

Power Supply Unit 750PSU

User Manual



soulution
nature of sound



Dear client

We are proud that you decided yourself for a soulution phono-preamplifier. You have acquired a phono-preamplifier with outstanding sonic performance which you will enjoy for many years.

We understand your eagerness to get started but even though please study this manual step by step before you integrate the Power Supply Unit 750PSU in your High Fidelity system. This manual contains also useful tips for the optimisation of your overall HiFi-System.

If there are any questions regarding the start-up or operation of your Power Supply Unit 750PSU please do not hesitate to contact your dealer.

Have fun!

A handwritten signature in black ink, appearing to read 'Gallen'.



CE-Declaration of Conformity

Spemot AG declares that this product is in conformance with the following directives and standards:

Low Voltage Directive 2006/95/EG (EN/IEC 60065:2002)

Electromagnetic Compatibility 2004/108/EG (EN 55013:2001, EN 55020:2002, EN 61000-3-2:2006, EN61000-3-3:1995)

FCC-Notice

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- adjust or relocate the receiving antenna
- increase the separation between the equipment and the receiver
- connect the equipment into a mains outlet on a circuit different from that to which the receiver is connected
- consult the dealer or an experienced radio/TV technician for help

Disposal

According to the Directive 2002/96/EG of the European Parliament used consumer-electro technical appliances have to be disposed separately and have to be indicated with the following symbol.



In the case of disposal of this component please do so in conformity with legal and environmental regulations.



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1 Quick start

Unpacking	Unpack the Power Supply Unit 750PSU and store the packing for future transportations. <u>Security advice:</u> Your Power Supply Unit 750PSU has a top class surfaces. Please take care while installing it.
Positioning	Position the Power Supply Unit 750PSU on a stable base. <u>Security advice:</u> Cooling air must be able to circulate and escape unrestricted.
Cabeling	Disconnect all components of your HiFi-system from the mains supply. Connect the DC-input of your Phono-Preamplifier 750/751 with the Power Supply Unit 750PSU. <u>Security advice:</u> The Power Supply Unit 750PSU has to remain turned off while connecting the Phono-Preamplifier 750/751.
Switch on	Set your (pre) amplifier to minimal volume. Switch-on the Power Supply Unit 750PSU, then switch-on the Phono-Preamplifier 750/751. <u>Security advice:</u> Before you switch on the Phono-Preamplifier 750/751 check whether the cabling is done correctly.



2 Important security advices:

User manual:

Read this user manual carefully before you start-up your Power Supply Unit 750PSU and follow all installation and security advices.

Please keep this user manual. In the case this manual gets lost you have the possibility to download it from the soulution-webpage.

Power supply:

Please use the special DC-cable for the connection between the Power Supply Unit 750PSU and the Phono-Preamplifier 750/751.

Cabling:

While manipulating with cables the Power Supply Unit 750PSU has to remain disconnected. Before you (dis)connect the DC-cable the Power Supply Unit 750PSU needs to be switched off. Wrong cabling may cause damages to your Power Supply Unit 750PSU, Phono-Preamplifier 750/751, (pre)amplifier or to your loudspeakers. Excessive volumes due to inappropriate handling may cause hearing damages.

Transport:

Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving cart/apparatus combination to avoid injury or tip over.



Packing:

Please keep the original packing for future transports. The original packing is optimal protection against potential damages.

Operation:

Never run your Power Supply Unit 750PSU

- with opened housing
- with closed cooling-slots
- with high ambient temperatures ($>40^{\circ}\text{C}$)
- close to heat sources like radiators, heatings, ovens or similar appliances dissipating heat
- with extremely high humidity for example in humid cellars or rooms similar humidity
- close to water (Sink, bathtub, or similar equipment) or with any object containing water residing on top of the product

Cleaning:

Use a soft and dry towel. We suggest using a non abrasive micro fibre towel. Please do not use any solvents or liquidities.

Service:

Do not try to repair your Power Supply Unit 750PSU by yourself. It needs a service check by a qualified person in the following cases:

- the mains-cable or the mains connectors are damaged
- foreign substances or liquidity has entered the Power Supply Unit 750PSU
- the Power Supply Unit 750PSU has seen rain
- the Power Supply Unit 750PSU seems to malfunction
- the Power Supply Unit 750PSU has fallen to the floor or the housing is damaged

Serial-Nr.: 750PSU –



3 Technical Highlights

3.1 Layout

The power supplies for the analogue and the digital circuits are strictly separated. Additional filter networks reduce mutual interferences between the analogue and the digital sections for the phono preamplifier 750/751.

3.2 Power supply

The power supply unit has three separate power supplies on board. One power supply is dedicated to the analogue section of the phono preamplifier 750/751 exclusively another power supply takes care of the relais and the controller unit. In standby operation still another power supply is used.

The power supply for the analogue sections guarantees optimal condition for the operation of the phono preamplifier 750/751. It has the following features:

- Extremely stable on irrespective of the load with a maximal deviation for the +/- 15V supply voltage of 5mV (load regulation).
- Lowest influence to changes in the mains supply voltage (line regulation)
- Nearly not measurable noise of the supply voltage ($AC < 2\mu V_{RMS}$)
- High current supply for short load changes of max 12A.

A multi stage filter network protects the audio circuits from potential interferences with noise present in the mains.



4 Start of operation and handling of the Power Supply Unit 750PSU

Please take care while installing the Power Supply Unit 750PSU. Follow all security advices!

4.1 Scope of delivery and packing

Please check the scope of delivery:

- Power Supply Unit 750PSU
- Mains cable
- User manual
- Cotton gloves

Please store the packing of the Power Supply Unit 750PSU for future transports. Check your Power Supply Unit 750PSU for transport damages. In the case your Power Supply Unit 750PSU is damaged please contact your solution dealer.

Security advice: If your Power Supply Unit 750PSU is still very cold from the transport, please let it warm within the packing, in order to omit condensation of water inside your Power Supply Unit 750PSU.

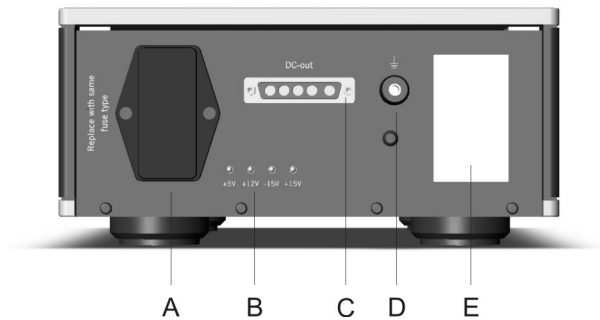
4.2 Optimal positioning of your Power Supply Unit 750PSU

There are no limitations on where to position your Power Supply Unit 750PSU.

Security advice: The Power Supply Unit 750PSU has a high quality surface. Please be careful so that the surface does not get scratched. Please use the enclosed cotton gloves.



4.3 Rear panel of the Power Supply Unit 750PSU



Rear panel of the Power Supply Unit 750PSU

4.3.1 Mains (A)

Connect the Power Supply Unit 750PSU with the Phono-preamplifier 750/751. Use the special DC-cable.

The Phono-Preamplifier 750/751 will change to the operating mode OFF (Standby, red LED on front panel) after switch-on of the Power Supply Unit 750PSU.

Security advice: Switch-off the Power Supply Unit 750PSU before you (dis)connect the DC-cable. The high current contacts could get destroyed otherwise.

4.3.2 Label (F)

Please note the serial number of your Power Supply Unit 750PSU on page 7 of this user manual. This allows you to have the product specific data at hand without removing your Power Supply Unit 750PSU from the HiFi rack.



5 Protection functions of Power Supply Unit 750PSU

The mains voltage is permanently monitored. For too high mains supply voltage the power supply unit gets shut down.

6 Trouble shooting

Error	Action
No music	Please check - If the Phono-Preamplifier 750/751 is switched on. - If the Power Supply Unit 750PSU is switched-on - If the correct input has been selected - If MUTE is activated - If the preamplifier is switched-on or in mute - If the power amplifier is switched-on. - The cabling to the cartridge and the preamplifier; from the preamplifier to the power amplifier; from power amplifier to the loudspeaker and the LINK-System if connected.

6.1 Actions after appearance of an error

If you can not identify the error please disconnect the power supply (before you disconnect the Power Supply Unit 750PSU has to be in operating condition OFF) and contact your solution dealer.



7 Care and maintenance

7.1 Burn-in

The Power Supply Unit 750PSU will play on top level immediately after the first placing into operation. However during the first 50-100 hours of operation you will notice a further improvement of its sonic qualities.

7.2 Cleaning

Please use a soft towel for the cleaning of your Power Supply Unit 750PSU. We recommend the use of a nonabrasive micro fibre towel. Please do not employ any solvents.

Security advice: Liquidity is not allowed to enter the Power Supply Unit 750PSU. The electronic may be damaged seriously.

8 Service

If your soulution preamplifier needs service please contact your soulution dealer. For further information see www.soulution-audio.com

9 Specification

Specification	Data
General	
Power consumption (OFF, standby)	< 0.5 W
Power consumption (ON)	32 W
Dimensions	
Dimensions (WxDxH)	480x450x117 mm
Weight	ca. 17kg

Technical specifications are subject to change without prior notification.



10 Warranty

All solution products are guaranteed against defects in material and workmanship for five years from date of purchase.

The guarantee is void if the Power Supply Unit 750PSU has been subject to misuse or negligence or has been modified, repaired or opened by a non authorised person without written authorisation of Spemot AG.

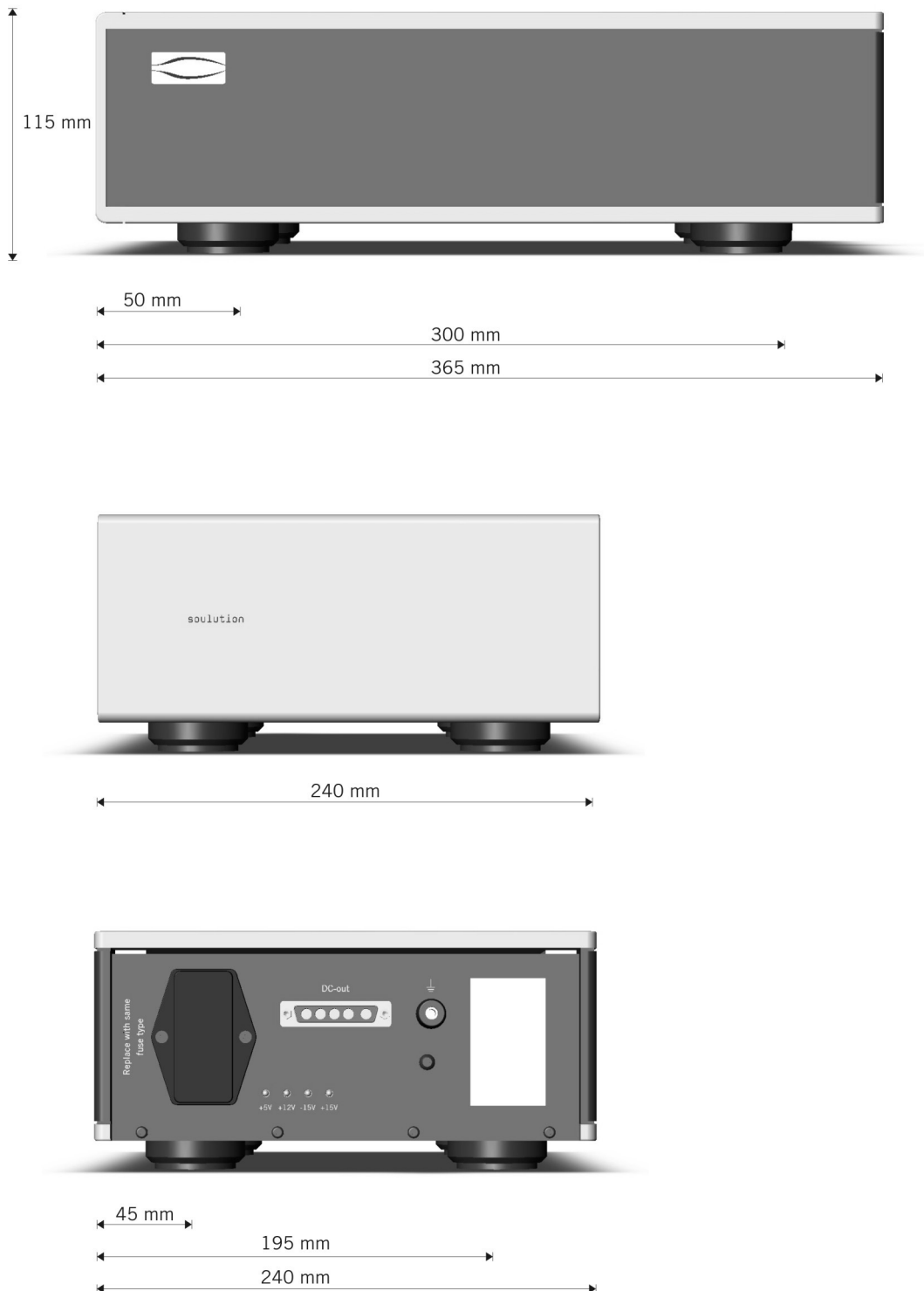
For the return transport to our premises please use exclusively the original packaging. Transport damages are not subject to this guarantee, repairs will be charged. We recommend effecting transport insurance.

If you not posses the original packaging no more please contact your solution dealer.

Basic repairs may be completed by your solution dealer. Please clarify whether he is able to do the work before you send the Power Supply Unit 750PSU back to us.



11 Dimensions



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part.no. 92140