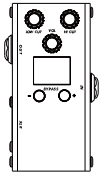
英文

60.00 mm

85.00 mm

IR BOX

User Manual



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Preface EN

Thank you for buying our product. IR BOX is a box simulator and IR loader based on pulse response (Impulse Response) technology. With it, you can immediately get the highly restored various classic speaker box sound. Connect official computer software or mobile APP, support loading third-party IR files, support bass speaker box simulation, guitar speaker box, folk guitar body simulation, etc. Computer software and mobile phone APP are equipped with professional 9-segment EQ, flexible frequency point and maximum ± 12dB adjustment range, carefully adjust the sound texture of IR files. We try our best to provide you with this high quality effector, I hope you can like it!

Matters Need Attention EN

■ **Power supply:**
Please use the correct power adapter with a positive 9V power supply (9V1A or 5V1A is recommended), otherwise it may cause equipment damage! Unplug the power supply without using the equipment or during a thunderstorm.

■ **Linkage:**
Turn off other related devices before connecting to or disconnecting them.

■ **Electrical interference:**
Electromagnetic waves such as radio and TV may interfere with the use of equipment, so try to stay away from equipment such as radio and TV.

■ **Place of placement:**
To prevent damage from deformation, discoloration and other aspects, avoid the following:
A. Heat source
B. Magnetic field
C. Direct sunlight
D. High temperature and damp
E. Dust or unclean places
F. Strong strongly or shake

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Product Features EN

1. Simple, high-end design.
2. The factory is equipped with 32 presets, each preset has IR.
3. The product has 25 kinds of classic electric guitar box simulation presets (01~25 preset), 7 kinds of classic electric bass box simulation presets, a total of 32 presets (26~32 preset), which are suitable for most music styles and music scenes.
4. High-performance digital signal processing, signal-to-noise ratio of 103dB, 44.100 hz 24bit sampling rate, let you get high-quality sound.
5. The attached USB cable can be connected to the computer for modulation.
6. Less than 1.5ms delay, restore the ultimate touch.
7. Users can use our APP or computer software to customize and replace IR files in the IR module.Support 44100hz, 24bit sampling rate, 1024x2048 sampling points IR files.
8. The official computer software and mobile phone APP are equipped with a professional 9-segment EQ module, flexible frequency point 30 HZ~18 K*12 and the maximum ± 12dB adjustment range, after the adjustment can be saved in the host preset with one key.
9. In factory default mode, IR module is on, EQ module is closed, and EQ module is used to manually turn on.
10. When the IR module is closed, the EQ module can be used independently.
11. Users can import/export presets with one click using official computer software.

Attention: Access to the software needs to adjust the volume of the IR module (0-100), and enter the computer software to restore the factory settings.

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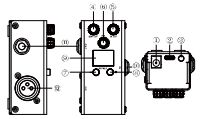

① **Power interface:** Use 9V1A DC transformer (Positive inside and negative outside).
② **USB interface:** Support 5V power supply, it is recommended to use the 5V 1A adapter.
③ **Headphone port:** Support the use of 3.5mm headset.
④ **LOW CUT knob:** Adjust the frequency point of the global low frequency shear, adjust the whole 32 preset output timbre. The shear range is 20 HZ~360 HZ (Turn the knob counterclockwise to the end of 20HZ, that is, the low frequency below 20HZ is cut. Turn the knob clockwise to the end of 360HZ, that is, the low frequency below 360HZ is cut out.)
⑤ **HI CUT knob:** Adjust the frequency point of the global high frequency shear, adjust the whole 32 preset output timbre. The shear range is 18 K~12~1 KHZ (Turn the knob counterclockwise to the end of 18kHZ, that is, high frequencies above 18kHZ are cut. Turn the knob clockwise to the end of 1kHZ, that is, high frequencies above 1kHZ are cut.)
⑥ **VOL knob:** Adjust the total output volume of IR BOX, and the external audio volume through USB input is uncontrollable.
⑦ **Left button:** Select the preset forward. Press the left and right button to enter the BYPASS state.
⑧ **Right button:** Select the preset backward. Press the left and right button to enter the BYPASS state.
⑨ **Display screen:** Display the number of the current preset (01~32) or the BYPASS status (bp is displayed on the screen).
⑩ **Input interface:** 1/4 " mono audio input interface.
⑪ **Output interface:** 1/4 " mono audio output interface.
⑫ **Balance output interface:** XLRbalance Kanon output interface.

Preset Introduction EN

	SOUND	SIZE
1	Based on the TweedDeluxe Celestion Blue~TAB 57~CapEdge specification	2X12
2	Based on the ShowmanD130s~TAB 57~Cap specification	2X12
3	Based on the JC 120~RolandT2s~U47~Cap specification	2X12
4	Based on Marshall1960B~V30s~C414~Cap specification	4X12
5	Based on Marshall Basketweave Celestion~G 12 L~TAB 57~Cap specification	4X12
6	Based on the Marshall1960B~T75s~U47~Cap specification	4X12
7	Based on Marshall1960B~V30s~TAB 57~Cap specification	4X12
8	Based on the Marshall Basketweave Celestion~G12H30s~U47~Cap specification	4X12
9	Based on the BOGNER Uberkab~T75V30~TAB 57~Cap specification	4X12
10	Based on the ENGL ProV30s~TAB 57~Cap specification	4X12
11	Based on the PEAVEY 5150~Sheffield1200s~TAB 57~Cap specification	4X12
12	Based on the TwinD120s~U87~Cap specification	2X12
13	Based on the TwinJensenC12N~KM84~Cap specification	2X12
14	Based on the VoxAC30S1vers~SM57~Cap specification	2X12
15	Based on the VoxAC30S1vers~U87~Cap specification	2X12
16	Based on the TwinD120s~TAB 57~CapOffAxis specification	2X12
17	Based on the ShowmanD130s~U47~Cap specification	2X12
18	Based on OrangeAs12~V30s~C414~Cap specification	4X12
19	Based on the DiezelV30~SM57~Cap specification	4X12
20	Based on the Mesa Boogie~U87~Cap specification	4X12
21	Based on the Electrovoice~C414~Cap specification	4X12
22	Based on the R rimental~TAB57~Cap specification	4X12
23	Based on the 1X15 Supro Thunderbolt S6420 Jensen 15"~TAB 57~Cap specification	1X15
24	Based on the Matchless ES212 Celestion~G12H30~TAB 57~Cap specification	2X12
25	Based on the MesaRectifierV30s~TAB 57~Cap specification	4X12
26	Based on the Jensen 10 A050 CIF sx (BASS) specification	4X10
27	Based on the Studio 22 441 Edge 48s (BASS) specification	4X10
28	Based on the Ampeg SVT~410HE (BAS) specification	4X10
29	Based on the Aguilar DB35 (BASS) specification	4X10
30	Based on the TPS PV 421 610 (BASS) specification	4X10
31	Based on the EDEN E300 (BASS) specification	4X10
32	Based on the Work 15 4050 (BASS) specification	4X10

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Attention: In the factory state, all the presets only open the IR module, and the EQ module is not open by default. If the user needs to open and save the EQ parameter to the machine, please enter the APP or connect the computer for operation.

This product supports independent use of the EQ module when the IR module is turned off.

Software Support EN

■ **Software support:**
CubeSuite for Android/iOS: Scan the QR code

■ **Computer connection method:** Use USB cable to connect the computer, you can connect the computer software CUBESUITE for operation.

■ **Mobile APP connection method:** Search and use CUBESUITE for download and install. After entering the software interface, click "Scan nearby device", select "IR-BOX", and click "Pair", which can be used after successful loading.

Attention: Only support BT wireless control APP, do not support BT audio transmission.

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Technical parameters EN

Input impedance	1 MΩ		
Mic~Balanced output	1/4 "TS interface	Impedance	1kΩ
Balanced output	XLR interface	Impedance	1kΩ
Headset output	1/8 "stereo output (TRS)	Impedance	22Ω
Power supply 1	DC9V±300mA		
Power supply 2	USB5V±300mA		
Operating current	9V 80mA 5V 120mA		
Attachment	USB-C data line		
Dimension	90(L)X50(W)X45(H)mm		
Weight	155g		
Revised	June 20, 2024		

We will continue to improve our products and reserve the right to modify certain functions and specifications (including but not limited to appearance, packaging design, operation manual, accessories, dimensions, specifications, displays, etc.) without further notice.

Please confirm the product functions and specifications with the local distributor before the purchase. Product pictures and color due to the light error and screen admiration setting.

It may be different from the physical product effect. Please refer to the physical object accordingly.

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FCC Warning Statement EN

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an output on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement
The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1)This device may not cause harmful interference.
(2)This device must accept any interference received, including interference that may cause undesired operation.

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中文

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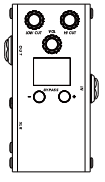
IR BOX

说明书



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前言 CN

感谢您购买我司产品，IR BOX是一款基于脉冲响应（Impulse Response）技术的音频模拟效果器。IR功能器，使用它能让您立即得到还原很高的音质效果音箱模拟声音，连接官方电脑软件或者手机APP，支持加载第三方IR文件，支持显示音箱原体模拟，常规音箱音体，民谣吉他琴体模拟等，电脑软件和手机APP配有专业9段EQ，灵活可调的频点和最大±12dB的调节范围，细致入微地调节IR文件的声音质感。我们尽最大的努力为您提供这款高品质的效果器，希望您能喜欢它！

注意事项 CN

■ **电源供应:**
请使用正确的电源适配器，适配器使用内负外正的9V电源(建议使用9V1A或者5V1A的电源)，否则可能会导致设备损坏！在不需要使用本设备或雷雨天时请拔下电源。

■ **连接:**
当连接或断开设备前，请先关闭其他相关设备。

■ **电磁干扰:**
收音机、电视机等电磁波可能会对设备使用造成干扰，因此请尽量远离这些设备机和电视机等设备。

■ **放置场所:**
为防止变形、变色和其他方面等对产品造成损坏，请避免以下情况:
A. 热源
B. 磁场
C. 阳光直射
D. 高温潮湿
E. 灰尘或不洁的地方
F. 强烈震动或摇晃

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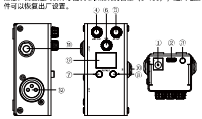
产品特性 CN

1、简洁、高档的外观设计。
2、出厂设有32个预设，每个预设下有IR。
3、产品内置25种经典电吉他音箱模拟预设（01~25号预设），7种经典电贝斯音箱模拟预设（26~32号预设），一共32组预设，适用于大部分音乐风格和音乐场景。
4、高性能数字信号处理，信噪比为103dB，44100hz 24bit采样率，让您听到高品质的声音。
5、可使用本机附带USB连接线连接电脑进行调试。
6、小于1.5ms的延迟，还原极致音质。
7、用户可使用我们APP或电脑软件自由修改IR文件，可支持44100hz，24bit采样率，1024x2048采样点的IR文件。
8、官方电脑软件和手机APP配有专业9段EQ模块，灵活可调的频点30HZ~18KHZ和最大±12dB的调节范围，调节完毕后可一键保存于主机预设中。
9、在出厂默认模式下，每个预设中IR模块为开启状态，EQ模块为关闭状态。使用EQ模块需手动开启。
10、在关闭IR模块的情况下可打开EQ模块独立使用。
11、用户可使用官方电脑软件一键导入/导出预设。
注意：需要通入软件才能调节和保存音量（0~100），进入电源软件可以恢复出厂设置。



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①**电源接口：**使用9V1A直流变压器（内负外正）。
②**USB接口：**支持5V供电，建议使用5V 1A适配器。
③**耳机接口：**支持连接3.5mm耳机使用。
④**LOW CUT旋钮：**调节全局低频剪切的频点，整体调节32个预设的响应音色。剪切范围20HZ~360HZ（逆时针旋转旋钮到尽头为20HZ，即20HZ以下低频被切掉。顺时针旋转旋钮到尽头为360HZ，即360HZ以下低频被切掉。）
⑤**HI CUT旋钮：**调节全局高频剪切的频点，整体调节32个预设的输出音色。剪切范围18kHZ~1kHZ（逆时针旋转旋钮到尽头为18kHZ，即18kHZ以上高频被切掉；顺时针旋转旋钮到尽头为1kHZ，即1kHZ以上高频被切掉。）
⑥**VOL旋钮：**调节IR BOX的总输出音量，通过USB输入的外部音频音量不可控。
⑦**左按键：**向前选择预设。同时按住左&右键可进入BYPASS状态。
⑧**右按键：**向后选择预设。同时按住左&右键可进入BYPASS状态。
⑨**显示屏幕：**显示当前预设（01~32）的编号或者BYPASS状态（屏幕上显示bp）。
⑩**输入接口：**1/4"单声道音频输入接口。
⑪**输出接口：**1/4"单声道音频输出接口。
⑫**平衡输出接口：**XLRbalance卡农输出接口。

预设介绍 CN

	声音	规格
1	基于TweedDeluxe Celestion Blue~TAB57~CapEdge	2X12
2	基于ShowmanD130s~TAB57~Cap	2X12
3	基于JC120~RolandT2s~U47~Cap	2X12
4	基于Marshall1960B~V30s~C414~Cap	4X12
5	基于Marshall Basketweave Celestion~G12L~TAB57~Cap	4X12
6	基于Marshall1960B~T75s~U47~Cap	4X12
7	基于Marshall1960B~V30s~TAB57~Cap	4X12
8	基于Marshall Basketweave Celestion~G12H30s~U47~Cap	4X12
9	基于BOGNER Uberkab~T75V30~TAB57~Cap	4X12
10	基于ENGL ProV30s~TAB57~Cap	4X12
11	基于PEAVEY 5150~Sheffield1200s~TAB57~Cap	4X12
12	基于TwinD120s~U87~Cap	2X12
13	基于TwinJensenC12N~KM84~Cap	2X12
14	基于VoxAC30S1vers~SM57~Cap	2X12
15	基于VoxAC30S1vers~U87~Cap	2X12
16	基于TwinD120s~TAB57~CapOffAxis	2X12
17	基于ShowmanD130s~U47~Cap	2X12
18	基于OrangeAs12~V30s~C414~Cap	4X12
19	基于DiezelV30~SM57~Cap	4X12
20	基于Mesa Boogie~U87~Cap	4X12
21	基于Electrovoice~C414~Cap	4X12
22	基于R rimental~TAB57~Cap	4X12
23	基于1X15 Supro Thunderbolt S6420 Jensen15"~TAB57~Cap	1X15
24	基于Matchless ES212 Celestion~G12H30~TAB57~Cap	2X12
25	基于MesaRectifierV30s~TAB57~Cap	4X12
26	基于Jensen 10 A050 CIF sx（BASS）	4X10
27	基于Studio 22 441 Edge 48s（BASS）	4X10
28	基于Ampeg SVT~410HE（BAS）	4X10
29	基于Aguilar DB35（BASS）	4X10
30	基于TPS PV 421 610（BASS）	4X10
31	基于EDEN E300（BASS）	4X10
32	基于Work 15 4050（BASS）	4X10

注意：在出厂状态下，所有的预设都只打开IR模块，默认状态下关闭模块于未开启状态。如用户需要开启和保存功能参数到本机，请进入APP或连接电脑进行操作。
本产品支持在关闭IR模块的情况下打开EQ模块独立使用。

软件支持 CN

■ **软件支持:**
手机端Android/iOS下载APP: 扫描二维码下载

■ **电脑直接方法:** 使用USB连接线直接电脑，即可连接电脑软件CUBESUITE进行操作。

■ **手机APP连接方法:** 手机搜索应用CUBESUITE进行下载安装，进入软件界面后点击"扫描附近设备"，选择"IR-BOX"，点击"配对"，即载成功后即可使用。

注意：仅支持BT无线连接APP，不支持BT音频传输。

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技术参数 CN

输入阻抗	1MΩ		
麦克风输出	1/4 "TS 接口	阻抗	1kΩ
平衡输出	XLR 接口	阻抗	1kΩ
耳机输出	1/8 "立体声输出(TRS)	阻抗	22Ω
电源供电1	DC9V±300mA		
电源供电2	USB5V±300mA		
工作电流	9V 80mA ， 5V 120mA		
附件	USB-C数据线		
尺寸	90L)X50(W)X45(H)mm		
重量	155g		
修订	2024年6月20日		

我们将不断改进我们的产品并保留修改其最功能和规格(包括但不限于外观，包装设计，操作手册，配件，尺寸，规格参数，显示屏等)的权利,恕不另行通知。
购买前请咨询当地经销商确认产品功能及规格。产品图片及颜色因拍照光线误差及屏幕设置可能与实物产品效果有所差异。请以实物为准。

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IR BOX_中英文说明书------中性						备注
版本	V05	比例	1:1	日期	2024-06-20	1.英文封面作为封面 2.产品特性的第八点 20HZ-18KHZ改为30HZ-18KHZ 3.FCC变更，排版有小修改，页数减少2P
设计	李丽华	印刷	黑白印刷	尺寸	60x85mm	
材质	80克书纸	工艺	风琴折			
审核	严子铭			公司	珠海笙科智能科技有限公司	