

SVEN®
YOU WANT – WE CAN

Home Theatre Speaker
System 5.1

OPERATION MANUAL



HT-470

www.sven.fi

Congratulations on your purchase of the Sven speaker system!

Please read this operation manual before using the unit and retain this operation manual in safe place for future reference.

COPYRIGHT

© 2011. SVEN Company 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 of 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 damages which have arisen from the information, contained in the given manual.

UNPACKING

Unpack the device carefully. Make sure there are no accessories left in the box. Check up the device for damages; 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.

ATTENTION!

Do not switch on acoustic system immediately after you bring it in a room from environment with negative temperature!

Unpacked acoustic system should be placed in conditions of room's temperature at least 4 hours.

CONTENTS

1. DESCRIPTION	2
2. SAFETY PRECAUTIONS	2
3. PACKAGE CONTENTS	2
4. SPECIAL FEATURES	3
5. LOCATING	3
6. DESCRIPTION OF SUBWOOFER DESIGN	4
7. REMOTE CONTROL	5
8. INSTALLATION	5
9. OPERATION GUIDE	8
10. TROUBLE SHOOTING	9
11. TECHNICAL SPECIFICATION	10

Technical support is on www.sven.fi

1. DESCRIPTION

HT-470 Home Theatre Speaker System 5.1 (HTSS) is designed for playing music and sounding games, movies etc., as well as being used as radio tuner. Due to built-in amplifier speaker system can be connected to any audio source. Remote control is included.

2. SAFETY PRECAUTIONS

- To avoid electric shock do not open HTSS and do not perform repairs by yourself.
- Do not allow circuit of wires (including grounded ones) between speakers, power amplifier or ground, for it causes damage of power amplifier output stage.
- Do not put foreign objects inside the holes of HTSS. Make sure that needles, hair pins, coins, insects etc. do not get inside.
- Protect HTSS from high humidity, water and dust. Do not locate it in areas with high level of humidity and dust.
- Protect HTSS from heating: do not locate it near a heat source or expose to direct sunlight.
- Do not use gasoline, alcohol or other solvents when cleaning, since they may damage stained surface of HTSS. Clean it with dry soft cloth only.
- If HTSS does not operate, unplug it and refer to service personnel.



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

3. PACKAGE CONTENTS

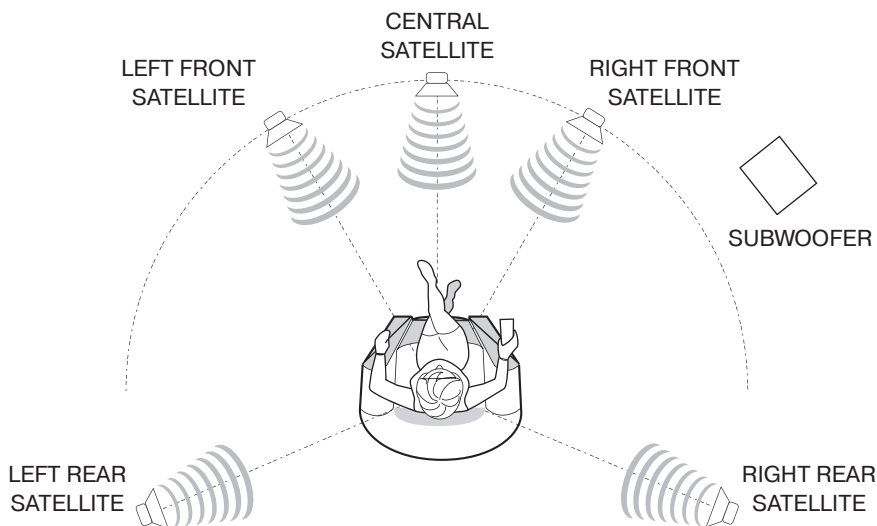
- Subwoofer — 1 pc
- Speakers — 5 pcs
- Signal cable 2RCA to 2RCA — 3 pcs
- Adapter 2RCA to mini-jack Ø 3.5 mm — 3 pcs
- Remote control — 1 pc
- AAA battery for remote control — 2 pcs
- User manual — 1 pc
- Warranty card — 1 pc

4. SPECIAL FEATURES

- Built-in transformer power supply
- Analog 5.1 input, two stereo AV inputs for connection to various audio devices
- Individual general volume control, subwoofer volume control and timbre control
- Electronic switch audio inputs
- HTSS is compatible with PC soundcard audio outputs, MP3, CD outputs and etc.
- Remote control
- Connected audio device LED
- Magnetic shielded drivers
- Wall mountable speakers
- MDF case of subwoofer and satellites

5. LOCATING

- Place satellites symmetrically to the listener at a distance not less than one meter. Central speaker should be located above or below TV set, monitor etc., so that it is directed straightly at the listener. Subwoofer emits non-directional sound, therefore it can be located in any place of the room, where it will sound to the best advantage.
- Place speaker system far away from TV sets, as insignificant image distortion in supersensitive monitors and TV sets is possible.
- When locating satellites and subwoofer, it is recommended to follow the diagram given below.



6. DESCRIPTION OF SUBWOOFER DESIGN

- ① Subwoofer: Subwoofer volume control knob
- ② Center: Central channel volume control knob
- ③ Rear: Rear channel volume control knob
- ④ Master volume: Volume control knob
- ⑤ DVD: LED DVD (5.1) on
- ⑥ PC: PC input LED
- ⑦ AUX: AUX input LED
- ⑧ DVD: DVD (5.1) input LED
- ⑨ PC: PC input button
- ⑩ AUX: AUX input button
- ⑪ IR receiver display
- ⑫ AUDIO INPUT PC/AUX: Audio source inputs for PC or AUX
- ⑬ 5.1CH INPUT: 5.1CH audio source inputs
- ⑭ 5.1CH OUTPUT: Speaker outputs
- ⑮ POWER ON/OFF: Power switch
- ⑯ Power cord

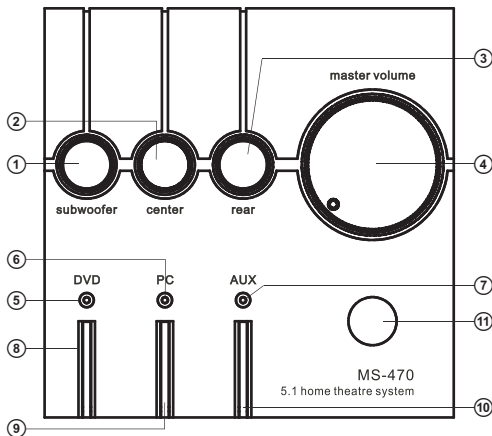


Fig. 1. Subwoofer control panel

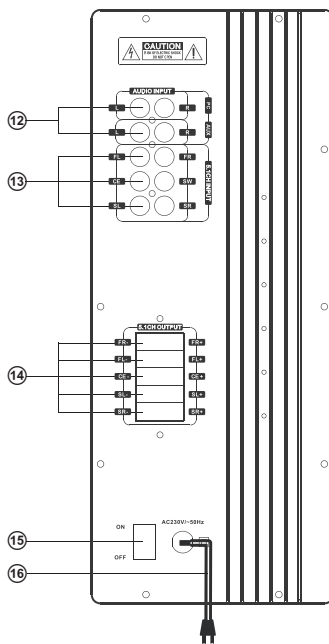


Fig. 2. Subwoofer rear panel

Operation Manual

HT-470

7. REMOTE CONTROL

- ① STANDBY: STANDBY button
- ② MUTE: MUTE button
- ③ FRONT+/-: Front channel volume control buttons
- ④ CEN+/-: Center channel volume control buttons
- ⑤ REAR+/-: Rear channel volume control buttons
- ⑥ DVD: DVD input button
- ⑦ PC: PC input button
- ⑧ AUX: AUX input button
- ⑨ MODE: 2.1/5.1 audio input switch
- ⑩ SUB+/-: Subwoofer channel volume control buttons
- ⑪ VOL+/-: Volume control buttons
- ⑫ RESET: Return button to factory settings

Remote control battery installation

- Open battery compartment on rear panel of remote control.
- Install batteries from the set matching polarity.
- Close battery compartment.

Notes:

- **Use remote control at an angle not less than 30 degrees at a distance not less than 7 meters.**
- **Direct remote control at infrared receiver display on subwoofer.**
- **If remote control is not working, check for batteries and replace discharged batteries for new ones.**
- **Pull out batteries from remote control, if you are not going to use them for a long time (more than a week).**

8. INSTALLATION

Connecting satellites to subwoofer

- Before connecting make sure that speaker system is switched off. Connect built-in acoustic cables, as shown in fig. 4. Please note that red (+) terminals of satellites should be connected to red terminals of subwoofer (+ → +), while black (-) terminals of speakers should be connected to black terminals of subwoofer (- → -).
- Check for absence of contact between bared wires and metal parts of equipment.
- Accuracy and reliability of connection of cables directly affects quality of sound.

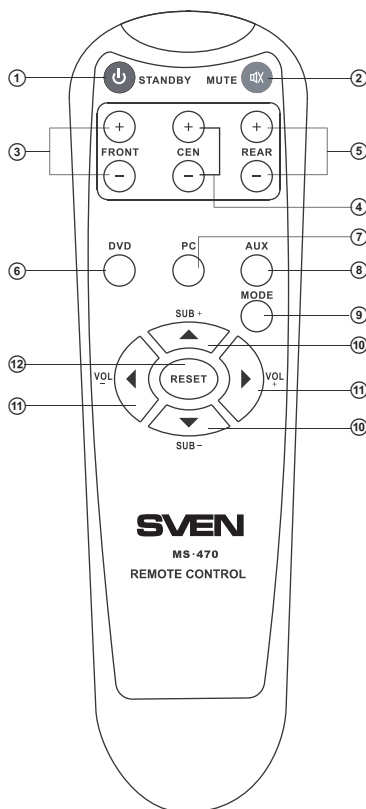


Fig. 3. Remote control

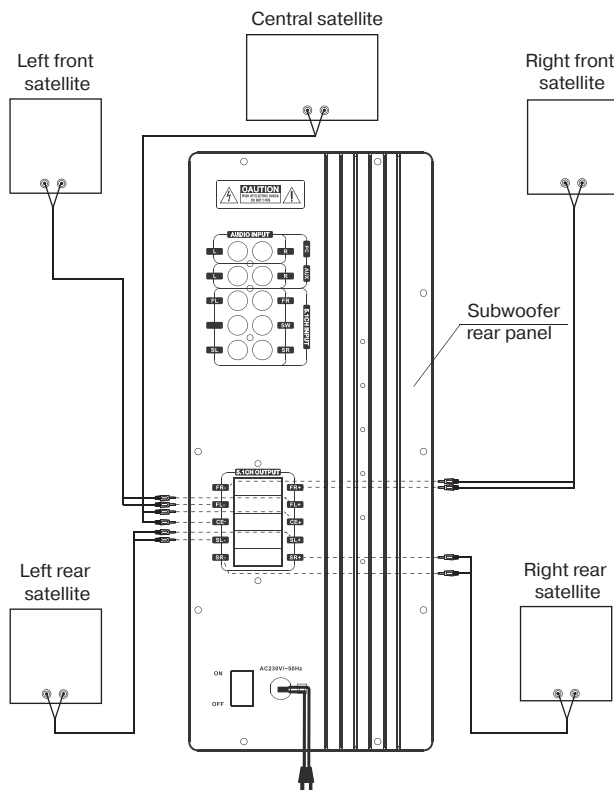


Fig. 4. Speakers connection diagram

Connecting to audio source

HT-470 Home Theatre Speaker System 5.1 (HTSS) can be attached to virtually any audio source (see connection diagram, fig. 5).

- Before connecting, make sure that the device is unplugged.
- To connect the speakers to VCD/DVD/VHS-player or TV use the stereo signal cables 2RCA to 2RCA (included). To connect HTSS to PC sound card, MP3/CD it is necessary to use signal cable 2RCA to 2RCA together with adapter 2RCA to mini-jack 3,5 mm (included). Be sure to connect left and right channels. Left RCA-jacks should be inserted into left ports of amplifier (usually white), and right RCA-jacks should be inserted into right ports of amplifier (usually red).

Note. Accuracy and reliability of connection of cables directly affects quality of sound. Check for absence of contact between bared wires and metal parts of equipment.

8. OPERATION GUIDE

Switching On

- To switch on subwoofer, plug power cord (⑯, fig. 2) of subwoofer into the mains outlet. Adjust Master volume control knob (④, fig. 1) on the front panel of subwoofer to its minimum by turning it counterclockwise as far as it would go, and then shift POWER switch (⑰, fig. 2) into ON position on the rear panel of subwoofer. Adjust control knobs of general volume, front channel volume, center channel volume, rear channel volume to the required level. If HTSS is on STANDBY mode or its sound is temporarily turned off, press STANDBY button (①, fig. 3) on the remote control or press MUTE button ②, to turn on the system.
- To select between stereo and 5.1-channel sound source, it is necessary to press MODE button (⑨, fig. 3).
- To turn on audio sources connected to the PC, AUX or 5.1 CH inputs, press corresponding buttons ⑥, ⑦ or ⑧ on the remote control (or press buttons ⑧, ⑨ or ⑩ on the front panel of subwoofer). According to the selected source, LED indicators of DVD (5.1) ⑤, PC ⑥ or AUX ⑦ will illuminate on the subwoofer control panel.

General volume control

- By pressing VOL+ or VOL– buttons (⑩, fig. 3) on the remote control, it is possible to adjust (to increase / to decrease) the level of general volume of the system. General volume control also can be adjusted by Master volume control knob (④, fig. 1) on the front panel of subwoofer

Volume control of center, front and rear channels and subwoofer channel

- For properly adjusting volume levels of center, front and rear channels and subwoofer channel use buttons ③, ④, ⑤ or ⑩ («+» or «-») on the remote control to adjust volume level of corresponding channels. Volume level of center, rear satellites and subwoofer can be also adjusted by such knobs: Center ②, Rear ③ and Subwoofer ① (see fig. 1) on the control panel of subwoofer.

Mute feature

- Press MUTE button (②, fig. 3) on the remote control to temporarily turn off the sound. Press this button again to turn on the sound.

Notes:

- *If HTSS has not been used for a long time, please mind to shift Power switch ⑰ into OFF position on the subwoofer rear panel and pull the plug of power cord ⑯ from the mains socket.*
- *To enhance sound quality, use Line-Out output of sound card.*
- *Although three audio inputs of HTSS can be connected at the same time, only one audio input will work: 5.1CH, AUX, PC.*

10. TROUBLE SHOOTING

Problem	Cause	Solution
HTSS does not turn on.	HTSS is not connected to the mains outlet.	Check the connection.
	Power switch is off.	Turn on the switch.
No sound.	Volume level is set at minimum value.	Adjust volume control knob.
	Improperly connected audio source.	Connect audio sources correctly.
There is too quiet sound of speakers.	Volume level is set at minimum value.	Adjust volume control knob.
Distortion of sound.	Large amplitude of the input signal.	Turn down source volume and HTSS volume.
Sound is produced by one of the channels only.	Improperly connected speakers to audio source.	Check the connection of speakers.
Remote control is not working.	The batteries is discharged.	Change batteries for new one.
	There is direct sunlight.	Change location of subwoofer or remote control.
	Obstacle between remote control and subwoofer receiver.	Change the subwoofer or remote control location.

If none of the above methods can not solve the problem, please seek professional advice at your nearest service center. Never attempt to repair the product yourself.

10. TECHNICAL SPECIFICATION

Parameter, measurement unit	Value
Output power (RMS), W subwoofer satellites	150 (50 + 5 × 20) 50 5 × 20
Frequency range, Hz	30 – 20 000
S/N ratio, dB	≥ 70
Diameter, mm subwoofer central satellite (tweeter + woofer) front and rear satellite (tweeter + woofer)	Ø 165 Ø 25 + 2 × Ø 100 Ø 25 + Ø 100
Voltage, V/Hz	~220/50
Dimensions (of one speaker) (W x H x D), mm subwoofer central satellite front satellite rear satellite	200 × 422 × 324 330 × 142 × 146 139 × 198 × 156 119 × 198 × 133
Weight, kg	17

Notes:

- *Technical specification given in this table is supplemental information and can not give occasion to claims.*
- *Technical specification is subject to change without notice due to improvement of SVEN production.*

Home Theatre Speaker System 5.1

SVEN®
YOU WANT – WE CAN



Модель: **HT-470**

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

Модель: **HT-470**

Постачальник/імпортер в Україні: ТОВ «СВЕН Центр».
Київська область, м. Переяслав-Хмельницький,
вул. Героїв Дніпра, 31.
Призначення, споживчі властивості та відомості
про безпеку товару див. у керівництві з експлуатації.
Умови гарантійного обслуговування дивіться в
гарантийному талоні або на сайті **www.sven.fi**
Гарантийний термін: 12 міс.
Строк служби: 5 років.
Товар сертифіковано/має гігієнічний висновок.
Шкідливих речовин не містить.
Зберігати в сухому місці.
Виготовлено під контролем «Свен Скандинавія
Лімітед», 48310, Фінляндія, Котка, Котолахдентіє, 15.
Зроблено в Китаї.

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.

HT-470