

Adept Audio®

LSCAPESYS **Landscape Speaker System**



- LSAT4 Satellite Speakers
- AMP200 DSP Amplifier
- LSUB10 Subwoofer

Installation Manual

Thank you for buying Adept Audio Landscape Loudspeakers. These speakers were designed and tuned by the same engineers who invented multiple speaker satellite/subwoofer outdoor sound systems. They're built to install easily and quickly, and to sound fantastic day in and day out for years to come.

This manual provides all the necessary information for installation. If for any reason you experience problems or if you have installation questions, please call us at (888) 982-3378. Hours of operation are 8:00 AM to 5:00 PM (Pacific Time), Monday through Friday.

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IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions
- Keep these instructions
- Heed all warnings
- Follow all instructions
- Do not use apparatus near water
- Clean only with dry cloth
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat
- Do not defeat the safety purpose of 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 third prong are provided for your safety. If the plug does not fit into your outlet, consult an electrician for replacement for the obsolete outlet.
- Protect the power plug from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Use only with the cart, stand, tripod, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tipping over.
- Unplug this apparatus during lightning storms or when unused for long periods of time.

- 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 dropped or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.
- The equipment shall be used at a maximum temperature of 35 ° Celsius ambient temperature
- Do not open the equipment to reduce the risk of electric shock. For safety reasons it is only allowed to be opened by a qualified service person
- **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. And the apparatus shall not be exposed to dripping or splashing and that no objects filled with liquid, such as vases, shall be placed on the apparatus.
- The MAINS plug is used as a disconnect device and shall remain readily operable.
- The product shall be used in an open area or bench.



WARRANTY

Adept Audio warrants to the original retail purchaser only that this Adept Audio product will be free from defects in materials and workmanship, provided the speaker was purchased from an Adept Audio authorized dealer. If the product is determined to be defective, it will be repaired or replaced at Adept Audio's discretion. If the product must be replaced yet it is no longer manufactured, it will be replaced with a model of equal to or greater value that is the most similar to the original. If this is the case, installing the replacement model may require mounting modifications; Adept Audio will not be responsible for any such related costs.

2-YEAR LIMITED WARRANTY — AMP200 LIMITED LIFETIME WARRANTY — LSAT4 & LSUB10

This warranty may not be valid if the product was purchased through an unauthorized dealer. This warranty only applies to the individual that made the original purchase, and it cannot be applied to other purchases. The purchaser must be prepared to provide proof of purchase (receipt). This warranty will not be valid if the identifying number or serial number has been removed, defaced, or altered.

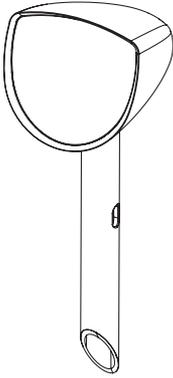
REQUIREMENTS & WARRANTY COVERAGE

All warranties and warranty conditions are subject to change. Please refer to www.adept-audio.com for the latest information.

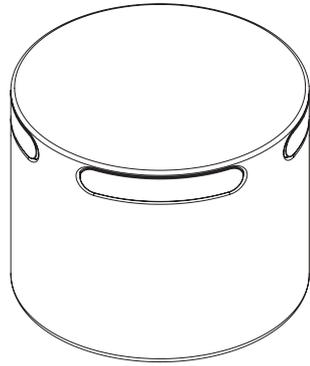
These conditions are not covered by warranty:

- Accidental damage
- Damage caused by abuse or misuse
- Damage caused by attempted repairs/modifications by anyone other than Adept Audio or an authorized dealer
- Damage caused by improper installation
- Normal wear, maintenance, and environmental issues
- Damage caused by voltage inputs in excess of the rated maximum of the unit
- Damage inflicted during the return shipment

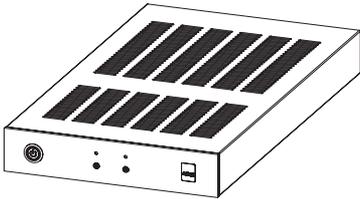
WHAT'S INCLUDED



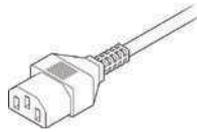
**(4) LSAT4 Satellite Speakers
with Mounting Spikes**



**(1) LSUB10
Subwoofer**



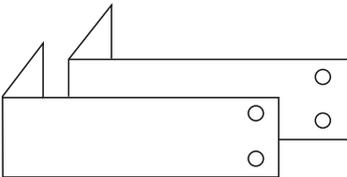
**(1) AMP200
DSP Amplifier**



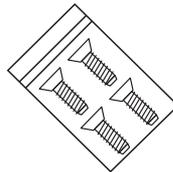
(1) AC Power Cord



**(12) Waterproof
Wire Nuts**



(2) Rack Ears



(8) Screws

TOOLS NEEDED

- Speaker Wire (Burial Grade)
- Wire Stripper
- Precision Screwdriver
- Shovel
- Trenching Shovel (Optional)
- Rubber Mallet (Optional)

SPEAKER CABLE CHOICE

Be sure to use burial-grade speaker cable for any cables that will be buried underground.

If the cables will be run through walls (such as running from the speaker system to an amplifier installed indoors), make sure your cables are CL3-rated for in-wall use.

To ensure the best performance from the speakers, use stranded speaker wire of the appropriate gauge for the length of the wire run.

Wire Length	Wire Gauge
0 -100' (0 - 30m)	16
50 - 150' (15 - 45m)	14
Over 100' (30m)	12

INSTALLING THE SPEAKERS

Positioning and installing the satellite speakers

The satellite speakers may be positioned so that sound is evenly dispersed around the outdoor space, or you can create as many as four individual stereo pairs to focus sound on certain parts of the outdoor space, such as a patio or play area. Alternate left- and right-channel satellite speakers when you mount them. Typically, best results are achieved by placing the speakers 6 to 15 feet apart.

Push the mounting spikes for the satellite speakers into the ground. If the ground too firm to push the spike in all the way, remove the speaker from the spike and tap the spike in gently with a rubber mallet. Be careful not to use too much force on the spikes, because they can break.

Adjust the speakers to point upward slightly, but do not point them up more than 45 degrees or water may accumulate in them, which will affect the sound.

Positioning and installing the subwoofer

The subwoofer should be placed as close to the middle of the speaker system as practical, ideally with half the satellite speakers on one side and half on the other.

You can place the subwoofer directly on the ground, or bury most of it. The LSUB10 dims are 15 $\frac{5}{8}$ " diameter x 12" high. For in-ground install, dig a hole 16" diameter and ~7" deep. Be sure the "grilles" are high enough as to not get submerged. Make sure the subwoofer enclosure is not in contact with large rocks, and that there is no empty space around it when it's buried.

Running the speaker cables

Run the left and right speaker cables from the amplifier to the subwoofer location. **(See Diagram 2 on page 10)**

From the subwoofer location, extend the left speaker cable to the left satellite speakers and the right speaker cable to the right satellite speakers using a parallel connection. Strip ½" of the jacket off the ends of all cables, and connect the LEFT positive conductor from the amp, to the LEFT input (WHITE is Positive / GREEN is Minus) on the subwoofer, extend from the subwoofer to the first LEFT satellite speaker and connect the LEFT + to the RED wire and the LEFT – to the BLACK wire on the 1st LEFT satellite speaker. Extend to the 2nd LEFT satellite speaker in the same manner Repeat this process if using additional satellite speakers on the LEFT channel (MAX of 4 satellites on each channel). *Connect speakers and subwoofer using only the supplied waterproof wire nuts.* **(See Diagram 1 below)**

Connect the RIGHT positive conductor from the amp, to the RIGHT input (RED is Positive / BLACK is Minus) on the subwoofer, extend from the subwoofer to the first RIGHT satellite speaker and connect the RIGHT + to the RED wire and the RIGHT – to the BLACK wire on the 1st RIGHT satellite speaker. Extend to the 2nd RIGHT satellite speaker in the same manner. Repeat this process if using additional satellite speakers on the RIGHT channel (MAX of 4 satellites on each channel). *Connect speakers and subwoofer using only the supplied waterproof wire nuts.* **(See Diagram 1 below)**

Diagrams 3 and 4 (pages 12 & 13) show alternate wiring options.

Make absolutely sure you always connect positive to positive and negative to negative. And be sure to connect right and left channels correctly.

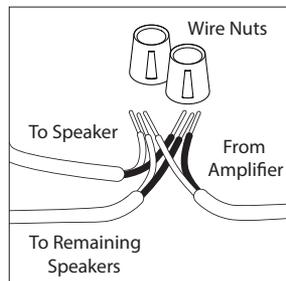
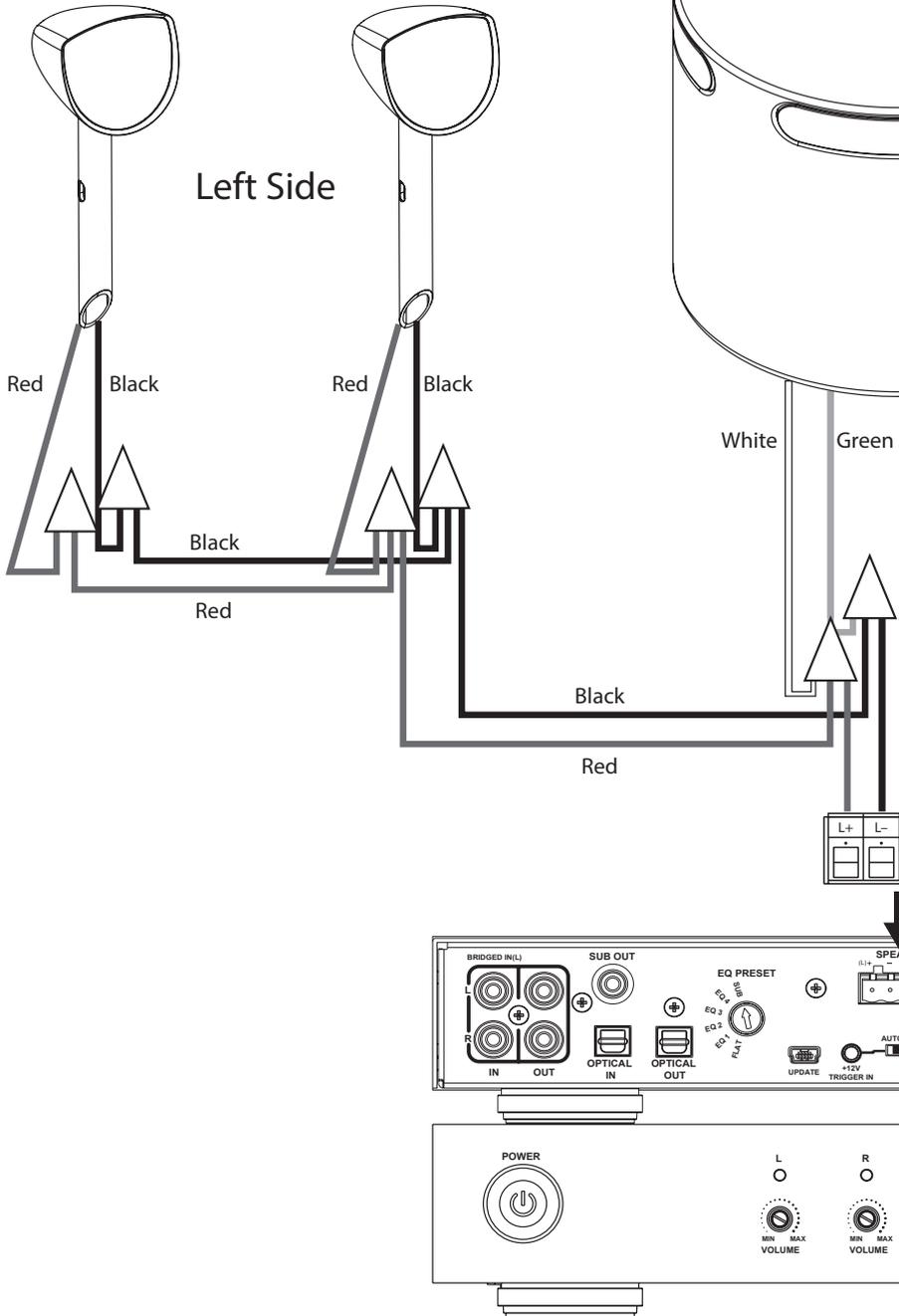


Diagram 1

Diagram 2

Left side Right side wiring



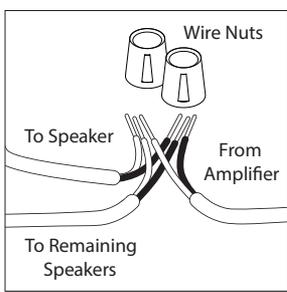
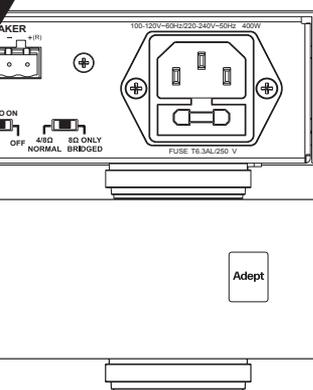
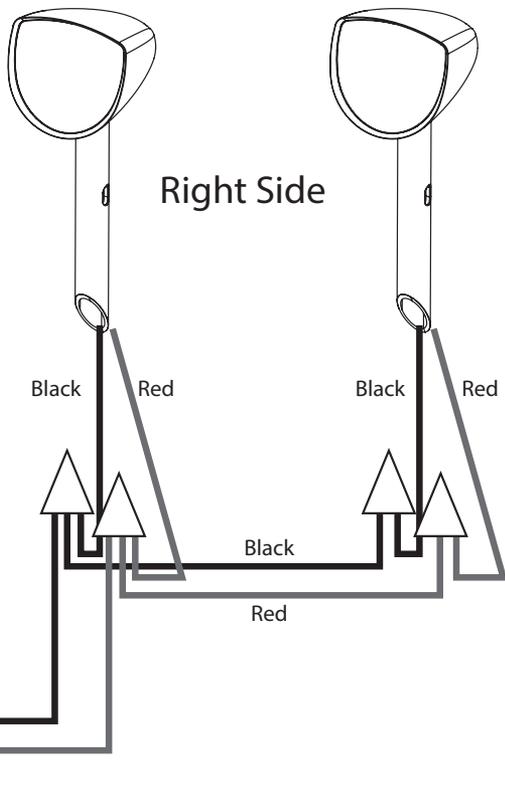
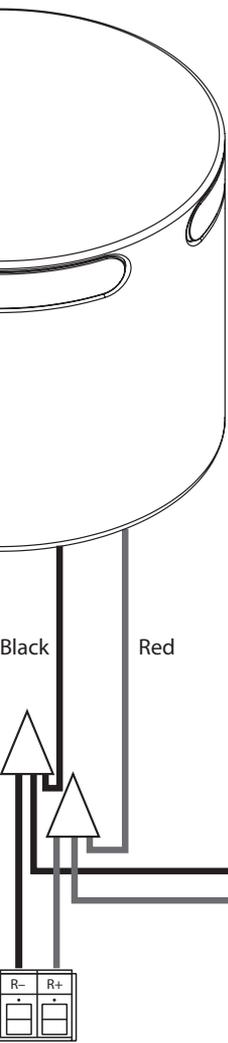
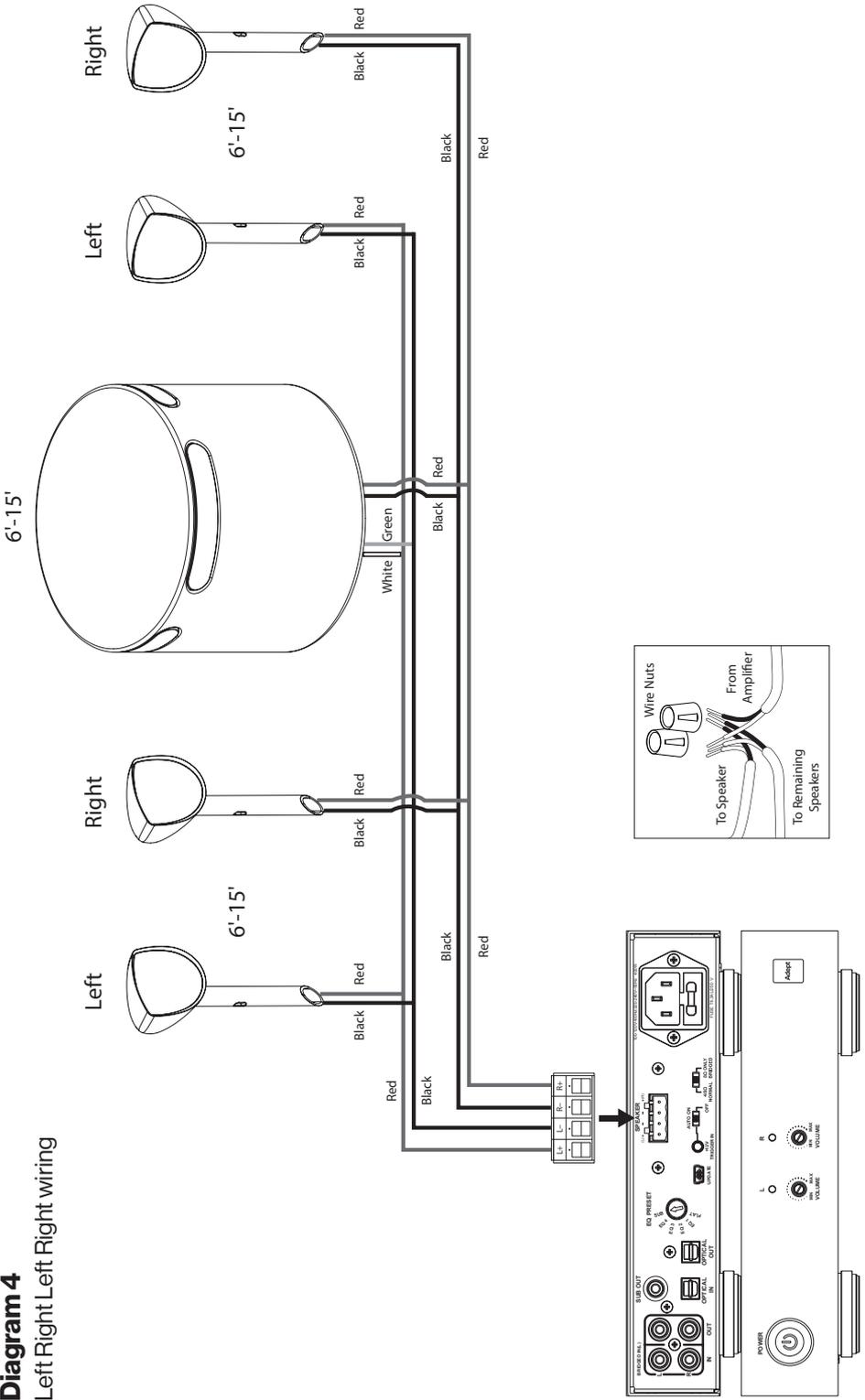
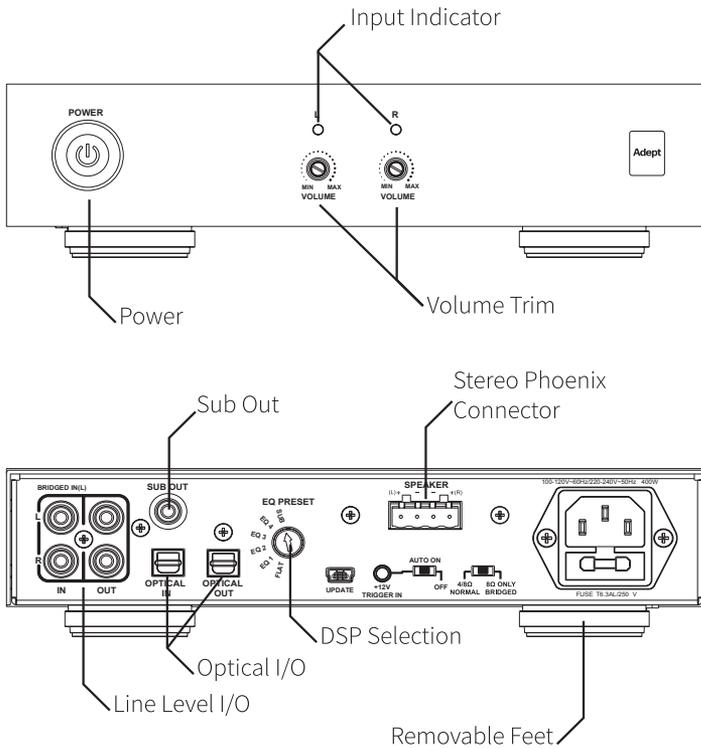


Diagram 4
Left Right Left Right wiring



CONNECTING & ADJUSTING THE AMPLIFIER



Connections

Strip ¼" of jacket off the left and right speaker cables from the speakers, and insert them into the respective location on the Phoenix connector supplied with the amp, making sure to connect left to left, right to right, positive to "+" and negative to "-". Push the Phoenix connector firmly into the back of the amplifier.

Connect either a left & right analog stereo RCA audio cable or an Optical digital cable from your source (typically a multiroom audio controller or an audio streaming device) to the amplifier's left & right analog inputs or the optical input.

EQ Presets

The AMP200 has six factory presets that allow you to optimize the shape of the sound, and the number of satellite speakers you use.

EQ PRESET:

Flat – EQ bypassed

EQ1 – High Freq & 0dB <150Hz

EQ2 – High Freq & -2dB <150Hz

EQ3 – High Freq & +2dB <150Hz

EQ4 – High Freq & +5dB <150Hz

Sub – Subwoofer (low frequencies only)

Impedance Switch

The AMP200 has an impedance switch with two settings: 4/8 ohms, and 8 ohms (bridged). Use the 4/8 ohms setting.

Level Controls

The AMP200 has two screwdriver-adjustable level controls on the front panel, for left- and right-channel volume. At first, set these at about 9 o'clock (pointing to the left). Play some modern rock or R&B music that is recorded at a loud level. Now turn the volume control on your sound source (a multichannel audio controller, streamer, etc.) all the way up, then turn up the AMP200's level controls until you reach the maximum volume you want. Make sure you do not set the level controls so high that the speakers distort.

TESTING THE SYSTEM

Get the system playing, then go up close to each of the satellite speakers and the subwoofer to make sure all of them are working. If any one speaker is not working, check the connection for that speaker. If multiple speakers are not working, start by checking the connection for the disconnected speaker that's closest to the subwoofer, then check the other connections down the line until you get all the satellites working.

Play a tune with vocals. Stand equidistant from the first left/right pair of satellite speakers. The vocals should mostly seem to coming from a point between the left and right speakers. If the vocals sound spacey, like they're coming from all around, check the positive and negative polarity connections for that pair of speakers. Repeat with all the other left/right pairs.

Once you're confident that the system is working correctly, go ahead and bury the wires. When the wires are buried, check the system once again to make sure all the speakers and the subwoofer are connected.

TROUBLESHOOTING

No sound from all speakers: Make sure the amplifier and source device (music streamer, multiroom controller, etc.) are turned on, music is playing, and the volume is turned up. Check the connections between the source device and the AMP200 to make sure they are firmly connected and that the cables are in good condition. Check the connections on the speaker cables between the AMP200 and the subwoofer to make sure they are securely connected.

No sound from one speaker: Dig down to find the cable connection to that speaker and check the connection to make sure it's secure. If the connection seems good, try connecting a spare speaker to see if it works. If the spare speaker works but the Landscape speaker doesn't, contact Adept Audio.

No sound from all the right-channel or all the left-channel speakers: Check to make sure the source device is connected to the input of the AMP200. Check the connections on the speaker cable for that channel going from the AMP200 to the subwoofer, and the connection going from the AMP200 to the first satellite speaker for that channel.

Bass is weak: Check the polarity of the speaker cables going from the AMP200 to the subwoofer, and make sure positive is connected to positive and negative to negative on both ends of both cables. If you're in mode 1, 2 or 5 on the DSP switch on the AMP200, try setting it to 3 (if you have four satellites) or 4 (if you have eight satellites).

SPECIFICATIONS

LSAT4 Satellite Speakers

- 4¼" Injection-Molded Polypropylene Woofers
- ¾" PEI Dome Tweeters
- Frequency Response: 120Hz - 20kHz
- Weather & UV Resistant ABS Enclosure
- Dimensions: 5.8" x 5.6" x 7.1" (147 x 142 x 180 mm)
- Ground Spike: 11" (249 mm)

LSUB10 Subwoofer

- Installs In-Ground or Above Ground
- 10" Dual Voice-Coil Polypropylene Woofer
- Sealed Enclosure for Low Bass Extension
- 15⅝" Dia x 12" H

System Impedance

- 8Ω with 4 Sats & Subwoofer
- 4Ω with 8 Sats & Subwoofer

AMP200 Digital 2-Channel Power Amp

- 200 Watts x 2 Channels
- Expandable to Safely Run 8 LSAT4's
- 6 DSP Preset Choices for System Optimization
- Over/Under Voltage Protection
- ½ Rack 1U – System Includes 19" Rack Ears
- 8½ W x 15⅜ D x 2⅛ H

If you have any questions or concerns about installing or using this product, you can reach us through one of the following methods:

Phone: (888) 982-3378

Hours of operation: 8:00am - 5:00pm (Pacific Time), Mon - Fri

Email: techsupport@adept-audio.com

If you are having technical trouble, please include the model number and briefly explain what steps you took to resolve the problem in your email, or be prepared to answer these questions over the phone. If you are considering returning the product, it's required that you contact Adept Audio prior to any return attempts. This way we can determine if the issue can be resolved without returning the product, or if needed we can provide instructions and support for the return process.

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