



ALTEC LANSING®



User's guide



The lightning flash with arrowhead, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To prevent the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CAUTION

To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.

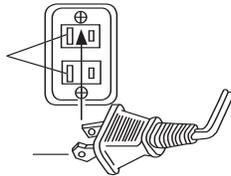
WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Connecting the Power Cord (AC Wall Socket)

Long slot is neutral (ground) side.

Insert the wide blade into the ground side slot.



Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water — This apparatus shall not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, shall be placed on the apparatus.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. The apparatus should not be situated on a bed, sofa, rug or similar surface that may block the ventilation openings. The apparatus must not be placed in a built-in installation, such as a closed bookcase or cabinet that may impede the flow of air through the ventilation openings. Ventilation should not be impeded by covering the openings with items such as newspapers, tablecloths, curtains, etc.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. No naked flame sources, such as lighted candles, should be placed on the apparatus.
10. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for the replacement of the obsolete outlet.
11. Protect the power cord from being walked on or pinched — particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
12. Do not install in an area which impedes the access to the power plug. Disconnecting the power plug is the only way to completely remove power to the product and must be readily accessible at all times.
13. Power source — Use only power supplies of the type specified in the operating instructions or as marked on the appliance. If a separate power supply is included with this apparatus, do not substitute with any other power supply — use only manufacturer-provided power supplies.
14. Unplug this apparatus during lightning storms or when unused for long periods of time.
15. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. For service, refer to qualified service personnel, return to the dealer, or call the Altec Lansing service line for assistance.

Altec Lansing Technologies, Inc. One Year Limited Warranty (Two-Year Limited Warranty In The European Union and Asia)

What Does The Warranty Cover?: Altec Lansing warrants that its products shall be free from defects in materials or workmanship, with the exceptions stated below.

What Is The Period Of Coverage?: For units purchased in European Union or Asia, this warranty runs for two years from the date of purchase. For units not purchased in Europe or Asia, this warranty runs for one year from the date of purchase. The term of any warranties implied by law shall expire when your limited warranty expires. Some states and/or Member States in the European Union do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

What Does The Warranty Not Cover?: This warranty does not cover any defect, malfunction or failure that occurs as a result of: improper installation; misuse or failure to follow the product directions; abuse; or use with improper, unintended or faulty equipment. (For information on proper installation, operation and use consult the manual supplied with the product. If you require a replacement manual, you may download a manual from www.alteclansing.com.) Also, consequential and incidental damages are not recoverable under this warranty. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

What Will Altec Lansing Do To Correct The Problem?: Altec Lansing will, at its option, repair or replace any product that proves to be defective in material or workmanship. If your product is no longer being manufactured, or is out of stock, at its option, Altec Lansing may replace your product with a similar or better Altec Lansing product.

How To Get Warranty Service: To get a covered product repaired or replaced, you must contact Altec Lansing during the warranty period by email (csupport@alteclansing.com). You must include in your email, your name, address, email address, telephone number, date of purchase and a complete description of the problem you are experiencing. In the United States, you may alternatively contact Altec Lansing by telephone at 1-800-ALTEC88 — please be prepared to provide the same information. If the problem appears to be related to a defect in material or workmanship, Altec Lansing will provide you a return authorization and instructions for return shipment. Return shipments shall be at the customer's expense, and the return must be accompanied by the original proof of purchase. You should insure the shipment as appropriate because you are responsible for the product until it arrives at Altec Lansing.

How Will State Law Affect Your Rights?: This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Please note that in the European Union, you as a consumer might have other legal rights under national legislation of European Union Member States governing the sale of Altec Lansing's goods. Those rights are not affected by this guarantee.

The above limited warranties and remedies are sole warranties and remedies available to purchaser, if, and to the extent, valid and enforceable under the applicable law.

Customer Service

The answers to most setup and performance questions can be found in the Troubleshooting guide. You can also consult the FAQs in the customer support section of our Web site at www.alteclansing.com. If you live in North America and still can't find the information you need, please call our customer service team for assistance before returning the speakers to your retailer under their return policy.

Tel: 800-258-3288

Email: csupport@alteclansing.com

If you live outside of North America, please visit our website at www.alteclansing.com and select your region to locate your country's distributor.

For the most up-to-date information, be sure to check our Web site at www.alteclansing.com.

International Distribution

International customers: For information regarding the distribution of Altec Lansing products in your country, please visit www.alteclansing.com and click on your region.

VS2321

Three-Piece Powered Audio System

Thank you for purchasing this Altec Lansing product. For generations, Altec Lansing has been first in audio innovation. Today, our line of powered speakers has received more performance awards than any other brand. In all kinds of environments, in every price range, Altec Lansing offers sound of distinction — giving even the most demanding customers the audio enjoyment they seek. Just listen to this!

Box Contents

- Two satellite speakers
- One subwoofer
- Color-coded cables
- User's guide
- Quick connect instructions (located on inner-flap of the package)

Placing Speakers

Subwoofer

All stereo-encoded information is heard through the satellite speakers. The subwoofer contains no stereo imaging, and its sound is non-directional. As a result, the subwoofer doesn't have to be placed in any particular relationship to the satellites. In addition, the subwoofer can be placed vertically or horizontally. However, placing the subwoofer on the floor close to a wall or room corner provides better bass efficiency and optimum sound.

Note: For your convenience when transporting the subwoofer, or simply to eliminate excess cabling, the power cord can be wrapped around the cord management system behind the subwoofer.

Warning: The subwoofer is not magnetically shielded. As such, it SHOULD be placed at least 2 feet (0.6m) from TVs, computer monitors, computer hard drives or any other magnetic media (e.g. floppy disks, Zip disks, computer or audio tapes, etc.).

Satellite Speakers

Arrange the satellite speakers to suit your listening tastes — from right next to the monitor to as far apart as the speaker cords allow.

For optimum sound, satellite speakers should be placed in a left/right configuration, preferably apart and at equal distance from the center of the listening area. This will offer the best stereo imaging and provide the most satisfying results.

Note: The satellite speakers ARE magnetically shielded and can be placed close to video displays such as TVs and computer monitors without distorting the image.

Making Connections

Warning: Do not insert the speaker system's power plug into a wall outlet until all connections are made. Also, turn off audio source (i.e., your PC, MP3 player, Sony PlayStation, etc.) before connecting the outputs to the speaker system's inputs.

To ensure first-time operation as expected, please carefully follow the connection sequences described below in the order indicated.

Speaker System

The satellites are connected together. To set-up the speaker system, insert the DIN connector (hardwired into the right satellite) into the input marked RIGHT SPEAKER on the rear of the subwoofer.

Notice that the DIN plug has an arrow. For easy insertion of the DIN connector, the arrow on the connector must face up.

Inputs

Various connection schemes between your audio source and the speaker system are available. Determine if you'll be setting up the speaker system for PC audio/PC gaming, DVD playback, console gaming or with portable audio devices (such as MP3 or portable CD players), then skip to the appropriate section.

PC Audio/PC Gaming/DVD Playback

All PC sound cards have audio outputs. Typically, the outputs will be marked as "front output" and "rear output." In some cases, slightly different terminology may be used. The sound card's documentation should help you determine which outputs to use with your speaker system.

Connect the lime green 3.5mm stereo cable (hardwired into the right satellite) to the lime green input labeled "FRONT" on your sound card.

Console Gaming

(Requires the Console Gaming Y-Adapter, which is not included but can be purchased on our Web site at www.alteclansing.com)

Most console game systems feature dual-RCA outputs. To connect your speakers, follow the steps below:

1. Make sure the power to your console gaming system is turned off.
2. The Console Gaming Y-Adapter has a lime green 3.5 mm stereo jack on one end and two RCA jacks on the other—one red and one white.
3. Connect the red and white RCA cable that came with your console gaming system to the matching red and white RCA jacks on the Console Gaming Y-Adapter.
4. Connect the lime green 3.5mm stereo cable (hardwired into the right satellite) to the lime green input on the Console Gaming Y-Adapter.

Portable Audio Devices (MP3, Portable CD Players, etc.)

Connect the lime green 3.5mm stereo cable (hardwired into the right satellite) to the headphone jack on your portable audio device.

POWERING ON

1. After all other connections are made, plug the AC power cord (on the back of subwoofer) into a wall outlet. The speaker system is now ready to operate.
2. Turn on the audio source.
3. Turn on the speaker system by turning the VOLUME knob on the right satellite until you hear a click sound. An LED will light on the front of the right satellite when the power is ON.

Note: To avoid hearing a popping sound when you turn on your Altec Lansing speaker system, always turn on your audio source first.

Volume

The VOLUME knob on the right satellite controls the master volume. Turn the knob clockwise to increase the volume and counterclockwise to decrease the volume.

Subwoofer Volume

The SUB LEVEL knob on the subwoofer controls the volume of the subwoofer. Turn the knob clockwise to increase the subwoofer volume and counterclockwise to decrease the subwoofer volume.

SFX Technology™

Sound Field Xpander™ technology allows your speaker system to deliver a wider stereo image for bigger sound at the touch of a button. Press the SFX button on the right satellite to turn it on. Press it again to turn it off.

Note: This feature does not work when using headphones.

Headphones

To use headphones with the system, plug them into the labeled  jack on the right satellite. When headphones are connected, the speaker system is muted.

Auxiliary Input

This auxiliary or secondary input is located on the front of the right satellite. Use it to connect any additional stereo audio source that has a line-out jack or a 3.5mm headphone jack, such as an MP3 player, a CD player, or a laptop. A line-out jack will ensure that the output is not amplified. Check the owner's manual for your audio device for more information.

If the audio source features a 3.5mm headphone jack, follow the steps below:

- Set the volume on the audio source at mid-level.
- Set the volume on the speaker system at minimum level and adjust upward to a comfortable listening level.

If the audio source features red and white RCA jacks, you will need a cable that has RCA plugs on one end and a 3.5 mm stereo male plug on the other. This type of cable may be purchased at most electronics stores.

System Specifications*

Altec Lansing's superior sound comes from our patented Dynamic EQ technology, which utilizes custom-built, high-fidelity drivers, state-of-the-art equalization circuitry, and a harmonious mix of the following specifications:

Sound Pressure Level (SPL):	99 dB	System Response:	35 Hz – 20 kHz (-10 dB)
Total Continuous Power:	28 Watts RMS	Signal to Noise Ratio @ 1 kHz input:	> 75 dB
• Front Speakers:	6 Watts/channel @ 4 ohms @ 10% THD @ 150 Hz – 20 kHz 2 Channels Loaded	Drivers (per satellite):	One 2" full-range driver
• Subwoofer:	16 Watts @ 8 ohms @ 10% THD @ 30 – 150 Hz Single Channel Loaded	Subwoofer:	One 5.25" woofer

*Power rating conforms to FTC Amplifier Rule #16 C.F.R. Part 432.

Troubleshooting

Symptom	Possible Problem	Solution
No LEDs are lit.	Power isn't turned on.	Turn the VOLUME knob on the right speaker until you hear a click sound. An LED will light next to the knob when the power is ON.
	AC power cord isn't connected to the wall outlet.	Check to see if the "Power On" LED is illuminated on the right satellite. If not, connect AC power.
	Surge protector (if used) isn't powered on.	If the AC power cord is plugged into a surge protector, make sure the surge protector is switched on.
	Wall outlet not functioning.	Plug another device into the wall outlet (same jack) to verify the wall outlet is working.
No sound from one or more speakers.	Power isn't turned on.	Verify the AC power cord is plugged into the wall outlet.
	Volume is set too low.	Turn the VOLUME knob on the right speaker until you hear a click sound. An LED will light next to the knob when the power is ON.
		Check volume level on the computer sound card or alternate audio source device, and set at mid-level.
	3.5mm stereo cable isn't connected to audio source.	Check plug connections on the audio source. Make sure the signal cables are inserted firmly into the correct jacks.
	3.5mm stereo cable is connected to wrong output on audio source.	Make sure the 3.5mm stereo cable is connected and fully inserted into the "line-out," "audio-out," or the headphone jack of the audio source.
Problem with audio source device.	Test the speakers on another audio device. Remove the 3.5mm stereo cable from the audio source device and connect it to "line-out," "audio-out," or the headphone jack of another audio source.	
Crackling sound from speakers.	Bad connection.	Check all cables. Make sure they are connected to "line-out" or "audio-out" jack on your sound card or other audio source — NOT "speaker-out."
	Volume level in computer operating system is set too high.	Check the computer operating system volume level and decrease it if necessary.
	A problem with your audio source device.	Unplug the stereo cable from the audio source. Then plug it into the headphone jack of an alternate audio source (e.g., Walkman, Discman or FM radio).

Symptom	Possible Problem	Solution
Sound is distorted.	Volume level set too high.	Turn the VOLUME knob counterclockwise to lower the volume.
	Computer operating system volume level is set too high.	Adjust the computer operating system volume and balance levels to the center as a starting point, then adjust the level on the speaker using the volume control.
	Sound source is distorted.	WAV files are often of poor quality. So distortion and noise are easily noticed with high-powered speakers. Try a different sound source such as a music CD.
Radio interference.	Too close to a radio tower.	Move your speakers until the interference goes away.
No sound from subwoofer.	Bad connection.	Check to make sure that all cables are connected properly and are making a clear connection.
	Sound source has little low-frequency content.	Many .WAV and .MID files often have little low-frequency content and sound flat when you listen to them on a computer. Try a song with more bass — something from your CD collection.
	Subwoofer volume is too low.	Turn the SUB LEVEL knob clockwise to raise the subwoofer volume.
Low hum from subwoofer.	The AC in your house is at 60 cycles per second, which is within the audio frequency of the subwoofer.	Some low hum may be detected when your speaker system is powered on without an audio source playing, or when the volume is set at an extremely low level.
Loud hum from subwoofer.	Bad connection.	Unplug the AC power cord from the surge protector (if used), and plug directly into an AC wall outlet.
		Move your cables. Check to ensure they are making a clear connection.
	Volume on your audio source device is set too high.	Disconnect your 3.5mm stereo cable from the audio source. If the loud hum goes away, lower the volume on the audio source.
		Lower the volume or bass level on your computer, portable device, etc.
Subwoofer volume is too high.	Turn the SUB LEVEL knob counterclockwise to lower the subwoofer volume.	
Distorted monitor.	Subwoofer too close to monitor.	Because the subwoofer is not magnetically shielded, it can cause distortion if it's too close to your monitor. Move the subwoofer so it's at least 2 feet from your monitor.



This Class B digital apparatus complies with Canadian ICES-003. • Cet appareillage digital de Classe B est conforme au ICES-003 canadien.

Corporate Headquarters
535 Rte. 6 & 209, Milford, PA 18337-0277, USA
866-570-5702 • 570-296-4434 • Fax 570-296-6887

Asia/Pacific
25 Canton Road, Tsim Sha Tsui, Kowloon, Hong Kong
(852) 2735-7331 • Fax (852) 2317-7937

US VS2321 MAN R01