

**ROCKTRON**  
TECHNOLOGY FOR GUITARISTS



# Reaction Dynamic Filter 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 Dynamic Filter™ pedal has been tested and complies with the following Standards and Directives as set forth by the European Union:

<b>Council Directive(s):</b>	89/336/EEC	Electromagnetic
Compatibility		
<b>Standard(s):</b>	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](http://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 something new to add to your setup and spice things up? Are you a guitar player who wants to add a crazy, phasey and downright out of sight twisted effect to your pedal arsenal. Maybe you are a bass player searching for something that will give you that funk with lots of punch? Rocktron aims to please that eclectic wild streak deep inside every musician with the Reaction Dynamic Filter.

The Reaction Dynamic Filter utilizes harmonic phase shifting effect that sweeps the frequency spectrum from high to low providing a unique one of a kind sound.

Since a dynamic filter is triggered by your pick attack, the harder you pick the string, the higher the resonant frequencies become. The SENSITIVITY control determines the frequency at which the filter will begin its phase shifting.

For bass players, lower SENSITIVITY settings provide a funky walking talking swanky arpeggio effect tracking your pick dynamics to produce a smooth and cool feel. Turn on the DISTORTION to make it growl.

For guitar players higher SENSITIVITY settings provide a more expressive “zipper” effect that is ideally suited for lead breaks. Play around with it and you will find that there are a lot of possibilities, all the way to a searing razor edge off the hook vibe controlled by your pick attack!

## Introduction continued....:

LEVEL control determines the output level of the effect. We have also included a DISTORTION button to give you a little more “dirt” when playing.

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

The Reaction Dynamic Filter can be placed in the signal chain before or after a distortion. We recommend placing it after. If using multiple pedals such as delays and other modulation effects, try the Reaction Dynamic Filter in different parts of the signal chain until you find the sound you personally prefer.

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

The footswitch on the Reaction Dynamic Filter 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



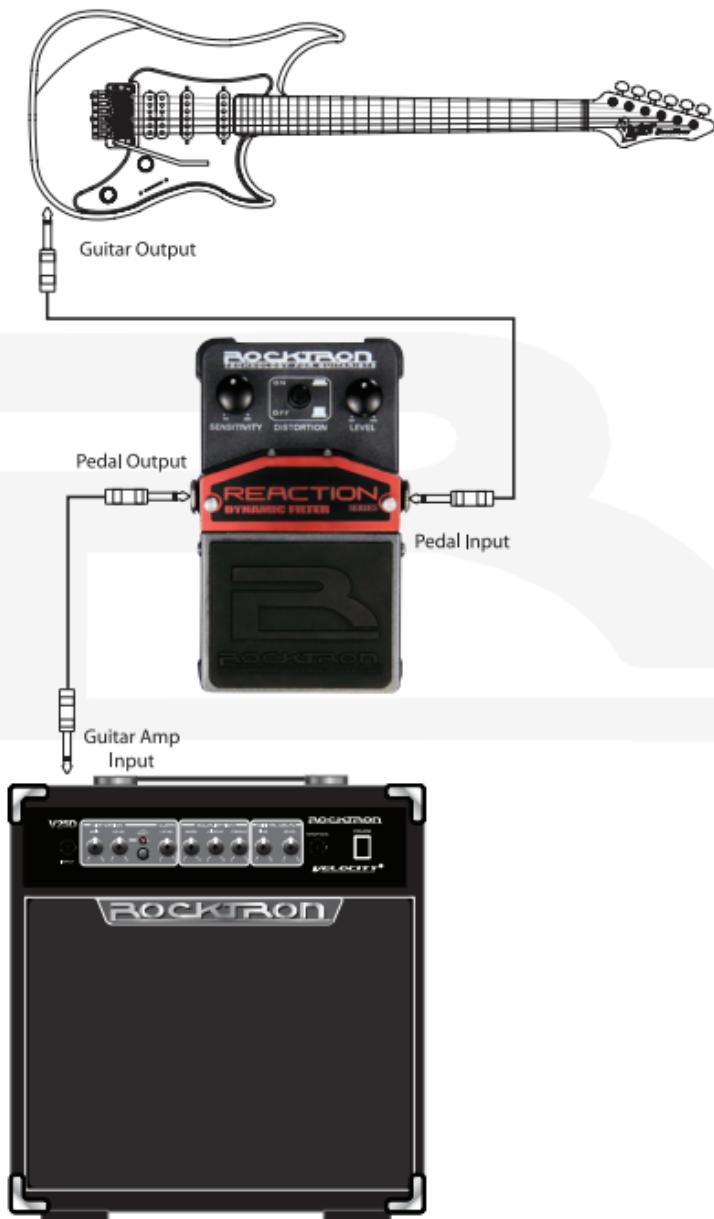
## Descriptions continued.....

- 1 SENSITIVITY Control - This control determines level of attack to cause the effect to activate.
- 2 DISTORTION Switch - This switch adds distortion to the effect. When the switch is in the distortion is on. When out, the distortion is off.
- 3 9VDC Input - This input jack provides 9VDC power to the pedal from the Rocktron DC OnTap 9V power supply (sold separately).
- 4 LEVEL Control - This control determines the volume of the effect summed to the output.
- 5 ON/OFF Leds - These LEDs shows 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.
- 6 BATTERY COMPARTMENT and COVER  
The 9V battery can be found in this compartment.

## Descriptions continued.....

- 7 INPUT Jack - Using a standard 1/4" guitar cable, plug your guitar into this jack.
- 8 THUMB SCREWS for Battery Compartment. Unscrew these thunb screws to access the battery compartment.
- 9 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.
- 10 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	7dBu
Maximum Output	-1dBu
Input Impedance	220kΩ
Output Impedance	1kΩ
Current Consumption	15mA
Power Requirements	9V Alkaline Battery or Rocktron DC OnTap Uni- versal Power Supply (sold seperately). Negative tip.
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 by 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](http://www.rocktron.com) for more information on the DC OnTap and where to purchase.*



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