

## English

### WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To prevent fire, do not cover the ventilation of the apparatus with newspapers, table-cloths, curtains, etc. And don't place lighted candles on the apparatus.

To prevent fire or shock hazard, do not place vases on the apparatus.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.


### CAUTION

You are cautioned that any changes or modification not expressly approved in this manual could void your authority to operate this equipment.

## About this manual

The instructions in this manual are for SA-VE2M, Sony Micro Satellite Systems.

The SA-VE2M is a 5.1 channel speaker system consisting of two front speakers, two surround speakers, one center speaker, and one subwoofer. It supports Sony Digital Cinema Sound, Dolby® Pro Logic, and Dolby Digital, and is thus geared towards the enjoyment of movies.

\* Manufactured under license from Dolby Laboratories. DOLBY, the double-D symbol , "PRO LOGIC" and "Dolby Digital" are trademarks of Dolby Laboratories.

## Precautions

### On safety

- Before operating the system, be sure that the operating voltage of the system is identical with that of your local power supply.
- The unit is not disconnected from the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Unplug the system from the wall outlet if it is not to be used for an extended period of time. To disconnect the cord, pull the cord by grasping the plug. Never pull the cord itself.
- Should any liquid or solid object fall into the system, unplug the system's power cord and have the system checked by qualified personnel before operating it any further.
- AC power cord must be changed only at the qualified service shop.

### On operation

- Do not drive the speaker system with a continuous wattage exceeding the maximum input power of the system.
- If the polarity of the speaker connections are not correct, the bass tones will be weak and the position of the various instruments obscure.
- Contact between bare speaker wires at the speaker terminals may result in a short-circuit.
- Before connecting, turn off the amplifier to avoid damaging the speaker system.

### If you encounter color irregularity on a nearby TV screen

This speaker system is magnetically shielded to allow it to be installed near a TV set. However, color irregularities may still be observed on certain types of TV sets.

### If color irregularity is observed...

→ Turn off the TV set once, then turn it on again after 15 to 30 minutes.

### If color irregularity is observed again...

→ Place the speakers further away from the TV set.

### If howling occurs

Reposition the speakers or turn down the volume on the amplifier.

### On placement

- Do not set the speakers in an inclined position.
- Do not place the speakers in locations that are:
  - Extremely hot or cold
  - Dusty or dirty
  - Very humid
  - Subject to vibrations
  - Subject to direct sunlight
- Use caution when placing the speaker on a specially treated (wax, oiled, polished, etc.) floor, as staining or discoloration may result.

### On cleaning

Clean the speaker cabinets with a soft cloth lightly moistened with a mild detergent solution or water. Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

### The volume level should not be turned up to the point of distortion.

If the volume level is too high, the speaker protection circuit activates, and the sound level drops suddenly. This is not a malfunction. In this case, lower the volume level and wait for a few moments until the unit resumes normal operation.

If you have any questions or problems concerning your speaker system, please consult your nearest Sony dealer.

## Hooking up the system

Connect the speaker system to the speaker output terminals of an amplifier. **(A)** Make sure power to all components (included the subwoofer) is turned off before starting the hook-up.

### Notes **(B)**

- Make sure the plus (+) and the minus (-) terminals on the speakers are matched to the corresponding plus (+) and minus (-) terminals on the amplifier.
- Be sure to tighten the screws of the speaker terminals securely as loose screws may become a source of noise.
- Make sure all connections are firm. Contact between bare speaker wires at the speaker terminals may cause a short-circuit.
- Do not connect the subwoofer to the amplifier's CENTER output terminal (which is for Dolby Pro Logic or Dolby Digital). No bass sound will output from the subwoofer if you do.
- For details regarding the connections on the amplifier side, refer to the manual that was provided with your amplifier.

### Tip

All striped wires are minus (-) in polarity, and should be connected to the minus (-) speaker terminals.

## Positioning the speakers

### Location of each speaker **(C)**

Each speaker should face the listening position. Better surround effect will result if all speakers are set at the same distance from the listening position.

Place the front speakers at a suitable distance to the left and right of the television.

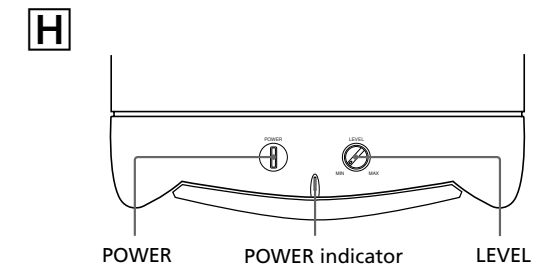
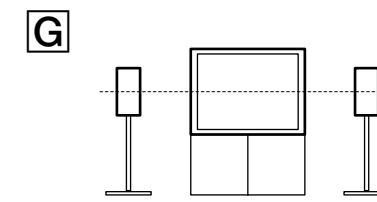
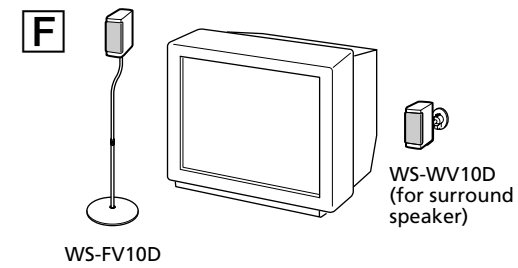
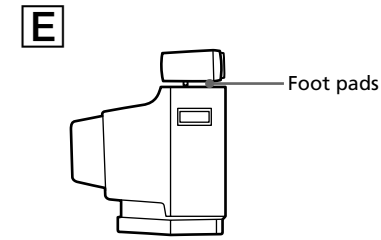
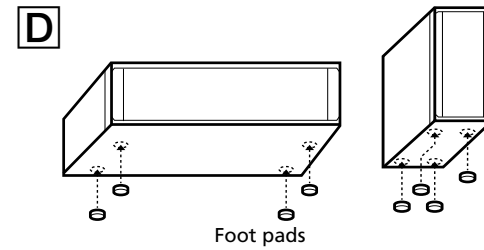
Place the subwoofer on either side of the television.

Place the center speaker on the top-center of the TV set. The placement of surround speakers greatly depends on the configuration of the room. The surround speakers may be placed on both sides of the listening position **A** or behind the listening position **B**.

### Tips

- Movies are best enjoyed in a room that produces no echoes (as in one with surrounding curtains).
- Music (especially classical music) is best enjoyed in a room that produces some echo.

# Micro Satellite System SA-VE2M



## Setting the speakers

### Attaching the speaker pads (D)

To prevent speaker vibration or movement while listening, attach the supplied foot pads to the bottom four corners of the center speaker, front speakers, and surround speakers.

### Setting the center speaker (E)

Set the center speaker firmly on top of the TV set. Make sure it is completely level.

### Setting other speakers (F)

For greater flexibility in the positioning of the speakers, use the optional WS-FV10D or WS-WV10D speaker stand (available only in certain countries).

### Tip (G)

The height of the front speakers should be adjusted to about the center of the TV screen.

## Setting the amplifier

When connecting to an amplifier with internal multi channel decoders (Dolby Digital, DTS\*\*, etc.), you should use the setup menus for the amplifier to specify the parameters of your speaker system. See the table below for the proper settings. For details on the setting procedure, refer to the manual that was provided with your amplifier.

### Speaker setup

For	Set to
Front speakers	SMALL
Center speaker	SMALL
Surround speakers	SMALL
Subwoofer	ON (or YES)

If you use the amplifier with adjustable crossover frequency, it is recommended to select 120 Hz (or close to this figure) as the crossover frequency for your front, center, and surround speakers.

\*\* "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

## Listening to the sound (H)

First, turn down the volume on the amplifier. The volume should be set to minimum before you start playing the program source.

- 1 Turn on the amplifier and select the program source.
- 2 Press POWER on the subwoofer. The POWER indicator on the subwoofer lights up green.
- 3 Play the program source.

## Adjusting the subwoofer (H)

Rotate LEVEL to adjust the volume.

Set the volume level to best suit your preference according to the program source.

### Notes

- Some amplifier functions for enhancing the sound may cause distortion in the subwoofer. If such distortion occurs, turn off those functions.
- To enjoy high-quality sound, do not turn the subwoofer volume too high.

### For the Dolby Pro Logic

If your amplifier is connected internally or externally with a Dolby Pro Logic processor, you should set the surround effect mode to "NORMAL" on the amplifier for your particular speaker system. For details on the setting procedure, refer to the manual that was provided with your amplifier.

## Troubleshooting

Should you encounter a problem with your speaker system, check the following list and take the indicated measures. If the problem persists, consult your nearest Sony dealer.

### There is no sound from the speaker system.

- Make sure all the connections have been correctly made.
- Make sure the volume on the amplifier has been turned up properly.
- Make sure the program source selector on the amplifier is set to the proper source.
- Check if headphones are connected. If they are, disconnect them.

### There is distortion in the subwoofer sound output.

- Check if any sound-enhancing functions have been activated on the amplifier. If they have, turn them off.

### There is hum or noise in the speaker output.

- Make sure all the connections have been correctly made.
- Make sure none of the audio components are positioned too close to the TV set.

### The sound has suddenly stopped.

- Make sure all the connections have been correctly made. Contact between bare speaker wires at the speaker terminals may cause a short-circuit.

## Specifications

### SS-MS2M (Front and surround speakers)

Speaker system	Full range, magnetically shielded
Speaker units	8 cm, cone type
Enclosure type	Bass reflex
Rated impedance	8 ohms
Power handling capacity	
Maximum input power:	100 watts
Sensitivity level	86 dB (1 W, 1 m)
Frequency range	28 Hz - 20,000 Hz
Dimensions (w/h/d)	Approx. 105 × 153 × 127 mm, including front grille
Mass	Approx. 1.2 kg each

### SS-CN2M (Center speaker)

Speaker system	Full range, magnetically shielded
Speaker units	5 cm, cone type
Enclosure type	Bass reflex
Rated impedance	8 ohms
Power handling capacity	
Maximum input power:	100 watts
Sensitivity level	88 dB (1 W, 1 m)
Frequency range	28 Hz - 20,000 Hz
Dimensions (w/h/d)	Approx. 200 × 79 × 130 mm, including front grille
Mass	Approx. 0.8 kg

### SA-WMSP50 (subwoofer)

Speaker system	Active subwoofer, magnetically shielded
Speaker unit	Woofer: 20 cm, cone type
Enclosure type	Advanced SAW type
Amplifier section	
Continuous RMS power output	100 W (6 ohms, 20 - 250 Hz, 0.8% THD)
Reproduction frequency range	28 Hz - 200 Hz
High frequency cut-off frequency	150 Hz

## Inputs

INPUT (input pin jack)

## General

Power requirements	230 V AC, 50/60 Hz
Power consumptions	100 W
Dimensions (w/h/d)	Approx. 270 × 325 × 398 mm, including front grille
Mass	Approx. 10 kg

## Supplied accessories

Foot pads (20)  
 Monaural connecting cord (1 phono to 1 phono) (1)  
 Speaker connecting cords, 10 m (2)  
 Speaker connecting cords, 3.5 m (3)

Design and specifications are subject to change without notice.