

ROCKTRON

TECHNOLOGY FOR GUITARISTS

Short Timer Retro 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.*



Your Short Timer™ 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).

Precautions

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

Precautions Continued....

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 9Volt DC adapter is the used please follow adapter manufacturer's operation instructions.

Only used 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.

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.

Introduction

Congratulations on your purchase of the Rocktron Short Timer Retro Digital Delay Pedal.

The Short Timer Retro Digital Delay has been specifically designed to provide a short or quick slapback delay that is warm and lush.

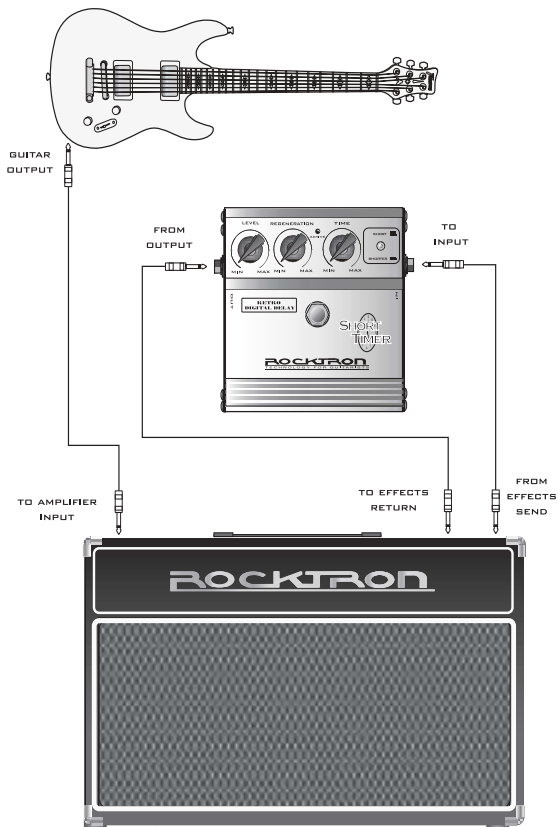
The Short Timer is an extremely useful live and studio digital delay. Two modes of delay, “Short” and “Shorter”, provide a wide range of quick delays that are the most widely used delay times in modern music.

The Short Timer is built into a super tough road worthy extruded aluminium chassis. This pedal will stand up to the abuses of time and road wear and tear.

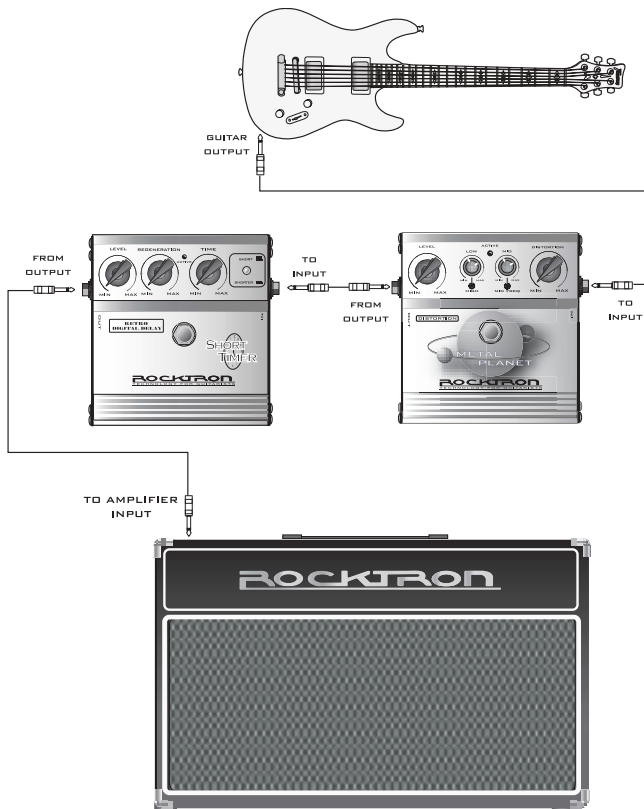
The easy access battery compartment will make changing batteries during a gig a breeze. We have also equipped it with a super bright blue LED so you will know when the pedal is on...it is also just plain cool!

Enjoy

Connection 1



Connection 2



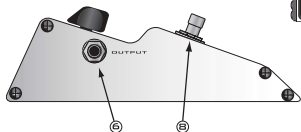


- 1 Level Control - Adjusts the overall volume of the delay effect. Turning the control clockwise increases the volume of the delay. Turning the control counter-clockwise decreases the volume.
- 2 Regeneration Control - Adjusts the number of repetitions of delay effect. Turning the control clockwise increases the number of repetitions. Turning the control counter-clockwise decreases the number of repetitions.
- 3 Active LED - When lit the pedal is “active” or “on”
- 4 Time Control - Adjusts the length of delay. Turning the control clockwise increases the length of the delay. Turning the control counter-clockwise decreases the length of the delay. This control is used in conjunction with the “Short/Shorter” switch (see point 5).
- 5 Short/Shorter Switch - When the switch is out or in the “Short Position - the delay time in milliseconds is set between 200ms and 400ms. When the switch is “in” or in the “Shorter” position the delay time in milliseconds is set between 0ms and 200ms. The actual delay time is then adjusted using the “Time” control (see point 4)

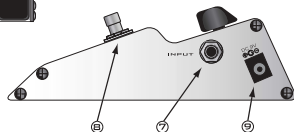
Bottom



Left Side



Right Side



- 6 Output Jack - Using a standard guitar cable with a 1/4" jack, plug into the input of your guitar amplifier or next stomp box
- 7 Input - Using a standard guitar cable with a 1/4" jack, plug the output of your distortion pedal or your guitar into this jack. If using in an effects loop plug the cable from the "send jack" on the amp or effects unit to this jack.
- 8 On/Off Switch - This switch determines whether the pedal is "active" or "bypassed" - When "active" the blue LED will be lit. When bypassed the LED will not be lit.
- 9 DC 9V Input - To use external power (not provided) use only a 9-Volt DC adapter
- 10 9-Volt Battery Compartment - to access pull on small tab labeled "OPEN". Replace with a new 9-Volt battery. Always remember to unplug your guitar cords from the pedal to conserve battery life. Some battery drain may take place when unit is plugged in (even if the unit is bypassed).

Specifications

Maximum Input	+10dBu
Input Impedance	1M ohm
Current Consumption	27ma
Power Requirements	9VDC <=300ma

** CE Approved **

Hints and Tips:

Digital Delay pedals usually sound better when placed after distortion. Thus, if you are using a distortion pedal, place the Short Timer after the distortion pedal in the signal chain. If you are using the amplifier's distortion try putting the Short Timer in the effects loop section of the amplifier if you have it (please note - follow all instructions in your amplifier manual when using the effects loop).

Short, quick delays or slapbacks are the most widely used delays in today's music. For distorted rhythm playing set the delay to "Shorter" and the delay level and regeneration levels low. For distorted lead playing, set the delay to "Short" and bump up the delay level and the regeneration level to taste. For chicken pickin type delay set the delay level to "Shorter" and bump up the delay level and regeneration level slightly.

Of course, these are just suggestions, we recommend you experiment with this a little to find "your" sound.

Other Rocktron Products

Rack Gear:

Gainiac (*preamp w/12ax7 tube*)

Chameleon® 2000 (*preamp w/multi-effects*)

RepliTone MP(*modelling preamp w/multi-effects*)

Xpression (*multi-effects processor*)

Blue Thunder (*bass preamp w/multi-effects*)

Voodoo Valve® (*preamp w/12ax7 tube and multi-effects*)

Prophecy (*our top of the line preamp with multi-effects*)

HUSH® Super C (*guitar noise silencing system*)

Vendetta VP4 Preamp (*All Tube 4-Channel Guitar preamp - 2 Rack Space*)

Velocity® 100 (*2x50W Stereo Power Amp for Guitar*)

Stomp Boxes:

Rampage Distortion, Tsunami Chorus, Austin Gold Overdrive,

Vertigo Vibe Rotating Vibe Pedal, HUSH® The Pedal,

Sonic Glory Overdrive, Big Crush Compressor

Deep Blue Chorus, Metal Planet Distortion

Silver Dragon Tube Distortion Pedal,

Black Cat Moan Wah Wah

Banshee Talk Box

Foot Controllers:

MIDI Mate (*Midi Foot Controller*) **MIDI XChange**(*MIDI Footcontroller*)

All Access® (*Midi Foot Controller*) **HEX** (*Expression Pedal*)

RMM900(*7-pin Din MIDI Cable*) **RM4** (*MIDI Controller for Vendetta amps*)

RFS1 and RFS2 (*Single and Double Latching Footswitchs for Rampage Amps*)

Electric Guitar - Acoustic Guitar and Bass Amplifiers:

Vendetta Head(*100 W Head 4-Channels All Tube - MIDI Switchable*)

Vendetta Combo (*100W 2x12 Combo Celestion 90s all Tube4-Channel MIDI Switchable*)

R80DSP (*80W 1x12 Amp w/Digital Effects*)

RT80 (*80W 1x12 Amp w/Reverb & Built-in Tuner*)

R120DSP (*120W 2x10 Amp w/Digital Effects*)

R120C (*120W 2x12 Amp w/Stereo Chorus and Reverb*)

RT122C (*120W 2x12 Amp w/Stereo Chorus, Reverb & Chromatic Tuner*)

R50DSP (*50 Watt 2x8"Guitar Amp w/Digital Effects*)

R50C (*50 Watt 2x8"Guitar Amp w/Reverb & Chorus*)

R20 (*20 Watt 1x8"Amp w/Reverb*) **R10** (*10 Watt 1x6.5"*)

ACOUSTIC (*60 Watt Acoustic Amp with Chorus & Reverb*)

RA50DSP (*50W Acoustic Amp w/Digital Effects - Wedge Shape*)

RA30DSP (*30W Acoustic Amp w/Digital Effects - Wedge Shape*)

RB20 (*Bass Amp 20W with 8" Speaker*) **RB30** (*Bass Amp 30W with 10" Speaker*)

RB60 (*Bass Amp 60W with 12" Speaker*) **RB100** (*Bass Amp 100W with 15" Speaker*)

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