JOYO 卓乐

D-SEED

DUAL CHANNEL DIGITAL DELAY
COPY, ANALOG, REVERSE, MODULATION

使用说明书

感谢购买我们的产品！

为了让您在使用时更好的发挥它性能和更安全的使用本产品，请您务必仔细阅读本使用说明书，详细了解本产品使用中的一些注意事项，请保管好该使用手册，以便以后能随时查阅。

一．注意事项

- 操作开关和按键时请不要用力过当，以免损坏本机。
- 如果表面脏了，用干净、干燥的布擦拭。不要用苯、天拿水、洗涤剂、可燃性抛光剂等液体清洁剂。
- 请不要将本产品放在潮湿的地方，以免损坏内部电路。
- 本产品的工作电压为DC9V. 请勿超过此电压限制，否则将导致本产品损坏。
- 本产品出厂时不附带电源适配器，您需要另行购买。
- 请留意您的电源适配器是否与本产品外壳上所标识的电源极性致，电源极性错误可能导致本产品损坏。
- 请在本产品电源连接以后，再打开您的放大器电源。
- 不要把本机和生活垃圾一同丢弃，正确的处理可以减少环境污染和健康危害。正确的处理方法各地不同，所以详情请联系当地官方机构。
  警告：在任何未被验证的区域使用本产品都是危险的，并且不再享受厂家或经销商的保修权利.同时也请保留好发票作为购买证据，否则不享受厂家或经销商的保修权利。

二．关于D-SEED

D-SEED是一款在使用上非常灵活的延时效果器，内置TAP TEMPO功能并将TAP操作独立出来，不需要过多的模式切换即可在任何时刻通过TAP TEMPO操作来改变延时时间。另外D-SEED采用两通道设计（预设），每个通道下可以独立的保存该通道下所选择的延时效果，以及其他相关参数，这样在必要的时候可以使用不同的延时效果来润色您的音乐。另外，D-SEED提供最长约6秒钟的延时（TAP TEMPO模式下），可以满足大多数演奏要求。

D-SEED内置4种不同类型的延时效果：

■COPY: 原原本本的还原您的乐器音色，不做任何润色处理

■ANALOG: 可以让你得到一种温暖的模拟延时音色，好比早起的BBD延时效果器一样，辅助以现代数字技术，你可以将延时时间最大扩展约6秒钟。

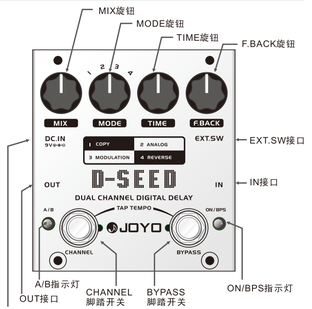
■MODULATION: 这是一种调制型的延时音色，特点是宽广而富有空间感，尤其在演奏Clean音色时表现尤为出色。

■REVERSE: 效果算是比较有趣的一种，他会将延时的乐句段落反向播放，制造一种很迷幻的感觉。

五．技术参数

整机最大电流消耗:	75mA@DC9V
延时效果模式:	4种
最大延时时间:	5.94秒
预置音色数量:	2种
输入声道数:	单声道
输出声道数:	单声道
重量:	500克
体积:	102*50*105mm

三．控制与指示



四．操作指南

一般操作

D-SEED操作非常简单，开机后D-SEED处于BYPASS状态，这时，可踩下BYPASS开关来激活D-SEED，激活后ON/BPS指示灯亮起，表示D-SEED已经正常工作。

你可以操作面板上的MIX /MODE/TIME以及F.BACK旋钮来调整音色，注意一旦某个旋钮位置发生改变（或TAP TEMPO操作生效），A/B通道指示灯将会不停地闪烁，提示用户参数已经被修改，是否需要保存参数。这时，你可按下CHANNEL键来保存当前设置，或者按BYPASS键来取消保存当前参数，一旦参数保存，所有当前设置（包括TAP TEMPO操作）都会被记录到D-SEED的内部存储器，即使切断电源这些参数也不会丢失，直到下一次参数修改发生。

通道切换

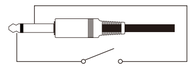
按下CHANNEL键，即可切换预置音色，默认情况下，D-SEED工作于A通道，此时通道指示灯A/B亮熄灭的，当切换到B通道时，A/B指示灯亮起，提示D-SEED工作于B通道。注意在执行TAP TEMPO操作的过程中，通道无法切换。

使用EXT．SW接口外接切换踏板来切换通道

您可以利用EXT.SW接口接入一只控制器板来切换D-SEED的通道，D-SEED的外接踏板输入要求一个下降沿脉冲信号，所以，您的踏板需要具备以下特征

1.踏板类型必须是Momentary型踏板（不可用LATCH型）

2.极性:正极性，踏板未踩下时，信号线悬空。



BYPASS 操作

可以通过踩下BYPASS开关来激活D-SEED或BYPASS掉D-SEED，注意，在TAP TEMPO操作过程中将无法进行BYPASS操作，BYPASS键无效。

TAP TEMPO 操作

在D-SEED处于工作状态时，同时踩下CHANNEL开关和BYPASS开关，D-SEED便开始记录你的节拍时长，此时A/B指示灯会亮成绿色，直到您获得满意的延时时间后，再次同时踩下上述的两只开关结束TAP-TEMPO操作，A/B指示灯恢复到原来的状态（红色或熄灭）。当本操作结束后，A/B指示灯将闪烁红灯，提示参数已改变（TAP TEMPO操作改变了原本的延时时间设置），这时你可以选择踩下CHANNEL开关来保存当前设置，或者踩下BPS开关取消保存。经过以上两个操作后，指示灯停止闪烁，并恢复到原来的状态。

卓乐产品服务政策

一、在正常使用产品过程中，如果产品出现非人为损坏的性能故障，自购买之日起，消费者享有保修服务，保修期为12个月。
二、有下列情况之一者，消费者不能享受保修权益。
1、人为损坏；2、超过保修期；3、无保修卡及有效发票，但能够证明产品在保修期内的除外；4、保修卡与产品型号不符，或保修卡被涂改；5、未按说明书要求使用、维护、保养而造成产品损坏；6、未经卓乐公司授权，擅自拆卸、维修产品、或涂改、排坏产品；7、其他不可抗力造成的损坏。
三、咨询服务信息
消费者服务热线：0755-29765390　　更多信息请访问：www.joyochina.cn

卓乐产品保修卡

产品型号		SN号码	
用户信息	姓名	购机日期	
	电话		
	地址		
	发票号码		
销售单位信息	名称（加盖公章）		
	地址		
	电话		

品牌:JOYO　　名称: 效果器
执行标准:Q/8/T 4324-2012
制造商: 深圳市卓乐科技有限公司
地址: 广东省深圳市宝安区28区新安三路陆氏工业大厦2楼
邮编:518133
售后服务热线：0755-29765390

产品合格证

检验结论:_____合格
检验员号:_____QC 01
日　期:_____

JOYO

D-SEED

DUAL CHANNEL DIGITAL DELAY
COPY, ANALOG, REVERSE, MODULATION

User's Manual

Thank you for purchasing JOYO D-SEED!
To ensure a safer and better performance for this product, please read this user manual carefully and make sure all the important notes have been well learned before using. The manual should be saved and kept on hand as a convenient reference.

Precautions

- To avoid breakage, do not apply excessive force to the switches or controls.
- If the exterior becomes dirty, wipe it with a clean, dry cloth. Do not use liquid cleaners such as benzene or thinner, or cleaning compounds or flammable polishes.
- Do not place this product in humid surroundings, in case of damages to internal circuits.
- Do not exceed the voltage limit at DC 9V; otherwise it will cause damage to this product.
- Please purchase power adapter separately.
- Please make sure the polarity of your power adapter is the same as this product casing printed, any error on power polarity would cause damage to this product.
- Please turn on your amplifier after D-SEED is powered on.
- Do not dispose of this product along with your household trash. By disposing of this product correctly, you can avoid environmental harm or health risk. The correct method of disposal will depend on your locality, so please contact the appropriate local authorities for details. **WARNING:** Use of this product in any country other than that for which it is intended could be dangerous and could invalidate the manufacturer's or distributor's warranty. Please also retain your receipt as proof of purchase otherwise your product may be disqualified from the manufacturer's or distributor's warranty.

About D-SEED

D-SEED is a very flexible delay pedal, with build-in TAP TEMPO function, which can be independently operated at any moment to change delay time without too many mode switching. Moreover, D-SEED has dual channels (presets); each can separately save its own chosen delay time, as well as other relevant parameters, so you have different delay effects to polish your music when necessary. The maximum delay time of D-SEED is 6 seconds (under TAP TEMPO mode), and it meets requirements of most players.

Four different types of delay effects of D-SEED:

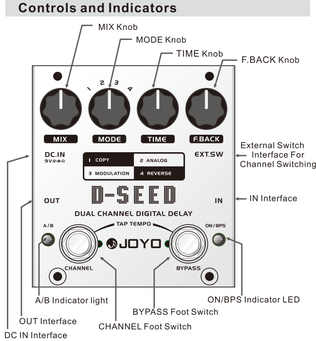
COPY: Restores your instrument's original sounds without any polishment.

ANALOG: Provides you a warm imitate delay tones like earlier BBD delay pedals and it enables delay time to 6 seconds by aiding with digital technology.

MODULATION: A delay tone with modulation, and it is characterized by broad and rich sense of space, especially when playing Clean tones.

REVERSE: A very interesting effect and it reverses the delayed phase to create a very psychedelic feeling.

Controls and Indicators

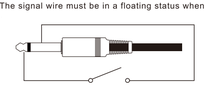


Operation Guides

General Operation
This unit would automatically turn to BYPASS status after power on. Then press BYPASS to activate D-SEED, and the ON/BPS LED indicator will indicate its working status.
Please turn MIX/MODE/TIME and F.BACK knobs to adjust tones, and be noted that once knobs are twisted (or TAP TEMPO activated), LED indicators for A/B channels would blink continually to hint whether you want to save the parameters or not. Then press CHANNEL to save current settings, or BYPASS to cancel it. Once all parameters are saved, the internal memory of the D-SEED would automatically record the current settings (including TAP TEMPO), which would not lose even if cutting off the power, until the next parameter modification occurs.

Channel Switch
Press CHANNEL to switch between preset tones. At the default settings, A Channel works with A/B LED indicator off. When the A/B LED indicator goes on, it indicates the B Channel working state. The channels cannot be switched under TAP TEMPO status.

Use EXT.SW interface to connect a Foot Switch Pedal for Switch Channel Settings
You can connect a Foot Switch Pedal into the EXT.SW interface to switch the Channel setting of D-SEED. This interface needs a pulse signal and works only with a falling edge. So, please take the following conditions into consideration:
1.Switching Type: The Pedal you choose must be a Momentary-Type switch.
2.Polarity: The signal wire must be in a floating status when the pedal is unstepped.



Operation of TAP TEMPO
When the D-SEED is in a working state, press CHANNEL and BYPASS simultaneously to record tempo duration, with the A/B LED indicator turns green.After getting your satisfied tempo duration, press CHANNEL and BYPASS again to finish TEMPO duration recording with the A/B LED indicator flashing red to indicate current changes on parameters (TAP TEMPO operation would change the original settings on delay time); then press CHANNEL to save current settings, or cancel it by press BYPASS switch. Hereafter, LED indicator stops blinking and restores to its original color.

Operation of BYPASS D-SEED
You can activate D-SEED or switch to BYPASS status by stepping on BYPASS. The BYPASS Switch is invalid under the TAP TEMPO operation state.

Technical Specifications

Maximum Current Consumption:	75mA@DC9V
Delay Effect Modes:	4 types
Maximum Delay Time:	5.94 seconds
Preset Tones:	2 presets
Input Channels:	Mono
Output Channels:	Mono
Weight:	500g
Dimension:	102*50*105mm

www.joyoaudio.com　　JOYO TECHNOLOGY CO.,LTD

JOYO Technology is committed to guarantee the highest quality standards. All Technical Parameters or pictures are only for your information, subject to the actual products.

105克双铜