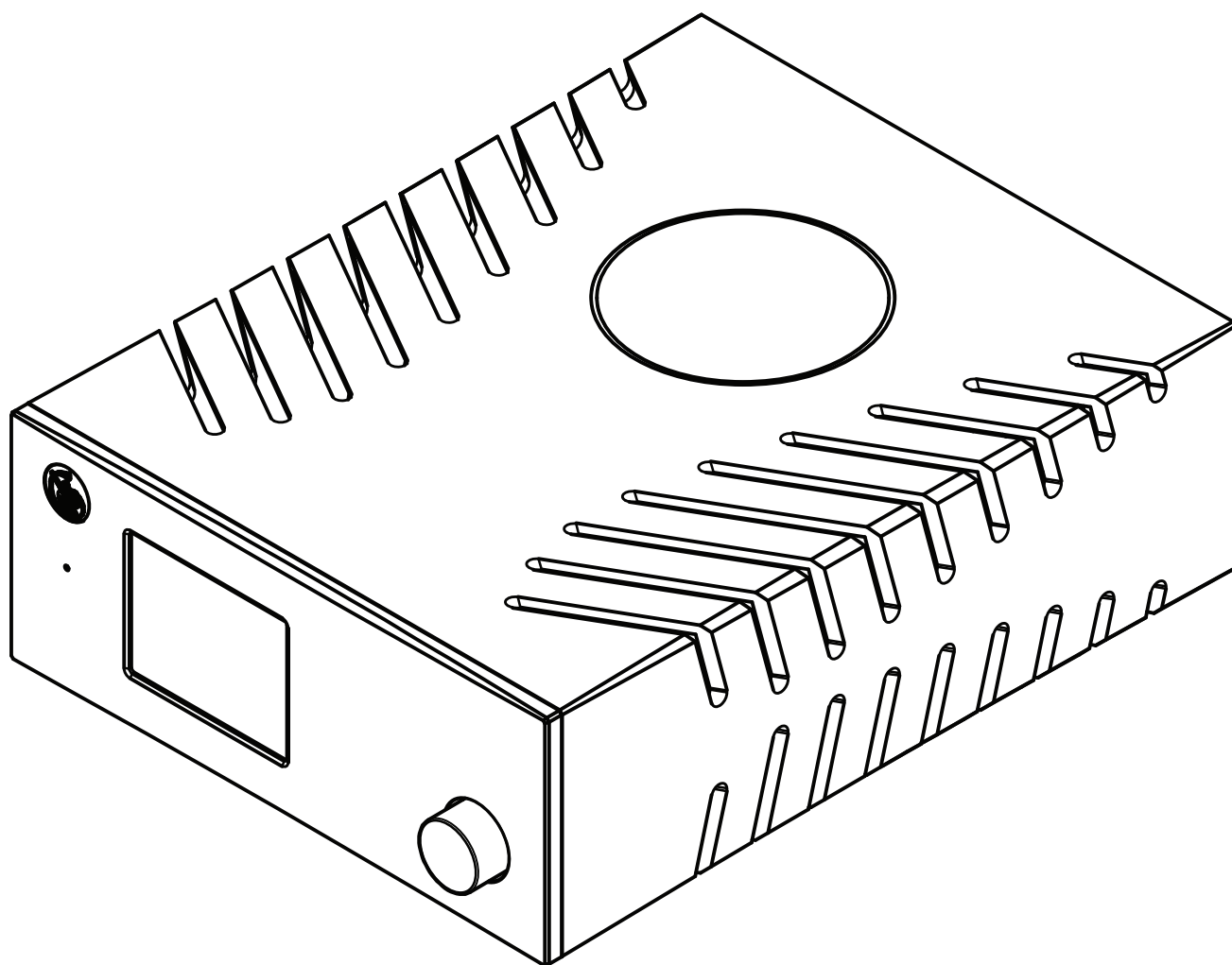


GOLD NOTE

The Renaissance of Technology.



PH-10

THE MOST INNOVATIVE PHONO PRE-AMPLIFIER

IMPORTANT SAFETY INFORMATION



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING**
**TO PREVENT FIRE OR SHOCK HAZARD,
DO NOT EXPOSE THIS APPLIANCE TO RAIN
OR MOISTURE**

Do not disassemble any part of the product.

Do not use any part of the product for other purposes.

For service and problems of any kind, contact qualified Gold Note personnel.

Protect the product from rain and humidity and keep away from heat sources, electric and electronic motors etc.

The power Chord supplied must be used only on this unit.

Gold Note does not have responsibility for any improper use of this unit

This appliance has a serial number located on the rear panel.
Please record the model and serial numbee and retain them for
your records.

Serial Number: _____ Model: _____

IMPORTANT SAFETY INFORMATION

- 1** Read these instructions.
 - 2** Keep these instructions.
 - 3** Heed all warnings.
 - 4** Follow all instructions.
 - 5** Do not use this apparatus near to any water.
 - 6** Clean only with dry cloth.
 - 7** Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
 - 8** Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
 - 9** Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized 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.
 - 10** Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
 - 11** Only use attachments/accessories specified by the manufacturer.
 - 12** 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.
 - 13** Unplug this apparatus during lightning storms or when unused for long periods of time.
 - 14** Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply 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, does not operate normally, or has been dropped.
- Do not expose this apparatus to drips or splashes.
 - Do not place any objects filled with liquids, such as vases, on the apparatus.
 - Do not install this apparatus in a confined space such as a book case or similar unit.
 - The apparatus draws nominal non-operating power from the AC outlet with its POWER or STANDBY/ON switch not in the ON position.
 - The apparatus should be located close enough to the AC outlet so that you can easily grasp the power cord plug at any time.
 - The main plug is used as the disconnect device, the disconnect device shall remain readily operable.
 - If the product uses batteries (including a battery pack or installed batteries), they should not be exposed to sunshine, fire or excessive heat.
 - Caution should be taken when using earphones or headphones with the product because excessive sound pressure (volume) from earphones or headphones can cause hearing loss.

INTRODUCTION & SPECIFICATIONS

THE MOST INNOVATIVE PHONO STAGE AVAILABLE TODAY

THE NEW PH-10 ISN'T ANY ORDINARY PHONO PRE-AMPLIFIER AND YOU CAN TELL

Engineered to allow ultra precise adjustments and let you enjoy the best out of your system and with two separate RCA inputs you will be able to connect independently two different tonearms and tune it to match each cartridge specs.

Once the tonearm is connected, PH-10 can be adjusted with 4 different GAIN levels [-3dB, 0dB, +3dB, 6dB] to match precisely the output level of any MM or MC cartridge the perfect setup is guaranteed with 9 different load options:
10Ω, 22Ω, 47Ω, 100Ω, 220Ω, 470Ω, 1000Ω, 22KΩ, 47KΩ

INTRODUCING A NEW AMAZING FEATURE

Select between 3 equalization curves and experience outstanding performances.

You will finally be able to switch from the internationally recognized RIAA curve, to the DECCA-LONDON or the AMERICAN-COLUMBIA curve, always graphically shown on the front display.

And there's more, because you will also be able to “enhance” each curve with a modern Gold Note proprietary design for superior dynamic and powerful results.

AUDIOPHILE WITH STYLE

Built from a solid block of machined aluminium and designed to elegantly cool the sophisticated electronics.

PH-10 shows every detail on its 2,8” display and everything is powered by Gold Note proprietary SKC - Single Knob Control technology – an intuitive control system developed to easily browse and select all the unit's functions PH-10 comes with a USB port to quickly update the unit via computer anytime new software is available.

The unit can be externally powered by a dedicated inductive dual-mono power supply to enhance even more the audio performance.

ADVANCED FEATURES

TWO SEPARATE TONEARMS

With two separate RCA inputs you can connect two different tonearms and adjust settings independently for each single cartridge.

SELECT THE GAIN STAGE

PH-10 offers 4 different selectable GAIN levels -3dB, 0dB, +3dB, 6dB to precisely match any kind of output level for MM and MC cartridges.

9 INTERNAL LOAD OPTIONS

Perfect matching is easy and quick to achieve with 9 different load options 10Ω, 22Ω, 47Ω, 100Ω, 220Ω, 470Ω, 1000Ω, 22KΩ, 47KΩ.

3 EQUALIZATION CURVES TO ENHANCE

Select the record modulation between the internationally recognized RIAA, DECCA-LONDON or AMERICAN-COLUMBIA curves, and then “enhance” it with our cutting-edge proprietary technology to achieve the best vinyl experience.

TFT DISPLAY & SKC - SINGLE KNOB CONTROL

SKC is a unique technology that paired with TFT display allows quick control of the unit's functions through the single knob. The display shows every information and lets you rapidly select and modify the settings.

MODULAR DESIGN

Gold Note modular design allows upgrades with external units, including:

External Inductive Power Supply, Curve Equalizer Extender, Class-A Tube Output Stage and Gain Stage Enhancer.

ELEGANTLY FUNCTIONAL

Made of solid aluminium and fully machined, the shell body guarantees low frequency resonance, feedback vibrational control and low magnetic inertial field.

TECHNICAL INFO AND UPGRADES

MAIN DETAILS

Phono Pre-amplifier with SKC and TFT colour display
Equalization Curve control: 3 selectable curves
[RIAA - Decca-London - American-Columbia + enhanced]

Frequency response: 2Hz – 200KHz @ +/- 0.3dB
THD (Total Harmonic Distortion): <0.002% MAX
Signal to noise ratio: -102dB
Dynamic response: 122dB
Output impedance: 500Ω
Phase response: linear phase, absolute phase inverted
Weight: 4Kg
Dimensions: 220mm L | 80mm H | 260mm D

POWER

Main supply: 100V to 245V ~ 50/60Hz (depending on market destination, not convertible)
Power consumption: 30W super linear power supply

AUDIO OUTPUTS

Line output level (fixed): stereo RCA @ 2Volt and balanced XLR @ 4Volt

AUDIO INPUTS

Analogue inputs: 2 separate independent stereo RCA
Input sensitivity: 0.1mV MC up to 7.0mV MM
Input impedance: 9 selectable options [10Ω 22Ω 47Ω 100Ω 220Ω 470Ω 1000Ω 22KΩ 47KΩ]
Gain: 65dB MC - 45dB MM with 4 options [-3dB 0dB +3dB +6dB]

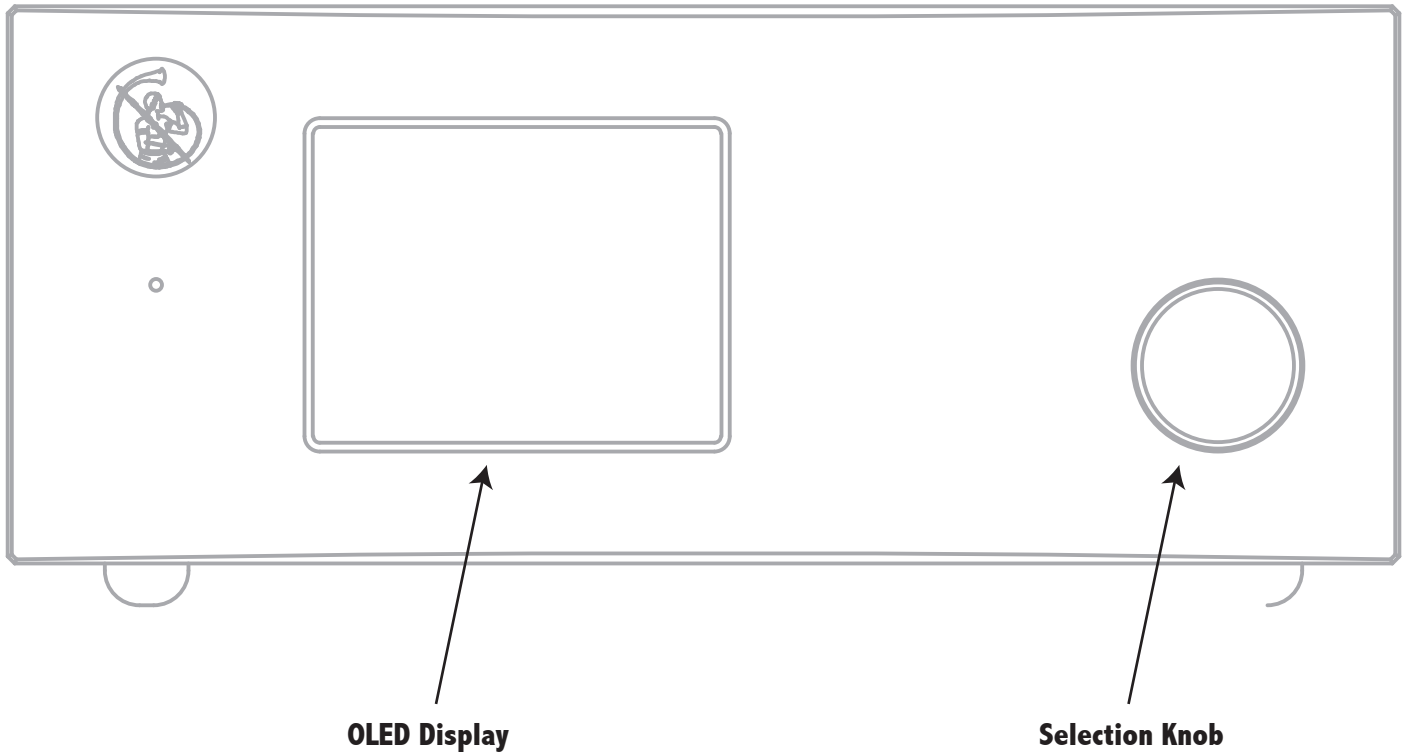
UPGRADES

External Class-A tube output stage
Dual-Mono External Inductive Power
Curve Equalizer Extender unit
Class-A Tube Output Stage
Gain Stage Enhancer
External AC filter: Gold Note Lucca AC distributor
Gold Note Lucca Power Cord
FINISHES

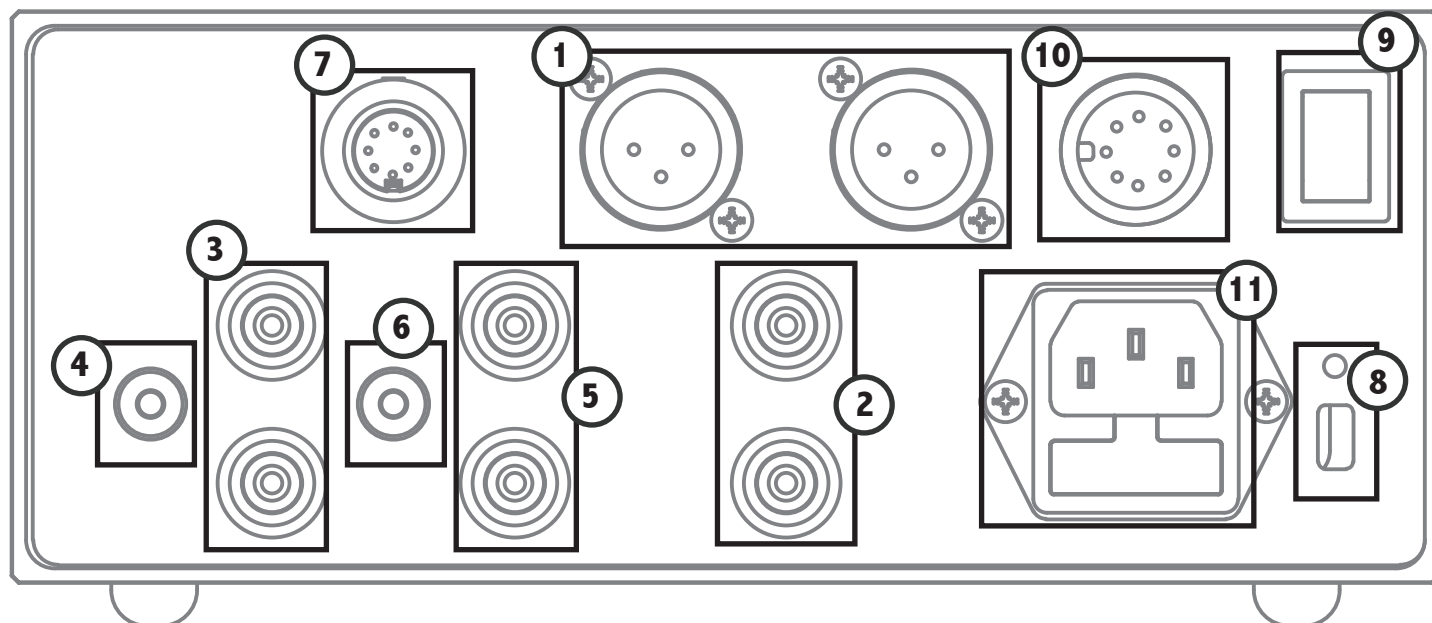
FRONT PANEL & CASE

brushed anodized aluminium available in Black or Silver

PREAMP FRONT PANEL



PREAMP REAR PANEL



ANALOGUE AUDIO OUT

- 1** - XLR Balanced **Left-Right**
Analogue Audio **OUT**
- 2** - RCA Unbalanced **Left-Right**
Analogue Audio **OUT**

OTHER CONNECTION:

- 7** - External Optional GN Port
- 8** - service only

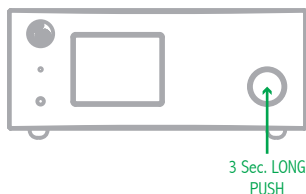
PHONO IN:

- 3** - MM & MC Phono **IN 1 Left-Right**
- 4** - Phono **IN 1 GND**
- 5** - MM & MC Phono **IN 2 Left-Right**
- 6** - Phono **IN 2 GND**

POWER:

- 9** - Master Switch
- 10** - PSU IN
- 11** - AC Input

FUNCTIONALITY EXAMPLE



Turning PH-10 ON/OFF:

to turn ON/OFF the device, press the knob for 3 seconds.



Step 1 - Select a function:

To select a function, turn the knob left or right until the desired function is highlighted in white (see fig. 1).

Step 2 - Modify a function:

To modify a function, press the knob once and the active selection will become highlighted in red (see fig. 2).

To set a value, turn the knob left or right until the desired value is shown and press again the knob to confirm it.

Now the new value is stored in the device and you can proceed to select another function.

NOTICE:

Every change will affect the device - and the sound system - only after the choice is applied (that happens after the second push on the knob as the highlight turns white again).

Fig. 1

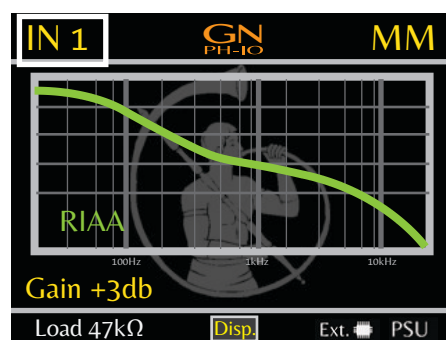
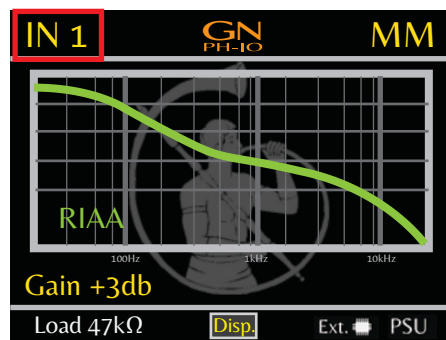


Fig. 2



DISPLAY FUNCTION VALUE

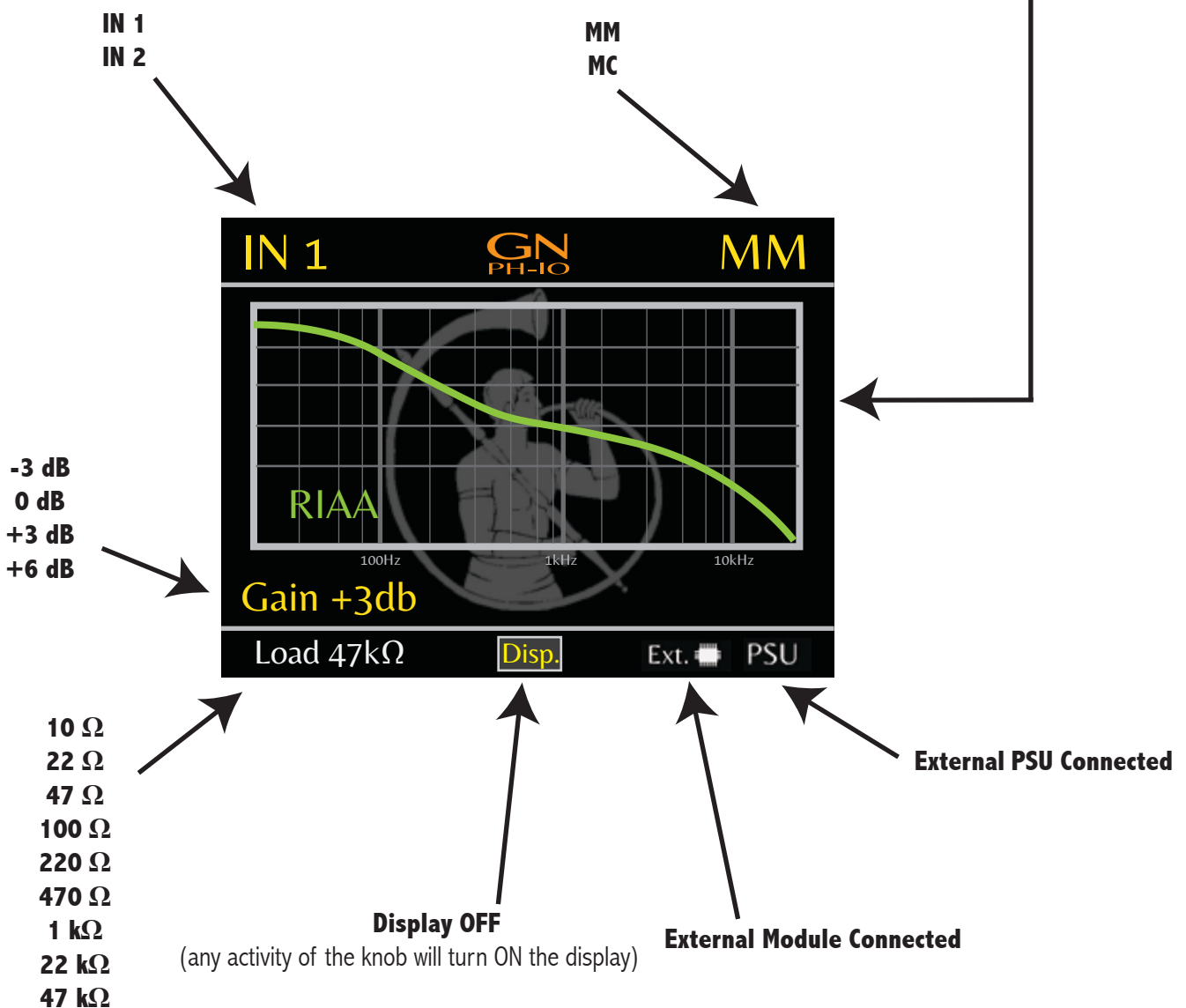
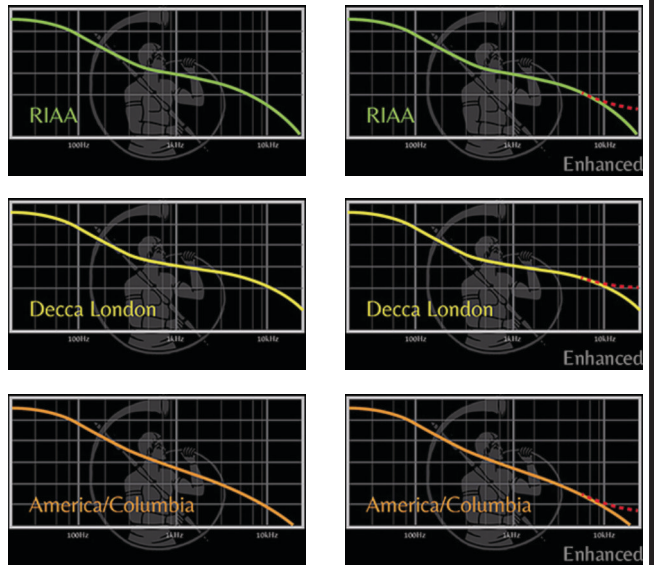
Since vinyl records were created by different labels that developed and used their own way to record and print records, today different equalization curves exist.

Aligning the curves of equalization of reproduction to match the curves used by the label allow to extract the best signal from any single vinyl.

PH-10 offers a variety of the most used and common curves, starting with the standard **RIAA**, followed by the acclaimed original **DECCA LONDON** and the **COLUMBIA-CBS AMERICAN**.

Any single curve is also offered in the **ENHANCED** version that can result in a crisper, more vivid sound extracted from the vinyl and sometimes useful to achieve the best possible dynamic.

Selecting the curves is simple and intuitive with the Single Control Knob design, making PH-10 easy to set and enjoy.



WARRANTIES REGISTRATION

To validate the warranty is necessary to register the unit on the **Gold Note** internet web site within **15 days** from the purchase on the appropriate area of the web site: **<http://www.goldnote.it/>**

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

The warranty does not does not cover in any case: Tubes, Phono Cartridge Styli and Batteries.

CUSTOMER SERVICE

All **GOLD NOTE®** products are the result of meticulous technological research, and consequently their correct functioning is guaranteed. In spite of this it is possible that problems may emerge which non-specialist users cannot resolve. In this case, contact your dealer who will advise you on how to resolve the problem.

Do not return any object directly to the factory or to the national distributor or without being authorized to do so. In such cases both **GOLD NOTE®** and the distribution agents operating within your territory decline responsibility of any kind.

Please Note: Descriptions and technical characteristics may vary in any moment without notice.

ACTION	DESCRIPTION	HOW TO ADJUST IT
MATCHING THE CARTRIDGE IMPEDANCE	The MC cartridges may need a specific impedance adjustment. The MM cartridges do not need any impedance adjustment.	When selecting the MM option, the correct 47Kohm impedance is automatically loaded. The MC low impedance cartridge matching may need RCA plugs shorted with specific resistors to plug into the LOAD inputs. The GN Phono Stage has a wide variable acceptance accept normally all cartridges from 10ohm to over. Lower inputs may need different matching impedance if the cartridge manufacturer requires it.
CLEANING THE UNIT	The unit is dirty and needs to be cleaned	With EXTREME care use ONLY pure alcohol and a very soft 100% cotton cloth to sweep dust and stains out. Any acid or not extremely soft cloth will irreversibly damage the Phono Stage fine aesthetic. Do not use any alcohol to clean the Phono Stage anodized label, or printed parts. Only dry cloth is allowed

For spare parts visit the official **Gold Note** store at:

<http://www.akamaiaudio.it/>

TROUBLESHOOTING

SYMPTOM	DESCRIPTION	CAUSE	REMEDY
SPEAKER HUMMING	Speakers humming when the Phono Stage is connected to the system.	The Phono Stage is very SENSITIVE to house environment positions.	Be sure the position chosen is compatible with the Phono Stage.
		The Ground connector is not plugged.	Try to plug or to unplug the ground connector always finding the best solution of your audio system. The Electrical loops created by the ground connection needs to be tried.
		The Phono stage Input Interconnect are not plugged.	The “open” input of the Phono Stage may strongly hum. Always connect the Input Interconnect to test the Phono Stage.
		The listening volume is very high.	Any phono stage designed to achieve good sonic performances hums a bit when the volume of the amplifier is high. That is normal and strongly noticeable especially without music and with MC gain unit selection.
		The tone arm and cartridge are not properly installed.	Check the installation. A tone arm cable problem can occur, please check it.
		The interconnect input and/or output cables are not shielded.	Be sure to always use shielded cables for Phono Stage connections.
PHONO STAGE DOES NOT WORK WHEN IS ON		The AC Phono Stage plug is disconnected from the AC wall plug.	Connect it and make sure that the AC wall plug works
		The interconnect cables are not properly connected to the Phono Stage.	Connect them properly
		The fuse is blown.	Substitute the fuse with one of the same value
			Be sure you selected the right Input of the amplifier

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USER NOTE

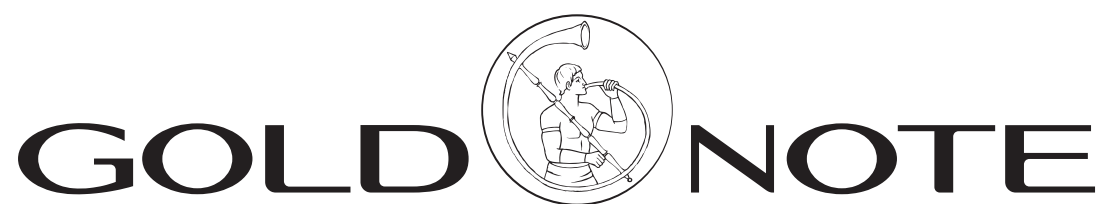
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USER NOTE

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