

SpacEND ZERO 动圈耳机放大器

使用说明书

设计简述

SpacEND ZERO 动圈耳机放大器采用全电子管线路，PCB 线路板采用了全新的处理工艺，确保信号传输的可靠性，输入采用瑞士原装 LUNDAHL 输入牛为第一级缓冲，音量调节采用日本仙顿 23 档波段开关配合高精度日本 AMRS 碳精电阻使用德国 HI-END QEL 焊锡手工制作的电位器，线路电压放大采用二颗 JJ ECC802s，推动级采用一颗 JJ ECC802s，输出采用二颗 JJ 6V6S，所有二颗耦合电容采用德国蒙多福铜箔高级发烧电容，二颗反馈耦合电容采用德国蒙多福 EVO 金银油浸电容，信号通道与主工作电源部分机内线，采用单晶银与单晶铜线材连接

机箱采用全铝设计，脚钉采用了 SpacEND 3D 避震钉，所有使用变压器都采用环氧树脂灌注密封处理，确保整机的震动控制在最小范围内

SpacEND ZERO 动圈耳机放大器主电源设计，采用 150 瓦电源变压器工作结构，电压放大供电与输出供电完全独立，并在整机供电通道上引入 6X4 电子管作为高压缓冲，整机采用交流灯丝供电。为提高整

机信噪而引入了扼流圈的 CLC 滤波线路，外加全线路稳压电路，整流部分采用四颗美国原装 MR760 二极管，高压滤波电容采用二颗美国原装 MALLORY 发烧高压电容，确保纯净、高速、充沛能量的放大器供电

SpacEND ZERO Dynamic Headphone Amplifier an instruction manual

Design Introduction

SpacEND ZERO Dynamic headphone amplifier adopts full electronic tube circuit, PCB circuit board adopts a new processing technology to ensure the reliability of signal transmission. The input adopts the original Lundahl input cow from Switzerland as the first level buffer, the volume adjustment adopts the 23 gear band switch from seidon, Japan, and the high-precision AMRS carbon resistor from Japan uses the German hi-end For the potentiometer handmade by QEL solder, two JJ ecc802s is used for line voltage amplification, one JJ ecc802s is used for driving stage, and two JJ are used for output 6v6s, all two coupling capacitors are German mondorf copper foil advanced fever capacitors, two feedback coupling capacitors are German mondorf Evo gold silver oil immersed capacitors, the signal channel is connected with the internal line of the main working power supply part, and single crystal silver and single crystal copper wire are used for connection

The chassis adopts all aluminum design, and SpacEND 3D

shockproof nails are used for foot nails. All transformers are sealed with epoxy resin to ensure that the vibration of the whole machine is controlled within the minimum range

The main power supply design of the SpacEND zero dynamic headphone amplifier adopts the working structure of a 150 Watt power transformer. The voltage amplification power supply is completely independent of the output power supply. A 6x4 electronic tube is introduced into the power supply channel of the whole machine as a high-voltage buffer. The whole machine is powered by AC filament. In order to improve the signal-to-noise of the whole machine, the CLC filter circuit of the choke is introduced, and the full line voltage stabilizing circuit is added. The rectifier part adopts four original mr760 diodes from the United States, and the high-voltage filter capacitor adopts two original Mallory feverish high-voltage capacitors from the United States to ensure the pure, high-speed and energetic amplifier power supply

技术参数

适配耳机：高/低动圈耳机

电子管型号： ECC802s*3、 6V6S*2、 6X4*1

6V6S 满足最大屏压 320V， 最大屏耗 5.5W，

整机失真： < 0.03%

测试条件 THD+N， 输入： 1V rms， RZ： 600 ohm， BW： DC-20KHz， A 记权

阻抗调整： 30/600 欧

反馈调整： -5dB/-8dB

信号输入: XLR 平衡输入与 RCA 单端输入各一组

耳机输出: 6.35*2、平衡双推 (L/R) *1、四芯平衡*1

耳机输出功率: 1000mW

输入电压: AC 110-220V 可切换

通过电源主机的输入电压开关调整输入电压。**注意! 开机前请确认当前本地工作电压, 调整动圈耳机放大器交流电源输入电压与本地电压一致后开机使用**

电源保险丝: AC 220V (1.25A); AC 110V (2.5A)

整机消耗功率: 80W

主机净重: 16KG

主机机箱尺寸: 430mmx380mmx135mm

Technical Specifications

Adaptable Headphones: High / low dynamic headphones

Type of Electronic Tube: ECC802s*3、6V6S*2、6X4*1

6v6s meets the maximum screen pressure of 320v and maximum screen consumption of 5.5W,

THD+N: < 0.03%

Testing Conditions: THD+N, input: 1V rms; RZ: 600 ohm; BW: DC-20KHz
A-weighted

Impedance adjustment: 30 / 600 ohm

Feedback adjustment: -5dB/-8dB

Signal input: One set of XLR balanced input and one set of RCA single end input

headphone output: 6.35 * 2. Balanced double push (L / R) 1. Four core balance * 1

Headphone output power: 1000mW

Signal Input: XLR Balanced Input *1 and RCA Single-ended Input *1

Input Voltage: AC 110-220V

The input voltage is adjusted by the input voltage switch on the back of power supply. **Attention! Confirm the current local power voltage first and adjust the input voltage switch to the right voltage before turning on**

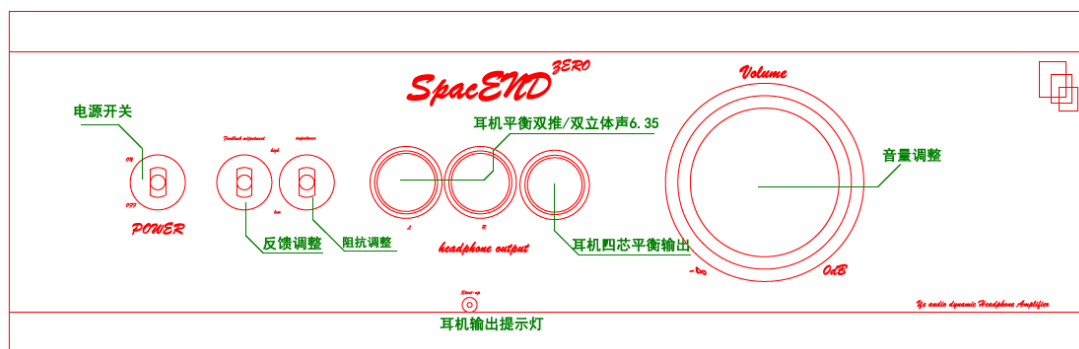
Power Fuse: AC 220V (1.25A); AC 110V (2.5A)

Power Consumption: 80W

Net weight of main engine: 16KG

Main Unit Size: 430mmx380mmx135mm

前后面板 (Front & Rear Panel)



图一



图二

保修条款

整机保修一年，电子管因外力造成损坏不在保修范围内，机器停产后负责维修五年

附件清单

- 1、 动圈耳机放大器主机一台
- 2、 美标国标电源线一条
- 3、 6V6S 电子管二颗
- 4、 ECC802s 电子管三颗、6X4 电子管一颗
- 5、 备用保险丝一枚
- 6、 使用说明书一本

警告

动圈耳机放大器电源未完全接通前，**严禁**开启工作电源

(AC220/100 伏)

Warranty

The whole set is guaranteed for one year. Any tube damage caused by external force is not covered by the warranty. It is responsible for the maintenance for five years after the model is discontinued

Accessories

1. Main unit *1
2. American standard power cord * 1
3. 6V6S tube *2
4. ECC802s tube *3、 6X4 tube *1
5. Spare fuse *1
6. User manual *1

Warnings

Do not turn on the working power supply (AC220 / 100V)until the power supply of the dynamic headphone amplifier is fully connected

SpacEND 音响工作室

Made in Shanghai

www.yeaudio.com