

THE GIGRIG.com



ACA-AOK MANUAL

CONTENTS

1. Introduction
2. Instructions
3. Short Circuit & Temperature Protection
4. Input Protection
5. Safety
6. Technical Specifications
7. Warranty

1. INTRODUCTION

The ACA-AOK power supply conditioner is designed for pedals that require a 12V DC input, such as the ACA series of BOSS pedals (e.g., the CE-2 Chorus). While these pedals use a 9V internal battery, the DC input features a diode that drops the voltage to 6.5V when powered with a standard 9V DC supply. This reduced voltage is insufficient for proper operation, meaning your pedal may function, but it won't sound its best. The ACA-AOK virtual battery converts 9V DC to a stable 12V DC, providing up to 100mA of power—plenty for vintage pedals to perform at their peak.

2. INSTRUCTIONS

1. Connecting the Adapter:

Plug the ACA-AOK adapter output directly into your pedal, and connect the standard 9V center-negative power supply to the ACA-AOK input. For optimal performance, we recommend using only the GigRig Generator or Gen-X-14 power supplies. We cannot guarantee the ACA-AOK's performance with any other power supply.

2. Voltage Adjustment:

The ACA-AOK is set to output 12V DC for standard operation, perfect for powering ACA pedals. If you need to drop the output voltage to 9V, simply use a small screwdriver to adjust the control located above the DC output lead. For powering ACA pedals, no adjustment is necessary.

3. Important Note on Voltage Measurement:

To measure the voltage drop, the ACA-AOK must be powering the pedal. If you connect a multimeter to the ACA-AOK terminals and adjust the voltage control without the pedal connected, you will not see any change in voltage. The ACA-AOK must be in-circuit for the voltage reduction to take effect.

4. Temperature and Ventilation:

Do not cover the ACA-AOK during use, as it may overheat and shut down. The ACA-AOK will run warm during normal operation, which is perfectly normal.

3. SHORT CIRCUIT & TEMPRATURE PROTECTION

The ACA-AOK is equipped with an over-temperature protection feature. If the output is short-circuited for more than a few seconds, the built-in temperature sensor will automatically switch off the output to prevent overheating. Once the short-circuit is removed, the ACA-AOK will take a few seconds to cool down before restoring power to the output.

4. INPUT PROTECTION

The ACA-AOK is equipped with polarity input protection. In the event of a reverse voltage (center-positive) being supplied to the input, the ACA-AOK will automatically short the input and shut down the main supply. This built-in protection ensures that the ACA-AOK, as well as any connected pedals, are safeguarded from damage.

5. SAFETY

Important Usage Instructions

- **Indoor Use Only:** The ACA-AOK power conditioner is designed for indoor use. Do not expose it to moisture or allow it to get wet.
- **Guaranteed Compatibility:** We can only guarantee the ACA-AOK DC adapter when used with TheGigRig Generator power supply.
- **Proper Connection:** Ensure that the ACA-AOK is connected to a GigRig distributor, which should be plugged directly into the Generator DC output for optimal performance.

6. TECHNICAL SPECIFICATIONS

Type: DC-DC full isolation.

Overload, short circuit and temperature protected.

Output Connector: 2.1 mm Centre Negative

Output Voltage: 12V DC at 100mA.

Output Current: Max 150mA approx. Temperature trip when left shorted, or covered for long periods.

Output Ground: The DC output is isolated from all earth.

Input Voltage Range: 9 - 12 V DC at 1A

Input is reverse diode protected.

Regulations: Your power supply conditioner conforms to BS EN 60950-2002 safety standard. Low voltage device. Return the unit to TheGigRig Ltd for disposal.

4 WARRANTY

The GigRig warrants the product to be free from defects in material and workmanship for a period of 2 years from the original date of purchase.

If the product fails within the warranty period, The GigRig will repair or, at our discretion, replace the product and cover the cost of return shipping to the original purchaser. This warranty covers defects in manufacturing discovered while using this product as recommended by The GigRig. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters.

Damage caused by any of the above circumstances may result in a non-warranty repair fee. Legal: In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. The GigRig will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product.

In no event will The GigRig be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. The GigRig disclaims any other warranties, express or implied. By using the product, the user accepts all terms herein.

Disposal: TheGigRig contains no batteries or Lead. Return the unit to TheGigRig Ltd for disposal or use standard disposal for electrical equipment recommended in your country. Do not dispose of electrical equipment in household waste!

TheGigRig is protected by copyright, moral rights, patent and design registration.

'GigRig' is a stylized trademark. No 2343300

Any individual or company found copying the functionality, look or feel, circuits, circuit function or software functions for commercial gain will be liable for legal action. Licenses may be granted to non-competing companies.

The GigRig and its Power supply are RoHs compliant.

Tested and compliant to EN 60950 safety standard.

The power supply is approved to all USA and European

Regulations including UL. See separate instructions supplied with the power supply

Manufacturer: The GigRig Ltd, Unit 15 Whitehill Industrial Pk, Royal Wootton Bassett, SN4 7DB

Authorised Representative: EAS - Mustamäe tee 50, 10621 Tallinn, Estonia

Warning: For indoor use only. Keep away from water. Keep away from Children.

