




JDS Labs EL Amp II+ Balanced Amplifiers Instruction Manual

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OPERATING INSTRUCTIONS
AMPLIFIERS
EL AMP II+ BALANCED



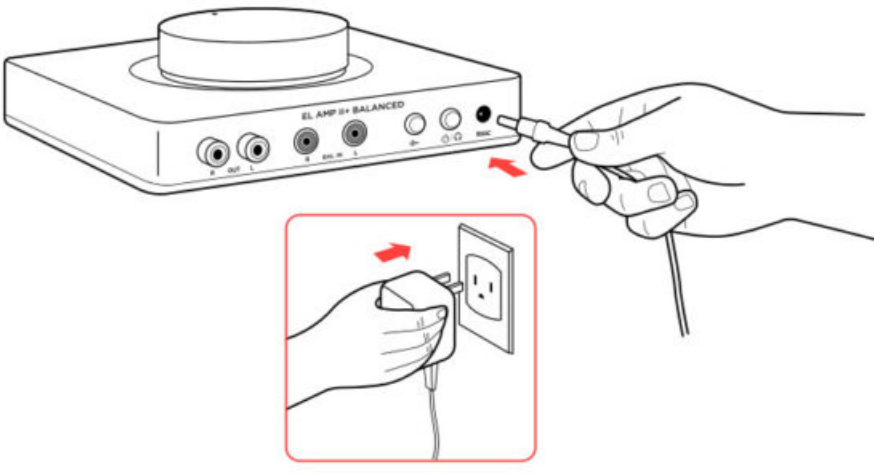

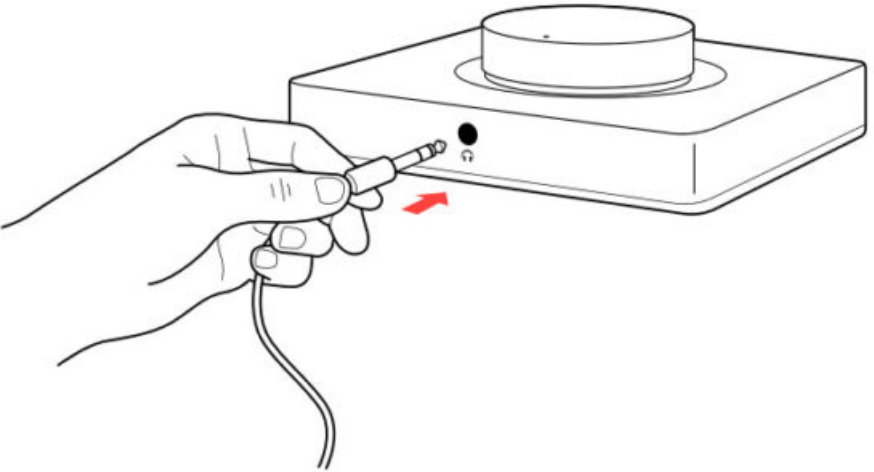
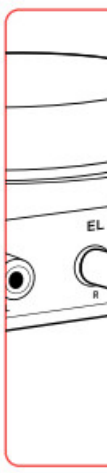
SUPPORT

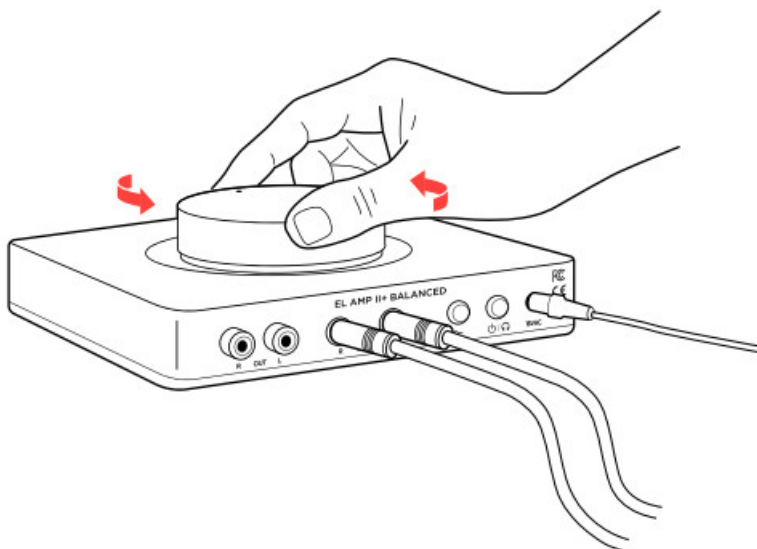
ONLINE	BY PHONE
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JDSLABS.COM/SUPPORT	9:30 AM-6 PM CST, MONDAY RIDAY

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QUICK SETUP

	
STEP 01 Connect AC power adapter to rear power jack (16VAC), then connect to the wall outlet.	STEP 02 Connect a cable from y
	
STEP 03 Connect headphones to the front headphone output jack.	STEP 04 Press the power button ing.



STEP 05

Slowly raise the volume knob to an appropriate listening level. See Listening Tips on page 5.

SECTION 2

CONFIGURATION

Connectivity

EL AMP II+ Balanced accepts analog input via 1/4" TRS jacks.

RCA Line Output jacks are active while the amplifier is turned off, and automatically mute when the amplifier is turned on.

Maximum Balanced TRS Analog Input Level (High Gain):	4.2 VRMS (+14 dBu)
Maximum Balanced TRS Analog Input Level (Low Gain):	9.6 VRMS (+21 dBu)

Setting Gain

Press the gain button to toggle between low or high gain amplification. Always use the lowest gain necessary. Switch to high gain only when you're unable to achieve desired listening volume at low gain.

Source Safety

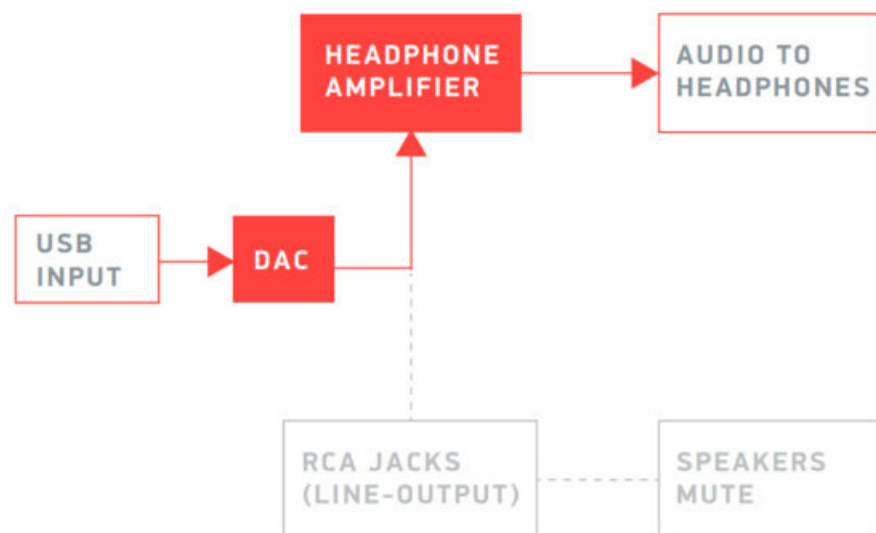
EL Amp II+ Balanced is DC coupled for maximum signal quality and requires an input source with < 4.5mV of DC offset for safe operation. All JDS Labs DACs and consumer audio sources are safe to use.

If you experience warm headphones, a loud pop when changing gain, or severe rustling sounds while adjusting volume, immediately power off and contact the manufacturer of your audio source to ensure DC offset is below 4mV.

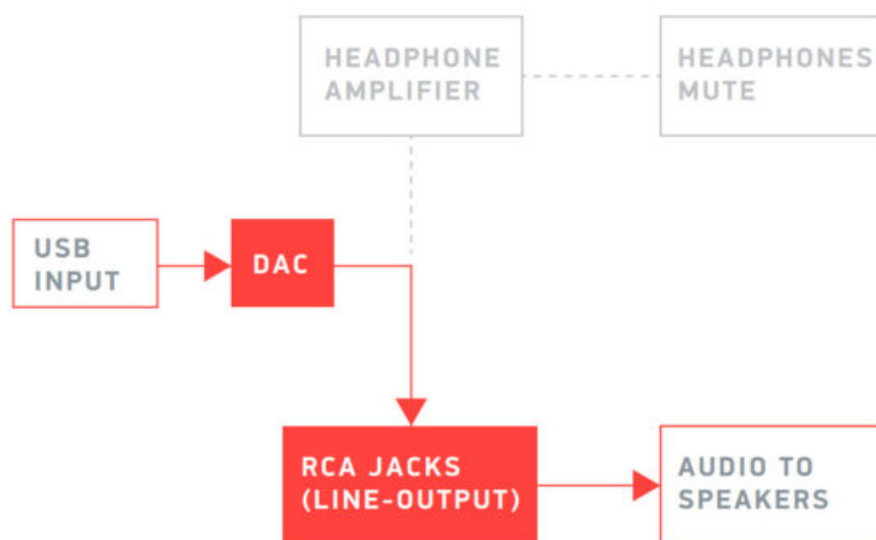
Preamp-Output Functionality

EL Amp II+ Balanced provides headphone output and RCA Preamp Outputs. Hold the Power/ Mode button for at least 1 second to toggle between these modes. Only one mode is active at a time. Volume is adjustable in either mode.

HEADPHONE OUTPUT MODE



RCA OUTPUT MODE



Listening Tips

EL Amp II+ can amplify headphones to dangerously loud audio. Listen safely to conserve your hearing:

www.hearingloss.org

To ensure an optimal noise floor, always position headphone amplifiers as far away as possible from wireless devices.

Operating Care

EL AMP II+ uses a high current power supply and runs warm to the touch. Avoid covering the top and sides.	EL AMP II+ er at least c
Do not lift the amplifier by knob, or turn the knob beyond its limits.	Use gentle

Troubleshooting

The amplifier does not turn on

Cause: Missing or loose power adapter connection.

Solution: Firmly connect AC adapter to 16VAC power jack.

Internal LED flashes, then turns off

Cause: Wrong power adapter detected.

Solution: Please see the Power Adapters section below.

No sound in one channel

Cause: Bad cable, or incorrect computer settings.

Solution: Check balance settings; try another headphone or RCA cable. Some Mac OS X systems will pan audio to the Left channel upon initial connection of a DAC. The user must restore balance to the center.

No sound from the headphones

Cause: Wrong mode, incorrect connectivity, or incorrect setup

Solution: Please see the Connectivity page to toggle between Headphone or RCA Output. Check to cable.



Power Adapters

ATTENTION: Incorrect power adapters can result in capacitor explosion hazards and device damage. Only use the power adapter included with your Element:




Application for Council Directives 2004/108/EC, 2006/95/EC, 2002/95/EC. Conformity declared for EN55022:2011, EN611000-3-2, EN61000-33, EN55024-2



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

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Documents / Resources

	<p>JDS Labs EL Amp II+ Balanced Amplifiers [pdf] Instruction Manual</p> <p>EL Amp II Balanced Amplifiers</p>
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References

- [JDS LABS_Makers of the Element and Atom Headphone Amps + DACs](#)