



Cobra ACA-002



4 Channel Headphone Amplifier

The Cobra Acoustic Headphone amplifier has been designed to be reliable, cost effective and built for continuous, trouble-free operation under rigorous use. Cobra Acoustics unique degree of commitment to research, quality-control and testing results in continuous improvement of the product. If you need special assistance beyond the scope of this manual, please contact our technical support department.

Warning

To prevent damage to the product or electric shock do not expose this device or its power supply to rain or moisture.

Before Use

- Before you start using this unit, please check if there's no transportation damage. Should there be any, do not use the device and consult your dealer first.
- Important: This device left our factory in perfect condition and well packaged. It is absolutely necessary for the user to strictly follow the safety instructions and warnings in this user manual. Any damage caused by mishandling is not subject to warranty. The dealer will not accept responsibility for any resulting defects or problems caused by disregarding this user manual.
- Keep this booklet in a safe place for future consultation. If you sell the amplifier, be sure to add this user manual.
- To protect the environment, please try to recycle the packing material as much as possible.

Safety Instructions:

Caution: To reduce the risk of electric shock, do not remove the top cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.

Caution: Remember excessive loud noise can seriously damage long-term hearing, always keep volumes as low as possible.

- To avoid condensation forming inside, allow the unit to adapt to the surrounding temperatures when bringing it into a warm room after transport.
- This unit is for indoor use only.
- Don't place metal objects or spill liquid inside the unit. If a foreign object enters the unit, immediately disconnect the mains power.
- No naked flame sources, such as lighted candles, should be placed on the appliance.
- Keep the unit away from children.
- Inexperienced persons should not operate this device.
- Maximum safe ambient operating temperature is 40 degrees. Don't use this unit at higher ambient temperatures.
- Always unplug the unit when it is not used for a long time or before you start servicing.
- The power supply should always be in perfect condition. Switch the unit immediately off when the power supply cable is squashed or damaged, or there is any damage to the power supply casing.
- In order to prevent electric shock, do not open the cover, there are no user serviceable parts inside.
- In the event of serious operating problems, stop using the appliance and contact your dealer immediately.
- Due to safety reasons it is prohibited to make unauthorized modifications to the unit.
- Always use the power supply that is supplied with the product. If the power supply needs to be replaced always use one with the correct power, voltage and connector.

Description

This is a professional quality 4 output headphone amplifier. A signal source is connected via a left and right RCA (i.e. This can be from a line source such as a CD player) or a 6.35mm stereo jack (i.e. computer sound card or mixer headphone output). All outputs are designed for stereo signals via ¼" TRS jacks. Each output has its own buffer amplifier for ultra-low noise operation. There will be enough signal gain to use this amplifier for almost any headphone. Each output has its own volume control and here is a stereo/mono switch so the user can listen in stereo or mono.

Important Precautions & Instructions

Features

- One left and right RCA input.
- One 1/4" (6.35mm) stereo jack input.
- Stereo Mono Switch.
- Four stereo 1/4" Jack Headphone Outputs.
- Individually Controlled Outputs.
- Powered Via 12 Volt Power Supply (supplied)

Specification

Input Connector Type: 1/4" (6.35mm) stereo Jack and RCA

Input Impedance: 22K Ohm

Max Input Level: +22 dB

Output Impedance: Approx 16 Ohm

Max Gain: 19dB per Channel

Power Supply: 12 Volt DC 500mA

Dimensions: 113 x 76 x 55mm

Weight: 0.39kg



Functions

1. Connection for 12-volt power supply.
2. Stereo mono switch.
3. RCA input Connection
4. 1/4 (6.35mm) Jack socket stereo input connection
5. Stereo headphones outputs. Connection is via a 1/4" TRS jack.
6. Lights Green when there is power to the amplifier.
7. Individual level controls for each headphone output.

Operation

- Connect a stereo signal from a line level device via the RCA connections or 6.35mm stereo socket.
- Connect the required number of headphones to the headphone outputs. Making sure the volume on the source device and on the headphone amplifier are all turned all the way down.
- Decide whether playback should be stereo or mono. Use the switch to select mono or stereo.
- Power up the headphone amplifier with the supplied power supply. Make sure the blue LED lights up.
- Turn the volume slightly up the source device. Then gradually turn up the volumes for each headphone output.
- Remember loud music levels can seriously damage your hearing.
- Adjust all volumes to suit.