JDS LABS

C5 Headphone Amplifier
Instructions Guide

General Use

Battery may require charging prior to first use. See next page.

1. Connect headphones to the **Output** jack.
2. Connect an audio player to the **Source** jack using a 3.5mm interconnect or Line Output Adapter cable.
   To ensure proper startup, keep audio player off or paused before turning C5 on.
3. Turn the rear **Power** switch on.
4. Slowly raise volume to an appropriate level.

Feature	How to Use
Volume	Hold volume lever left to decrease volume, or right to increase volume.
Gain	Push volume control to toggle high/low
Bass Boost	Toggle Up for normal audio, Down for medium, Center for high bass boost

Equipment Care

✓ Use included rubber bumpers to avoid scratches.
✓ Always insert cables with care, and avoid cable strain to maximize audio jack life.

Listening Tips

✓ For maximum sound quality, use a line level source, or turn your audio player's volume up very high (75%+). Volume should always be controlled from the amplifier.
✓ You should hear *no noise* from C5 with your audio player disconnected. Every amplifier is tested to ensure proper operation. If noise is present or audio is significantly distorted at all volumes, try a different input cable.
✓ This amplifier can produce dangerously loud music. Be sensible and listen safely: www.hearingloss.org

Thank you for purchasing C5. If you have additional questions or comments, please contact us at:
contact@jdslabs.com

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Charging

 C5 uses smart Li-Ion recharging technology, with typical charge time of 2-5 hours. Connect a mini-USB cable to any USB outlet to begin charging.

Amplifier may be used while charging, and USB cord may be connected/disconnected as desired.

Amplifier	LED Status
Off	Off
On	Solid Green
Low Battery	Flashing Green
Charging	Blue

USB Noise: Some computers may impose noticeable ground loop noise while charging via USB and listening from the computer's audio jack. To resolve excess noise, use an AC-to-USB (wall) power adapter for charging.

Specifications and Operating Conditions

Amplifier Specifications	
Frequency Response	+/- 0.1 dB
THD+N (20-20kHz, 150 Ω)	0.0015%
THD+N (20-20kHz, 32 Ω)	0.0045%
Noise	-105 dBu
Crosstalk @ 150 Ω	-67 dB
Inter-channel Phase @ 1kHz	+/- 0.01 degrees
Channel Balance	+/- 0.55 dB
Max Output @ 600Ω	4.146 VRMS
Max Output @ 150Ω	3.580 VRMS
Max Output @ 32 Ω	1.182 VRMS
Power Supply	14.0 Vpp
Output Impedance	0.62 Ω
Battery Run Time	11-14 Hours*
Charge Time	2-4 Hours
Operating Temp	0°C to 60°C
Operating Humidity	0 to 85% Relative
Dimensions	99.5 x 61.5 x 14.0 mm
Weight	4.2 ounces

Test equipment: PrismSound dScope Series III audio analyzer, Tektronix TDS1012 oscilloscope
*Run time and charge time observed under typical usage. Actual run time will vary with equipment and volume.

ATTENTION: Battery must only be replaced with equivalent 3.7V, 1200mAh Li-Ion pack. Misuse of the battery may cause fire or burns. JDS Labs, Inc. is not responsible for damages caused by device misuse, or failure to adhere to device instructions.