

EQ.73

Quick Start Guide

niDiPLUS

Introduction

Welcome to the **MIDIPLUS** EQ·73 Professional Audio Equalizer. This product features a classic analog equalizer circuit design combined with modern precision component craftsmanship, ensuring minimal phase distortion, smooth frequency response curves, and rich musical coloration during audio processing. The EQ·73's equalization function allows users to precisely shape sound within a gain range of $\pm 16\text{dB}$, optimizing frequency balance and harmonic performance.

The EQ·73 is a high-performance analog equalization processor featuring warm harmonic coloration and precise frequency control. Its circuitry is ideal for critical audio processing applications including vocal enhancement, instrument shaping, and bus coloration, delivering exceptional audio transparency and musical expressiveness.

Before use, please read the following guidelines carefully to ensure the safe and effective operation of your **MIDIPLUS** EQ·73.

Important Safety Instructions

1. Do not use this apparatus near water.
2. Clean only with a dry cloth.
3. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Protect the power cord from being walked on or pinched, especially at plugs and connectors.
4. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

5. Only use attachments/accessories specified by the manufacturer.
6. Unplug this apparatus during lightning storms or when unused for long periods of time.
7. The apparatus shall not be exposed to dripping or splashing and that objects filled with liquids, such as vases, shall not be placed on apparatus.
8. Do not place alighted candles on the apparatus.

Caution:

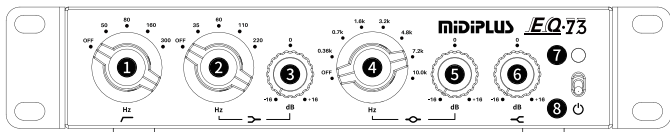
To reduce the risk of electric shock do not remove cover (or back).

No user-serviceable parts inside. Refer servicing to qualified personnel.

Features

- Fully analog 3-band Equalizer
- High Pass Filter with Variable Frequency
- Variable Frequency for Low Band and Mid Band
- High Shelf Filter with Fixed Frequency
- Adjustable Gain Range of +/- 16dB
- Balanced Input and Output

Hardware Features



- ❶ **High Pass Filter:** Selectable cutoff frequencies: 50/80/160/300 Hz, with an option to disable the filter.
- ❷ **Low-Frequency Shelf:** Selectable center frequencies: 35/60/110/220 Hz, with an option to disable the EQ.
- ❸ **Low-Frequency Gain:** Boosts or attenuates the selected low-frequency center point (± 16 dB).
- ❹ **Mid-Frequency Bandpass Filter:** Selectable center frequencies: 0.36/0.7/1.6/3.2/4.8/7.2/10 kHz, with an option to disable the filter.
- ❺ **Mid-Frequency Gain:** Boosts or attenuates the selected bandpass center frequency (± 16 dB).
- ❻ **High-Frequency Shelf Gain:** Boosts or attenuates the selected high-frequency range (± 16 dB).
- ❼ **Power Indicator:** Displays the current power status of EQ-73.
- ❽ **Power Switch:** Turns the EQ-73 ON or OFF.



- ❶ **Power In:** Connect the included AC adapter to power the EQ · 73.
- ❷ **OUTPUT:** Balanced output for line-level device connectivity.
- ❸ **INPUT:** Balanced input for line-level device connectivity.

Troubleshooting:

If your EQ · 73 encounters issues, perform the following basic checks to resolve common problems.

No Power

- Verify that the AC power outlet is active.
- Ensure the power cable is securely connected to the EQ · 73 and the outlet.

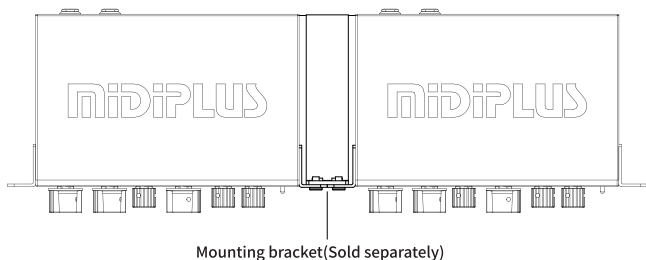
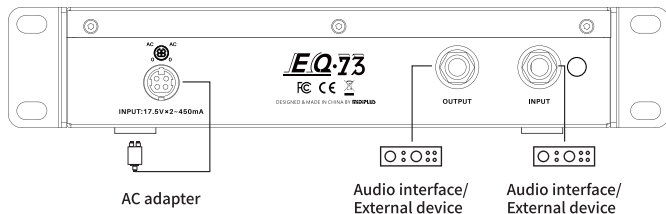
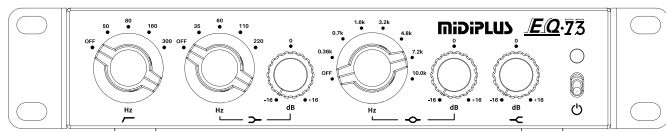
Audio Distortion/Abnormal Sound

- Confirm balanced cables are used for input/output connections.
- Check if input audio signal is present and normal.

Function Not Responding

- Verify no frequency selector switches are set to OFF position.
- Ensure all dynamic knobs are not set to 0 gain position.

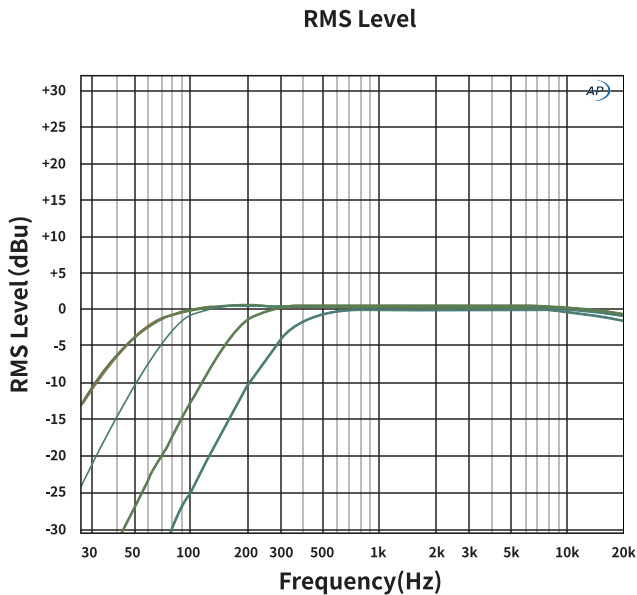
Connection Example



Two EQ-73 units can be interconnected via the included mounting bracket

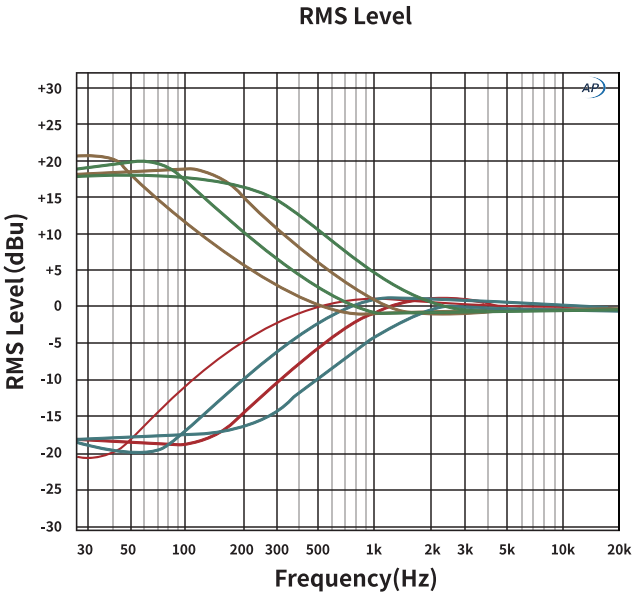
Technical Specifications:

High Pass Filter (50Hz/80Hz/160Hz/300Hz)



Low-Frequency Shelf

(35Hz±16dB/60Hz±16dB/110Hz±16dB/220Hz±16dB)

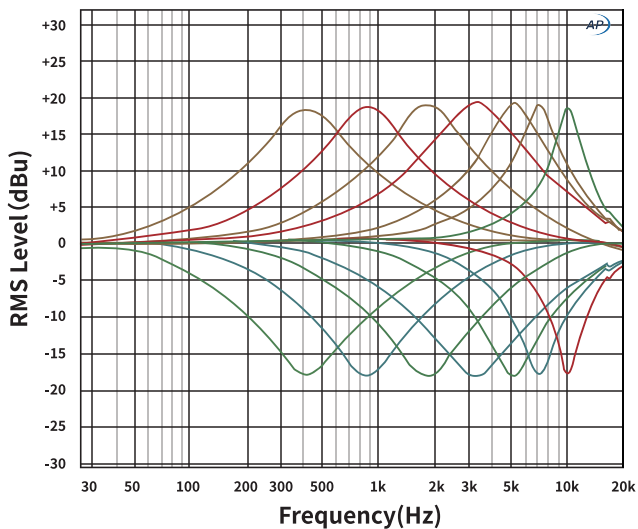


Mid Frequency Bandpass Filter

(0.36kHz $\pm$ 16dB/0.7kHz $\pm$ 16dB/1.6kHz $\pm$ 16dB/3.2kHz $\pm$ 16dB/

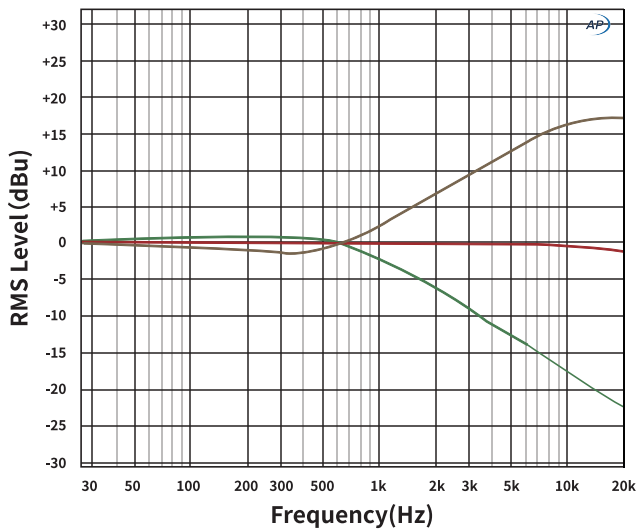
4.8kHz $\pm$ 16dB/7.2kHz $\pm$ 16dB/10kHz $\pm$ 16dB)

RMS Level



High-Frequency Shelf ($\pm 16\text{dB}$)

RMS Level



Specifications:

Model	EQ · 73
I/O	1 x AC 17.5V x 2 AC Input Port 1 x 6.35mm Balanced Output Jack 1 x 6.35mm Balanced Input Jack
Knob	1 x High Pass Filter 1 x Low-Frequency Shelf 1 x Low-Shelf Gain Knob 1 x Mid-Frequency Bandpass Filter 1 x Mid-Frequency Gain 1 x High-Frequency Shelf Gain
Accessories	1 x EQ · 73 2 x Rack Ears 1 x Rack Ear Mounting Screw Set 1 x AC Power Adapter
Weights	1.06kg
Dimensions	241.2 x 130.1 x 45.6mm

EQ.73

快速入门指南

MIDIPLUS

简介

欢迎使用 **MIDIPLUS** EQ·73 专业音频均衡器。本产品采用经典模拟均衡电路设计，结合现代精密元件工艺，确保在音频处理过程中提供极低的相位失真、平滑的频响曲线以及丰富的音乐性染色。EQ·73 的均衡调节功能允许用户在 $\pm 16\text{dB}$ 的增益范围内精确塑造声音，优化频段平衡与谐波表现。

EQ·73 是一款高性能的模拟均衡处理器，具备温暖的谐波特性和精准的频点控制。该电路适用于人声增强、乐器塑形、总线染色等关键音频处理环节，能够提供卓越的音频透明度和音乐表现力。

使用前请仔细阅读以下指南，以确保您能够安全、有效地使用 **MIDIPLUS** EQ·73。

重要安全说明

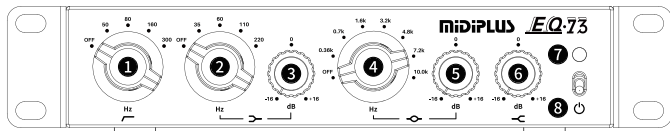
1. 请勿在靠近水的地方使用本产品。
2. 请用干布清洁本产品。
3. 请勿将本产品安装在热源附近。
4. 妥善保护电源线,使其不被踩踏或刺破。
5. 请只使用制造商指定的附属设备和配件。
6. 遇闪电雷鸣或长期不使用本产品时,请拔掉电源插头。
7. 请避免有水滴溅或喷洒到产品上面,请不要把任何带液体的器皿(如花瓶等)放在产品上。
8. 请不要将点燃的蜡烛等放在产品上。

警告:为避免触电危险,请勿打开后盖及其他部件。产品内部没有可供用户维修的部件。
请将维修事项交由合格的专业人员进行。

产品特性

- 纯模拟3段式均衡器
- 可变频率的高通滤波器
- 可变频率的低频和中频均衡
- 固定频率的高频搁架式均衡
- +/- 16dB可调增益范围
- 平衡式输入和输出接口

硬件功能



- ① **高通滤波器**: 可选截止频率50/80/160/300 Hz, 支持关闭
- ② **低频搁架式均衡**: 可选中心频率35/60/110/220 Hz, 支持关闭
- ③ **低频增益调节**: 对所选低频中心频率进行提升或衰减, 调节范围: $\pm 16\text{dB}$
- ④ **中频带通均衡**: 可选中心频率0.36/0.7/1.6/3.2/4.8/7.2/10 kHz, 支持关闭
- ⑤ **中频增益调节**: 对所选带通中心频率进行提升或衰减, 调节范围: $\pm 16\text{dB}$
- ⑥ **高频搁架增益调节**: 对高频区域进行整体提升或衰减
- ⑦ **电源指示灯**: 指示EQ·73的开机状态
- ⑧ **电源开关**: 打开或关闭EQ·73的电源



- ❶ 电源接口:用于连接AC适配器
- ❷ OUTPUT接口:平衡式线性电平输出接口
- ❸ INPUT接口:平衡式线性电平输入接口

故障排除：

如果EQ-73出现某些问题，请尝试以下基本检查以排除故障

无法开机

- 检查交流电源插座是否通电
- 检查电源线是否已正确连接

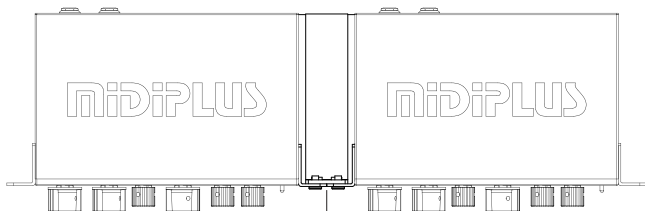
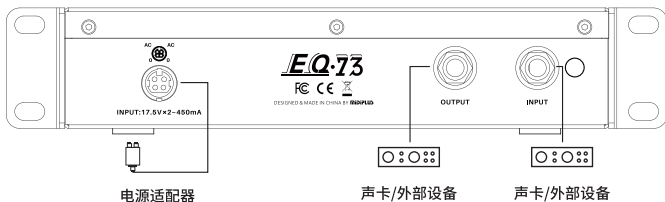
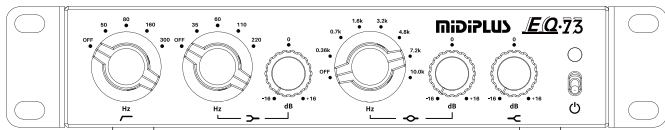
声音不正常

- 检查输入/输出是否使用平衡式线材
- 检查是否输入音频是否正常

功能不起作用

- 检查档位开关是否打到了OFF
- 检查增益旋钮是否打到了0

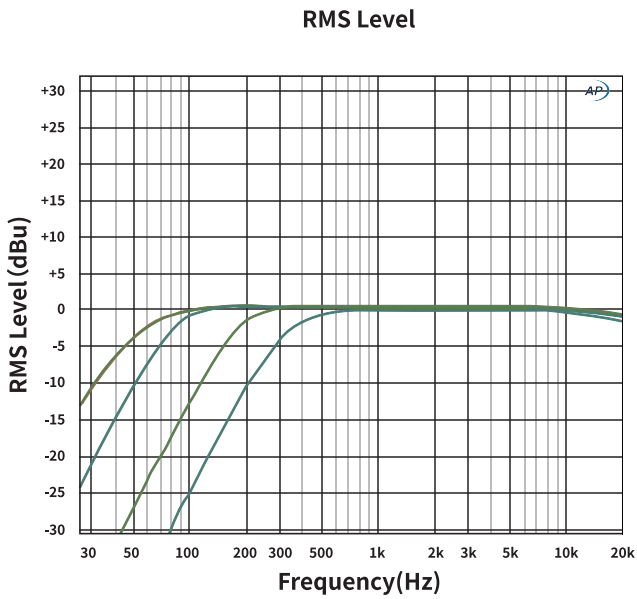
连接示意



连接支架 (需另购)
两台EQ-73可使用连接支架连接起来

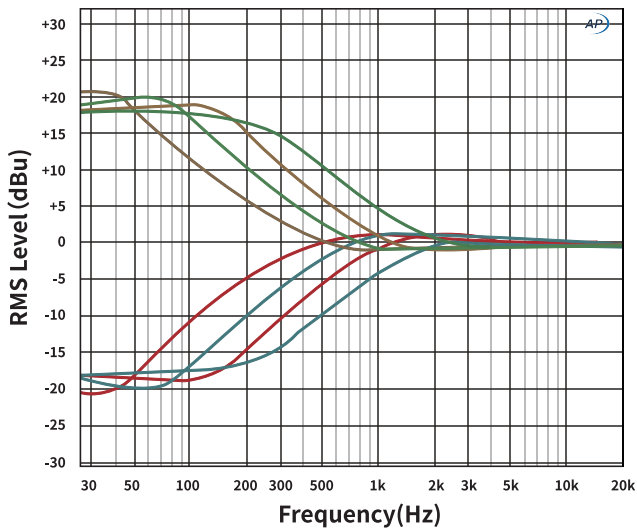
技术规格:

高通滤波器(50Hz/80Hz/160Hz/300Hz)

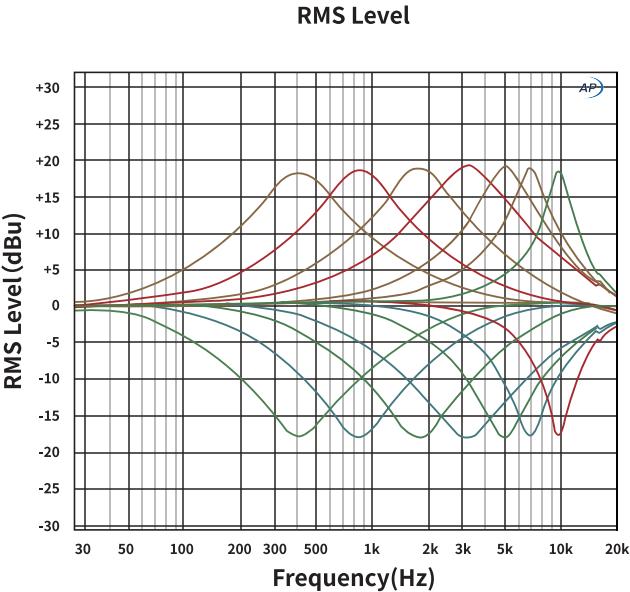


低频搁架器 (35Hz±16dB/60Hz±16dB/110Hz±16dB/220Hz±16dB)

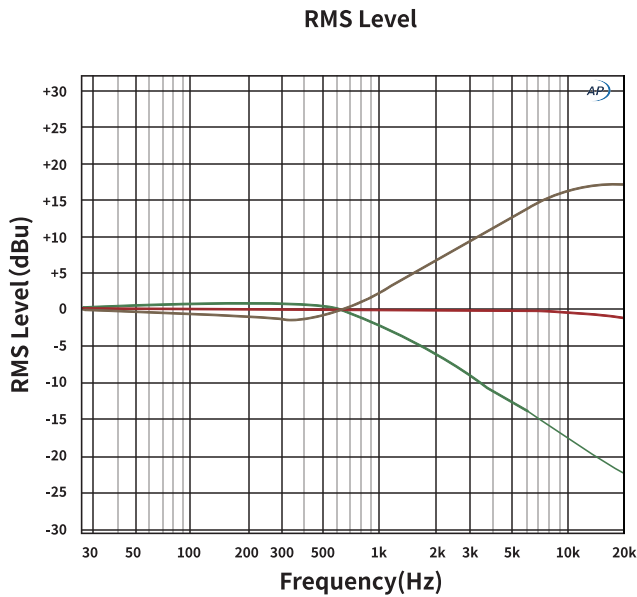
RMS Level



帶通濾波器 (0.36kHz±16dB/0.7kHz±16dB/1.6kHz±16dB/3.2kHz±16dB/
4.8kHz±16dB/7.2kHz±16dB/10kHz±16dB)



高频搁架器 ($\pm 16\text{dB}$)



产品规格：

型号	EQ·73
I/O接口	1 x AC 17.5V x 2 电源接口 1 x 6.35mm 平衡输出接口 1 x 6.35mm 平衡输入接口
旋钮	1 x 高通滤波档位 1 x 低频搁架档位 1 x 低频搁架增益旋钮 1 x 带通滤波档位 1 x 带通滤波增益旋钮 1 x 高频搁架增益旋钮
包装清单	1 x EQ·73 2 x 机架耳 1 x 机架耳安装螺丝(套) 1 x AC电源适配器
重量	1.06kg
尺寸	241.2 x 130.1 x 45.6mm

www.midiplus.com