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OPERATING INSTRUCTIONS | AMPLIFIER

# OBJECTIVE 2

## SUPPORT

ONLINE

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CONTACT@JDSSLABS.COM  
JDSSLABS.COM/SUPPORT

BY PHONE

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314-252-0936  
9:30AM-6PM CST,  
MONDAY THROUGH FRIDAY

BY MAIL

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909 N BLUFF RD  
COLLINSVILLE, IL 62234  
UNITED STATES

# QUICK SETUP

## STEP 01

Connect AC power adapter to 15VAC power jack, then connect to wall outlet.

## STEP 03

Connect headphones to the front headphone output jack.

## STEP 05

Slowly raise the volume knob to an appropriate listening level.

*See listening tips on page 5*

## STEP 02

Connect a cable from your audio player to input jack.

## STEP 04

Press the power button on the front, left side of the amplifier. Keep volume low until music is playing.

# CONFIGURATION

## CONNECTIVITY

Objective2 accepts analog input through the front, right 3.5mm input jack, or by RCA jacks if customized.

## SETTING GAIN

Press the gain button (right of volume knob) 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.

<b>Maximum RCA Analog Input Level</b>	
6.5x Gain	1.08 VRMS (+2.9 dBu)
4.5x Gain	1.56 VRMS (+6.1 dBu)
3.5x Gain	2.00 VRMS (+8.2 dBu)
3.3x Gain	2.12 VRMS (+8.7 dBu)
2.5x Gain	2.80 VRMS (+11.2 dBu)
1.0x Gain	7.00 VRMS (+19.1 dBu)

# LISTENING TIPS

Listen safely to conserve your hearing:  
[www.hearingloss.org](http://www.hearingloss.org)

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

# OPERATING CARE

Objective2 can be safely powered on 24/7.

Use gentle force when inserting or removing cables.

# CHARGING INSTRUCTIONS

1. Connect an AC power adapter to the 14-20 VAC Jack, then connect AC adapter to wall. Amplifier can be used simultaneously.
2. Charge time for included NiMH batteries is ~24 hours.
3. Objective2 charges indefinitely at a low current. No charge indication is necessary or provided. Simply disconnect the power adapter as needed.

# INCLUDED ITEMS

- Objective2 Headphone Amplifier
- 15VAC Adapter

# TROUBLESHOOTING

## Objective2 produces no sound, but power LED is on

**Cause:** Batteries are low

**Solution:** Connect AC adapter to recharge.

## Objective2 turns off unexpectedly and/or produces clicking or popping sounds

**Cause:** Batteries are low

**Solution:** Immediately turn the amplifier off or connect to AC adapter. Failure to turn amp off for long durations of popping sounds may damage headphones.

## Objective2 does not charge, charges only 1 battery, or clicks while connected to power adapter

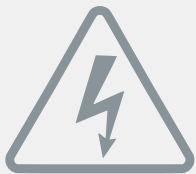
**Cause:** Incorrect power adapter

**Solution:** Use a 14-20VAC power adapter. See notes below.

## Distortion at high gain

**Cause:** Objective2's volume control resides between its input and output stages. Some combinations of headphones and line-level sources can overdrive the Objective2's input stage. Refer to NwAvGuy's blog for thorough explanation.

**Solution:** Use low gain or reduce source volume. Stronger AC adapter can sometimes help.



## POWER ADAPTERS

**ATTENTION:** Incorrect power adapters can result in capacitor explosion hazards and device damage. Only use the power adapter included with your Objective2:

Type: AC-to-AC Transformer	Output Voltage: 15VAC
Current: Minimum 500mA	Connector: 2.1x55.mm (ID x OD)



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