



clearaudio

B0923BFQGB
Smart Power
12V



clearaudio B0923BFQGB Smart Power 12V User Manual

[Home](#) » [clearaudio](#) » clearaudio B0923BFQGB Smart Power 12V User Manual 

Contents

- [1 clearaudio B0923BFQGB Smart Power 12V](#)
- [2 Specifications](#)
- [3 FAQs](#)
- [4 PRODUCT INFORMATION](#)
- [5 Safety instructions](#)
- [6 Contents](#)
- [7 Getting started](#)
- [8 Modes of operation](#)
- [9 Operating information](#)
- [10 Troubleshooting](#)
- [11 Technical Data](#)
- [12 warranty](#)
- [13 CONTACT INFORMATION](#)
- [14 Documents / Resources](#)
 - [14.1 References](#)



clearaudio

clearaudio B0923BFQGB Smart Power 12V



Specifications

- Product Name: Smart Power 12V
- Manufacturer: Clearaudio Electronic GmbH
- Country of Origin: Germany
- Compatibility: Designed for Clear Audio's concept series and Performance DC turntables
- Power Supply: 12V DC

FAQs

Q: Can the Smart Power 12V be used with any turntable?

A: The Smart Power 12V is specifically designed for Clear Audio's concert series and Performance DC turntables.

Q: Is it safe to leave the device unattended under extreme loads?

A: It is recommended not to leave the device unattended under extreme loads to ensure safety.

Q: How should I clean the Smart Power 12V?

A: Use a soft cloth with a smooth surface for cleaning. Avoid using aggressive cleaning detergents.

PRODUCT INFORMATION

Dear Clearaudio customer,

Congratulations! Thank you for choosing the smart power 12V a revolutionary turntable DC power supply made in Germany by Clearaudio. The smart power 12V is a battery-based DC power supply upgrade designed for Clear Audio's concert series and Performance DC turntables. Like the smart power 24V, it provides clean power that is independent of the variability and inherent noise of the main supply. With a minimal output impedance, it delivers a steady, stable voltage, allowing your concept or Performance DC turntable to maintain perfect speed stability. Again, like the 24V version, the smart power 12V can be set to switch automatically from battery play mode into recharging mode and will continue to enhance your turntable's performance and protect it from short circuits and power surges, even while charging. When used with the concept active turntable, the smart power's (12V) benefits are multiplied, since both the turntable's motor and the onboard phono stage are fed with pure, clean DC power. We wish you much musical enjoyment with your new Clearaudio smart power 12V.

Safety instructions

General information

Check the device for visible damage before using it for the first time. If the device is damaged, it should not be connected to the mains. Also, never connect the device if it has been dropped or gotten wet, contact your dealer to have the device inspected. Never expose the device to rain or moisture. Never touch the power cord of the device with wet hands. For your safety, regular visual inspections of any defective insulation on the connection cable are also recommended. A damaged cable should be replaced immediately by a specialist! Never pull on the power cable to unplug the device, but directly on the plug! The inside of the device is maintenance-free, never open the housing or try to repair the device yourself. This can also lead to loss of warranty. If you do not operate the device for a longer period, we recommend disconnecting the power supply from the mains. Not suitable for children! The scope of delivery may contain small parts that can be swallowed.

Intended use

The smart power 12V is a power supply for 12V-based Clearaudio turntables. The intended use of the smart power 12V is in accordance with the information provided in the user manual only. The power supply may only be operated with maximum permissible connection values according to the technical data. Any other use or modification of this product is not intended.

Location of installation

The device should only be set up on leveled surfaces. Avoid locations with direct sunlight, temperature fluctuations, and high humidity. Likewise, avoid placing electronic devices near heaters, heat lamps, or other devices that produce heat. The device is designed for operation in heated rooms. Do not expose the smart power 12V to a temperature above 40° Celsius. Never block the ventilation slots or cover the device with a cloth or similar. No objects with an open flame may be placed on the device (burning candles or similar). To prevent overheating of electronic parts never cover or put anything on top of the smart power 12V.

Overload

The product is designed to comply with all necessary safety regulations, however, you should not leave the device unattended under extreme loads.

Maintenance

Only use a soft cloth with a smooth surface for cleaning. Never use aggressive cleaning detergent.

Health information

Permanently high volume can lead to various types of hearing damage. Use high volume responsibly!

Service

During the guarantee period, the balance reference phono may only be repaired by the manufacturer, otherwise, the warranty will become void. All Clearaudio products should only be serviced by specialist retailers. If despite the high production standard, a repair is necessary, the smart power 12V must be sent to Clearaudio through your dealer.

Transport

Always use the original packaging when transporting the Clearaudio smart power 12V. Be sure to pack the device exactly as it was shipped. Safe transport is only guaranteed in the original packaging. When packing, proceed in reverse as described for assembly.

Disposal

Do not dispose of this product together with other waste. WEEE Reg. No.: DE26004446

CE Marking

This electronic product corresponds to the applicable guidelines for obtaining the CE mark.

Contents

Please check all contents of your package:

1. smart power 12V (with hard-wired power cord, length 160cm)
2. 19V wall mount power supply
3. User manual
4. Warranty card / Quality card

Getting started

The Clearaudio smart power 12V is delivered in custom-designed packaging. Please keep this packaging to ensure safe transportation if needed. Unpack the unit and place it at its desired location. Connect the smart power 12V to the mains power supply with the supplied 19V wall mount power supply. Then connect your turntable to the smart power 12V using the attached power cord, instead of the usual power supply.

Note: Never connect the 19V power supply directly to your concept series turntable.

Serious damage can occur. Before using smart power 12V it is important to fully charge the internal battery to bring it to the optimum operating condition (see page 5, point 3.3, "Charging mode"). To switch the smart power 12V on, use the switch on the rear side of the unit. The smart power 12V is now in the output/off mode, the LED ring of the button on the front will brighten up and vanish after a few seconds. Press the button shortly, to activate the unit and supply the turntable with power.

Modes of operation

Output/off mode

The output/off mode is characterized by:

1. The output is deactivated.
2. The LED ring of the button is off.

Note: In this mode, if the battery is discharged, the unit will start charging the battery automatically.

Battery output mode

The battery output mode is characterized by:

1. The output is activated.
2. The LED ring is constantly on (not flashing).

Charging mode

The activated charging mode can be identified by the blinking LED ring of the button. Please note: The charging mode can be activated in every operation mode. If the unit becomes completely discharged, smart power 12V will automatically switch to charging mode. When in battery mode, a long press (approx. 3 seconds) will manually start the charging or top-up process. The LED ring confirms the activated charging mode by flashing. Depending on the remaining charge of the integrated NiMh batteries, charging time may vary. When the battery is fully charged, the charging mode will switch off automatically. To manually stop the charging process, press (approx. 3 seconds) the button again. The LED ring will shine constantly.

Operating information

- As long as a load is connected to the smart power 12V and the remaining charge level is sufficient for operation of the connected device there will be no charging.
- A reduction of the output voltage of up to 4V between two charging cycles is normal. Crucial for the correct speed of the turntable is a noise-free current and not the absolute value. This is ensured by battery-buffering and a special, linear regulation in the turntable.
- Switching off the unit is done using the power switch on the rear side of the smart power 12V.
- By turning the knob on the back, the light of the LED ring on the front can be dimmed in all operating modes (see Pic.1, red mark)



• **Pic. 1: Rear view**

Troubleshooting

If you have a problem with your smart power 12V, first check the possible causes to rule out incorrect operation. If the error persists, please contact your dealer!

Never try to open the device and/or repair it yourself, this will void the warranty!

Error	Cause	Measure
Device does not work	Is the power cord plugged in and the power switch turned on?	Check the connection.
Device switches off without warning	The device has a safety shutdown due to defective/overheated batteries	Switch the device off and let the batteries cool down. If the error still persists, because of defective batteries, the device must be sent to Clearaudio through your dealer.
Device „clicks“	The batteries are deeply discharged, the clicking noise signals the automatic preparation of the charging mode, which can last up to a few hours.	Allow the device to fully charge before using it again.

Technical Data

- **Battery:** NiMh Battery 12V 5000mAh
- **Power supply:** 100 – 240V AC, 50 – 60Hz, max. 1.6A
- **Output:** 12V DC, max. 1.6A; fused (time delay fuse)
- **Power consumption:** Operation mode: 6.5 – 33 watts (depending on the charge cycle)
- **Off mode:** 0 watts (turned off at rear panel)
- **Total weight:** Approx. 2.2kg
- **Dimensions (W/D/H):** Approx. 4.33 x 13.78 x 1.81 inches
- **Dimensions (W/D/H):** Approx. 110 x 350 x 46mm
- **Manufacturer's warranty:** 2 years* (except batteries)

warranty

Provided that the warranty card is correctly completed and returned to Clearaudio, or your product is registered online at <https://clearaudio.de/en/service/registration.php>, within 14 days of purchase.

The full, extended warranty period for the smart power 12V is 2 years.

To receive this full Clearaudio warranty, you must either complete and return the relevant section of the warranty registration card to Clearaudio, or register your product online at <https://clearaudio.de/en/service/registration.php>, within 14 days of purchase. Otherwise, only the legal warranty can be considered. The full 2-year warranty can only be honored if the product is returned in its original packing.

For warranty information, contact your local Clearaudio distributor.

RETAIN YOUR PURCHASE RECEIPT

Your purchase receipt is your permanent record of a valuable purchase. It should be kept in a safe place to be referred to as necessary for insurance purposes or when corresponding with Clearaudio.

IMPORTANT

When seeking warranty service, it is the responsibility of the consumer to establish proof and date of purchase. Your purchase receipt or invoice is adequate for such proof. FOR U.K. ONLY

CONTACT INFORMATION

- clear audio electronic GmbH
- Spardorfer Straße 150
- 91054 Erlangen

Germany

- Phone /Tel.: +49 9131 40300 100
- Fax: +49 9131 40300 119
- www.clearaudio.de
- www.analogshop.de
- info@clearaudio.de

Handmade in Germany




Clearaudio Electronic accepts no liability for any misprints. Technical specifications are subject to change or improvement without prior notice. Product availability is as long as stock lasts. Copies and reprints of this document, including extracts, require written consent from **Clearaudio Electronic GmbH, Germany**.

Documents / Resources



[clearaudio B0923BFQGB Smart Power 12V](#) [pdf] User Manual
B0923BFQGB Smart Power 12V, B0923BFQGB, Smart Power 12V, Power 12V, 12V

References

-  [clearaudio analogshop](#)
-  [clearaudio electronic GmbH | High End - made in Germany](#)
-  [clearaudio electronic GmbH - 403 Forbidden](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.