

## 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](http://www.hearingloss.org)

Thank you for purchasing C5. If you have additional questions or comments, please contact us at: [contact@jdsllabs.com](mailto:contact@jdsllabs.com)



## 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 $\Omega$ ) | 0.0015%               |
| THD+N (20-20kHz, 32 $\Omega$ )  | 0.0045%               |
| Noise                           | -105 dBu              |
| Crosstalk @ 150 $\Omega$        | -67 dB                |
| Inter-channel Phase @ 1kHz      | +/- 0.01 degrees      |
| Channel Balance                 | +/- 0.55 dB           |
| Max Output @ 600 $\Omega$       | 4.146 VRMS            |
| Max Output @ 150 $\Omega$       | 3.580 VRMS            |
| Max Output @ 32 $\Omega$        | 1.182 VRMS            |
| Power Supply                    | 14.0 Vpp              |
| Output Impedance                | 0.62 $\Omega$         |
| 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.

### FCC Certifications

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

### CE Mark Warning

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE, the essential protection requirement of Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.