

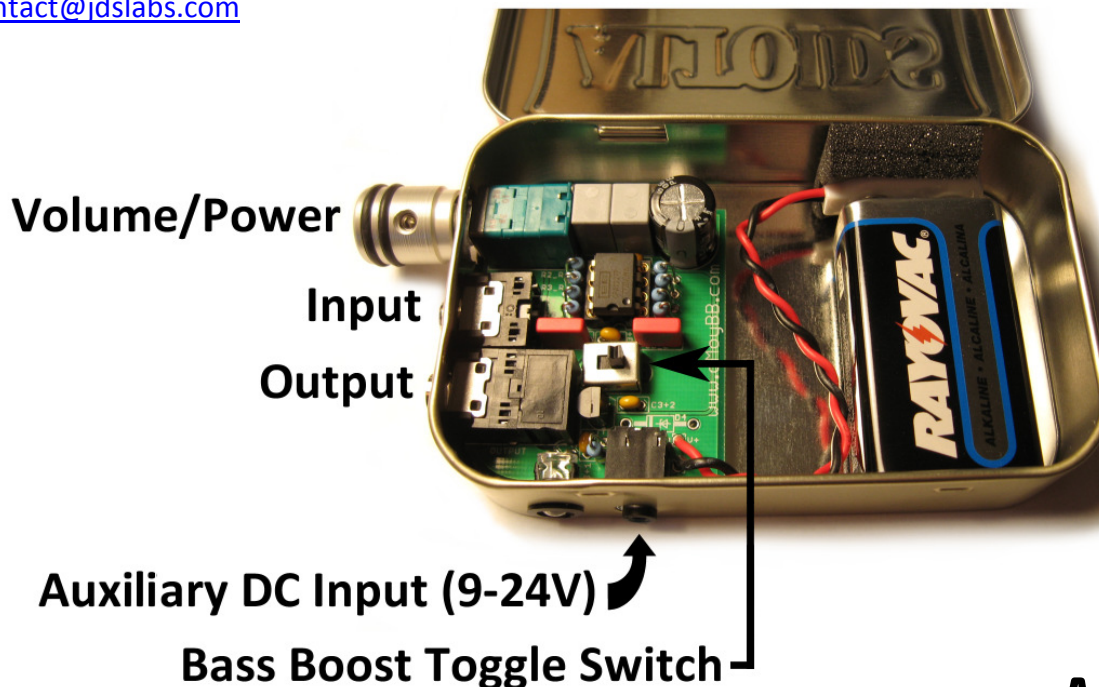
JDS Labs cMoyBB™ v2.02 Headphone Amplifier Instructions

1. Connect an audio source to the **Input** jack using a 3.5mm interconnect cable.
 2. Connect headphones to the **Output** jack.
 3. Turn the **Volume** knob clockwise to power on the amplifier. Keep the volume low until music is playing.
 4. Slowly raise the cMoyBB's Volume knob to an appropriate level. See Listening Tips below.
- Bass boost can be turned on or off by moving the toggle switch right or left, respectively. Do not expect your headphones to be able to play as loudly with bass boost turned on—this feature pushes headphones to the limit.
 - Dead/weak batteries should be avoided. If sound quality has degraded or distorts at high volumes, try a new battery or a DC adapter. High voltage DC adapters can greatly extend the dynamic range of the cMoyBB.
 - You should hear no noise with your audio player plugged in and paused/muted. Each cMoyBB is hand tested to ensure that it produces an extremely clean signal. If this is not the case, try a different cable.

Listening Tips

- ✓ For maximum sound quality, turn your audio player's volume up very high and only use the cMoyBB's volume control. As a general guideline, the source volume should be set so the amplifier plays cleanly to slightly past half of its volume knob rotation.
- ✓ Many audiophiles agree that new headphones and amplifiers require tens to hundreds of hours to "break-in." Past cMoyBB customers have reported remarkable changes after 50-75 hours of usage.
- ✓ Use a line-out signal whenever possible. iPod line-output adapters can be found online.
- ✓ This amplifier can produce dangerously loud music. Please be sensible and listen safely.

Thank you for purchasing the cMoyBB. If you have additional questions or comments, feel free to contact us at: contact@jdslabs.com

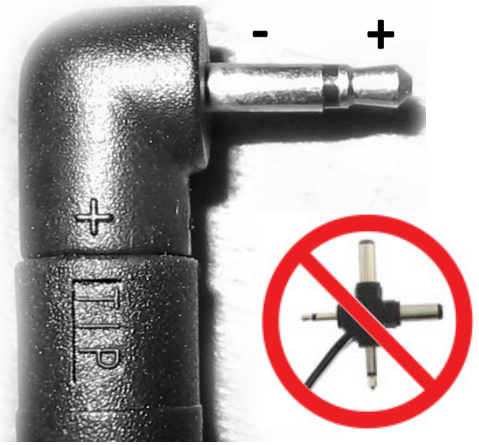


DC Adapter Information



ATTENTION: Improper DC adapter tips can result in battery explosion hazards. For safe operation, only use a Recommended power adapter and tip³. Always verify battery safety. Remove battery and cap connector for long-term power adapter use. Use other adapters at your own risk.

- Required power adapter characteristics:
 - Type: Linear (non-switching), regulated¹
 - Voltage: 9-24V DC output
 - Current: Less than 1000mA output
 - Connector: 2.5x11mm submini with Positive Tip
- Only insert or remove a DC adapter plug while the cMoyBB is OFF.



WARNING: If you intend to use the cMoyBB with your vehicle's stereo, you must power the amplifier with a 9V battery. Never power a cMoy from your vehicle's power system. See www.idslabs.com/faq for details.

Failure to follow the above guidelines can result in permanent damage² to your cMoyBB!

Recommended North American AC-to-DC Adapters	Supplier	Part #	Price
Xicon 12VDC, 200mA with 2.5mm Plug - UL Listed <i>Note:</i> REMOVE BATTERY & CAP CONNECTOR ³ with this adapter. Actual output is 16-17V	Mouser.com	412-112022 & 534-96	\$7.63 \$0.22
Xicon 12VDC, 100mA with 2.5mm Plug <i>Note:</i> REMOVE BATTERY & CAP CONNECTOR ³ with this adapter. Actual output is 16-17V	Mouser.com	41AC112 & 534-96	\$6.29 \$0.22
Enercell 12V, 500mA + AdaptaPlug E <i>Note:</i> Always verify battery safety ³ .	RadioShack	273-357 & 273-338	\$21.99 \$6.99
RadioShack 13.5-30VDC, 1000mA + AdaptaPlug E <i>Note:</i> Always verify battery safety ³ .	RadioShack	273-1688 & 273-338	\$29.69 \$6.99
Philips 1.5-12V, 300mA w/12 Plugs <i>Note:</i> Always verify battery safety ³ .	eBay.com	PH2061W	\$9.96

Do-It-Yourself DC Adapter Equipment

Kobiconn 2.5mm Submini Cable Assembly <i>Note:</i> Adapter not included. Solder cable assembly to any 9-24V, linear, regulated (or suitable) AC-to-DC adapter. Wire tip as positive.	Mouser.com	172-2133	\$1.94
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International cMoyBB owners: You must locate your own AC/DC adapter. Most 12V adapters are suitable, but JDS Labs cannot offer recommendations because power standards differ greatly around the world. Always verify battery safety³.

¹ Unregulated DC adapters may deliver much higher voltage than expected and cause damage to your cMoyBB, but are otherwise safe to use as long as the measured output voltage is 9-24V DC. Only connect an unregulated DC adapter to your cMoyBB after verifying that it is operating within specification.

² Improper DC adapter usage typically damages the cMoyBB's TLE2426CLP chip. Symptoms of TLE2426 damage vary with volume and equipment, but may include any or all of the following: Loss of audio, clicking, popping, or distorted output. If you have damaged your amplifier, it can be repaired for the cost of return shipping.

³ **WARNING:** The cMoyBB is designed for 2.5x11mm plugs (Width x Length). Longer plugs prevent the battery from disengaging and are therefore UNSAFE. Safety should always be verified by inserting the 2.5mm plug with the AC adapter unplugged: Amplifier should remain OFF with battery connected, headphones inserted, and amplifier switched on. Never allow contacts of the 9V connector to touch the aluminum enclosure. JDS Labs assumes no liability for damages caused by negligence of these warnings.