OPTIMUS®

Cat. No. 40-4075

PRO SWS-250 Multimedia Amplified Speaker System

Your OPTIMUS PRO SWS-250 Multimedia Amplified Speaker System with subwoofer and satellite speakers is designed to enhance your computer multimedia system, or transform your portable CD player, or personal cassette player into a complete music system. This amplified speaker system is compatible with any audio source with a $\frac{1}{8}$-inch stereo headphone or LINE OUT jack.

The system's 5-inch subwoofer and 3-inch satellite speakers produce excellent stereo and powerful bass sounds. You can use the sound output from your computer and CD or cassette player at the same time, and you can connect a microphone to the system so you can use it as a PA or Karaoke system.

SPEAKER PLACEMENT

Speaker location and position are vital for the best sound performance.

Satellite Speakers

For the best stereo image, the distance between the satellite speakers should be about the same as the distance from the main listening area to a point halfway between the speakers.

(illus)

Warning: To prevent fire or shock hazard, do not expose this speaker system to rain or moisture.

⚡	**CAUTION**	⚠
	RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.		

⚡ This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the speaker system's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the speaker system's case.

⚠ This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this speaker system.

If you place the satellite speakers too far apart, a sound "hole" could occur and you might not get the proper stereo image in the listening area. Compensate for this by angling the speakers slightly in toward the listening area.

If you place the satellite speakers too close together, you could cancel out the stereo image and the sound might seem to be monaural. Compensate for this by angling the speakers slightly away from the listening area.

Subwoofer

Where and how you position your subwoofer greatly affects its bass response.

Although low frequencies are non-directional, factors such as room acoustics, standing waves, resonance, and absorption strongly affect your subwoofer's performance. For maximum bass output, place your subwoofer in a corner. To reduce its output, move it away from corners and back walls. Even slightly moving the subwoofer can have a major effect on bass response.

Adjusting the subwoofer's sound level in relation to the satellite speakers' volume affects your speaker system's overall sound. We recommend you test the subwoofer in different locations to get the best balance between your satellite speakers and the subwoofer.

We also recommend you place the subwoofer at least 2-3 feet away from your monitor or computer so the subwoofer's magnet does not distort the colors on your monitor picture or erase your disks.

CONNECTING THE SYSTEM

You can connect up to three optional input sources to the system:

- A computer's sound card

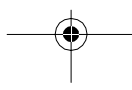- A portable or home stereo system

- A microphone

If you connect an input source, you can also connect up to three optional output devices to the system:

- Satellite speakers

- Headphones

- The microphone input of a computer's sound card

Connect the system to a standard AC outlet after you make all other connections.

To the Audio Output of a Computer's Sound Card

You can connect the system to the audio output of a computer's sound card using the supplied Y-adapter cord.

2

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Connect the Y-adapter cord's $1/8$-inch stereo plug to the $1/8$-inch stereo output jack on your computer's sound card. Then connect the Y-adapter cord's right (red) and left (white) phono plugs to the system's **R** (red) and **L** (white) **Input A** phono jacks.

To the Audio Output of a Portable or Home Stereo System

You can connect the system to a portable stereo source (such as a CD player or cassette player) using a shielded audio cable with a $1/8$-inch stereo plug at each end (such as Cat. No. 42-2387, not supplied).

(illus)

Connect one end of the cable to the input source's $1/8$-inch stereo LINE OUT or headphone jack.

- If you use the input source's LINE OUT jack, the source's volume control has no effect.

- If you use the input source's headphone jack, set the input source's volume control to its middle setting.

Then connect the cable's other end to the system's **Input B** jack on the back panel.

Note: If you are not connecting the system to a computer sound card, you can use the supplied Y-adapter cord between the portable audio source's LINE OUT or headphone jack and the system's **R** and **L Input A** phono jacks.

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Or, using a shielded audio cable with left and right phono plugs at each end (such as Cat. No. 42-2356, not supplied), you can connect the system between your home audio source's right and left AUDIO OUT jacks and the system's **R** and **L Input A** phono jacks.

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3

To a Microphone

You can connect a microphone (not supplied) directly to the **MIC** jack on the front of the system.

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Notes:

- The microphone signal is routed from the **MIC** jack on the front directly to the **MIC** jack on the back of the system.

- For this connection to work, you must also connect a shielded audio cable with a $1/8$-inch stereo plug at each end (such as Cat. No. 42-2387, not supplied) between the **MIC** output jack on the back of the system and the MIC input jack on your computer's sound card (see "To the Microphone Input of a Computer's Sound Card").

To Satellite Speakers

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Connect the left satellite speaker's wires to the system's **SATELLITE SPEAKER L** terminal (white to + and black to –).
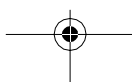
Connect the right satellite speaker's wires to the system's **SATELLITE SPEAKER R** terminal (white to + and black to –).

Note: For the best overall performance, be sure you connect the satellite speaker wires according to the correct polarity (+ and –).

To Headphones

For private listening, you can connect a pair of stereo headphones with a $1/8$-inch plug (not supplied) to the **PHONES** jack on the front of the system.

(illus)

4

Notes:

- When you connect headphones, the system automatically disconnects the subwoofer and satellite speakers.

- Your local RadioShack store carries a wide selection of stereo headphones.

Important Note: To protect your hearing, follow these guidelines when you use headphones.

- Set the system's volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.

- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.

- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

To the Microphone Input of a Computer's Sound Card

You can connect the system to the microphone input of a computer's sound card using a shielded audio cable with a $\frac{1}{8}$-inch stereo plug at each end (such as Cat. No. 42-2387, not supplied). This makes it easy to connect or disconnect a microphone without having to access the back of your computer.

(illus)

Connect one end of the cable to the MIC input jack on your computer's sound card. Then connect the other end of the cable to the **MIC** output jack on the back of the system.
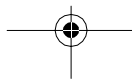
To Standard AC
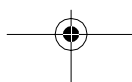
Plug the power cord into a standard AC outlet.

(illus)

5

OPERATION

Connect a microphone to the **MIC** jack, or turn on the connected audio source and adjust its volume level if necessary, then follow these steps to operate the system.

1. Turn on the system's power by rotating **VOLUME OFF/MAX** clockwise until it clicks, then set it to a comfortable listening level. The power LED lights.

2. Rotate **BASS MIN/MAX** to select the desired low or high frequency sound.

3. Adjust **BALANCE LEFT/RIGHT** to get the proper stereo image.

Note: The system's **INPUT A** and **IN-PUT B** jacks operate at the same time. If you connect stereo audio sources to both input jacks, you can mix the sound by adjusting the volume controls of the corresponding audio sources.

6

CARE AND MAINTENANCE

Your Optimus PRO SWS-250 Multimedia Amplified Speaker System is an example of superior design and craftsmanship. The following suggestions will help you care for the speaker system so you can enjoy it for years.

Keep the speakers dry. If they get wet, wipe them dry immediately. Liquids might contain minerals that can corrode the electronic circuits.

Use and store the speakers only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.

Handle the speakers gently and carefully. Dropping them can damage the circuit boards and can cause the speakers to work improperly.

Keep the speakers away from dust and dirt, which can cause premature wear of parts.

Wipe the speakers with a damp cloth occasionally to keep them looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the speakers.

Modifying or tampering with your speaker system's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your speaker system is not operating as it should, take it to your local RadioShack store for assistance.

SPECIFICATIONS

	Subwoofer	Satellite Speaker
Speaker Size	5-Inch	3-Inch
Output power/THD 10%	15 W	5 W
Impedance	4 ohm	4 ohm
Frequency Response	50–350 Hz	300–20,000 Hz
Dimensions (HWD)	$14^{1}/_{8}$ ¥ $6^{7}/_{8}$ ¥ $9^{11}/_{16}$ in (358 ¥ 175 ¥ 246 mm)	$6^{1}/_{8}$ ¥ $4^{5}/_{16}$ ¥ $6^{15}/_{16}$ in (156 ¥ 110 ¥ 176 mm)

SPL/1m/1w ....90 dB

Input Sensitivity ....350 mV

Output Level (in W)... 2v (1w, 4 ohm)

Power Supply .... AC 120V 60Hz

System Weight...26.5 lb (12 kg)

Specifications are typical; individual units might vary. Specifications are subject to change and improve without notice.

RadioShack Limited Warranty

This product is warranted against defects for 90 days from date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your RadioShack sales slip** as proof of purchase date to any RadioShack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

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