



DSP3-150

DIGITAL AMPLIFIER

Installation Manual
DSP3-150

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 install near 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 the third prong are provided for your safety. If the plug does not fit into your outlet consult an electrician for replacement or 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 car/apparatus combination to avoid injury from tipping over.

- Unplug this apparatus during lightning storms or when unused for period of times.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus had been damaged, liquid had been damaged in any way, such as power supply cord or plug id damaged, liquid had 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 degrees 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 the rain or moisture. And the apparatus shall not be e3xposed 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.



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Thank you for purchasing the DSP3 Series amplifier. At Origin Acoustics, we take pride in providing you with a high quality product. All of Origin Acoustics' products are designed to have excellent sound quality, longevity, and a simple installation process.

This instruction booklet covers the necessary information for a smooth installation, including: the tools you will need, step-by-step instructions for installation, troubleshooting tips for any errors that may occur, and all warranty information. If for any reason you experience problems or if you have installation questions please call us at (844) 674-4461. Hours of operation are 8:00am to 5:00pm (Pacific Time), Monday through Friday.

Specifications

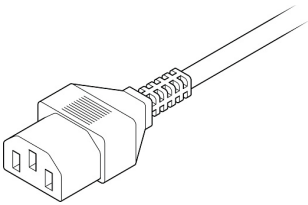
MODEL	DSP3-150
PART	AMPD03X1500
# of Channels	3 Powered Out (L/R/S)
Analog Input	2x RCA A/B Unbalanced
Digital Input	1x Optical
Analog output	2x RCA A/B Unbalanced
Dimensions	17 x 3 ½ x 14" (433 x 88 x 357mm) (Without mounts)
	19 x 3 ½ x 14" (482 x 88 x 357mm) (With mounts)
Output Power	150W @ 4Ω - Left
	150W @ 4Ω - Right
	300W @ 4Ω - Subwoofer
THD @ Rated Power 4 ohm	L/R: <1% (1Khz) Sub: <3% (5hz)
Protection	Over-Current, Over/Under Voltage, Output DC and Over-Temperature

*All product specifications are subject to change. Please refer to the dealer portal for the latest information.

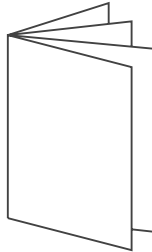
The gauge of wire used can have an impact on the performance of your speakers. Use a multi-stranded wiring designed for amplifier to speaker connections. Which gauge to select depends on the length of wire to be used on any particular speaker. The longer your run is, the larger your wire size must be.

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

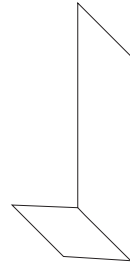
What's Included



Power Cable



Manual



Rack Ears

About the DSP3-150

This amplifier is highly flexible with three channels of power. Total wattage is 600W @ 4Ω, with 150W on the left and right channels and 300W for the subwoofer channel.

Preloaded with DSP settings for Origin Acoustics loudspeakers, there is optional software for creating your own presets. Visit originacoustics.net or speak with your integrator to download.

Please note that the 300W subwoofer channel uses a summed stereo signal.

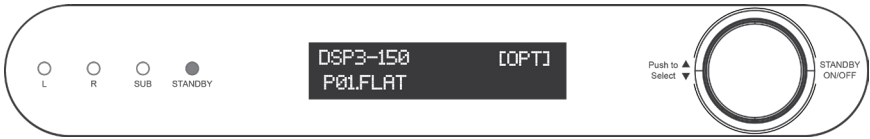
Starting Out



The knob of the DSP3-150 Amplifier can both be pressed and turned left and right. After the initial boot-up sequence, the knob can be used to adjust input volume up or down via rotation, and a single press will enter the main menu mode.

The LED lights on the front indicate input signals on their respective channels. The final standby light will be red during sleep mode and blue when the amplifier is awake.

Main Menu



There are seven sub-menus, each containing a unique function. Pressing the knob will enter each sub-menu. To leave a sub-menu, make your selection and press the knob once again. To leave the main menu, rotate the knob until the screen reads, “7. Exit Menu” and then press the knob.

Select A DSP Preset



Rotate the knob until the desired program is on screen.

Press the knob to load the selected program.

Adjust Output Volume



Rotate the knob to adjust the output volume for the selected channel.

Press the knob cycle through L, R, SUB channels.

Adjust Auto-Off Timing



Rotate the knob to adjust the auto-off timer by using five-minute increments

Press the knob to save the selected setting.

Allow for External Triggers



Rotate the knob to turn external triggers on and off.

Press the knob to save the selected setting.

Switch System Inputs



Rotate the knob to select between analog and optical inputs.

Press the knob to save the selected setting.

View Current Software Version



Press the knob to exit after viewing.

Exit Menu



Press the knob to exit this menu.

Troubleshooting

If you have a problem, try isolating it first. For example, if you're playing a DVD and there is no sound, try replacing the DVD with an MP3 player to see if you get sound. If it does work, then the problem is with the television, DVD player, or the cables connecting them. If it doesn't work, the problem will be with the amplifier, speakers, or those cables.

Problem	Possible Cause
No Sound	The volume may be turned down or muted. Check the volume settings on both the amplifier and the television/computer/CD player/etc.
No Sound	Make sure the proper source is selected on the amplifier or receiver.
No Sound	Check the cord connecting the amplifier with the source. The cord may be damaged or plugged into the wrong input or output.
No Sound	Check the wires connecting the amplifier with the speakers. Make sure they're connected properly and not damaged in any way.
Poor Sound Quality	If you hear something like static, or the sound is cutting in and out, check the audio cables. If the problem increases when a cable is being moved, then the cable is most likely faulty or not connected properly.
Poor Sound Quality	Today's audio systems may have several places to adjust the volume, for example your MP3 player may have a volume control, and your amplifier may also have one. Check to be certain that the volume isn't turned up past 80% on any device.
Poor Sound Quality	Try changing sources to be certain that the selection you've chosen is a good quality recording.

Technical Assistance

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

Phone: (844) 674-4461

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

Email: techsupport@originacoustics.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 Origin Acoustics 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.

2 Year Limited Warranty

Origin Acoustics warrants to the original retail purchaser only that this Origin Acoustics product will be free from defects in materials and workmanship, provided the speaker was purchased from an Origin Acoustics authorized dealer.

If the product is determined to be defective, it will be repaired or replaced at Origin Acoustics' 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; Origin Acoustics will not be responsible for any such related costs.

Requirements & Warranty Coverage

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.

***All warranties and warranty conditions are subject to change. Please refer to**

www.originacoustics.com for the latest information.

Not Covered by Warranty

- Accidental damage
- Damage caused by abuse or misuse
- Damage caused by attempted repairs/modifications by anyone other than Origin Acoustics 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

Return Process

Before making any return attempts, it is required that you first contact Origin Acoustics. Return product to Origin Acoustics or your dealer, either in person or by mail. It's preferable if the product is returned in the original packaging. If this isn't possible, the customer is responsible for insuring the shipment for the full value of the product.

This warranty is in lieu of all other expressed or implied warranties. Some states do not allow limitations on implied warranties, so this may not apply depending on the customer's location. (For more information, see Magnuson-Moss Warranty Act.)



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