

英文

USER MANUAL CUBE-BABY

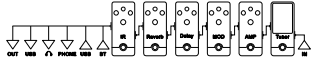
CUBE BABY is a portable and multifunctional guitar effector. It has 3 editable presets. The user also can customize effectors chain and save. CUBE BABY has built-in battery with 9 Preamp selection slots, Chorus, Phaser, Delay, Reverb, 8 IR CAB slots and a Tuner. Beside, it support mobile phone recording jack, BT and computer sound card. It integrates a variety of functions in a easy-carry and it has excellent sound, could be a good partner of your guitar.

The Power Supply

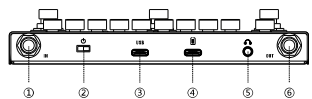
- It is equipped with built-in battery for power supply which can last for 6 hours after full charge.
- It can charge with the 5V adapter or the power bank.
- When the battery run low, you can use the DC 5V/2A adapter, you need 2 hours to fully charge the battery.

Effectors Chain

Tuner → Preamp → Phaser/Chorus → Delay → Reverb → IR CAB



II. Rear panel

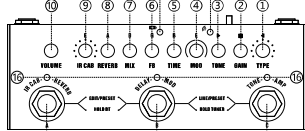


- 1. 1/4" MONO audio input jack.
- Power switch.
- USB jack: Use to charge the battery/the CUBE BABY can be sound card of computer/you can edit 3 groups of presets on computer/you can output the IR on computer.
- Audio output jack: It support mobile phone recording.
- Earphone output.
- 1/4" MONO audio output jack.

-EN 01-

74.00

III. Front panel



- TYPE: 9 Preamp selection slots.
- GAIN: Gain knob.
- TONE: Tone Brightness knob.
- MOD: CHORUS/PHASER.
- TIME: Adjust feedback speed of echo repeats of delay.
- FB: Adjust the number of echo repeats of delay.
- MIX: Adjust the ratio of wet and dry of reverb.
- REVERB: Adjust the ratio of wet and dry of reverb.
- IR CAB: 8 IR CAB slots.
- VOLUME: Volume knob.

IV. Effectors module

Attention: Please make sure that CUBE BABY is in LIVE mode, then you can listening-test the 1-5 items of effectors below.

1. PREAMP

- TYPE knob: Select the types of Preamp, there are 9 different types, please look at the list.
- GAIN knob: Adjust the gain.
- TONE knob: Adjust the brightness.

- MOD knob: The left half circle is used for CHORUS, the right half circle is used for PHASER. When the knob is at middle the indicator turned off, it means the MOD has been turned off.

-EN 02-

3. DELAY

- TIME knob: Adjust feedback speed of echo repeats of delay.
- MIX knob: Adjust the ratio of wet and dry of delay. When the knob is set to the far left the MIX indicator turned off, it means the DELAY has been turned off and these three indicators of DELAY have been turned off at same time.

4. REVERB

- REVERB knob: Adjust the ratio of wet and dry of reverb. When the knob is set to the far left the indicator turning off, it means the REVERB has been turned off.

5. IR CAB

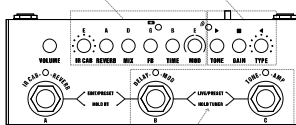
- IR CAB knob: Select the types of IR CAB. A total of 9 slots, the first slot means the IR has been turned off, the 2-9 slots are 8 types of IR CAB.

SLOT NAME	CAB TYPES
1 Based on The IR CAB has been turned off	None
2 Based on Line 6 Vetta	1X12
3 Based on Marshall 1960A	4X12
4 Based on Marshall 1960A T75 Lx10	4X12
5 Based on VHT Delverance	2X12
6 Based on Soldano	4X12
7 Based on Peavey 5150 + Mesa Overized	2X12
8 Based on JSK KIT77 + Mesa Siletto AKG C1000	4X12
9 Based on Diezel V30 SM57 (Soldano HR PowerAmp)	4X12

- You can import the IR files to CUBE BABY on computer, the previous IR will be overwritten with the current IR.

6. TUNER

- In TUNER mode, when you turning the string, these three knobs show the pitch.
- The indicator lighting up means the string is pitching too low.
- The indicator lighting up means the string is at the correct pitch.
- The indicator lighting up means the string is pitching too high.



Press and hold the B+C footswitch at the same time for 2 seconds to enter TUNER mode.

-EN 03-

7. BT

- This product supports BT, you can press and hold the "A+B" footswitch at the same time for 2 seconds to turn on/off BT. When the indicator lighting up, it means the BT has been connected, then your phone can play music to the CUBE BABY. When the indicator flashing blue, it means that BT is turning on, but not in connection.

8. Mobile Phone recording

- This product supports phone recording function, you can use the recording cable to connect the Phone and CUBE BABY. Then you can use your Phone to get a high quality recording.

VLIVE/PRESET/EDIT Mode

- CUBE BABY has three operation modes. LIVE mode is real-time performance mode. EDIT mode is use for edit the three presets. PRESET mode is the most common state for performance. The initial power-on default enters PRESET mode, tap the combination nail "B+C" for LIVE mode or tap the combination nail "A+B" for EDIT mode.

- PRESET mode is the most normal playing state, you can use LIVE or EDIT to edit and save three presets. Then three presets can be used by free footswitches conveniently in PRESET mode.

- In LIVE mode, visual operations can be performed, knob timbre effect is what you see is what you get. It is suitable for you to customize a effects chain. You can use the knobs to improve the timbre when you performing.

- In EDIT mode, you can fine-tune and edit 3 groups of presets, better for contrast with other preset tones.

A. Function Introduction of PRESET mode.

PRESETS	EFFECTORS CHAIN	TYPE
A Footswitch	Wo Stone Coral OD+DELAY+REVERB+VHT Delverance 2x12	Distortion
B Footswitch	Call JP A+DELAY+REVERB+Soldano 2x12 V30	Overdrive
C Footswitch	US Gold 100 Clean+MOD: CHORUS+DELAY+REVERB+Marshall 1960A T75 Lx10	Clean

- PRESET mode the VOLUME knob is the final output volume value, you can listen and use the three PRESETS in real time, but you cannot use knobs to edit timbre. The A/B/C footswitches represent 3 PRESETS. When the PRESET had been selected, the corresponding footswitch-indicator lighting on. If all three indicators are off the device is in Bypass.

B. Function Introduction of LIVE mode.

- When enter LIVE mode, the default final output volume value in this mode is 80%. The VOLUME knob is use for adjust the level of current effectors chain.

-EN 04-

- In LIVE mode, the A/B/C footswitch can use to open/close the corresponding effect module, the corresponding footswitch-indicator light is flashing, went off. Users can customize the effectors chain, then press and hold the A/B/C to save.

- In LIVE mode, the knob lights have only 2 states: lighting on/off. If the knob light is off, it means that the effect of this knob is not on. If the knob light is on, it means that the effect has been turned on, but the knob timbre effect is what you see is what you get.

C. Function Introduction of EDIT mode.

- Switch to EDIT mode when you tap A+B, the machine will retain the data in the corresponding knobs before switching.

- In EDIT mode, the machine always retain the output volume value before switching to EDIT.

- The knob lights have only 3 states: lighting on/off, flashing. If the knob light is off, it means that the effect of this knob is not on. If the knob light is on, it means that the effect has been turned on, and the knob timbre effect is what you see is what you get. If the knob light flashing, it means that the effect has been turned on, but the knob timbre what you get is different from what you see.

- After you turn the knob, the flashing knob light will become lighting on. The previously data will be overwritten with the current knob value. When the knob light is lighting on, the knob timbre effect is what you see is what you get.

- In EDIT mode, the machine always retain the output volume value before switching the VOLUME knob is use for adjust the level of current effectors chain.

- After editing the effectors chain, then switch to PRESET mode, the VOLUME knob become the final output volume value. Therefore, it is recommended that after exiting EDIT mode, users immediately turn the volume knob to the position before entering EDIT mode. So that you can restore the output volume value of the previous performing.

- In EDIT mode, the A/B/C footswitch can use for opening/closing the corresponding effect module, the corresponding footswitch-indicator light is flashing, went off. Users can fine-tune and edit 3 groups of PRESETS, then press and hold the A/B/C to save.

VI. How to customize a effectors chain

Let's try to customize a effectors chain similar to Preset "A".

- When CUBE-BABY is turned on, tap the "B+C" to enter the LIVE mode. Then you need to turn off all the effectors, so that all the knob indicators had been turned off (except the VOLUME knob). Next step, you can turn the VOLUME knob to the value you like.
- Tap the C footswitch to turn on the TONE+AMP module. Turn the TYPE knob to the 1st slot, as we had select the "Wo Stone Coral OD" type. Then turn the PRESET had been selected, the corresponding footswitch-indicator lighting on. If all three indicators are off the device is in Bypass.
- Tap the B footswitch to turn on the MOD+DELAY module. We don't need the MOD, so let's turn the MOD knob to the 12 o'clock position. Then let's turn the MIX knob to 10 o'clock position to turn on the DELAY effector. Next step, turn the FB knob to 11 o'clock position, turn the TIME knob to 3 o'clock position.
- Tap the A footswitch to turn on the IR CAB+REVERB module. Turn the REVERB knob to 10 o'clock position, then turn the IR CAB knob to the 5th slot, as we had select the "VHT Delverance".

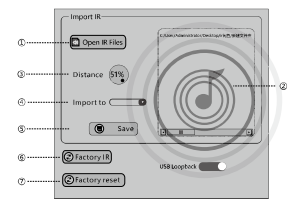
-EN 05-

- Then let's adjust the level of current effectors chain, turn the VOLUME knob to the value you like.
- At this time, we had customized a effectors chain, then let's press and hold the A footswitch for 2 second to save it to PRESET A.
- Let's tap the "B+C" to enter the PRESET mode. You can use the new PRESET A now.

VII. The software interface

1. IR EDITOR

- IR file searching button, you can use it to find the IR on your computer.
- IR files display interface, here is the IR files you had selected, you can click and listen it.
- Microphone to speaker simulator, you can adjust the distance of microphone to speaker. When the distance closer, the sound louder, when the distance farther, the sound lower. So what you need to attention is when the distance is 100%, you couldn't hear the voice.
- If saving location, you can use it to select the 1-8 location of IR slots of CUBE BABY.
- Save button, click this button to save.
- The Factory reset option.
- Click this button to Factory reset the parameters of 3 PRESETS.

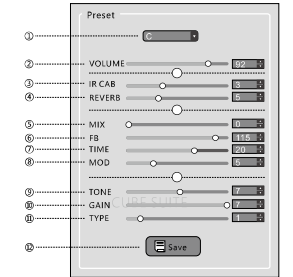


2. PRESETS PARAMETERS EDITOR

- Select the Preset you need to edit. At this time, if the software and CUBE BABY are in the same Preset, you can hear the real-time sound of editing.
- Adjust the level of current effectors chain.
- Adjust the IR CAB.
- Adjust the REVERB.
- Adjust the ratio of wet and dry of DELAY.
- Adjust the number of echo repeats of DELAY.
- Adjust feedback speed of echo repeats of DELAY.

-EN 06-

- MOD effector editor: 0-6 is use to edit the CHORUS, 7-8 is use to turn off MOD, 9-15 is use to edit the PHASER.
- Adjust the brightness.
- Adjust the gain.
- Select the types of Preamp.
- Save button: click this button to save the PRESET.



VIII. Technical parameters

Input	Standard 1/4" jack MONO/TS
Output	Standard 1/4" jack MONO/TS
Sample rate	48KHz/24bit
Battery Model/Type	603040
Battery capacity	780mah
Battery Nominal Voltage	3.7V
Size	161(L)X57(W)X17.5(H)mm
Weight	260g
Attachment	Instruction, Charging cable, Recording cable

-EN 07-

IX. FCC Warning Statement

- 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 outlet 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 operation without restriction.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

中文

多功能吉他效果器说明书 CUBE-BABY

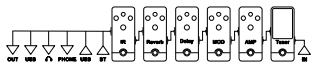
CUBE-BABY是一款便携式多功能吉他效果器。CUBE-BABY拥有三组出厂音色。用户可自定义音色进行重复保存，也可以对预置音色进行编辑和保护。本效果器内置蓄电池，解决了长期供电的问题。CUBE-BABY具备9种经典的编头模拟。两种延迟效果(合唱、相移)。一种延时、一种调制。9种经典的混响模拟以及一个高精度的收音器。另外CUBE-BABY还带有手机录音功能、可连接电脑录音及电脑声卡功能。多种功能效果集于一身，体积小、性能佳、便于携带且音色优秀！是您不错的选择。

电源供应

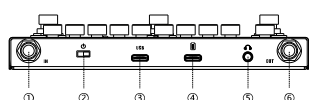
- 本机设有内置蓄电池，满电状态下可连续使用6小时。
- 可直接使用手机充电器或充电宝为本设备进行供电。本设备支持充电时用进行。
- 设备充电时长期处于充电电压器的输出功率，以输出功率为DC5.0V/2.0A的充电器为例，在本设备内置电池耗尽的状态下进行充电，2小时可以充满。

一. CUBE-BABY的效果模块连接

调音器→编头模拟→相移/合唱→延时效果→调制效果→混响模块。



二. 后面板功能图解

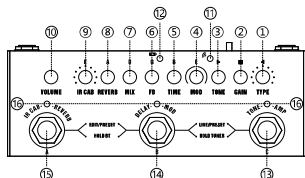


- IN: 连接信号输入。
- 电源开关。
- USB接口: 充电/电脑声卡/支持电脑软件编辑预置音色及导入文件。
- 手机接口: 用于手机录音。
- 耳机输出: 连接耳机。
- OUT: 连接音箱或监听。

-CN 01-

74.00

三. 前面板功能图解



- TYPE: 编头音色选择按钮
- GAIN: 音色增益按钮
- TONE: 音色亮度按钮
- MOD: 合唱/相移效果按钮
- TIME: 延时时间速度按钮
- FB: 延时反馈量按钮
- MIX: 延时效果干湿比按钮
- REVERB: 混响效果干湿比按钮
- IR CAB: 箱体模拟选择按钮
- VOLUME: 输出音量增益按钮

四. 效果模块功能介绍

(注意: 请在LIVE模式试听以下1-5个模块的音色)

1. AMP编头模块

音色选择	旋钮档位	编头名称	音色类型
音色选择: 总共有9种音色。每调一档即切换一种音色。具体音色位置以右侧音色列表为准。	1	Based on Power-Zone Clean	清音
	2	Based on US Gold 100 Clean	清音
	3	Based on Two Stone Coral OD	过载
	4	Based on Doctor3 B	过载
	5	Based on Call JP A	过载
	6	Based on Day Tripper OD	失真
	7	Based on Shittcow Dist	失真
	8	Based on Wo Stone Coral OD	失真
	9	Based on Mr Smith Dist	失真

2. MOD模块

- MOD按钮: 左半圈为合唱效果，右半圈为相移效果。旋钮中间为关闭MOD模块。在关闭MOD模块时，MOD按钮指示灯熄灭。

3. DELAY模块

- TIME按钮: 调节延时时间速度。

-CN 02-

- FB按钮: 调节延时反馈量。
- MIX按钮: 调节延时干湿比。将MIX按钮旋至最左边为关闭延时模块。在关闭MIX按钮时，DELAY模块的三个旋钮同时熄灭。

4. REVERB模块

- REVERB按钮: 往右调节，混响量逐渐增大。把旋钮旋至最左边，REVERB效果关闭。

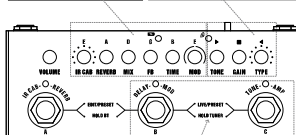
5. IR模块

- IR CAB按钮: 总共有8档。第一档为关闭档位。2至8档为8种不同规格的编头。下方为出厂预置按钮。

档位	编头名称	编头规格
1	关闭编头	无
2	Based on Line 6 Vetta	1X12
3	Based on Marshall 1960A	4X12
4	Based on Marshall 1960A T75 Lx10	4X12
5	Based on VHT Delverance	2X12
6	Based on Soldano	4X12
7	Based on Peavey 5150 + Mesa Overized	4X12
8	Based on JSK KIT77 + Mesa Siletto AKG C1000	4X12
9	Based on Diezel V30 SM57 (Soldano HR PowerAmp)	4X12

6. TUNER模块

- CUBE-BABY支持用户连接第三方IR。请通过电脑软件CUBESUITE导入第三方预编头文件和文件。用户可针对上方列表的编头位置导入第三方IR文件。
- 在TUNER模式下此旋钮对应为音准校准按钮。
- 旋钮亮起时表示此时音准偏低。
- 旋钮亮起时表示此时音准偏高。
- 旋钮亮起时表示此时音准准确。



长按B+C组合按钮进入TUNER模式。

-CN 03-

8. 手机录音功能

- CUBE-BABY支持手机录音功能。通过连接自带的内置音频线，将设备连接到手机/平板电脑进行连接。使用手机/平板电脑即可实现高品质录音。

5. LIVE/EDIT/EDIT模式

- CUBE-BABY有三种操作模式: LIVE为实时演奏模式, EDIT为编辑模式, PRESET为预置模式。开机默认进入PRESET模式。短按组合按钮 "B+C" 进入LIVE或PRESET模式的切换。短按组合按钮 "A+B" 短按切换PRESET模式。

- PRESET模式为最常规的演奏状态。利用LIVE或者EDIT进行编辑和保存后的三组音色。在PRESET模式下可用三个旋钮实现自由切换。灵活使用。

- LIVE模式可实现现场可视化操作。旋钮音色效果为所见即所得。适用于自定义音色。现场即兴调节音色参数。或者在现场复制3组参数的演奏。

- EDIT模式适用于编辑编辑3组音色参数。也适用于在演奏时的最终输出音量不变的情况下进行自定义音色。更利于与其他的预置音色进行对比。

A. PRESET模式功能介绍

预置位置	音色效果	音色
A按钮	Wo Stone Coral OD+DELAY+REVERB+VHT Delverance 2x12	失真
B按钮	Call JP A+DELAY+REVERB+Soldano 2x12 V30	过载
C按钮	US Gold 100 Clean+MOD: CHORUS+DELAY+REVERB+Marshall 1960A T75 Lx10	清音

- 在PRESET模式下: VOLUME按钮为3组预置音色的最终输出音量。在此模式下, 可针对每使用三组预置音色, 不可使用旋钮进行编辑音色。A/B/C按钮代表三组预置音色。被选中的音色, 对应的指示灯闪烁常亮。若3个指示灯同时闪烁, 则表示当前处于演奏状态。

B. LIVE模式功能介绍

- 在LIVE模式下, 旋钮式下的默认最终输出音量80%。此时VOLUME按钮用于调校当前预置音色的输出电平。

- 在LIVE模式下: A/B/C功能按钮负责开启/关闭对应的效果模块。对应的指示灯闪烁表示为关闭状态。若旋钮灯常亮状态即代表此旋钮的效果已开启。且目前旋钮灯音色参数保持不变。

C. EDIT模式功能介绍

- 按下A+B按钮切换至EDIT模式时, 机器会一直保留切换前的最终输出音量。也会保留切换前的音色参数。保留在指定的旋钮上。仅保留1次。

- 在EDIT模式下, 旋钮灯有3种状态: 熄灭/常亮/闪亮。若旋钮灯熄灭状态即代表此旋钮的效果未开启; 若旋钮灯闪亮状态即代表此旋钮效果已开启。但是目前旋钮的音色参数数据保持不变。把旋钮灯调亮, 即会丢失此旋钮之前参数数据。旋钮灯调亮为常亮状态, 之前旋钮的参数数据即为当前旋钮的参数; 常亮状态即代表目前旋钮的音色参数跟当前旋钮相符。

-CN 04-

- 在进入EDIT模式时, 会一直保留切换前的最终输出音量。此时VOLUME按钮用于调校当前预置音色的输出电平。
- 若在EDIT模式编辑音色完毕, 切换到Preaset模式, VOLUME按钮立成为3个预置音色的最终输出音量。因此建议用户退出EDIT模式后, 请调回VOLUME按钮至出厂默认位置, 才能恢复到之前演奏状态下的最终输出音量。
- 在EDIT模式下: A/B/C功能按钮负责开启/关闭对应的效果模块。用户可在EDIT模式下对预置音色进行编辑和再次编辑。编辑完成后长按A/B/C任一按钮进行保存。

六. 如何自定义一个音色

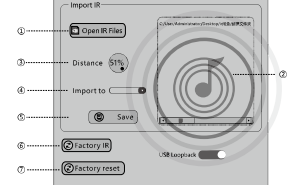
CUBE-BABY原厂预置A按钮的音色为例:

- 开机初始化完成后请短按组合按钮 "B+C" 切换至LIVE模式。进入LIVE模式后请检查所有旋钮指示灯 (除VOLUME按钮) 是否全部关闭。如有未关闭的效果请手动关闭。此时VOLUME按钮用于调校当前预置音色的最终输出音量。请将VOLUME按钮调至适合的位置。
- 短按A按钮开启AMP模块。将TYPE按钮至第3组, 选名为Wo Stone Coral OD的失真通道。接着将GAIN旋钮调至时钟12点钟位置。接着使用C按钮设置音色为清音。一致情况下短按至12点钟位置为清音。将针对音色的音色参数将方面旋钮调至音色参数列表。
- 接着短按B按钮开启MOD+DELAY模块。此音色不能不使用MOD效果。先将MOD旋钮调节至时钟12点钟的位置。关闭MOD效果。接着调节MIX旋钮开启DELAY效果。将MOD旋钮调节至时钟12点钟位置。将FB按钮调至时钟11点钟位置。将TIME按钮调至时钟3点钟位置。
- 接着短按A按钮开启IR CAB+REVERB模块。将IR CAB的旋钮调节至时钟10点钟位置。将IR CAB按钮调节至第5组的编头: VHT Delverance 2x12。
- 最后调节音色的输出电平。请将VOLUME按钮调至适合的位置。
- 音色已编辑完毕。我选择将音色保存在A按钮。长按A按钮。直至A按钮的指示灯快速闪烁。接着指示灯熄灭后闪灭状态。表示音色已经保存成功。若3个指示灯同时闪烁, 则表示当前处于演奏状态。
- 此时, 我编辑的音色已成功存储在PRESET预置模式, 覆盖了A按钮的音色。

七. CUBESUITE电脑软件界面

- 自定义IR界面:
 - IR文件搜索: 通过此搜索找到并加载在电脑里的IR文件。
 - IR文件展示: 展示找到的IR文件。方便点击试听。
 - 快速试听编头模拟: 此按钮用于试听该IR文件加载到音箱前, 距离越近声音越大。距离越远声音越小 (注意: 100%距离的情况下, 音量为0。离音箱越远, 再试听IR)。
 - 试听位置: CUBE-BABY的编头模拟位置序号。可选择1-8的预置位置。
 - 保存按钮: 点击第三方IR, 调好编头音色参数。选择保存位置序号后, 点击此按钮将数据写入IR。
 - 点击此按钮, 为3组预置音色加载出厂参数。

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2. 预置参数调节界面

- 选择需要调节的预置 (3组预置可供选择)。软件和设备处于同一组预置。即可听到实时调节效果。
- 调节预置音色参数: 调节输出音量。
- 调节音色参数: (等于旋钮MIX)。
- 调节音色参数: (等于旋钮FB)。
- 调节音色参数: (等于旋钮TIME)。
- 调节音色参数: (等于旋钮MIX)。