

# PLUSH FX PEDALS

®

## *"REPLAY JUNIOR" ®*



*"True high voltage tube delay"™*

V 1.1 (27-August-2012)

## Operations Manual

**Plush division of Fuchs Audio Technology**

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# PLUSH FX PEDALS

## ***REPLAY JUNIOR*** ®

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# 1 Introduction to the REPLAY JUNIOR Tube Delay

First of all, **thank you** for purchasing the Replay Junior ! ™ !

The Replay Junior was designed as a replacement for tube delay pedals. Our objective was to free the player from maintenance, the cost of replacing tapes, and to provide a simple to operate, musical platform for your musical expression. The unit is a full function unit, which can operate with pedal or rack level effects.

The Replay Junior is built from the finest premium parts, and will give you years of enjoyment and high performance with no maintenance required.

Please read this manual completely, to obtain the most from your unit.

All connectors are Neutrik quality, the case is a cast aluminum enclosure with an industrial powder coat and baked on silk screening for long life and durability during use. The internal circuit boards are G-10 glass-epoxy and the circuit boards are double sided.

Enjoy The Replay Junior ® and we hope it will give you years of playing pleasure.

Andy and Annette Fuchs  
Fuchs Audio Technology LLC

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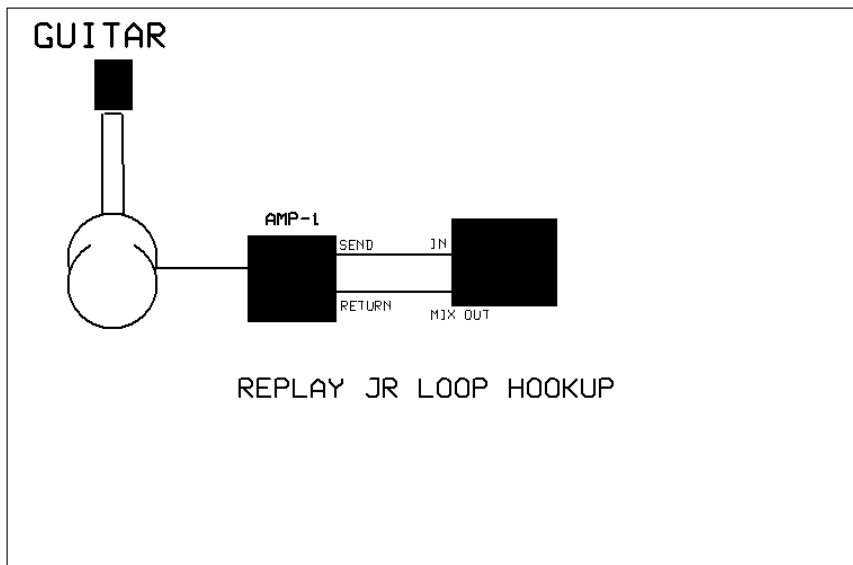
## The Replay Junior Tube Delay Specifications:

Cabinet:                    4" x 7"  
Weight:                    1.0 lbs  
Cabinet Material:        Solid Cast Aluminum I  
covering:                    Industrial Grade powder coating. Heat cured silk screening.  
Circuitry: Selected low noise 12AX7 tube, True High Voltage © switching power supply, regulated 6 volts to tube filaments.  
POWER: 9 VDC (ONLY) from external adaptor only, no battery.

Input impedance 1-M Mix Output impedance approximately 10-K.

Delay: 32-Khz Clock 15-K Bandwidth with up to 1-Second of delay time.

## Using the Replay Junior in an effects loop:



The Replay Junior is plugged into the amplifier effects loop, or patch (pre/power amp) or (loop) jacks. The output from the preamp (usually labeled send, or preamp out) is sent into the jack marked Input. The output from the Replay is returned to the effects loop return jack. The Replay has a wide dynamic range, which can be used for both line or guitar level signals.

The signal level should be monitored by the peak LED, located within the tube window. The tube is illuminated by a Blue LED on the left, and the peak indicator is a red LED to the right of the tube, within the glass window. Adjust input levels, so the LED blinks on peak transients, but is not illuminated at all times.

### Using the Replay Jr. in the front end of a guitar amp

The Replay Jr. can be used on a pedal board, on the input of a guitar amp. In this case, it is important to make sure the amp is not used in overload or high gain mode. It is assumed the distortion would be obtained using pedals.

### Powering the Replay Jr :

The Replay Jr. runs on 9-VDC, through an external adaptor (supplied). The unit normally ships with either a Visual Sound One Spot or the Godlyke Power Adaptor, both of which are universal adaptors for worldwide use. The pedal is intended to operate on **9-VDC only**. Exceeding this voltage or using an AC adaptor, can damage the unit, which is not covered by warranty. If you wish to power your Verbrator from an external power supply, it must be capable of furnishing at least 200 MA of clean, ripple free DC. In some cases, the Replay Jr. may produce extraneous noise in other pedals when sharing a power supply. This is due in some cases, to the switching power supply. While the Replay is highly filtered and regulated, in some cases this noise cannot be avoided. In this case, use a dedicated adaptor to power the Replay only.

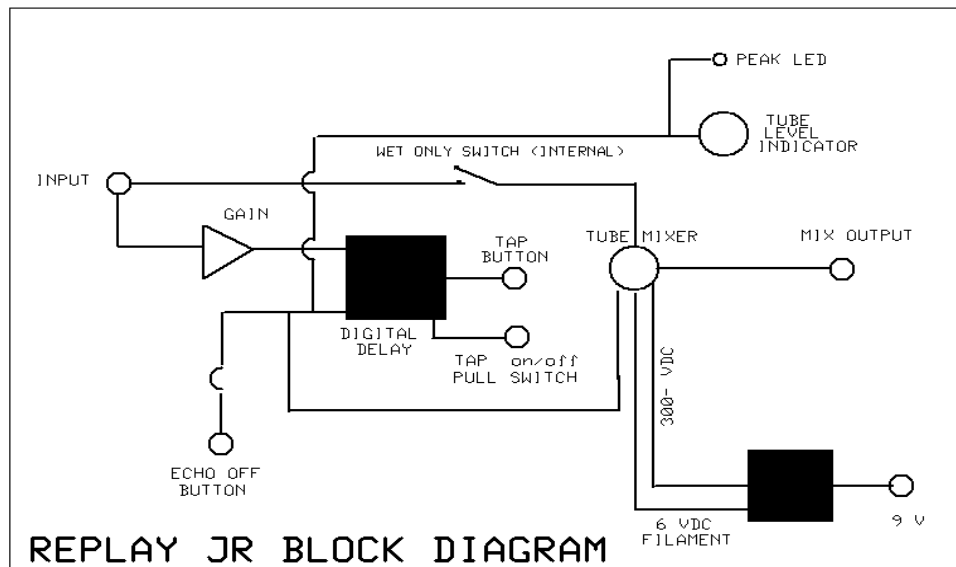
## Tubular details:

The audio tube used in the Replay Jr. is a selected Ruby Tubes 12AX7-HG. Since all the audio through both the loop of the pedal pass through this tube, it's important that it be a high quality tube. NOS tubes or other brands may be used, although a low noise selected tube is recommended.

When replacing this tube, a 12AX7 tube of similar quality should be used to insure maximum performance with lowest noise. The tube supplied with the unit should last for many years of trouble-free performance. Suggested tube replacement time is 3-years from date of purchase.

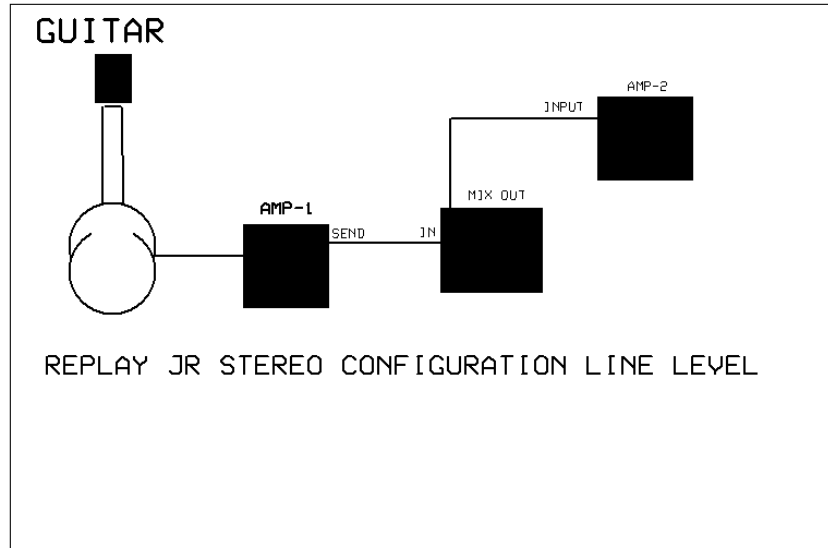
### 3 Block Diagrams

## Replay Jr Block Diagram

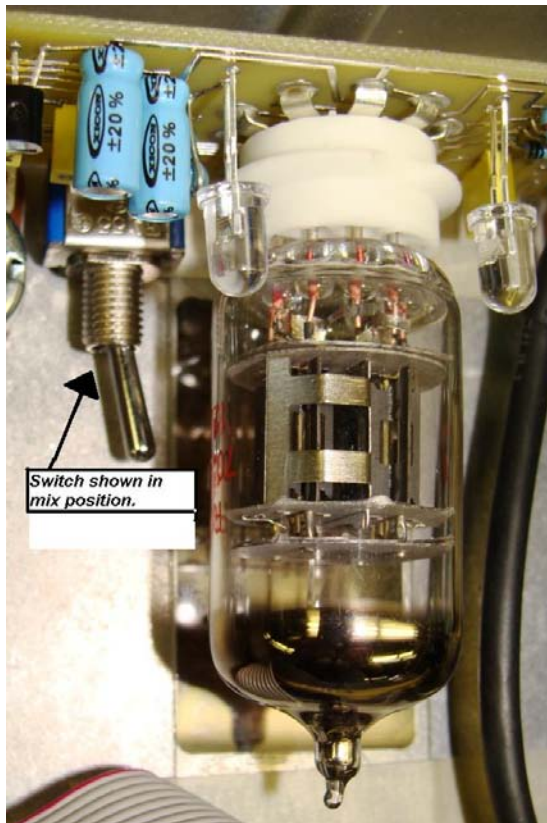


# Alternative Wiring Configuration

To run the Replay Jr in a stereo configuration, open the unit, and switch the wet only switch, to wet-only position. The mix output of the Replay Jr will be delay only, and the mix knob will adjust the level of delay coming out of the unit.



To operate the Replay Jr in stereo configuration, open the unit, and switch the mix switch to wet-only position, shown below:



**4** Warranty Information

**The PLUSH/Fuchs Audio Technology Warranty**

In the United States, Fuchs Audio Technology® guarantees our products to be free from defective workmanship or material failure for a *period of FIVE years (tubes excluded) from date of new purchase to the original purchaser*. Outside of the United States, the warranty is based on each country's local laws and distributor's policies. Contact your local dealer or distributor for details. This does not apply to Fuchs amplifiers or pedals that have been tampered with, damaged by shipping carriers, reverse engineered, or modified. Your warranty form/information must be returned to Fuchs Audio Technology® within 30 days of purchase, or your warranty will not be in effect. Fuchs Audio Technology® reserves the right to suspend or terminate the above warranty at our sole discretion, should damage from any of the above limitations and or exclusions be detected upon examination.

Keep the information on this page for your records.  
*Please mail-in warranty form on next page*

<b>PLUSH MODEL</b>	_____	<b>PURE GAIN PLUS</b>
<b>SERIAL NUMBER</b>	_____	
<b>OPTIONS INCLUDED</b>	_____	
	_____	
	_____	
	_____	

<b>PRODUCTION DATE</b>	___/___/___
<b>TESTED BY</b>	_____ Fuchs Audio Technology®

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®

### WARRANTY REGISTRATION FORM

**This completed form must be returned to Fuchs Audio Technology within 30 days of purchase along with a copy of your receipt from your authorized dealer.**

Please fill in all requested information on this form so we may register you for future warranty repairs or future upgrades, should they become available.

Purchasers Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Phone Number \_\_\_\_\_

E-Mail address \_\_\_\_\_

Model \_\_\_\_\_

Serial Number \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Dealer Name \_\_\_\_\_

Comments:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please return this form to:

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