

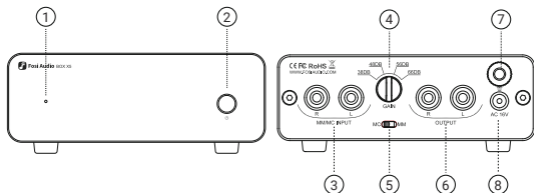


BOX X5 User Manual

Introduction

Thank you for purchasing the BOX X5 phono preamp.

The BOX X5 is a high-performance phono preamp that supports both MM and MC cartridges and offers four selectable gain settings (38/48/56/66 dB) to accommodate most cartridges on the market. This preamp is equipped with high-precision capacitors and resistors to ensure very low noise, providing a pristine audio experience. Its straightforward RCA input and output interfaces make connectivity simple. The robust all-aluminum chassis not only ensures durability but also effectively shields against electromagnetic interference, ensuring consistent and stable performance.



① Power Indicator Light

② Power Switch:
Long press for two seconds to turn on; single click to turn off.

③ MM/MC RCA Input

④ Gain Knob

Gain	Recommended Phono Signal
38dB	>2mV
48dB	≤2mV
56dB	≤0.5mV
66dB	≤0.25mV

⑤ Input Impedance Selector Switch
MM47KΩ (Recommended for use with 38dB or 48dB gain settings)
MC100Ω (Recommended for use with 56dB or 66dB gain settings)

⑥ RCA Output

⑦ Ground Terminal

⑧ Power Input:
AC 15-18V (The included 16V AC adapter is recommended.)

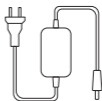
Specifications

Supported Cartridges	MM/MC
Input	MM/MC RCA
Output	RCA
Gain	38/48/56/66dB
Input Impedance	MM: 47K Ω MC: 100 Ω
Output Impedance	10K Ω
SNR	92dB(38dB gain, 5mV input)
THD	0.009%(38dB gain, 5mV input)
Noise Floor	37 μ V(38dB gain, 5mV input)
Frequency Response	20Hz-20kHz(\pm 0.015dB)
Input Voltage	AC 16V

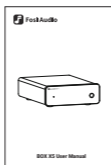
Package Contents



BOX X5 Phono Preamp



AC 16V Power Adapter



User Manual

Operation Guide

1. Connect the turntable's signal output to the MM/MC RCA input of the BOX X5 using an RCA cable, then connect the BOX X5's RCA output to the input of the power amplifier with another RCA cable;
2. Connect the power amplifier to passive speakers using speaker wires (if the turntable has a ground wire, connect it to the ground terminal of the BOX X5);
3. Install a record on the turntable and adjust the BOX X5 to the appropriate gain and impedance settings (refer to caution note 5);
4. Power up the turntable, BOX X5, and power amplifier;
5. Turn on devices in the order of turntable, BOX X5 and power amplifier, set the volume to a low level, begin playing music, and then adjust the volume to an appropriate level.

Important Notes:

1. Ensure cables are securely connected to avoid noise during use;
2. Do not plug or unplug cables while the device is powered on to prevent noise, damage to the equipment, and hearing impairment;
3. Due to the high gain of the BOX X5, use fully shielded and short RCA cables to avoid signal interference and noise, and try to avoid touching the BOX X5 during its operation;
4. Always adhere to the following power sequence: audio source, BOX X5, power amplifier, to prevent damage to passive speakers from surge signals when powering on the turntable. The order in which the devices are switched off is then: power amplifier, BOX X5 and audio source;
5. When adjusting the gain settings on the BOX X5, ensure the volume is turned down first.

Frequently Asked Questions

1. Why is there noise after connecting all devices?

- A. Check if all cables are correctly connected and making good contact.
- B. Avoid using the same power outlet for the turntable and the BOX X5.
- C. Use RCA cables with 100% shielding, the shorter the cable length the better.
- D. Due to the high gain of the BOX X5, maintain a sufficient distance from other devices to prevent interference; avoid stacking the BOX X5 with power amplifiers or turntables.

2. Can the BOX X5 be used as a regular preamp?

The BOX X5 is a phono preamp with a higher amplification gain than a regular preamp, thus it is not suitable for use as a standard preamp.

3. Is it mandatory to connect the turntable's ground wire to the BOX X5's ground terminal?

Grounding is recommended to avoid rattling during use.

4. Can sources other than a turntable be connected to the BOX X5, and can it be connected directly to passive speakers without a power amplifier?

Neither is advised. The BOX X5 is specifically designed for RIAA equalization for turntables and should not be used with other audio sources. The signal output from a turntable and the BOX X5 is relatively low and requires an external power amplifier to achieve a higher volume when connected to passive speakers; alternatively, connect the BOX X5 to powered speakers.

5. How to adjust the gain and impedance settings of the BOX X5 according to the cartridge type of the turntable?

Here are recommended combinations (adjustments can be made based on specific conditions):

Gain/Output Impedance	Recommended Phono Signal
38dB/47K Ω	>2mV
48dB/47K Ω	\leq 2mV
56dB/100 Ω	\leq 0.5mV
66dB/100 Ω	\leq 0.25mV

If you have any further questions, please contact our support team at support@fosiaudio.com.

Warranty and Maintenance

Fosi Audio pledges to give a 24-month limited warranty and support from the date of purchase. If you encounter any problem when using our product, please contact our support team at **support@fosiaudio.com**.

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Fosi Audio designs and builds innovative audio products with all your music in mind. Great sound, simple but elegant designs, high-quality components, and truly useful features are what Fosi Audio pursues. We sincerely hope you can get as much enjoyment from our products as we've had to create them!

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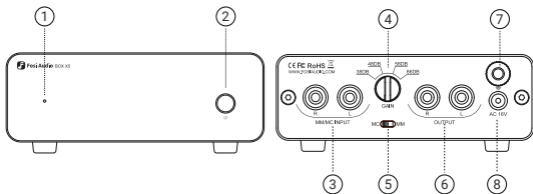


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产品简介

感谢您选择BOX X5唱机前级放大器。

BOX X5是一款高性能的唱机前级放大器，支持MM和MC两种唱头，并提供38/48/56/66dB的四档可调增益，适配市场上大部分唱头。该放大器采用高精度电容和电阻，确保极低底噪，提供纯净的音质体验。简洁的RCA输入和输出接口设计，使得连接操作更加简便。其全铝合金机身不仅坚固耐用，还能有效隔离电磁干扰，保证持续稳定的性能表现。



① 电源指示灯

② 开关机按键：
长按两秒开机，单击关机。

③ MM/MC RCA输入

④ 增益旋钮

增益	推荐唱头信号
38dB	>2mV
48dB	≤2mV
56dB	≤0.5mV
66dB	≤0.25mV

⑤ 输入阻抗拨动开关
MM47K Ω (推荐搭配38dB或48dB增益使用)
MC100 Ω (推荐搭配56dB或66dB增益使用)

⑥ RCA输出接口

⑦ 接地口

⑧ 供电口：
支持15-18V交流电源供电，推荐使用随附的16V交流电源适配器。

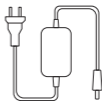
规格参数

支持唱头	MM/MC
输入	MM/MC RCA
输出	RCA
增益	38/48/56/66dB
输入阻抗	MM:47K Ω MC:100 Ω
输出阻抗	10K Ω
信噪比	92dB (38dB增益, 5mV输入)
失真	0.009% (38dB增益, 5mV输入)
底噪	37 μ V (38dB增益, 5mV输入)
频率响应	20Hz-20kHz(\pm 0.015dB)
输入电压	AC 16V

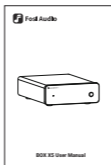
包装清单



BOX X5唱机前级放大器



电源适配器



用户手册

使用说明

- 1.使用RCA线连接唱机信号输出口和BOX X5的唱机输入接口,再使用另一条RCA线连接BOX X5的RCA输出口到功率放大器输入口;
- 2.使用喇叭线连接功率放大器和无源音箱(如果黑胶唱机配备地线,可以连接至BOX X5接地口);
- 3.为黑胶唱机安装好唱片,调节BOX X5到对应的增益和电阻档位(参考注意事项第5点);
- 4.分别为黑胶唱机、BOX X5和功率放大器接上电源;
- 5.依次打开黑胶唱机、BOX X5、和功率放大器,将音量调至较低水平,开始播放音乐后再调至合适水平。

注意事项:

- 1.确保线材连接到位,以免使用过程中出现噪音;
- 2.请勿在开机状态下插拔线材,以免产生异响、损坏设备以及影响您的听觉;
- 3.BOX X5的增益较大,请尽量使用全屏蔽且长度较短的RCA线连接,以免信号被干扰产生噪音,并且尽量避免触碰工作状态中的BOX X5;
- 4.请务必遵守以下设备开机顺序:音源、BOX X5、功率放大器,从而避免黑胶唱机上电时的冲击信号对无源扬声器造成损坏。关闭设备的顺序则为:功率放大器、BOX X5和音源;
- 5.更改BOX X5的增益档位时请务必先把音量调低。

常见问题

1.各设备连接好后为什么会有噪音？

- A.检查所有线材是否连接正确并且接触良好；
- B.避免唱机和BOX X5使用同一电源插座；
- C.使用带有100%屏蔽效果的RCA线材，线材长度越短越好；
- D.BOX X5的电源线和RCA信号线应避免互相缠绕，请尽量保持线材整洁。

2.BOX X5是否能用作普通前级放大器？

BOX X5是唱机前级放大器，放大增益比普通前级大，因此不能充当普通前级放大器使用。

3.唱机的地线必须连接到BOX X5的接地口吗？

我们建议进行接地处理，但如果使用过程中没有异响，也可以选择不作连接。

4.能使用唱机以外的音源连接BOX X5，以及BOX X5可以不接功率放大器，而直接连接无源扬声器吗？

都不建议。BOX X5专门针对黑胶唱机的RIAA信号作出了调整，不建议使用其他音源设备；黑胶唱机+BOX X5所输出的信号还较小，需要外接一个功率放大器，再连接至无源扬声器才能达到较高的音量，也可以选择将BOX X5连接至有源音箱。

5.如何根据唱机的唱头调节BOX X5的增益和电阻档位？

我们推荐以下搭配方式(也可以根据实际情况调节)：

增益/输出阻抗	推荐唱头信号
38dB/47K Ω	>2mV
48dB/47K Ω	\leq 2mV
56dB/100 Ω	\leq 0.5mV
66dB/100 Ω	\leq 0.25mV

如果您还有其他问题，请联系我们的支持团队
support@fosiaudio.com

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产品自售出7日内,在正常使用情况下出现故障,客户可以无条件退换货。正常使用两年内出现故障,可以免费保修。购买日期以发票或收据日期为准,网上购买按订单日期为准。

无法享受“三包”服务的情况:

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4. 不能出示有效购机凭证的;
5. 不属于本公司产品的。

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保修方式为送修,此条款只适用于官方销售渠道售出的产品,其他渠道请参考销售代理商的规定和当地国家法规关于质保的规定。

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