

SVEN®
YOU WANT – WE CAN

2.1 Multimedia Speaker System

OPERATION MANUAL



MS-2100

www.sven.fi

Operation Manual

MS-2100

Congratulations on your purchase of the Sven 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.

Technical support is on www.sven.fi.

2. PACKAGE CONTENTS

- Subwoofer – 1 pc
- Satellites – 2 pcs
- Remote control (RC) – 1 pc
- AAA type batteries – 2 pcs
- Audio cables – 2 pcs
- Signal cable – 1 pc
- Antenna wire – 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
- 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-2100 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 (CD/DVD-player, TV, PC, etc.) without using an additional power amplifier. The MSS has a built-in FM radio, audio player and a clock. Remote control is included.

Special features

- Speaker system is compatible with PCs, DVD/Media-players, mobile devices and other sound sources
- Built-in FM radio and clock
- Built-in player for audio files from external storage devices
- Digital VFD display
- USB flash port and SD card slot
- Two switchable inputs
- Remote control

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- StandBy, Mute and Sleep modes
- Wooden (MDF) cabinets of the sub-woofer and satellites

Subwoofer control panels

- ① VFD display
- ② IR: infrared receiver
- ③ SD/MMC CARD: slot for SD/MMC cards* containing MP3 audio files
- ④ USB: slot for a USB flash device* containing MP3 audio files
- ⑤ ◀◀/CH-: previous track (pressed short in the Player mode); previous station** (pressed short in the Tuner mode)
- ⑥ ▶▶/AUTO: Play/Pause (pressed short in the Player mode); Start/Stop auto scan (pressed short in the Tuner mode); volume control (knob rotation to the right or the left)
- ⑦ ▶▶/CH+: next track (pressed short in the Player mode); next station** (pressed short in the Tuner mode)
- ⑧ INPUT/VOLUME -/+ : the MSS switching on (the knob rotation left-to-right from OFF mode) and volume control; the MSS switching off (pressed long); PC/AUX/FM/MP3 mode switch (pressed short)
- ⑨ ON/OFF: power switch
- ⑩ Power cord
- ⑪ RADIO ANT: radio antenna input jack
- ⑫ PC AUDIO INPUT: PC input jack
- ⑬ AUX AUDIO INPUT: line input jack
- ⑭ AUDIO OUTPUT: satellite output terminals

Remote control (see Fig. 3)

- ① INPUT: the MSS mode selection
- ② TREBLE-/+ : treble level up/down
- ③ TUNE+/- : manual band scanning (in the Tuner mode)
- ④ CH-/◀◀: previous track (pressed short in the Player mode*) previous station** (pressed short in the Tuner mode)
- ⑤ BASS-/+ : bass level up/down
- ⑥ SW+/- : subwoofer volume control
- ⑦ 0-9: numeric pad
- ⑧ REPEAT: player operation mode selection
- ⑨ RESET: return to default settings
- ⑩ CLOCK: current time display

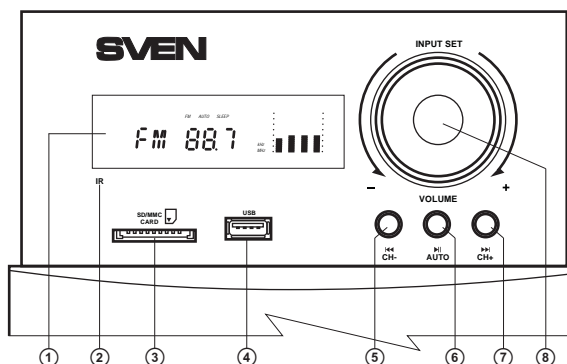


Fig. 1. Subwoofer control panel

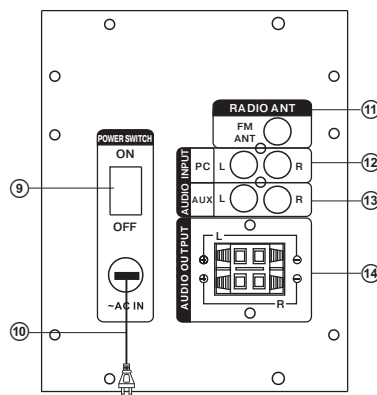


Fig. 2. Subwoofer rear panel

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- ⑪ VOL+/-: volume level control
- ⑫ SET: time setting (in the ST-BY mode)
- ⑬ CH+ / ►►: next track (pressed short in the Player mode)
next station** (pressed short in the Tuner mode)
- ⑭ ►► / AUTO: Play/Pause (in the Player mode)
- ⑮ MUTE: sound on/off
- ⑯ SLEEP+/-: Sleep mode switch-on time setting
- ⑰ ⏻: On/Off switch
- ⑱ SAVE: memorize selected frequency (in the Tuner 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.**
- **Direct the remote control to the infrared receiver ② on the subwoofer.**
- **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).**

* 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.

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-2100 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 ⑭ terminals with the help of included audio cables. Observing the polarity connect the right speaker to the subwoofer AUDIO OUTPUT R with the audio cable and the left

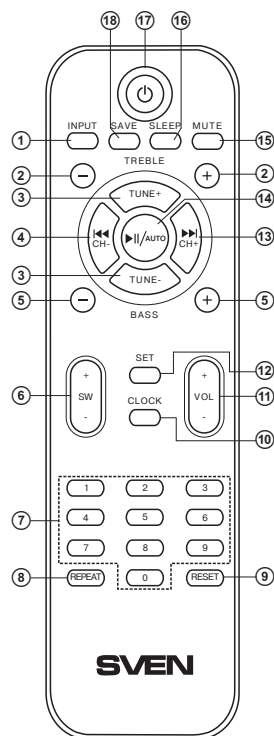


Fig. 3. Remote control

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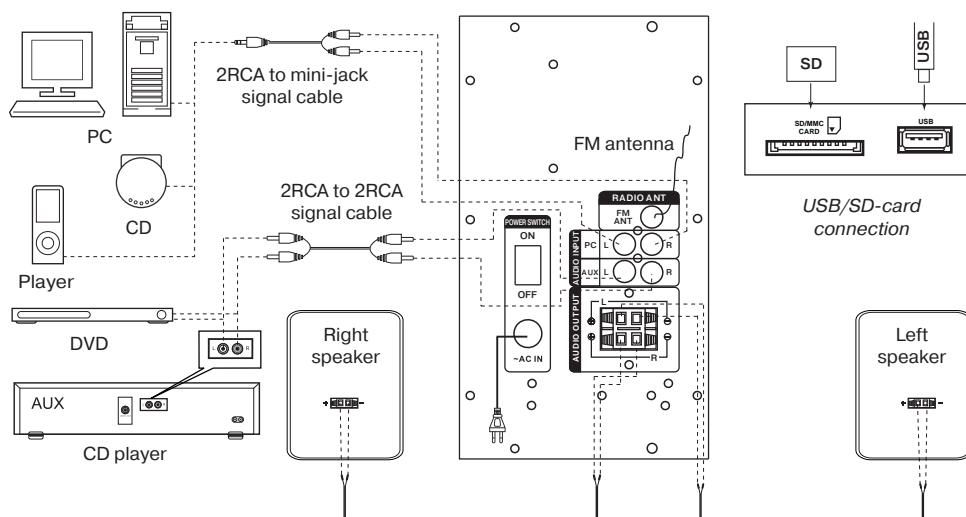


Fig. 4. Connection diagram

speaker – to the AUDIO OUTPUT L. Pay attention that the plus (red) cable wires of speakers must be connected to the subwoofer plus terminals (+ → +) and the minus (black) cable wires of speakers – to the subwoofer minus terminals (– → –) (see connection diagram in Fig. 4).

Note. Check the reliable fixation of wires in the terminals, polarity of connection and absence of contact of the bared wires with each other and the metal parts of the hardware.

- To connect the MSS to a PC, MP3/CD player, use a 2RCA to mini-jack signal cable (included). Connect the RCA jacks of the signal cable to the L and R jacks of the PC 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 (OUTPUT) of your MP3/CD player, as shown in Fig. 4.
- To connect the MSS to a TV or DVD/CD player, use the 2RCA to 2RCA signal cable (not included). Connect the RCA jacks of the signal cable to the L and R jacks of the AUX AUDIO INPUT ⑬, and the other RCA jacks – to your TV or DVD/CD player audio output jacks, as shown in Fig. 4.
- Connect the subwoofer to the mains outlet with the power cord ⑩.
- Turn on the MSS power supply using the ON/OFF switch (⑨, ON) on the subwoofer rear panel.
- Turn on the MSS using VOLUME knob ⑧ on the front panel or button ⑰ on the remote control.
- Select a desired signal source pressing short the INPUT button ⑧ on the control panel or pressing the INPUT button ① on the remote control.
- Adjust the master volume as desired with VOLUME knob ⑧ on the control panel or with the VOL+/- buttons ⑪ on the remote control.

- Adjust the bass and treble level using the BASS+/- ⑤ and TREBLE+/- ② buttons on the remote control.
- To adjust the subwoofer volume, use the SW+/- buttons ⑥ on the remote control.
- To listen to the radio, connect the antenna to the RADIO ANT ⑩ jack (see Fig. 4) and adjust it for better reception.
- After completing the MSS operation, mind to switch it off using the ON/OFF switch (⑨, OFF position) and unplug the power cord ⑩ from the socket.

6. OPERATION MODES

Player Mode

- The system will automatically enter the Player mode when a USB device is connected to the USB port ④ or an SD card is inserted into the corresponding slot ③; or press the INPUT button ⑧ on the front panel or the INPUT button ① on the remote control. The display ① will show the selected mode, then the number of the tracks found and the number of the track played, and then the playback time elapsed. The files will automatically start playing. The playing device symbol will show on the display as well.
- 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 ⑦ on the front panel. 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 the remote control REPEAT button ⑧ ("ONE" – the playing track replay; "RND" – play random tracks; "ALL" – play all tracks available).

* The MSS operation may be incorrect if an 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

- To switch to the Tuner mode, use the INPUT button ⑧ on the front panel or the INPUT button ① on the remote control. The subwoofer display ① will show the FM inscription.
- To auto scan and memorize the found stations, press AUTO button ⑥ on the front panel or the AUTO button ⑭ on the remote control short. To stop auto scanning, press this button again before the scanning is over. The display ① will show the frequency being scanned. When the channel is being memorized, the display shows its number for a short moment.
- For manual scanning, use buttons TUNE-/+ ③ on the remote control (up/down the frequency range). To save the selected station, press the SAVE button ⑮ on the remote control and then, using buttons ⑤ and ⑦ on the front panel or buttons ④ and ⑬ on the remote control, assign the station its number and press the SAVE button ⑮ again. When the station has been memorized, the display ① will write "Good".
- If preset stations are available in the memory, you can switch from one to another by short pressing buttons ⑤, ⑦ on the front panel or buttons ④, ⑬ on the remote control. You can also enter the frequency or the number of the preset station with the remote control numeric pad buttons. The display 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/PC Mode

- To switch to the AUX/PC mode, press the INPUT button ⑧ on the front panel or the INPUT button ① on the remote control, the MSS switched on. The display ① will show AUX or PC inscription.

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Clock Mode

- When the MSS is in the ST-BY mode, the display ① shows the current time. When the system is in a different mode, to see the time, use the CLOCK button ⑩ on the remote control. The current time will be displayed for 3-5 seconds.
- To set the current time, go to the ST-BY mode by pressing long INPUT button ⑧ on the front panel or button ⑰ on the remote control. To enter the time setting mode, press the SET button ⑫ on the remote control (the corresponding position will start blinking on the display ①). Set the minutes and hours directly from the RC numeric pad or using buttons ⑤, ⑦ on the front panel or ④, ⑬ on the RC. To switch between setting hours/minutes and to exit the setting mode, press the RC SET button ⑫ short.

ST-BY Mode

- To enter/exit this mode, press and hold down INPUT button ⑧ on the front panel or button ⑰ on the remote control. When the MSS is in the ST-BY mode, the display ① shows the current time.

MUTE Mode

- To enter the MUTE mode, press button ⑮ on the remote control. To exit the MUTE mode, press this button ⑮ again.

Note. 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.

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 | 80 (50 + 2 × 15) 50 2 × 15 |
| Frequency response, Hz: subwoofer satellites | 40 – 200 200 – 20,000 |
| Speaker diameter, mm: subwoofer satellites | Ø 176 Ø 80 + Ø 37 |
| Power supply, V/Hz | ~220/50 |
| Dimensions, mm: subwoofer satellites (one speaker) | 198 × 345 × 300 120 × 216 × 103 |
| Weight, kg | 8 |

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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Модель: **MS-2100**

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 Чиаат Роуд, № 02-02, Сингапур, 427447. Произведено под контролем «Свен Скандинавия Лимитед», 48310, Финляндия, Котка, Котолахдентие, 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.

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