



# GOLD NOTE PSU-10 Super Inductive and Chokes Power Supply User Manual

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**GOLD NOTE PSU-10 Super Inductive and Chokes Power Supply**



Thank you for purchasing one of our units and welcome into the Gold Note world, where we turn High-End audio and music into a new experience.  
Maurizio Aterini, founder of Gold Note

## **IMPORTANT SAFETY INFORMATION**

### **PLEASE NOTE**

1. Do not disassemble any part of the product.
2. Do not use any part of the product for other purposes.
3. For service and problems of any kind, contact qualified Gold Note personnel.
4. Protect the product from rain, humidity and keep away from heat sources, electric and electronic motors etc.  
The power cord supplied must be used only on this unit.
5. Gold Note does not have responsibility for any improper use of this unit.

### **GENERIC INFORMATION**

- Read these instructions and store them.
- Heed all warnings.
- Follow the instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block the ventilation openings and install in accordance with the manufacturer's instructions.
- Do not install near heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Do not defeat the safety purpose of the polarised or grounding-type plug: a polarised plug has two blades with one wider than the other.
- A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety.

If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet. or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

- Only use attachments/accessories specified by the manufacturer.
- 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 the cart/apparatus combination to avoid injury from tip-over.
- Unplug this apparatus during lightning storms or when unused for long periods of time. Refer all servicing to qualified service personnel only. Servicing is required when the apparatus has been damaged in any way (such as when the power cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture) and in any case when the apparatus does not operate normally or has been dropped.

This appliance has a serial number located on the rear panel.

Please record the model and serial number and retain them for your records.

### **CAUTION!**

To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer only to qualified Gold Note service personnel for service.

### **WARNING!**

To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

**GOLD NOTE** – Information on the correct management of waste from household Equipment pursuant to the European Directive 2012/19/EU

The crossed-out wheellie bin symbol shown on the equipment or its packaging indicates that the product, at the end of its useful life, must be collected separately from other waste to allow its proper treatment and recycling.

The user must therefore deliver, free of charge, the end-of-life equipment to the centres for the separate collection of waste electrical and electronic equipment, or return it to the dealer in accordance with the procedures established by the legislation.

The appropriate separate collection of discarded equipment allows for proper recycling, treatment and environmentally compatible disposal, helping to avoid the possible dispersion of hazardous substances and negative effects on the environment and health, favouring the reuse and/or recycling of the materials of which the equipment is composed of. Illegal dumping of the product by the user involves the application of administrative sanction provided for by the legislation in force. We invite you consult the current legislation and the measures adopted by the public service operating in your country or territory.

## **PACKAGE CONTENT**

- PSU-10/EVO X 1
- POWER CABLE X 1
- PSU-10 CABLE X 1
- USER MANUAL X 1

## **INTRODUCTION AND FEATURES**

### **PSU-10 (FOR THE PH-10)**

- The PSU-10 is a super inductive and chokes power supply designed exclusively for the PH-10 phono stage.

- The PSU-10 has been engineered with the best quality audio-grade components to enhance the performance of the PH-10 and improve even further your system: with the dedicated external power supply you will get the very best music experience out of your LPs.
- For the PSU-10 we have chosen a dual choke design powered by a double inductor driving the negative and positive high current stages and featuring an inductive filter on the analogue stage.
- The PSU-10 delivers pure high-quality power using 4 transformers 3 of which are dedicated exclusively to the pure power supply and with 1 separated transformer dedicated to the inductive filter and the two chokes.
- The Gold Note proprietary Dual Chokes Design perfectly filters the signal voltages to eliminate all the possible electrical pollution coming from the AC power system.
- The PSU-10 uses its massive power supply to shield the PH-10 phono stage from electro-magnetic interferences thus insulating it effectively from the AC power system.
- The ultra-clean power improves the soundstage achieving better dynamics and finer resolution of details for unmatched audio performance and listening pleasure.

### **PSU-10 EVO (FOR THE DS-10)**

- The PSU-10 EVO is an inductive power supply designed and developed with high-quality audio components to enhance the performance of the DS-10 and the DS-10 PLUS.
- The PSU-10 EVO comes in compact dimensions but delivers a great amount of power to bring you to a new level of musical pleasure and leverages unique features, including:
- The Dual Choke Hybrid technology inductive filter
- A 4-transformer design with three transformers dedicated to the power supply
- The ultra-low-noise linear voltage regulators

PSU-10 EVO guarantees clean energy to optimally power your DS-10, creating the ideal environment for the DS-10 to perform to the best.

Adding the PSU-10 EVO to your system will increase the level of detail and realism of your music, achieving better dynamics, finer resolution of details and more controlled power.

### **PLEASE NOTE**

The PSU-10 EVO is not compatible with the PH-10 Phono Stage.

## **TECHNICAL SPECIFICATIONS**

### **PSU-10**

- 4 rail audio grade power supply
- 4 ultra low noise voltage regulator
- Maximum variation of output voltage: 0,05%
- Line noise rejection: 80dB
- Common mode noise rejection: 80dB
- Full power response: <2,5μsec

### **POWER**

- Power supply: 100-120V/220-240V with auto sense, 50/60Hz

- Power consumption: 25W
- Dynamic power: >50W
- Standby power: <1W
- Fuse 0,5A T

## **DIMENSIONS AND WEIGHT**

- **Dimensions:**  
200W | 80H | 260D mm  
290W | 180H | 390D mm – boxed
- **Weight:**  
Kg. 3  
Kg. 4 – boxed

## **PSU-10 EVO**

- 4 rail audio grade power supply
- 2 ultra low noise voltage regulator
- Maximum variation of output voltage: 0,05%
- Line noise rejection: 80dB
- Common mode noise rejection: 80dB
- Full power response: <2,5µsec

## **POWER**

- Power supply:  
100-120V/220-240V with auto sense, 50/60Hz
- Power consumption:  
70W
- Dynamic power:  
>100W
- Standby power:  
<1W
- Fuse  
0,5A T

## **DIMENSIONS AND WEIGHT**

- **Dimensions:**  
200W | 80H | 260D mm  
290W | 180H | 390D mm – boxed
- **Weight:**  
Kg. 4  
Kg. 5 – boxed

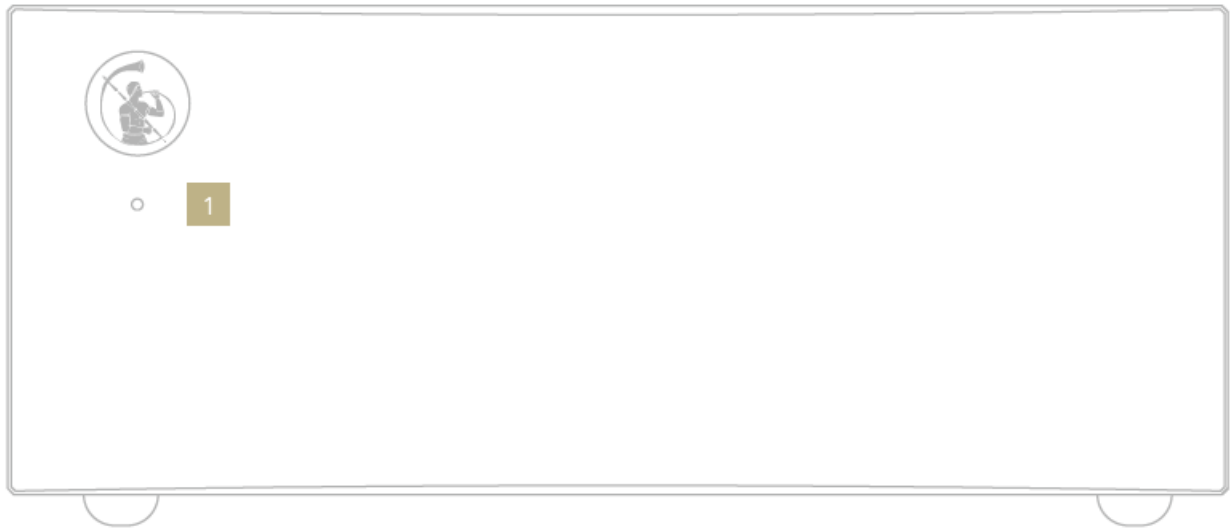
## FRONT PANEL

### FRONT PANEL OVERVIEW

The status LED is ON when the PSU-10/PSU-10 EVO is connected to AC power and the MASTER SWITCH is ON.

#### 1. LED status light

Blue = ON/Stand-By

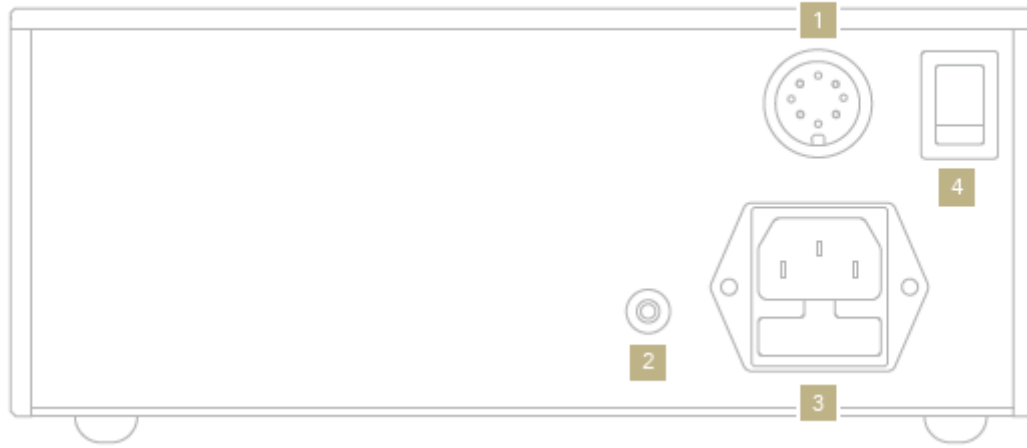


## REAR PANEL

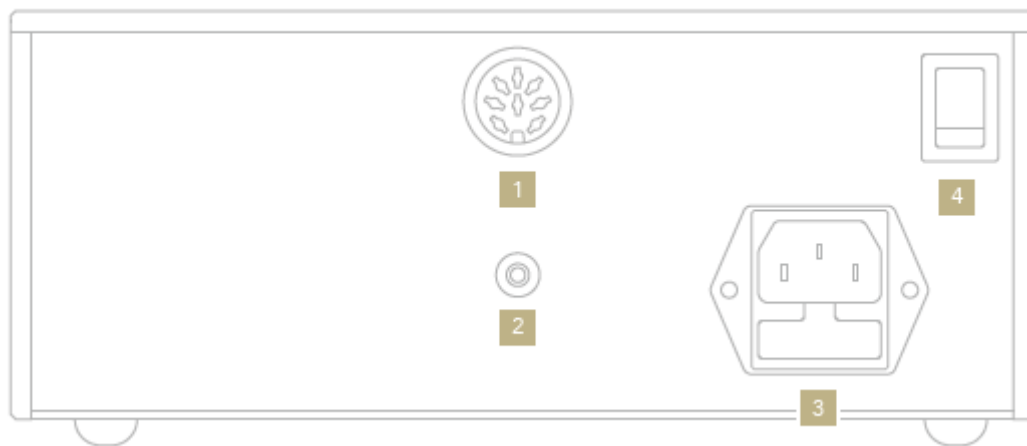
### REAR PANEL OVERVIEW

#### PSU-10 and PSU-10 EVO

**PSU-10**



**PSU-10 EVO**

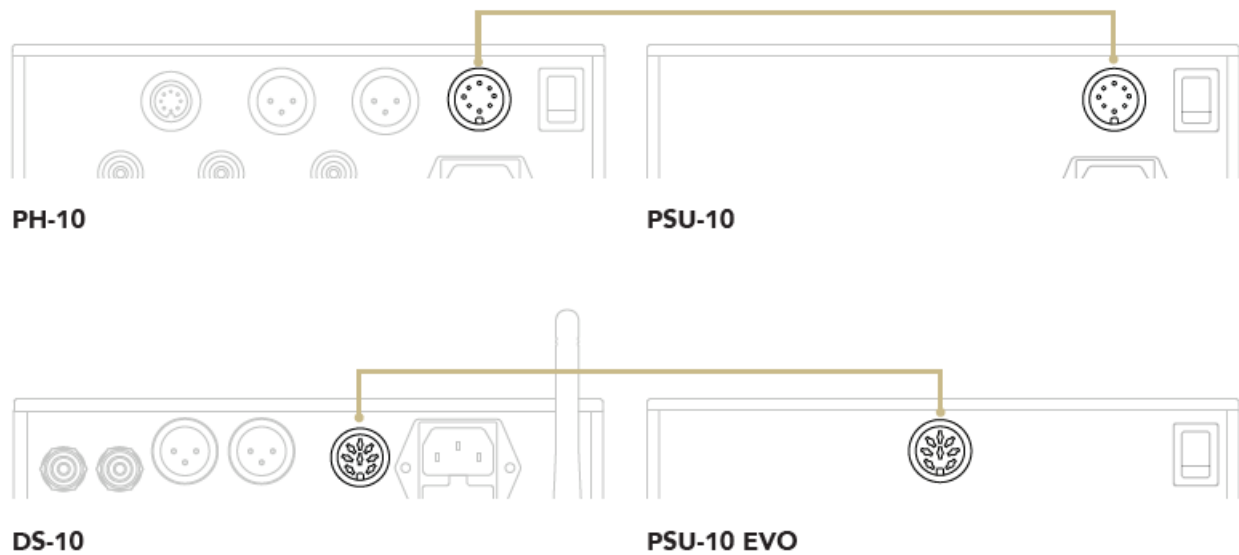


1. PSU Out
2. GND signal ground
3. AC Plug
4. Master switch ON/OFF

## **QUICK START**

Installing the PSU-10/PSU-10 EVO is simple and takes only a few quick steps:

1. Turn OFF or disconnect the master unit and remove the power cord.
2. Connect the external PSU to the power outlet using the supplied power cord.
3. Connect the external PSU to the master unit using the supplied cable (from PSU OUT to the PSU port on master unit).
4. Turn on the MASTER SWITCH on the rear panel of the external PSU



## HOW TO POSITION PSU-10 & PSU-10 EVO

To achieve the best performance don't place the external PSU on top of the PH-10/DS-10 but on the left side. Avoid placing the external PSU too close to the PH-10/DS-10 if possible.



## GND SIGNAL GROUND

Every system operates in unique conditions due to the electrical interaction between different products and the electrical wiring and the GND connector on the PSU-10/PSU-10 EVO allows you to try different configurations, including connecting it to the GND of the PH-10/DS-10, to mitigate EMI (Electro Magnetic Interference) and RFI (Radio-Frequency Interference) in order to ensure your system performs at the best.

## MASTER-SLAVE MODE

PSU-10 & PSU-10 EVO are designed to work in "Master-Slave Mode" with other Gold Note units. When you turn ON or put in standby the master unit (such as DS-10 or PH-10) the PSU-10 or PSU-10 EVO will do the same so that you don't have to control every unit manually. To turn completely OFF the PSU-10 or PSU-10 EVO, follow these steps:

1. Turn OFF the MASTER SWITCH of the master unit (such as DS-10 or PH-10).
2. Turn OFF the MASTER SWITCH of PSU-10 or PSU-10 EVO.

## ATTENTION

When the master switch of PSU-10 and PSU- 10 EVO is ON/Stand-By, the status LED is Blue.

## PRODUCT REGISTRATION



## PRODUCT REGISTRATION

We recommend to register the unit on our internet website within 15 days from the purchase at

[www.goldnote.it/product-registration](http://www.goldnote.it/product-registration)

If the unit is not registered correctly or has been purchased from a different country of the purchaser home address the unit will not be covered by any warranty and the registration will be refused.

Please note that the warranty does not cover in any case: Tubes, Phono Cartridge Stylus and Batteries.

[www.goldnote.it/product-registration](http://www.goldnote.it/product-registration)

## WARRANTY

All Gold Note products come with a warranty against defective materials and workmanship.

Any service and inspection must be carried out by a Gold Note dealer or distributor so in case you need any assistance with this product, please contact the seller.

## PLEASE NOTE

Descriptions and technical characteristics may vary at any time and without notice.

## WARNING

Gold Note products should only be opened, serviced and inspected by certified Gold Note technicians and dealers. Work performed by unqualified personnel may cause serious damage or personal injury. Opening of the product by non-authorised personnel will void the guarantee.

In this case, contact your dealer to be advised on how the fault can be solved.

Do not return any object directly to the factory or to the distributor without being authorised to do so.

Discover more on our website [www.goldnote.it](http://www.goldnote.it)

## TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The LED on the front panel is OFF.	The POWER CORD is damaged or not plugged in.	Ensure that the POWER CORD is not damaged and connect it properly to the power outlet and the AC plug on PSU-10/PSU-10 EVO.
	The MASTER SWITCH is OFF.	Turn ON the MASTER SWITCH on the rear panel of PSU-10/PSU-10 EVO.
The PH-10 is not showing the icon that indicates the PSU-10 is connected.  The DS-10 LED does not light up when powered by the PSU-10 EVO.	The PSU CONNECTION CABLE is not connected properly.	Ensure that the PSU CONNECTION CABLE is not damaged and connect it properly to the PSU OUT port on the PSU-10/PSU-10 EVO and to the PSU port on the master unit.
The system is noisy.	The PSU-10/PSU-10 EVO is not correctly placed.	Ensure that the PSU-10/PSU-10 EVO is placed to the LEFT HAND SIDE of the master unit and possibly at some distance.

## CLEANING THE UNIT

With EXTREME care use ONLY water or detergents for delicate surfaces with a very soft cloth to sweep dust and

remove stains.

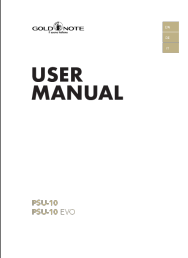
Any acid or not extremely soft cloth will irreversibly damage the unit fine aesthetic. Do not use alcohol.

Designed and handmade in Firenze, Italy

[www.goldnote.it](http://www.goldnote.it)

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## Documents / Resources

	<a href="#">GOLD NOTE PSU-10 Super Inductive and Chokes Power Supply</a> [pdf] User Manual PSU-10, PSU-10 EVO, PSU-10 Super Inductive and Chokes Power Supply, Super Inductive and Chokes Power Supply
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## References

-  [Gold Note | Il Suono Italiano](#)
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-  [Gold Note | Product registration](#)
-  [Gold Note | Produktregistrierung](#)
-  [Gold Note | Registrazione prodotto](#)