JOYO
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CAB BOX
— CAB SIM & IR LOADER —

REVOLUTION series
Speaker Cabinet Simulator

Thank you for purchasing this product!

In order to use this product properly and safely, please read this owner's manual carefully before operating this product, and keep it for future reference.

I.Product introduction:

CAB BOX is a professional cabinet simulator. It features 20 stunning cabinet simulators, besides, it offers many classic microphones and power amp modes. R-08 is versatile and a perfect choice for performance, recording and connect headphones for practice quietly.

II.Parameters:

● 20 high quality cabinet models.
● 11 classic microphone models.
● 4 tube power amp simulations.
● Custom configurable graphics/parametric EQ.
● Supports loading third party IRs, offering 10 IR loading locations.
● 32 tones can be preset.
● 128 tones store locations are available.
● Can connect to the PC through the USB, and use the matching software to edit tones and update firmware, load or delete third party IRs.
● Independent headphones output and Line output, balanced output and True Bypass Signal Output Jack.

III.IR sample info:

● IR file format: WAV
● Sampling accuracy: 24bit(supports 16/24/32 third party IR files)
● Sample rate: 44.1KHz(supports full sample rate third party IR load)
● Sampling length: 1024pts

IV.Specifications:

● Dimensions：130*110*50mm
● Weight：418g
● Input：6.35mm mono plug
● Output：6.35mm mono plug
   XLR balanced plug
   3.5mm stereo plug
● Input Impedance：2.2MΩ
● Output Impedance：470Ω
● XLR Output Impedance：470Ω
● Headphones Impedance：32Ω
● Working current：300mA
● Working Voltage：DC 9V（Center minus）

V.Panel:
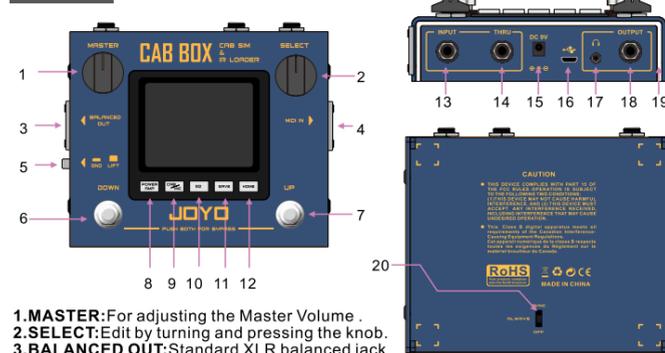
**1.MASTER:** For adjusting the Master Volume .
2.SELECT: Edit by turning and pressing the knob.
3.BALANCED OUT: Standard XLR balanced jack, You can connect R08 to the MIXER by this jack.
4.MIDI IN: Standard MIDI Input Jack, can connect with pedal controller. R-08 has 128 tone store positions, those 128 positions are also the sequence of MIDI program change, so you just need to ensure the sequence of corresponding MIDI program change is the same as the MIDI controller, long press the HOME button and then you can choose MIDI channel.
5.GND LIFT: This switch selects whether the XLR is grounded or not.
6.DOWN: Heel down the footswitch and switch the PRESET tone.
7.UP: Toe down the footswitch and switch the PRESET tone.
8.Power AMP: Press the knob and enter power amp modulation edit interface.
9.CAB/MIC: Press the knob and enter cabinet and microphone edit interface.
10.EQ: Press the button and enter EQ parameter edit interface.
11.SAVE: Press the button and enter store and edit interface.
12.HOME: 1 Press the button and return to PRESET main interface. 2 Press and hold it for 2 seconds and enter MIDI channel selection interface.
13.INPUT: Signal input connects to the effect pedals, Preamp Output through 1/4" signal cable.
14.THRU: True Bypass signal output(used for guitar amp on stage, or other devices don't need cabinet simulation signal).
15.DC 9V: Please connect DC 9V center minus power to this input.
16.Micro USB: Can connect to PC and edit tones by software, load third party IR and firmware update.
17.Headphones: Stereo headphones output.
18.OUTPUT: Cable output connects to sound card/mixer, use 1/4" signal wire to get unbalanced output.
19.Ambience light: Please refer to number 20 to set up ambience light mode.
20.Ambience control switch
   SYNC mode—the ambience light is green light when the footswitch is turned on, the ambience light goes off when the footswitch is turned off.
   ALWAYS mode—the ambience light is in green.
   OFF mode—the ambience light is off.

VI.How to connect ?

①

②

③
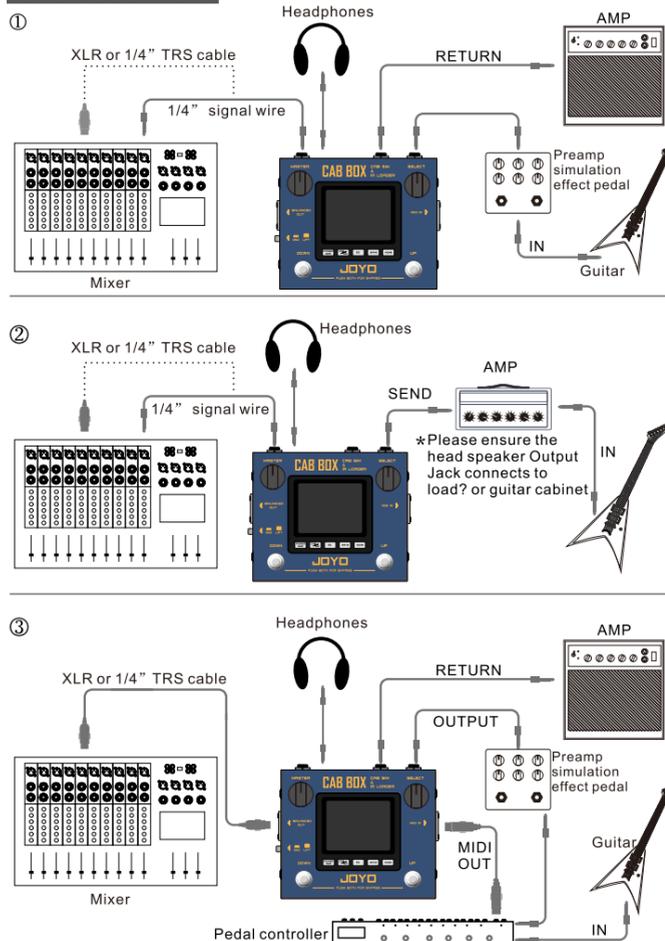
VI.PRESET interface:

1.PRESET number.
2.Cabinet model's name and speaker's size.
3.POWER AMP ON/OFF status display.
4.Cabinet ON/OFF status display.
5.EQ ON/OFF status display.
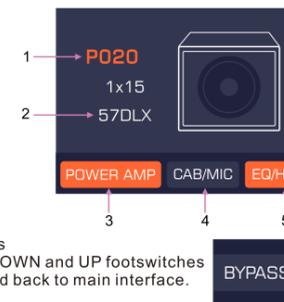
● Turn the SELECT knob and switch the preset tones.
● Turn the MASTER knob and adjust the Volume.
● Press both of the DOWN and UP footswitches and you can enter Bypass mode, press the DOWN and UP footswitches again and you can exit from Bypass mode and back to main interface.

VII.Edit the tones:

The corresponding edit interfaces for the 5 functions

POWER AMP BUTTON: Tap the POWER AMP button and enter POWER AMP modulation edit interface.
CAB/MIC BUTTON: Tap the CAB/MIC button and enter CAB/MIC edit interface.
EQ BUTTON: Tap the EQ button and enter EQ edit interface.
SAVE BUTTON: Tap the SAVE button and enter tone edit and save interface.
HOME BUTTON: ①Tap the HOME button and return to the main interface.
②Long press the HOME button and hold for 2 seconds, and enter MIDI channel selection interface.

POWER AMP EDIT

POWER AMP: Choose POWER AMP module's ON/OFF.
TUBE: Choose the type of POWER TUBE.
INPUT: For adjusting Input signal's Gain.
PRESENCE: Presence control.
OUTPUT: For adjusting the volume of POWER AMP output.
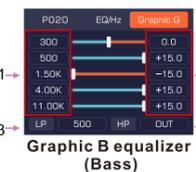
CAB/MIC edit

CAB: CAB/MIC module's ON/OFF.
MODEL: Choose the cabinet's model.
MIC: Choose the type of microphone.
MIC VOL: For adjusting MIC Volume's Gain.
C-EDGE: For adjusting MIC's pickup excentricity(0-enter of the speaker 30-edge of the speaker's cone).
DISTANCE: For adjusting the distance between the MIC and cabinet(0-adjacent to the cabinet 50- far from the cabinet).

EQ edit
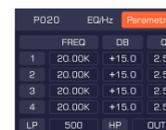R-08 contains 3 different post EQ modules
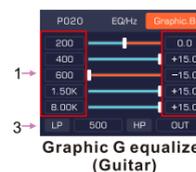

Graphic G equalizer (Guitar)   **Graphic B equalizer (Bass)**

1.EQ/Hz each EQ's frequency can be cu stomized in a certain range.
2.GAIN For adjusting frequency's Gain/A ttenuation.
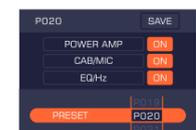3. LP Low-pass filtering.
4. HP High-pass filtering.

Parametric equalizer
FREQ: Each EQ's frequency can be set up as you like.
DB: For adjusting frequency's Gain/Attenuation.
Q: For adjusting the Q value of frequency.
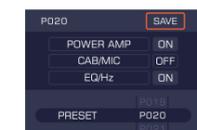HP: High-pass filtering.
LP: Low-pass filtering.

SAVE edit
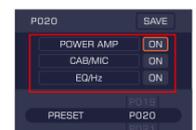
Use SELECT knob to turn on or turn off the related module

Choose the number you want to save in the column of PRESET

Choose SAVE to save and exit

MIDI channel selection

● Long press the HOME button and enter MIDI channel selection interface
● Turn the SELECT knob and edit MIDI channel's operating info

VIII.USB

You can have access to expanded edit functions by connecting R-08 to the PC through Micro USB.
● PRESET controller can import/export tone files.
● Edit PRESET parameters quickly and conveniently.
● Load the third party IR cabinet modulations.

★You can have access to R-08's edit software from www.joyoaudio.com，please proceed according to the instructions.

IX.CAB model

Model number	Inspired by
Vib.Silver 1x8	Fender Vibro Champ Silverface
Prince.Rev 1x10	Fender 65' Princeton Reverb
57 Tweed 1x12	Fender 57 Tweed Deluxe
Ac15 1x12	Vox AC15 C1
67 Twin 2x12	Fender 67'Twin Reverb Blackface
Madchless 2x12	Matchless Chieftain
AC30.Blue 2x12	Vox V212H Alnico Blue
64 Super 4x10	Fender 64' Super Reverb
BigMan 4x10	Fender 69' Bassman Tweed
1960A.Gre 4x12	Marshall 1960A Green Back
1960B.V30 4x12	Marshall 1960B V30
JuicePPC 4x12	Orange PPC412
Sodano L 4x12	Soldano 4x12 Lucky
Recto S 4x12	Mesa Boogie Recto Standard
Recto T 4x12	Mesa Boogie Recto Traditional
Die2al V30 4x12	Diezel Rearloaded V30
Die2al G12 4x12	Diezel Rearloaded G12-65 Heritage
Ampg SVT 1x15	Ampeg SVT 15E
Ampg SVT 4x10	Ampeg SVT 410HE
Ampg SVT 8x10	Ampeg SVT 810E

Note: The mentioned manufacturers and product names in the lists are trademarks or registered trademarks of the respective owners. The trademarks were used merely to identify the analog genres of tones for this product.

XI.MIC model

Model number	Inspired by
SM57	Shure SM 57 Dynamic
SM58	Shure SM 58 Dynamic
MD421	Sennheiser MD 421 Dynamic
MD441	Sennheiser MD 441U Dynamic
U47	Neumann U47
U87	Neumann U87
RODENT1	Rode NT-1
MXL2001P	Marshall MXL 2001P
MXL2003	Marshall MXL 2003
C3000	AKG C3000
C4000B	AKG C4000B

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REVOLUTION series
Speaker Cabinet Simulator

感谢购买我们的产品!

请详细阅读本使用说明书和保管好本说明书以供必要时查阅。

为了您的安全和能更快地熟练使用产品,使用前请先详细阅读并理解本说明书中所有的安全与使用说明。本说明书内容仅用于使用说明,可能与实际操作本产品时有所不同。谢谢!

产品介绍

CAB BOX是一款专业箱体模拟产品。搭载了20款出色的箱体模型,并且提供多款经典的话筒以及后级电子管模型选择。不论演出、录音还是插上耳机安静练习,R-08都为您的效果器设备提供了一套完善可靠的解决方案。

性能概述

● 20款优秀的箱体模型。
● 11款经典话筒模型。
● 4款电子管后级模拟。
● 可自定义调节的图形/参量式EQ。
● 支持先载第三方IR,提供10个IR加载位置。
● 提供32个预置音色。

● 128个音色储存位置。
● 可通过USB连接电脑,使用配套软件编辑音色以及固件更新、加载删除第三方IR文件。
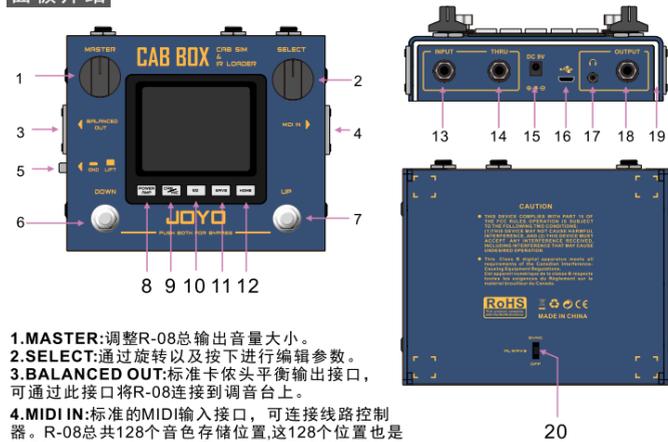● 独立的耳机以及线性输出、平衡输出和直通信号输出。

IR采样信息

● IR文件格式为:WAV
● 采样精度:24bit(支持16/24/32位第三方IR文件)
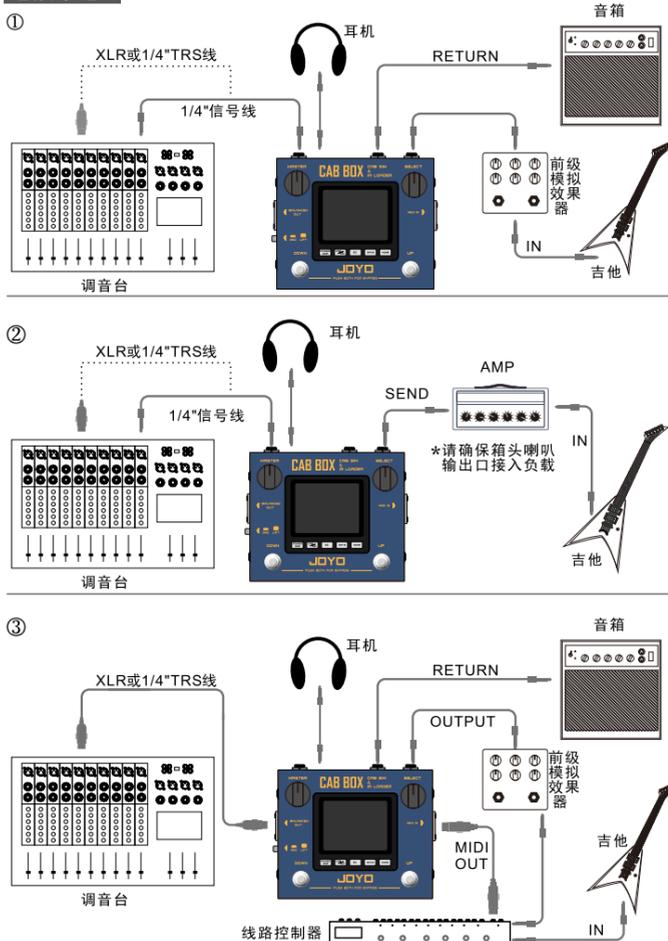● 采样率:44.1KHz(支持全采样率第三方IR导入)
● 采样长度:1024pts

规格参数

● 尺寸:130*110*50mm
● 重量:418g
● 输入:6.35mm单声道插座
● 输出:6.35mm单声道插座
    XLR 平衡插座
    3.5mm 立体声插座
● 输入阻抗:2.2MΩ
● 输出阻抗:470Ω
● XLR输出阻抗:470Ω
● 耳机阻抗:32Ω
● 工作电流:300mA
● 工作电压:DC 9V(外正内负)

面板介绍

1. **MASTER:**调整R-08总输出音量大小。
2. **SELECT:**通过旋转以及按下进行编辑参数。
3. **BALANCED OUT:**标准卡侬头平衡输出接口,可通过此接口将R-08连接到调音台上。
4. **MIDI IN:**标准的MIDI输入接口,可连接线路控制器。R-08总共128个音色存储位置,这128个位置也是MIDI program changed的序列,您只需将MIDI控制设备设置与之对应的MIDI program change序列一致即可控制R-08 长按Home键可选择MIDI通道。
5. **GND LIFT:**该开关可选择卡侬头是否接地。
6. **DOWN:**向后切换PRESET音色。
7. **UP:**向前切换PRESET音色。
8. **POWER AMP:**按下按钮进入后级模拟编辑界面。
9. **CAB/MIC:**按下按钮进入箱体和话筒编辑界面。
10. **EQ:**按下按钮进入EQ参数编辑界面。
11. **SAVE:**按下按钮进入储存编辑界面。
12. **HOME:**
① 按下按钮回到PRESET主界面。
② 长按两秒则进入MIDI通道选择界面。
13. **INPUT:**信号通过1/4"信号线连接效果器、前级输出口。
14. **THRU:**直通信号输出(用于舞台吉他音箱,或其他不需要箱体模拟信号的设备。)
15. **DC 9V:**连接DC 9V电源(外正内负)。
16. **MICRO USB:**可连接电脑通过配套软件进行音色编辑、加载第三方IR以及固件更新。
17. **耳机:**1/8"立体声耳机输出。
18. **OUTPUT:**线性输出连接声卡/调音台,使用1/4"信号线实现非平衡输出也可使用。
19. **氛围灯:**请参考20来设置氛围灯模式。
20. **氛围灯控制开关:**
·SYNC模式--当踩钉开关开启时,氛围灯为绿色灯,踩钉开关关闭时,氛围灯不亮。
·ALWAYS模式--氛围灯为常亮绿色灯。
·OFF模式--氛围灯不亮。

连接示意

①
XLR或1/4"TRS线
耳机
RETURN
1/4"信号线
音箱
调音台
前级模拟效果器
吉他
IN

②
XLR或1/4"TRS线
耳机
1/4"信号线
AMP
SEND
IN
吉他
调音台
*请确保箱头喇叭输出口接入负载

③
XLR或1/4"TRS线
耳机
RETURN
OUTPUT
音箱
前级模拟效果器
吉他
MIDI OUT
IN
调音台
线路控制器

PRESET页面

P020
1x15
57DLX
POWER AMP | CAB/MIC | EQ/Hz
3 | 4 | 5

1. PRESET编号
2. 箱体模型名称及喇叭尺寸
3. 后级开/关状态显示
4. 箱体开/关状态显示
5. EQ开/关状态显示

● 旋转SELECT旋钮循环切换预置音色。
● 旋转MASTER旋钮调整音量大小。
● 同时按下DOWN和UP踩钉,进入Bypass模式,再次按下DOWN和UP踩钉可退出Bypass模式回到主界面。

BYPASS

音色编辑

五个功能按键对应的编辑界面

POWER AMP | CAB/MIC | EQ | SAVE | HOME

POWER AMP按键:点击POWER AMP按键,进入后级电子管模拟编辑界面。
CAB/MIC按键:点击CAB/MIC按键,进入箱体/麦克风编辑界面。
EQ按键: 点击EQ按键,进入EQ编辑界面。
SAVE按键: 点击SAVE按键,进入音色编辑储存界面。
HOME按键:① 点击HOME按键返回主界面。
② 长按两秒HOME按键则进入MIDI通道选择界面。

POWER AMP编辑

POWER AMP | ON
TUBE | EL 34
INPUT | PRESENCE | OUTPUT

POWER AMP:选择POWER AMP模块的开/关
TUBE:后级管类型选择
INPUT:调整输入信号的增益
PRESENCE:临场度调节
OUTPUT:后级输出音量调节

CAB/MIC编辑

P020 | CAB/MIC | ON
MODEL | 10.Twinverb.B 2x12
MIC | MXL2003
MIC VOL | +15 | C-EDGE | 30 | DISTANCE | 50
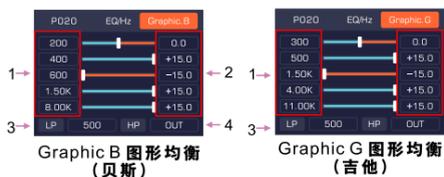
CAB:CAB/MIC模块的开/关
MODEL:箱体型号选择
MIC:话筒型号选择
MIC VOL:话筒音量增益调节
C-EDGE:话筒拾音偏心距调节(0-喇叭锥体中心30-喇叭纸盆边缘)
DISTANCE:话筒与箱体之间的距离调节(0-紧挨箱体50-远离箱体)

EQ编辑
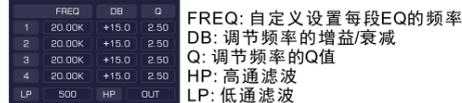**R-08包含三种不同的后置EQ模块**

P020 | EQ/Hz | Graphic B
200 | +15.0
400 | +15.0
600 | +15.0
1.50K | +15.0
8.00K | +15.0
200 | 500 | HP | OUT

P020 | EQ/Hz | Graphic G
300 | 0.0
600 | +15.0
1.50K | -15.0
4.00K | -15.0
11.00K | +15.0
300 | 500 | HP | OUT

1. EQ/Hz 可在一定范围内自定义每段EQ的频率
2. GAIN调节频率的增益/衰减
3. LP 低通滤波
4. HP 高通滤波

Graphic B 图形均衡
(贝斯)

Graphic G 图形均衡
(吉他)

P020 | EQ/Hz | Parametric

	FREQ	DB	Q
1	20.0K	+15.0	2.50
2	20.0K	+15.0	2.50
3	20.0K	+15.0	2.50
4	20.0K	+15.0	2.50
LP	500	HP	OUT

Parametric 参量均衡

FREQ: 自定义设置每段EQ的频率
DB: 调节频率的增益/衰减
Q: 调节频率的Q值
HP: 高通滤波
LP: 低通滤波

SAVE编辑

P020 | SAVE
POWER AMP | ON
CAB/MIC | ON
EQ/Hz | ON
PRESET | P020

P020 | SAVE
POWER AMP | ON
CAB/MIC | ON
EQ/Hz | ON
PRESET | P020

P020 | SAVE
POWER AMP | ON
CAB/MIC | OFF
EQ/Hz | ON
PRESET | P020

使用SELECT旋钮开启或关闭相应模块

在PRESET一栏选择要保存的编号

选择SAVE保存并退出

MIDI通道选择

MIDI CHANNEL
MIDI CHANNEL | OMNI

长按HOME按键进入MIDI通道选择界面。旋转SELECT旋钮编辑MIDI通道控制信息。

USB

R-08可通过MICRO USB连接电脑获得更多扩展编辑功能。
● PRESET管理可输入/导出预置音色。
● 快速方便地编辑PRESET参数。
● 加载第三方IR箱体模型。

★ R-08编辑软件可从WWW.JOYOCHINA.CN获得,按照提示进行操作。

CAB BOX
POWER AMP | ON
TUBE | 6V6
INPUT | 0.0
PRESENCE | 0.0
OUTPUT | 0.0
PRESET | U-1

CAB模型

型号	基于
Vib.Silver 1x8	Fender Vibro Champ Silverface
Prince.Rev 1x10	Fender 65' Princeton Reverb
57 Tweed 1x12	Fender 57 Tweed Deluxe
Ac15 1x12	Vox AC15 C1
67 Twin 2x12	Fender 67'Twin Reverb Blackface
Madchless 2x12	Matchless Chieftain
AC30.Blue 2x12	Vox V212H Alnico Blue
64 Super 4x10	Fender 64' Super Reverb
BigMan 4x10	Fender 69' Bassman Tweed
1960A.Gre 4x12	Marshall 1960A Green Back
1960B.V30 4x12	Marshall 1960B V30
JuicePPC 4x12	Orange PPC412
Sodano L 4x12	Soldano 4x12 Lucky
Recto S 4x12	Mesa Boogie Recto Standard
Recto T 4x12	Mesa Boogie Recto Traditional
Die2al V30 4x12	Diezel Rearloaded V30
Die2al G12 4x12	Diezel Rearloaded G12-65 Heritage
Ampg SVT 1x15	Ampeg SVT 15E
Ampg SVT 4x10	Ampeg SVT 410HE
Ampg SVT 8x10	Ampeg SVT 810E

*注:列表中所涉及厂商及产品名称为其各自公司所有,此处仅为用于说明本产品中模拟的效果音色类型。

MIC模型

型号	基于
SM57	Shure SM 57 Dynamic
SM58	Shure SM 58 Dynamic
MD421	Sennheiser MD 421 Dynamic
MD441	Sennheiser MD 441U Dynamic
U47	Neumann U47
U87	Neumann U87
RODENT1	Rode NT-1
MXL2001P	Marshall MXL 2001P
MXL2003	Marshall MXL 2003
C3000	AKG C3000
C4000B	AKG C4000B

*注:列表中所涉及厂商及产品名称为其各自公司所有,此处仅为用于说明本产品中模拟的效果音色类型。