

ROCKTRON
TECHNOLOGY FOR GUITARISTS



Reaction Digital Delay Instruction Manual



May be covered by one or more of the following: U.S. Patents #4538297, 4647876, 4696044, 4745309, 4881047, 4893099, 5124657, 5263091, 5268527, 5319713, 5333201, 5402498 and 5493617.

Other patents pending. Foreign patents pending.

Compliance



Your Reaction Digital Delay™ pedal has been tested and complies with the following Standards and Directives as set forth by the European Union:

Council Directive(s):	89/336/EEC	Electromagnetic
Compatibility		
Standard(s):	EN55013, EN50082-1	

This means that this product has been designed to meet stringent guidelines on how much RF energy it can emit, and that it should be immune from other sources of interference when properly used. Improper use of this equipment could result in increased RF emissions, which may or may not interfere with other electronic products.

To insure against this possibility, always use good shielded cables for all audio input and output connections. This will help insure compliance with the Directive(s).

For more information about other Rocktron products, please see your local dealer or one of our importers closest to you (listed on the Rocktron website (www.rocktron.com)).

Read all instructions contained in this manual.

Keep these instructions

Heed all warnings

Follow all instructions.

Do not use this apparatus near water.

Clean with dry cloth

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Precautions

Refer all service to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply or plug is damaged, liquid has been spilled or objects have fallen into the apparatus or if the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

DO NOT ATTEMPT TO SERVICE THIS EQUIPMENT. QUALIFIED PERSONNEL SHOULD SERVICE THIS EQUIPMENT ONLY. DO NOT MAKE ANY INTERNAL ADJUSTMENTS OR ADDITIONS TO THIS EQUIPMENT AT ANY TIME OR TAMPER WITH INTERNAL ELECTRONIC COMPONENTS AT ANY TIME. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY VOID THE WARRANTY OF THIS EQUIPMENT AS WELL AS CAUSING A SHOCK HAZARD.

OPERATING TEMPERATURE

Do not expose this unit to excessive heat. This unit is designed to operate between 32 F and 104 F (0 C and 40 C). This unit may not function properly under extreme temperatures.

Do not block any ventilation openings (if applicable). Install in accordance with the manufacturer's instructions.

Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.

This product is not equipped with a plug or cable. This pedal runs on a 9 Volt Battery, if a 9 Volt DC adapter is used please follow adapter manufacturer's operation instructions. Only use attachments/accessories specified by the manufacturer.

Do not use this product with any case, stand, tripod, bracket or table that is not specified by the manufacturer. Insure that the case, stand, tripod, bracket etc. is properly adjusted and setup (follow all instructions). Extra care and caution should be taken to avoid tip over and injury.

Unplug this apparatus during lightening storms or when unused during long periods of time.

Introduction

Are you searching for a Digital Delay stomp box that delivers great sound and outperforms the competitors when it comes to sonic quality? Pick up the Rocktron Reaction Digital Delay and surprise everyone, including yourself!

Rocktron's Reaction Series pedals are built into a rugged metal slim form factor chassis, taking up as little space as possible on your pedalboard. The Reaction Digital Delay is a TRUE BYPASS pedal: when you turn it off...it is out of your signal path!

The Reaction Digital Delay is very easy to use. Controls include LEVEL, which controls the output level of the effect. MODE determines whether the Delay time range is Quick (62.5 ms – 125 ms) or Extended (125 ms – 250 ms). REGEN controls how many echoes you hear, while TIME controls the Delay Time selection.

The Reaction Digital Delay has all the smooth full bodied tone you expect in a delay pedal. If you are a rocker, we've got your back! Just set the Reaction Digital Delay mode to Extended, then turn

Introduction continued....

the Time control to find that classic rock phrasing echo. Country pickers or Rockabilly jammers, set the Reaction Digital Delay mode to Quick and dial up your favorite slapback!

Most players find that delay pedals will sound better when placed after distortion. If you are using a distortion pedal, place the Reaction Digital Delay after the distortion pedal in the signal chain. If you are using your amplifier's distortion, place the Reaction Digital Delay in the effects loop section of the amp, (making sure to follow the instructions in your amp manual when using the effects loop).

The footswitch on the Reaction Digital Delay controls On/Off status as shown by the LED indicator. Reaction stomp boxes run on a 9V Alkaline battery, or may also be powered by Rocktron's DC OnTap Universal Power Supply adaptor.

Descriptions



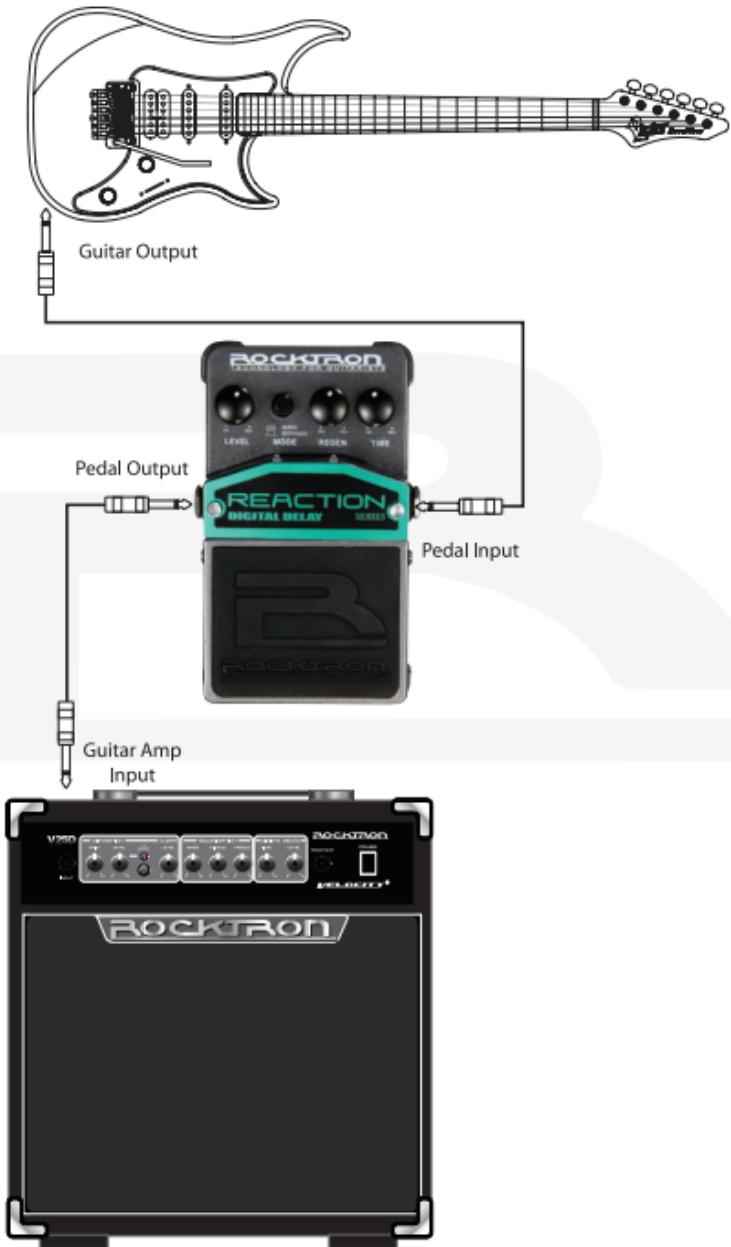
Descriptions continued.....

- 1 LEVEL Control - This control determines the overall volume of the delay effect.
- 2 QUICK/EXTENDED Switch - This switch allows selection between two delay times in milliseconds. The QUICK delay is between 0ms and 200ms. The EXTENDED delay is between 200ms and 400 ms. The actual delay time is then adjusted using the TIME control knob.
- 3 9VDC Input - This input jack provides 9VDC power to the pedal from the Rocktron DC OnTap 9V power supply (sold separately).
- 4 REGEN Control - This control determines the number of repetitions (regeneration) of the delay effect.
- 5 TIME Control - This control determines the length of the delay effect. This control is used in conjunction with the QUICK/EXTENDED Switch.
- 6 ON/OFF Leds - These LEDs show if the pedal is on or off. When the LED is lit the pedal is on. When the LED is not lit the pedal is off.

Descriptions continued.....

- 7 BATTERY COMPARTMENT and COVER - The 9V battery can be found in this compartment.
- 8 INPUT Jack - Using a standard 1/4" guitar cable, plug your guitar into this jack.
- 9 THUMB SCREWS for Battery Compartment. Unscrew these thumb screws to access the battery compartment.
- 10 FOOTSWITCH - Use this switch to turn on or off the pedal. The On/Off Led will show you if the pedal is on or off.
- 11 OUTPUT Jack - Using a standard 1/4" guitar cable you can plug in another pedal from this jack or plug directly into your amplifier.

Typical Connection



Specifications:

Maximum Input	2dBu
Maximum Output	3dBu
Input Impedance	1MΩ
Output Impedance	1kΩ
Current Consumption	36mA
Power Requirements	9V Alkaline Battery or Rocktron DC OnTap Uni- versal Power Supply (sold seperately). Negative Tip.

DC 9V



Dimensions 125mm x 78mm 61mm
5" x 3.25" x 2.5"

Weight 0.7kg
1.5lbs

How to change the battery:

To change the battery, remove the thumb screws on the top of the pedal and remove the battery compartment cover. Remove the old battery and replace it with a new 9V Alkaline battery. Replace battery in the same area as the old battery was located. Place the battery compartment cover on the pedal and re-insert the thumb screws.

Save yourself tons of money in batteries buy using the Rocktron DC OnTap Universal Power Supply to power this pedal (sold separately). The Rocktron DC OnTap provides a constant flow of power to the pedal, unlike a battery that will degrade over time. The Rocktron DC OnTap Universal Power Supply can also power up to 20 pedals and can be used with both 110V and 220V power sources.

Check, www.rocktron.com for more information on the DC OnTap and where to purchase.



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