



Wonder Audio Labs Reference Phono

The Reference Phono is a groundbreaking reference-grade phono amplifier that combines JFET, BJT, linear regulation and vacuum tube technologies for innovative design. It is also the world's first phono amplifier with six independent inputs. Wonder Audio Labs was jointly founded in 2022 by William Tam, a renowned Hong Kong audiophile and the engineer Tom Tang. The P1 engineering prototype was developed in August of the same year, and the P1 was officially released in February 2023. The P1 Deluxe was launched in January 2024. After three years of research and design, the Reference Phono was officially released in August 2025. This flagship phono amplifier offers a wide range of adjustable parameters and convenient adjustment methods, allowing for the ultimate sound quality performance of vinyl systems.

HIGHLIGHTS .

2000 levels adjustable impedance load and set one by one ohms, 10Ω -- 2000Ω , $47K\Omega$ (MC)

32 levels adjustable capacitance load , 0 pF -- 1800pF

100 composite Old EQ curves, include two RIAA module(passive and active)

12 levels of adjustable amplifier gain , MM : 40 42 44 46 48 50dB MC : 55 60 62 64 66 70dB

The output phase can be adjusted to positive phase output or inverse phase

Subsonic frequency cut function

Mono mode, it can switch between mono and stereo mode

Built-in very High-end Lundahl LL1933Ag MC step-up transformer

3 common mode choke using the 99.99% pure silver wire internal wiring for power filter

Exclusive patented technology tube analog amplification circuit, Single Pole Balanced Amplifier SPBA

Using 4 high-end Germany Mundorf Mcap SUPREME EVO Silver Gold Oil capacitors

2.4G communication remote control, with global parameters adjusted simultaneously

6 inputs, 3 RCA, 3 XLR, all support MM & MC



2.4G communication remote control



6 inputs, 3 RCA, 3 XLR, all support MM & MC



Hardware design & pure silver internal wiring



Curve module & Lundahl LL1933Ag SuT



SPBA circuit & MCap SUPREME EVO capacitors



3 pure silver wire common mode choke

Reference Phono technical specification

| Technical information | | | |
|---------------------------|----------------------------------|-----------------------------|---|
| Inputs | 6 inputs, 3 RCA, 3 XLR | 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 |
| Total harmonic distortion | < 0.02% max @1kHz | Output coupling capacitance | Mundorf MCap SUPREME EVO SilverGold Oil |
| Signal-to-noise ratio | 100 dB | MC Step-up transformer | Lundahl LL1933Ag or other |
| Dynamic range | 110 dB | MC SuT ratio | YES,software control |
| MC input impedance | 2000+ options : 10Ω ~ 2000Ω,47kΩ | Machine color | White |
| MM input impedance | 47kΩ | Power supply | AC 110V / 220V, 50 /60Hz |
| Input capacitance | 32 options : 0pF – 1800pF | Power consumption | 40 watts |
| MM gain | 40,42,44,46,48,50dB for MM | Weight | > 12.5 kg - net |
| MC gain | 55,60,62,64,66,70dB for MC | Dimensions | 435mm W 100mm H 400mm D |