Rechargeable cMoyBB v2.03R Operating 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 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.

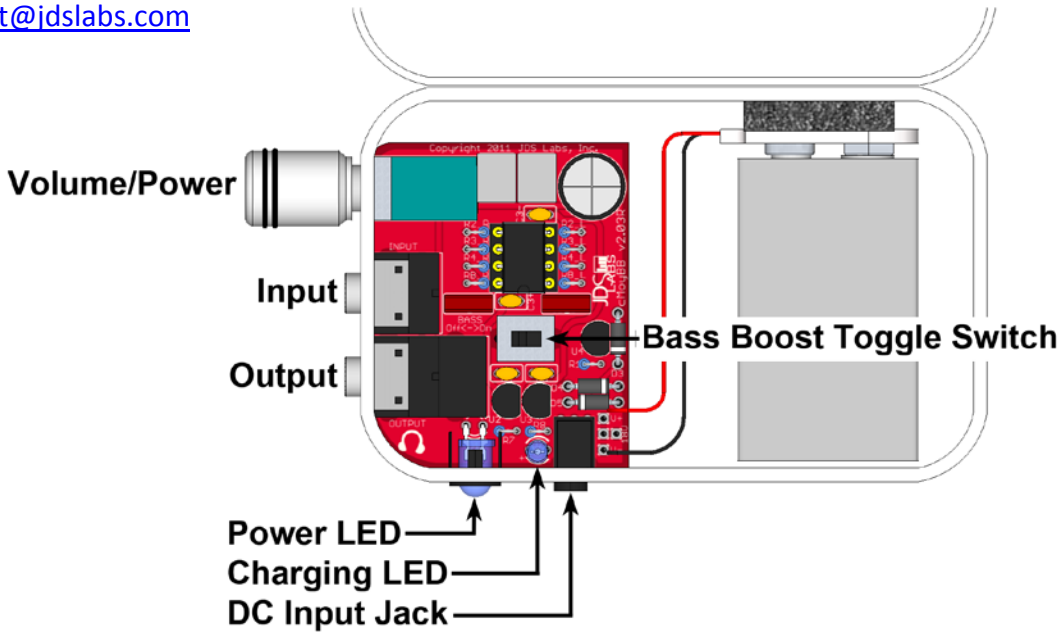
- Dead/weak batteries should be avoided. If sound quality has degraded or distorts at high volumes or with bass boost, try a new battery or an 18V+ DC adapter. High voltage DC adapters can greatly extend the dynamic range of the cMoyBB.

- You should hear *no noise* or whining with your audio player plugged in and paused/muted. Each cMoyBB is hand tested to ensure that it produces an extremely clean signal. If noise is present or audio is significantly distorted at all volumes, try a different cable. New cables can be faulty!

Listening Tips

- ✓ For maximum sound quality, turn your audio player's volume up very high (60-80%) 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.
- ✓ 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



cMoyBB v2.03/2.03R Power Adapter Information

ATTENTION: Improper DC adapters and/or tips can result in battery or capacitor explosions hazards. For safe operation, only use a recommended power adapter and tip[1]. Always verify battery safety. Use other adapters at your own risk.

- Required power adapter characteristics for the cMoyBB **v2.03R**:

Type:	Linear[2], regulated[3]
Voltage (**1x9V**):	10-18V**DC** output
Voltage (**2x9V**):	19-24V**DC** output
Current:	Less than 1000mA output if unregulated
Connector:	1.35 x 3.5mm (ID x OD) w/Negative Sleeve, Positive Tip:

- Never allow power adapter sleeve or 9V connector(s) to touch the enclosure.

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.jdslabs.com/faq for details.

Charging Instructions

1. Connect a power adapter to the **DC Input Jack** to begin charging. Amp can be used simultaneously.
2. Charge time for depleted 200mAh NiMH batteries is **12 hours,** or charge 1hr per 1hr listening. Do not overcharge!
3. Disconnect power cord from amplifier after appropriate time has elapsed. Charging is constant while power cord is connected; internal charging LED does not turn off!

Failure to follow the above guidelines can result in permanent damage[4] to your cMoyBB!

Recommended Power Adapters - North America	Supplier	Part #	Price
1. CUI V-Infinity 12VDC, 500mA with 1.35x3.5mm (For **1x9V**) ***Notes***: Switching, regulated, Energy-Star & UL listed; verified output of 12.25V	JDSLabs.com	JDS Labs #42	$13.99
2. CUI 24VDC, 1000mA (For **2x9V**; requires Slip-On Adapter) ***Notes***: Switching, regulated, Energy-Star & UL listed ** Not verified by JDS Labs **	DigiKey.com JDSLabs.com	T1073-P5P-ND & PSTWX07	$14.70 + $3.95

Recommended Power Adapters - United Kingdom	Supplier	Part #	Price
1. Maplin 12VDC, 1500mA Supply w/6 Tips (For **1x9V**) ***Notes***: Switching, regulated. Set Positive tip. **Not verified by JDS Labs**	Maplin	L47BL	£19.99
2. Maplin 24VDC, 750mA Supply w/6 Tips (For **2x9V**) ***Notes***: Switching, regulated. Set Positive tip. **Not verified by JDS Labs**	Maplin	L50BL	£19.99

[1] **WARNING:** The cMoyBB is designed for 1.3x3.5mm connectors. JDS Labs assumes no liability for damages caused by user negligence.
[2] **Linear adapters** are preferred. Switching adapters can be used but may generate audible ground loop hum when the cMoyBB is off and connected to another AC powered audio source. Some switching adapters can damage the cMoyBB. Use untested adapters at your own risk!
[3] **Unregulated DC adapters** may deliver much higher voltage than expected and cause damage to your cMoyBB, but are safe to use as long as the measured output voltage is between 9 and 24VDC. Only connect an unregulated DC adapter to your cMoyBB after verifying that it is operating within specification.
[4] **Improper DC adapter usage** typically damages the cMoyBB's TLE2426CLP chip(s). 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, please contact us for repair service.