on the screen which it should be connected with\*\*.
- The «bt» indicator lights continuously when connection is successful. If there is no any connection, the lighting of the «bt» indicator is intermittent. In this case the system should be switch over to the search mode once again (to turn off and turn on anew)\*\*\*.
- It is possible to control the player of a signal source from the remote control or using the button on the front panel of the subwoofer when connecting to a signal source.
- To force disconnect from BT signal source - press and hold the buttons AUTO▶▶ ③ on the front panel of the subwoofer or button ⑲ on the remote control.

### FM Mode

- Use button ② on the front panel of the subwoofer or FM button ② on the remote control to enter the FM mode. The display ① will current adjustment frequency.
- Press long AUTO button ④ on the front panel of the subwoofer or AUTO button ⑱ 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 ① shows the frequency being scanned, when a radio station is being memorized, the display shows its assigned sequence number for a short moment.

\* 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.

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

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

- For manual scanning, use buttons TUNE-/+ ③ on the remote control (up/down the frequency range). To save a selected frequency, press SAVE button ⑱ on the remote control, then using buttons ⑤, ⑥ on the front panel of the subwoofer or buttons ④, ⑬ on the remote control select a cell number to save and press the SAVE button once again. When saving, the display ① will show the message "Good".
- If preset radio stations are available in the memory, you can switch from one to another by long pressing buttons ⑤, ⑥ on the front panel of the subwoofer or buttons ④, ⑬ on the remote control. You can also enter the frequency or the number of the preset station using numeric pad buttons ⑦ on the remote control. The display ① will show the station number for a short moment and then its frequency. The radio will tune to the set frequency within 2-3 seconds.

#### AUX Mode

- Press button ② on the front panel of the subwoofer or AUX button ⑤ on the remote control to switch to the AUX mode. The display ① will show «AUX» inscription.

#### ST-BY Mode

- To enter/exit «ST-BY» mode press and hold button ST-BY ② front panel of the subwoofer or button ⑰ on the remote control. To exit «ST-BY» mode press ST-BY ② on the front panel of the subwoofer or button ⑰ on the remote control.

#### SLEEP Mode

- The SLEEP mode enables to switch over the device in the ST-BY mode after a lapse of time chosen by a user. Press button ⑱ on the remote control to enter the SLEEP mode. To leave the SLEEP mode, press button ⑱ on the remote control once again, while there is "0" character on the display.

#### MUTE Mode

- To enter the MUTE mode, press button ⑲ on the remote control. To exit the MUTE mode, press this button ⑲ once again, or press volume button.

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

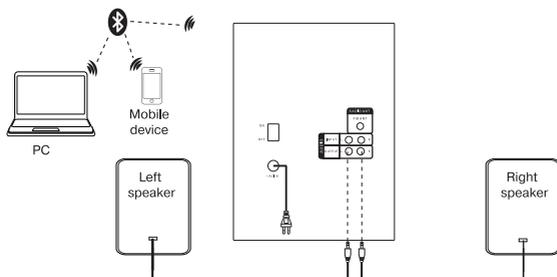


Fig. 6. Bluetooth module connection diagram

## 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.
	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	70 (40 + 2 × 15) 40 2 × 15
Frequency response, Hz: subwoofer satellites	45 – 150 150 – 20 000
Speaker diameter, mm: subwoofer satellites	Ø 145 Ø 25 + Ø 70
Power supply, V/Hz	~230/50
Radius of operation, m	up to 10
Dimensions, mm: subwoofer satellites (one speaker)	250 × 340 × 290 105 × 200 × 100
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 SVEN production.*

## 2.1 Multimedia Speaker System

# SVEN®



### Model: MS-2080

Импортер в России: ООО «Регард», 105082, г. Москва, ул. Фридриха Энгельса, д.75, стр. 5. Уполномоченная организация в России: ООО «РТ-Ф», 105082, г. Москва, ул. Фридриха Энгельса, д. 56, стр. 1. Условия гарантийного обслуживания смотрите в гарантийном талоне или на сайте [www.sven.fi](http://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, Котлахдентие, 15. Сделано в Китае.

Manufacturer: SVEN PTE. LTD, 176 Joo Chiat Road, № 02-02, Singapore, 427447.

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