AUDIONET

EPS

Enhanced Power Supply

Owner's Manual

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The Audionet-Team would like to congratulate you for purchasing the Audionet EPS! Surely you are a satisfied owner of an Audionet PRE 1, PRE 1 G2, PAM, CAT, MAP, MAP 1 or VIP G2. With the external power supply EPS you have the possibility to give all connected units a more sophisticated fundament.

Please read this manual before first use to make sure that you are able to use all provided functions of your new unit.

In case of occuring questions, please do not hesitate to contact your local Audionet dealer or our factory directly.

Placing and connecting

Please switch off ***all*** your High-End units before continuing.

Place the Enhanced Power Supply EPS right beside or with a minimum distance of 15 cm above your Audionet PRE1, PRE 1 G2, PAM, CAT, MAP, MAP 1 or VIP G2 (=mother unit). Connect the EPS to the mother unit using the provided cable.

Make sure the voltage specifications printed on the rear of the EPS match your actual power voltage.

Connecting PRE 1, PRE 1 G2, PAM or CAT:

Now ***remove the power cord from the mother unit and plug it into the EPS*** instead. The system is now ready to use.

Note: Inserting a second power cord to the PRE1, PRE 1 G2, PAM or CAT is <u>not</u> necessary and can decrease sound quality. Use only one power cord. Due to this there is no power cord provided with the EPS.

Connecting MAP, MAP 1 or VIP G2:

Note: In contrast to the other mother units, when connecting a MAP, MAP 1 or VIP G2 to the EPS ***both units must have inserted a power cord***. For further details please refer to the user's manual of your MAP, MAP 1 or VIP G2.

Operating

Please switch on the EPS at the rear. The position of the mains switch of the mother unit is irrelevant.

Use your PRE1, PRE 1 G2, PAM or CAT as usual. All features are fully functional. The EPS is controlled by the mother unit.

For details about operating your MAP, MAP1 or VIP G2 connected to an EPS please refer to the user's manual of your MAP, MAP 1 or VIP G2.

The three LEDs at the front panel of the EPS indicate the presence of the high precision voltages the EPS supplies. A voltage for running the control circuits of the mother unit is always indicated by the centre LED.

The outer LEDs will both light up when the mother unit switches on the analog voltages.

The EPS contains the immense capacity of 260.000µF. Using the electrical energy stored within these capacitors will run a PRE1 for several seconds. So the LEDs "analog..." will take some time to fade.

Features

Your EPS provides the mother unit with ideal operating conditions. The popular usage of accumulators shows however the following serious disadvantage:

- Output voltage not short term stable: The inner resistance is 10 times as bad as the one of your EPS causing a 10 times higher output voltage ripple at the same load fluctuations.

- Output voltage not long term stable: The output voltage of an accumulator is highly dependent from its state of charge and usage history, typically ranging from 23 to 28 Volts (The EPS always provides 24,00V)

- The usage of accumulators is questionable regarding to environmental concerns.

- Last not least you are able to listen to your music with high-end quality using the EPS whenever *you* like not being forced to wait for accumulators being charged.

Precautions and care

- Prevent children playing with plastic bags!
- Please store and operate this unit in a dry room at reasonable room temperature!
- Avoid moisture or any liquid to get into this unit!
- Do not open the case! No user serviceable parts inside.
- Unauthorised opening voids warranty!
- Do not short-circuit the output terminals!
- Do only use connection cords approved by Audionet!
- Use dry and smooth cloth for cleaning!

Technical Data

Type	low noise, highly stable and constant power supply for Audionet PRE1, PRE 1 G2, PAM, CAT,MAP, MAP 1 or VIP G2
Power supply	two oversized, encapsulated 100VA toroidal transformers and 260.000µF capacity
Circuitry	reference voltage sources for pos. and neg. analog voltages using discrete Audionet voltage regulators (MOS)
Connections	provided 7-pin cord for connecting to mother unit
Output voltage	±24,00V for analog sections, approx. +5V for digital and control sections
Stability	±0,01V at 0,5A
Noise	-144dB or 1,5µV_{RMS} at 0Hz to 22kHz
Service	no serviceable parts, eco-friendly due to no exchange of accumulators
Dimensions	430mm x 70mm x 310mm (WxHxD)
Weight	approx. 9 kg
Finish Front:	brushed aluminum, 10mm (natural or black elox available)
Top:	brushed aluminum, black
Chassis:	steel, black

Specifications are subject to change without notice.

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