



Wonder Audio Labs P1

P1 Extremely-advanced Phono Stage Preamplifier

The P1 is the most complicated phono stage preamplifier we have ever made before, a unique audio engineering designed to be innovative in every possible way and 100% truly high-end design in hardware either software. Featuring exclusive invented amplifier module, matching resistance up to 1000 levels adjustable from 10—1020Ω, class A discrete components, built in excellent quality MC step up transformer, single pole balanced tube amplifier circuit, +100 composite EQ curves, include two RIAA module (passive and active), manually adjustable custom settings, and very friendly operation screen user interface.

HIGHLIGHTS

YOUR BENEFITS

1000 levels adjustable impedance load

1000-level resistive load, which can be selected and set by adding or subtracting ohms one by one, very precisely matching various cartridges

32 levels adjustable capacitance load

There are 32 levels of phono capacitor to choose from 0~1800pF, which can meet the needs of vinyl system audio audiophile for various timbres

100 composite Old EQ curves

100 composite Old EQ curves, include two RIAA module (passive and active), manually adjustable custom settings

8 levels of adjustable amplifier gain

It is convenient for users to adjust the amplifier widely to adapt to cartridges with different output levels. 40, 42, 45, 50dB for MM, 55, 60, 65, 70dB for MC

Output phases adjustable

The output phase can be adjusted to positive phase output or inverse phase output at any time, so that different sound effects can be obtained

Subsonic frequency cut

When users encounter uneven vinyl records, they can turn on this function to eliminate sub-low frequencies below about 10Hz

Mono mode

You can switch between mono and stereo modes at any time, Especially for playing Old-EQ mono vinyl records, this feature is very useful

High purity pure silver wire application

99.99% pure silver wire internal wiring, power filter common mode choke, It can maximize the fidelity of the signal a more superior sound effect

Single Pole Balanced Amplifier SPBA

Exclusive patented technology vacuum tube analog amplification circuit

Built-in high-end MC step-up transformer

Reserved installation compatibility interface to facilitate audiophile to later upgrade customized MC step-up transformer

Use high-end high-quality capacitors

Using 4 pcs high-end brand Germany Mundorf Mcap series capacitors



THE EXTREMELY ADVANCED PHONO STAGE

The P1 is the best and the most complicated phono stage preamplifier we have ever made before, a unique audio engineering designed to be innovative in every possible way and 100% truly high-end design in hardware either software. Featuring exclusive invented amplifier module, matching resistance up to 1000 levels adjustable from 10—1020 Ohm, class A discrete components, built-in excellent MC step up transformer, single pole balanced tube amplifier circuit, 100 composite EQ curves, include two RIAA module (passive and active), manually adjustable custom settings, and very friendly operation screen user interface. You will be able to play virtually any record the way, or even customise the EQ curves manually by adjusting yourself. P1 will make you feel the unprecedented new experience of vinyl reproduction.

FRIENDLY USER INTERFACE

This P1 uses a 3.2-inch color LCD screen, which displays all aspects of consultation. Combined with key or tune operations, it is very convenient to operate the menu and adjust various parameters. Each input channel has a separate memory area, and the last setting can also be permanently saved after shutdown.

SUPER PERFECT CARTRIDGE MATCHING

P1 has 8 options to adjust the gain, up to 1000 levels adjustable impedance for the load and 32 levels for the capacitance, excellent quality MC step up transformer specially for MC cartridge. There is no doubt that it is the most comprehensive high-performance analogue matching network circuit systems. The best score summarized by the product designer and engineer team in combination with more than 30 years of high-quality audio manufacturing experience.

EXCELLENT CIRCUIT DESIGN

CPU digital logic control circuit and analog amplification circuit are completely separated. Digital power supply and analog power supply are completely separated each other. When the menu operation is completed for 20 seconds, the CPU digital circuit will automatically sleep in ultra-low power consumption mode and shut down power supply, completely eliminating the interference of CPU on the analog circuit. In addition, we also fully considered the compatibility design of the electronic tube circuit. In order to obtain the best effect, we invented the exclusive patent technology (SPBA : Single Pole Balanced Amplifier) and applied it to P1.

Technical Information

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| Inputs | 3RCA, 3XLR, All support MM & MC | Curves | Active RIAA, Passive RIAA, 100 OLD EQ curve |
| Outputs | 1 x RCA, 1 x XLR | Vacuum tube | 4 x ECC82 / 12AU7 |
| Frequency response | 20 Hz -- 20k Hz | Power filter | YES, silver wire common choke |
| Tolatal Harmonic Disrortion | < 0.02% max @1kHz | Output coupling capacitance | Mundorf M-Cap high-end capacitors |
| Signal to noise ratio | 100 dB | MC Step-up Transformer | High performance step-up transformer |
| Dynamic range | 110 dB | MC SuT Ratio | YES, Upgrades can enable functionality |
| MC Input impedance | 1000+ options : 10Ω ~ 1020Ω | Machine color | White or Black |
| MM Input impedance | 47kΩ | Power supply | AC 110V / 220V, 50 /60Hz |
| Input capacitance | 32 options : 0pF – 1800pF | Power consumption | 40 Watts |
| MM Gain | 40,42,45,50dB for MM | Weight | > 12.5 kg - net |
| MC Gain | 55,60,65,70dB for MC | Dimensions | 435mm W 100mm H 400mm D |