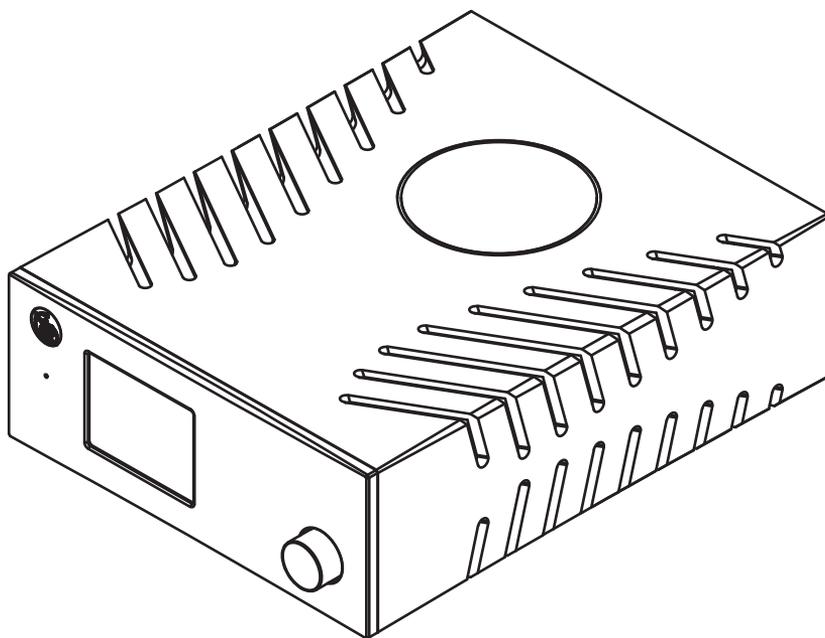


GOLD NOTE
Italian Music Experience



PH-10

THE MOST INNOVATIVE PHONO PREAMPLIFIER

OWNER'S MANUAL

IMPORTANT SAFETY INFORMATION



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

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 number and retain them for your records.

Serial Number: _____

Model: _____

IMPORTANT SAFETY INFORMATION

1 Read these instructions and store them.

2 Heed all warnings.

3 Follow the instructions.

4 Do not use this apparatus near water.

5 Clean only with a dry cloth.

6 Do not block the ventilation openings and install in accordance with the manufacturer's instructions.

7 Do not install near heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

8 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.

9 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

10 Only use attachments/accessories specified by the manufacturer.

11 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.

12 Unplug this apparatus during lightning storms or when unused for long periods of time.

13 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.

DESCRIPTION & SPECIFICATIONS

THE MOST INNOVATIVE PHONO STAGE

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

6 EQ CURVES TO CHOOSE

Select between 3 equalisation curves and experience outstanding performances.

You will finally be able to switch from the internationally recognised 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.

TWO SEPARATE TONEARMS

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

SELECTING THE GAINS

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 EQUALISATION CURVES TO ENHANCE

Select the record modulation between the internationally recognised 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 select and modify the settings.

DESCRIPTION & SPECIFICATIONS

MAIN DETAILS

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

Subsonic filter: 10Hz/36dB octave
Frequency response: 20Hz - 20KHz @ +/- 0.3dB
[Enhanced: 20Hz - 50KHz @ +/- 0.3dB]
THD (Total Harmonic Distortion): <0.05% MAX
Signal to noise ratio: -89dB
Dynamic response: 105dB
Output impedance: 50Ω

AUDIO INPUTS

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

AUDIO OUTPUTS

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

DIMENSIONS & WEIGHT

Dimensions: 200mm L | 80mm H | 260mm D
Weight: 4Kg

POWER

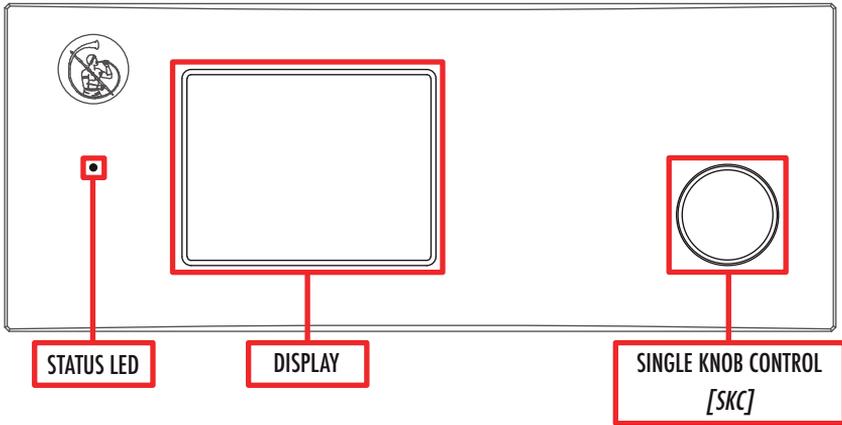
Main supply: 100V to 245V ~ 50/60Hz
Power consumption: 30W Super Linear supply
Standby consumption: < 0,5W

FINISHES

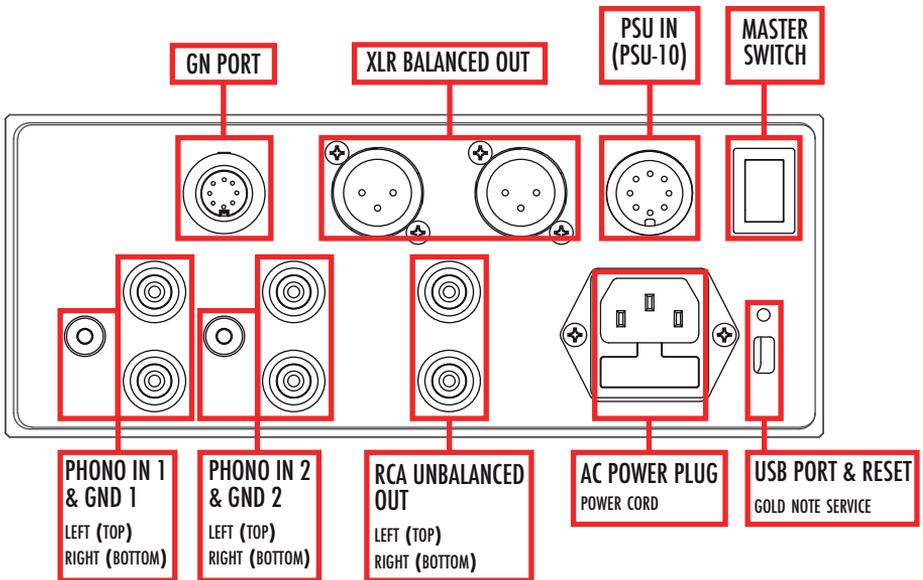
Brushed anodised Aluminium available in Black, Silver or Gold

FRONT & REAR PANELS

FRONT PANEL OVERVIEW

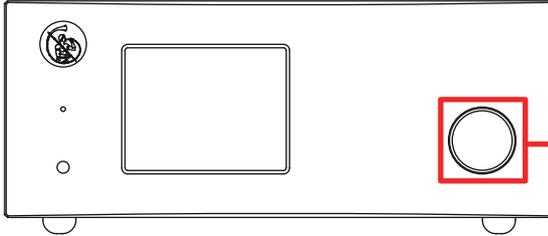


REAR PANEL OVERVIEW



QUICK START

TURNING ON & OFF PH-10 (STANDBY)



Use the MASTER SWITCH on the rear panel to power PH-10: the STATUS LED will turn ON to indicate that PH-10 is in Standby.

Press the SKC KNOB for 3 seconds to turn ON or OFF (standby mode) the PH-10.

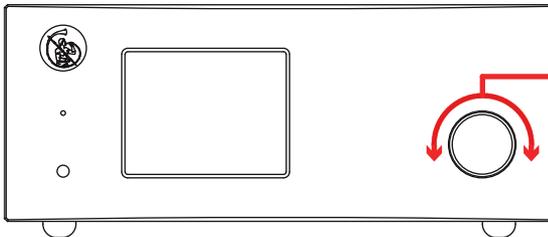
SELECTING FUNCTIONS AND CHANGING VALUES

On PH-10 every function is selected and adjusted from the front panel using the SKC Knob and the display. Browsing the menu is quick and easy and allows instant changes on the go while the music is playing.

Every adjustment will affect the device and the playback soon as it is applied and in real time within a couple of seconds (PH-10 will mute the playback while applying the adjustment).

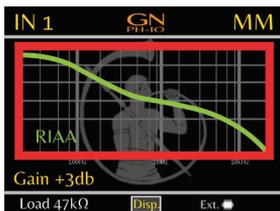
The SKC Knob can be rotated [to browse the menu and adjust values] and pressed [to select a function and confirm the adjustment].

To select a function, simply rotate the SKC Knob clockwise or anticlockwise: the display will show the SELECTION FRAME: as you rotate the SKC Knob you will see the SELECTION FRAME browsing the functions on the menu and now you can place the SELECTION FRAME on the function you want to adjust.



Press once the SKC Knob to select the function - the SELECTION FRAME will turn RED - and now rotate the SKC Knob to set the desired value.

Press the SKC Knob once again to apply the adjustment - the SELECTION FRAME will turn back to WHITE.



FUNCTIONS & DISPLAY

DISPLAY OVERVIEW

INPUT SELECTION
IN 1
IN 2

GAIN SELECTION
-3 dB
0 dB
+3 dB
+6 dB

LOAD SELECTION
10Ω 22Ω 47Ω 100Ω 220Ω
470Ω 1KΩ 22KΩ 47KΩ

TYPE SELECTION
MM
MC

EXT (EXTERNAL)
external power supply
PSU-10 connected

DISP (DISPLAY OFF)
turns the display OFF, the display will turn ON again for a few seconds when using the SKC KNOB

The main display area shows: **IN 1**, **GN PH-10**, **MM**, **RIAA** curve, **Gain +3db**, **Load 47kΩ**, **Disp.**, and **Ext.**

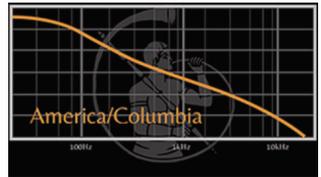
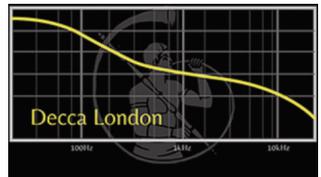
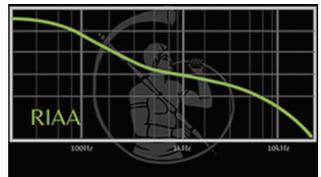
Vinyl records were pressed by different labels: each and every one could develop and use a different way to record and print records thus creating different equalisation curves.

Aligning the curves of equalisation of reproduction to match the curves used to produce the record is the best way to extract the correct audio signal from the vinyl.

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

Every curve is also offered in its ENHANCED version that can result in a crisper, more vivid sound extracted from the vinyl and sometimes useful to achieve even greater dynamic.

Selecting the curves is simple and intuitive using the SKC Knob design, making PH-10 a great tool to discover again your records.



WARRANTY & SERVICE

WARRANTY

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:

www.goldnote.it/warranty

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.

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

SERVICE

Every GOLD NOTE® product is 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 to be advised on how the fault can be solved.

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

In such cases both GOLD NOTE® and the distribution agents operating within your territory decline responsibility of any kind.

For more information please visit www.goldnote.it/service

PLEASE NOTE

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

TROUBLESHOOTING

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Matching the cartridge with PH-10.	<p>The MC cartridges need specific impedance values.</p> <p>The MM cartridges need a 47KΩ load.</p>	<p>Refer to the manufacturer's specifications to set up MC cartridges.</p> <p>MM cartridges do not require any adjustment.</p> <p>The PH-10 has a fixed capacitance of 330pF.</p>
Buzzing noise coming from the loudspeakers.	The phono stage is very sensitive to the surrounding environment.	<p>Try different placements of the phono stage and ensure that the environment is not affected by RFI/EMI.</p> <p>Always use only shielded cables.</p>
	The ground connector is not plugged in correctly.	Try to plug and unplug the ground connectors to find the best solution for your specific audio system.
	The interconnect inputs are not plugged in.	Always connect the interconnect input to test how the phono stage performs.
	The listening volume is very high while no music is playing.	High performance phono stages will produce a buzzing noise when the volume is high. It's normal when no music is playing and with MC gain selection.
	The tonearm and the cartridge are not installed properly.	Check the installation and the tonearm.
PH-10 is not working.	The interconnect cables used on the input/output are not shielded.	Always use only shielded cables.
	The power cord is not plugged in.	Connect the power cord properly and ensure the power outlet is working.
	The interconnect cables are not connected to the tonearm.	Ensure that the interconnect the cables are properly plugged in.
	The IEC fuse is blown.	Replace it with one of the same value.



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