

# JHS

# PEDALS

## USER MANUAL

AS OF JANUARY 2019



# TABLE OF CONTENTS

<b>WARRANTY INFORMATION</b>	
<b>OVERDRIVE &amp; DISTORTION</b>	3
Angry Charlie V3	4
Bonsai	
Charlie Brown V4	
Double Barrel V4	
Moonshine V2	5
Morning Glory V4	
Ruby Red	
Superbolt V2	
Sweet Tea V3	6
The AT+	
The Calhoun	
The Kilt V2	
Twin Twelve V2	7
<b>COMPRESSION</b>	
Lime Aid	
Pulp 'N' Peel V4	
Steak 'N' Eggs	8
Whitey Tightly	
<b>BOOST</b>	
Mini Bomb Boost	
The Prestige	
<b>FUZZ</b>	
Bunrunner V2	9
Firefly	
Four Wheeler V2	
Mini Foot Fuzz V2	
Muffuletta	10
Pollinator V2	
<b>TREMOLO</b>	
Honeycomb Deluxe	
Kodiak	
Tidewater	11
<b>MODULATION</b>	
The Emperor V2	
Unicorn V2	
Warble Tron	12
<b>DELAY</b>	
Milkman	
Lucky Cat Delay	
Panther Cub V2	
<b>REVERB</b>	
Alpine Reverb	13
Spring Tank	14
The VCR	
<b>PREAMP</b>	
Clover	
Colour Box	15
Haunting Mids	16
The Crayon	
<b>UTILITY</b>	
Active A/B/Y	17
Buffered Splitter	
Little Black Amp Box	
Little Black Buffer	
Mini A/B	18
Mute Switch	
Red Remote	
Stutter Switch	
Summing Amp	19
Switchback	
<b>ABOUT JHS PEDALS</b>	
	20

## WARRANTY INFORMATION

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Thanks for buying a JHS Pedal. You might not have realized it but you also just received one of the best warranties in the business! This pedal is backed by a limited lifetime warranty. If anything happens in any way that is our fault or the fault of a part that we use, we will fix it 100% free of charge with no questions asked.

Simply email [repairs@jhspedals.com](mailto:repairs@jhspedals.com)  
or call 816 216 7953.

***Thanks for buying a JHS Pedal,  
we are proud to stand behind what we do!***

# OVERDRIVE & DISTORTION



## ANGRY CHARLIE V3



Modern Marshall tones that lean toward the classic JCM 800. Heavy overdrive and distortion that is rich in British character, feel and attitude. A specially designed three band EQ allows you to sculpt it perfectly into any rig.

### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**BASS** - Controls the amount of bass. 50% is relatively flat while turning it to the left decreases bass and to the right increases bass.

**MIDS** - Controls the amount of mids. 50% is relatively flat while turning it to the left decreases mids and to the right increases mids.

**TREBLE** - Controls the amount of treble. 50% is relatively flat while turning it to the left decreases treble and to the right increases treble.

**POWER** - Uses 9V or 18V DC Negative Center. Do not use more than 18V DC. Your warranty will be voided. 100mA max consumption.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



## BONSAI



Nine of the most iconic green overdrive versions in one pedal. Let the Bonsai help you find your overdrive Zen.

### CONTROLS

**VOLUME** - Controls the output volume. Left is less volume, right is more.

**DRIVE** - Controls the amount of overdrive. Right is more, left is less.

**TONE** - Controls the tone of the pedal. Right is brighter, left is darker. The Tone control is disengaged on the OD-1 setting.

**VERSION SELECTOR** - This knob selects between the 9 different versions.

### VERSIONS

**OD1** - Overall, a brighter and slightly higher gain mode that does not utilize the Tone knob. This mode inverts signal just like the original, and has symmetrical clipping. The OD-1 is magical at boosting other drives or amps into singing saturation.

**808** - The classic low gain with that signature pronounced midrange.

**TS9** - Nearly identical to the TS-808 but with a slightly more pushed low midrange

**MSL** - Though metal is in the name, this sound doesn't quite inspire the modern metal djent we think of. Still, it has a higher gain sound with more low end and an overall gooier feel.

**TS10** - Made famous by John Mayer, this model from the late '80s is a slight upgrade from the TS9. Bluesy, crisp, more low end roll off, and low gain.

**XR** - The EXAR is a Polish made TS-style pedal that has a slightly different drive character with a little more gain than the classic screamers, as well as a slightly more transparent feel.

**TS7** - The hot mode on this version gives you the highest gain sound in the Bonsai. More low end and dirt fill out the tone to have you shredding away.

**KEELEY MOD PLUS** - Robert Keeley's classic mod tightens up the tone on the original giving you smoother mid range, high frequencies, and increased bass response.

**JHS STRONG MOD** - Our own mod we've been doing since 2008, it is much cleaner and, overall, more powerful. The mode has more pronounced high and low end drop offs.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 20mA consumption.



## CHARLIE BROWN V4



Vintage Marshall tones that lean toward the classic JTM45. Light, medium, and high gain overdrive at it's best. From Hendrix to AC/DC you will be right at home. A specially designed three band EQ allows you to sculpt it perfectly into any rig.

### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**BASS** - Controls the amount of bass. 50% is relatively flat while turning it to the left decreases bass and to the right increases bass.

**MIDS** - Controls the amount of mids. 50% is relatively flat while turning it to the left decreases mids and to the right increases mids.

**TREBLE** - Controls the amount of treble. 50% is relatively flat while turning it to the left decreases treble and to the right increases treble.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 9mA consumption.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



## DOUBLE BARREL V4



Everything possible, low to medium gain. The ultimate overdrive covers every style with ease in a compact design. It has our Morning Glory V4 with Red Remote capability and our Moonshine V2.

### Controls

#### LEFT SIDE - MORNING GLORY V4

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes. You will notice that as you turn up the drive it also adds brightness.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

**GAIN TOGGLE** - Engages higher gain mode when flipped up. The LED will turn red to indicate that you are in high gain mode.

**BRIGHT CUT SWITCH** - Switch on the left side of the pedal that cuts the highest frequencies in case the overall tone is too bright.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 108mA consumption.

#### RIGHT SIDE - MOONSHINE V2

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

**BLEND** - Adds in clean signal as you turn from left to right. All the way left is full overdrive, all the way right is full clean.

**PROOF TOGGLE** - Down is a lower volume yet more saturated tone. Up is louder and more open and crunchy.

### Jacks

**INPUT** - 1/4" jack on the top right side of the pedal.

**OUTPUT** - 1/4" jack on the top left side of the pedal.

**REMOTE GAIN** - 1/4" jack in between the input and output jacks. Plus in a Red Remote to remotely switch the Morning Glory Gain toggle.

## OVERDRIVE & DISTORTION



### MOONSHINE V2

JHS PEDALS

*Non-transparent overdrive that goes down as smooth as your granddaddy's White Lightning. Thick rich mids, clear top end, the best bass response of any drive we make, more volume than you will ever need, and the ability to do medium/high gain overdrive like nothing you've ever heard make this a hard habit to kick.*

#### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

**BLEND** - Adds in clean signal as you turn from left to right. All the way left is full overdrive, all the way right is full clean.

**PROOF TOGGLE** - Down is a lower volume yet more saturated tone. Up is louder and more open and crunchy.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 30mA consumption.

#### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



### MORNING GLORY V4

JHS PEDALS

*Transparent low/medium gain overdrive that never gets in the way. The overdrive you've always wanted but could never find.*

#### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes. You will notice that as you turn up the drive, it also adds brightness.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

**GAIN TOGGLE** - Engages higher gain mode when flipped up. The LED will turn red to indicate that you are in the higher gain mode.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 43mA consumption.

#### Jacks

**RED REMOTE JACK** - The upper jack on the right side of the pedal is for a JHS "Red Remote" switch. Using this switch you can toggle between the higher gain mode and the standard mode on the fly.

**INPUT** - Lower jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**BRIGHT CUT SWITCH** - Switch on the right side of the pedal that cuts the highest frequencies in case the overall tone is too bright.



### RUBY RED

JHS PEDALS

*Butch Walker's signature 2-in-1 overdrive/boost. No matter what style music you play, the Ruby Red is a powerful tone shaping tool that will offer you everything from tone enhancement to boost, overdrive, distortion, and even fuzz.*

#### Controls

##### RIGHT SIDE - BOOST

**BOOST** - Increases volume. Right is louder, left is quieter.

##### LEFT SIDE - SUPERBOLT

**VOLUME** - Controls the output volume. Right is louder, left is quieter.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**TONE** - Increases brightness. Right is brighter, left is darker.

##### FOOTSWITCHES

**RIGHT FOOTSWITCH** - Turns Boost on or off.

**LEFT FOOTSWITCH** - Turns SuperBolt on or off.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.

##### TOGGLES

+ **TOGGLE** - Engages higher gain mode when flipped down.

**ORDER TOGGLE** - Selects the order of the effects. Right is Boost > SuperBolt, left is SuperBolt > Boost. When the Boost is first it will cause the SuperBolt to be more saturated. When the Boost is second it will cause it to be louder

#### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



### SUPERBOLT V2

JHS PEDALS

*Supro\* tones in a pedal and a whole lot more! This discreet circuit does everything from clean boost to sagging exploding small amp distortion with ease.*

\*The word/name Supro is a registered trademark of Pigtronix. The JHS SuperBolt pedal is in no way affiliated with Supro® USA or Pigtronix.

#### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**TONE** - Increases brightness. Right is brighter, left is darker.

**GAIN TOGGLE** - Engages higher gain mode when flipped up. The LED will turn red to indicate that you are in the higher gain mode.

**POWER** - Uses 9V DC Negative Center. The SuperBolt is internally charged to 18V. Do not use more than 9V DC. Your warranty will be voided. 3mA consumption.

#### Jacks

**RED REMOTE JACK** - The upper jack on the right side of the pedal is for a JHS "Red Remote" switch. Using this switch you can toggle between the higher gain mode and the standard mode on the fly.

**INPUT** - Lower jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



## SWEET TEA V3

JHS PEDALS

Everything possible, medium to high gain. Our very own Angry Charlie V3 and our Moonshine V2 make this a high gain monster that goes down easy on a summer night.

### Controls

#### LEFT SIDE - ANGRY CHARLIE V3

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**BASS** - Controls the amount of bass. 50% is relatively flat while turning it to the left decreases bass and to the right increases bass

**MIDS** - Controls the amount of mids. 50% is relatively flat while turning it to the left decreases mids and to the right increases mids.

**TREBLE** - Controls the amount of treble. 50% is relatively flat while turning it to the left decreases treble and to the right increases treble.

#### RIGHT SIDE - MOONSHINE V2

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

**BLEND** - Adds in clean signal as you turn from left to right. All the way left is full overdrive, all the way right is full clean.

**PROOF TOGGLE** - Down is a lower volume yet more saturated tone. Up is louder and more open and crunchy.

### Jacks

**INPUT** - 1/4" jack on the top right side of the pedal.

**OUTPUT** - 1/4" jack on the top left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 81mA consumption.



AT+

JHS PEDALS

Andy Timmons' signature channel drive and boost. British style overdrive and distortion with a boost that will have your guitar singing like Andy's!

### CONTROLS

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive/gain just like a tube amp being cranked at high volumes.

**EQ** - High pass filter that naturally brightens or darkens the overall tone of the pedal. Right is brighter, left is darker.

**AIR** - Just like the presence knob on an amp, this allows you to dial in the perfect amount of high end for compatibility with any amp. Right is brighter, left is darker.

**BOOST** - Controls the volume of the independent boost circuit. Right is more, left is less.

**TOGGLE** - Gives you 25w/50w/100w feel. Up is 25w, down is 50w, and middle is 100w.

### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

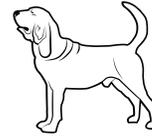
**OUTPUT** - 1/4" jack on the left side of the pedal.

### SWITCHES

**AT BYPASS** - Switch on the left side of the pedal.

**BOOST BYPASS** - Switch on the right side of the pedal.

**POWER** - Uses 9V to 18V DC Negative Center. This pedal CAN be run at 18V for more headroom and greater dynamics. Do not use more than 18V DC. Your warranty will be voided. 15mA consumption.



## CALHOUN V2

JHS PEDALS

Mike Campbell's signature 2-in-1 overdrive/fuzz. The Calhoun is the perfect pedal for the player who wants straightforward, no frills and easy to use dirt tones in a single package. It covers everything you need for rock and blues tones with ease.

### Controls

#### RIGHT SIDE - FIREFLY FUZZ

**VOLUME** - Controls the output volume.

**FUZZ** - Controls the amount of fuzz.

**TONE** - Controls the brightness. Works as a cut. Left is brighter, right is darker.

**BIAS** - Controls the amount of voltage to the silicon transistors. Right is cleaner more voltage, left is dirtier less voltage causing more saturation.

#### LEFT SIDE - TWIN TWELVE OVERDRIVE

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**BASS** - This is an active bass control just like the one you would find on the classic amp, modified for a more usable sweep. Left is less, right is more

**TREBLE** - Active treble control just like the amp. Left is less, right is more.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 10mA consumption.

#### FOOTSWITCHES

**RIGHT FOOTSWITCH** - Engages the Fuzz side.

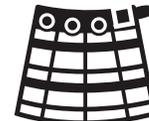
**LEFT FOOTSWITCH** - Engages the Drive side.

**TOGGLE SWITCH** - Selects the order of the effects. When switched to the left the Fuzz is first in the signal chain. When switched to the right the Drive is first.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



THE KILT V2

JHS PEDALS

A tone tweakers dream pedal. Boost, overdrive, distortion, fuzz and spitting chaos in one box. Don't be seen without your Kilt on.

### Controls

#### KNOBES

**VOLUME** - Controls the output volume.

**GAIN** - Controls the amount of drive or distortion.

**TONE** - Controls the amount of brightness. Right is brighter, left is darker.

#### JACKS

**INPUT** - Lower jack on the right side of the pedal.

**RED REMOTE** - Upper jack on the right side of the pedal with a red washer.

**OUTPUT** - Jack on the left side of the pedal.

#### TOGGLES

**LOW CUT TOGGLE** - The down position is flat eq while the up position is the "cut" mode with less bass.

**G1 & G2 TOGGLES** - These toggles work together to give you up to 4 different resistance clipping options. Both toggles down is the lowest gain setting. G1 up gives you more overdrive. G2 up gives you more fuzz. Both toggles up gives you the heaviest gated fuzz the Kilt offers! The G2 toggle can also be engaged by a Red Remote (indicated by the red circle around the toggle).

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 64ma consumption.

## OVERDRIVE & DISTORTION



### TWIN TWELVE V2

JHS PEDALS

For the first time ever, the legendary tones of the Silvertone 1484 amplifier are at your feet. Rich preamp/overdrive tones with a unique voice and character not found in any other pedal on the market.

#### Controls

**VOLUME** - Controls the output volume.

**DRIVE** - Controls the amount of drive or gain just like a tube amp being cranked at high volumes.

**BASS** - This is an active bass control just like the one you would find on the classic amp, modified for a more usable sweep. Left is less, right is more

**TREBLE** - Active treble control just like the amp. Left is less, right is more.

**CLEAN/DIRT TOGGLE** - Switches between clean preamp boost and overdrive mode. The LED is blue when in Clean mode and is red to indicate you are in the Dirt mode.

**POWER** - Uses 9V DC Negative Center. The Twin Twelve is internally charged to 18V. Do not use more than 9V DC. Your warranty will be voided. 34mA consumption.

#### Jacks

**RED REMOTE JACK** - The upper jack on the right side of the pedal is for a JHS "Red Remote" switch. Using this switch you can toggle between the Clean mode and the Dirt mode on the fly.

**INPUT** - Lower jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

## COMPRESSION



### LIME AID

JHS PEDALS

Bass compression done differently. Truly transparent with no high end loss as well as a low end that fills out the mix. Blend control makes this compressor a pedal that you will never turn off.

#### Controls

**Volume** - Controls the output volume.

**Comp** - Controls the amount of compression. From a slight coloration to a pleasing squash.

**Blend** - Blends in compression. All the way up is full compression/preamp tone while rolling it backwards brings in your original uncompressed tone.

*Do not tamper with the internal trim pot. It is set to a specific voltage. Tampering with it will void your warranty.*

#### Power

Uses 9VDC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA consumption.

#### Warranty

Our pedals carry an unconditional "Two Year" full warranty for ANY problem related to the function or operation of that pedal due to faulty parts and/or other internal problem. Simply show the receipt of purchase and we will honor it up to two years. We do not cover things such as broken knobs, pots and jacks due to abuse. We build them to last but not to be thrown out of an airplane. However, we will repair problems that are out from under our warranty, like the above, at a very reasonable price. Several of our pedals have internal trim pots which are set and sealed very carefully for the function of the circuit, and it should be noted that tampering with the trim pots will void the warranty.



### PULP N PEEL V4

JHS PEDALS

Studio grade compression that is truly transparent. Parallel clean blend for dialing in the perfect attack, EQ control, DI and 1/4" parallel outputs, built in switchable buffer and even a distortion circuit make The PnP V4 the ultimate end-all compressor for electric guitar and bass.

#### Controls

**VOLUME** - Controls the output volume.

**COMP** - Controls the amount of compression.

**BLEND** - Blends in compression. All the way right is full compression/preamp tone while rolling it left brings in your original uncompressed tone.

**EQ** - Darkens or brightens your tone. Right is brighter, left is darker.

**DIRT TOGGLE** - Activates the overdrive circuit. The amount of overdrive is controlled by the trim pot on the right side of the pedal. Works in conjunction with the blend control.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 32mA consumption.

#### Jacks

**INPUT** - 1/4" jack on the right side of the pedal.

**1/4" OUTPUT** - 1/4" jack on the left side of the pedal.

**XLR OUTPUT** - XLR jack on the left side of the pedal for DI purposes with bass or acoustic instruments.

**GROUND LIFT** - Small switch on left side. If the DI signal creates a hum, this switch will take care of it.

**BUFFER SWITCH** - Small switch on right side. Turns the internal bypass buffer on or off.

## COMPRESSION

JHS PEDALS

### STEAK & EGGS



With these modified classic overdrive and compression circuits in one box, the Steak and Eggs is the perfect staple for your pantry. Marinate your ears and incubate your tone with the Steak and Eggs.

#### LEFT SIDE

**JHS Morning Glory w/High Gain Toggle**

**Volume** - Controls the output volume.

**Drive** - Controls the amount of drive, or gain, just like a tube amp being cranked at high volumes. You will notice that as you turn up the drive it also adds brightness.

**Tone** - Controls the amount of brightness. Right is brighter, left is darker.

**High Gain Toggle** - Down is the standard Morning Glory, up kicks it into high gain mode!



#### RIGHT SIDE

**Keeley Electronics 3 Knob Compressor**

**Level** - Controls the output level.

**Sustain** - Controls the sustain of the compression. Turning to the right results in a more compressed tone.

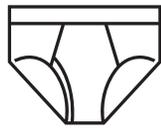
**Blend** - Blends in your original signal as you turn to the right.

**Bright Toggle** - Down is the stock position. When pushed up it will add brightness to your signal.

#### JACKS

**INPUT** - Jack on the top right of the pedal. **OUTPUT** - Jack on the top left of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.



### WHITEY TIGHTY

JHS PEDALS

Tighten up your tone with our mini compressor that holds everything in place.

#### CONTROLS

**VOLUME** - Controls the overall volume of the unit.

**COMP** - Controls the amount of compression.

**BLEND** - Controls the blend of clean vs wet signal. Fully right is fully clean, fully left is fully wet.

#### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

**OUTPUT** - 1/4" jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 21mA consumption.

## BOOST



### MINI BOMB BOOST

JHS PEDALS

1"x3" of amp blasting, solo shouting, JFET boost that can change your rig for the better!

#### Controls

**Volume** - Controls the output volume. When placed before your overdrives/distortions, it will create a more saturated tone. When placed after, you get the exact same tone except louder.

#### Power

Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA consumption.

#### Warranty

Our pedals carry an unconditional "Two Year" full warranty for ANY problem related to the function or operation of that pedal due to faulty parts and/or other internal problem. Simply show the receipt of purchase and we will honor it up to two years. We do not cover things such as broken knobs, pots and jacks due to abuse. We build them to last but not to be thrown out of an airplane. However, we will repair problems that are out from under our warranty, like the above, at a very reasonable price. Several of our pedals have internal trim pots which are set and sealed very carefully for the function of the circuit, and it should be noted that tampering with the trim pots will void the warranty.



### THE PRESTIGE

JHS PEDALS

Add some magic to your tone with this booster/buffer/enhancer. The final act in small footprints boosts.

#### Controls

**Volume** - Controls the output volume. Set at zero it works as a buffer/enhancer. In the first 25% range it gives different flavors of the buffer/enhancer as well as slight volume increases. In the 25 to 50% range you have a dynamic solo boost. At 50% or more it will send your amp into overdrive mode, pushing the tubes into the natural breakup you love about your amp.

#### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 7mA consumption.



## BUNRUNNER V2



The ultimate fuzz from modern hi-gain to vintage germanium. Every fuzz tone imaginable and more.

### Controls

#### Right Side - Tonebender

**Volume** - Controls the output volume.

**Fuzz** - Controls the amount of fuzz.

**Tone** - Controls the brightness. Works as a cut. Left is brighter, right is darker.

**Bias** - Controls the amount of voltage to the germanium transistors. Right is cleaner more voltage, left is dirtier less voltage causing more saturation.

#### Power

Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA consumption.

#### Left Side - Astro Mess

**Volume** - Controls the output volume.

**Fuzz** - Controls the amount of fuzz.

**Gate Toggle** - Down is gate off, up is gate on.

#### Warranty

Our pedals carry an unconditional "Two Year" full warranty for ANY problem related to the function or operation of that pedal due to faulty parts and/or other internal problem. Simply show the receipt of purchase and we will honor it up to two years. We do not cover things such as broken knobs, pots and jacks due to abuse. We build them to last but not to be thrown out of an airplane. However, we will repair problems that are out from under our warranty, like the above, at a very reasonable price.



## FOUR WHEELER V2



Bass fuzz that is nasty, beautiful, and flexible all in one casing. Gated or smooth tones that will bring your rig to another level. Great on guitar as well.

### Controls

**VOLUME** - Controls the output volume.

**FUZZ** - Controls the amount of fuzz.

**TONE** - This works as a tone cut. Left is brighter, right is darker.

**GATE** - Controls the amount of gate on the fuzz. Left is less gate, right is more gate for a harder break.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.



## FIREFLY



A British inspired 3 Transistor Germanium Fuzz with a few tricks up it's sleeve. From overdriven grit all the way to a huge wall of fuzz, the Firefly will deliver classic dirt into any rig.

### Controls

**Volume** - Controls the output volume.

**Fuzz** - Controls the amount of fuzz.

**Tone** - Controls the brightness. Works as a cut. Left is brighter, right is darker.

**Bias** - Controls the amount of voltage to the germanium transistors. Right is cleaner more voltage, left is dirtier less voltage causing more saturation.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.



## MINI FOOT FUZZ V2



1"x3" of thick massive fuzz that will cut through a mix like a knife. From muff style sustain all the way to gated distortion.

### CONTROLS

**VOLUME** - Controls the output volume. **FUZZ** - Controls the amount of fuzz.

**TOGGLE** - Toggle left is the standard high gain fuzz mode. Toggle right is a lo-fi sound for splatty, gated style fuzz.

### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

**OUTPUT** - 1/4" jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 3mA consumption.



## MUFFULETTA

JHS PEDALS

When you are hungry for fat, rich and legendary fuzz tones, look no further than the six course meal that the Muffuletta serves up.

### Controls

**Volume** - Controls the output volume. Left is less volume, right is more.

**Sustain** - Controls the amount of fuzz which increases the sustain when turned up, just like the vintage units.

**Tone** - The tone on the Muffuletta is its own animal. Left is darker and more "muffy". Right is brighter with a pleasing shrillness. You will also find that the tone sweep changes the character of the pedal in ways that normal tone knobs do not.

**Version Selector** - This knob selects which of the 6 versions you want to play.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 4mA consumption.



**The Civil War** - More midrange, brighter overall tone, and less gain.



**The Russian** - Less clarity, less low end.



**The Pi** - Best known for a more aggressive sound.



**The Triangle** - More low end and more articulate.



**'73 Rams Head** - Scooped midrange, less gain, and overall darker tone.



**JHS 2015** - More powerful, less compressed, and a more haunting midrange. Also best for bass guitar.



## POLLINATOR V2

JHS PEDALS

The Pollinator V2 is the ultimate classic germanium based dirt box. It cleans up with your guitar's volume knob like a dream and covers a mile wide cavern of tones. The Pollinator has more mojo than a velvet painting of Hendrix!

### Controls

**VOLUME** - Controls the output volume.

**GAIN** - Pre-gain control that works and interacts with the fuzz control. Right is more, left is less.

**FUZZ** - Controls the amount of fuzz. Right is more, left is less.

**BIAS** - Varies the direct voltage to the second stage transistor. Less voltage: dirtier, thinner, harsher. More voltage: bigger, cleaner, more powerful.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 19mA consumption.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



## HONEY COMB DELUXE

JHS PEDALS

Classic blackface and Voxy tremolo tones with two totally adjustable and foot-switchable speeds in a small footprint.

### Controls

#### JACKS

**Volume** - Controls the output volume. Can be set at unity or a slight boost.

**Depth** - Controls the depth of the tremolo.

**Speed 1** - Controls the speed of the tremolo when the green indicator LED is lit.

**Speed 2** - Controls the speed of the tremolo when the red indicator LED is lit.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.

#### FOOTSWITCHES

**Left Footswitch** - On/Off switch

**Right Footswitch** - Toggles between green speed and red speed.

*This pedal contains an internal switch that controls the speed range available. Up is stock speed mode, and down is slow speed mode.*

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.



## KODIAK

JHS PEDALS

A beast of a tremolo with all the modern amenities you could want in a small package. The Kodiak will give your tone a bear hug!

### CONTROLS

**VOLUME** - Controls the output volume. Can be set at unity or a slight boost.

**SPEED** - Controls the speed of the tremolo. Left is slower, right is faster.

**RATIO** - Controls the ratio of the tapped in speed for faster speeds with fewer taps. Select quarter, dotted eighth, eighth, or triplet note divisions.

**MIX** - Controls the mix/depth of the tremolo. Left is less, right is more.

**WAVE** - Select between four different wave types: Sine, Rhythmic, Square, or Ramp.

**TAP/EXP SWITCH** - Switch on the left side of the pedal to select either tap in/out or expression out for the Tap/Exp jack.

### JACKS

**INPUT** - 1/4" jack on the top right side of the pedal. **OUTPUT** - 1/4" jack on the top left side of the pedal.

**TAP/EXP** - 1/4" jack on the right side of the pedal. Select either tap or expression with the switch on the left side of the pedal. Control the speed with an expression pedal, an external tap tempo pedal, or slave another tap tempo pedal with the Kodiak.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 10mA consumption.

## TREMOLO



### TIDEWATER

Classic Vox and Fender Blackface tremolo tones in a tiny package. The Tidewater will have you floating on the waves of tone in no time.

#### CONTROLS

**VOLUME** - Controls the overall volume of the unit. You can set the volume at unity gain or use it to boost your signal.

**MIX** - Controls the depth of the tremolo effect. With the mix all the way down you can use the Tidewater as a boost preamp.

**SPEED** - Controls the speed of the tremolo effect. Left is slower and right is faster.

**INTERNAL DIP SWITCHES** - Inside the pedal on the back of the PCB there are three small dip switches. When all three are in the down position, the speed of the tremolo is in the standard mode. When all three are in the up position, the available speed is half of the standard mode, giving you slower speeds.

#### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

**OUTPUT** - 1/4" jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 3mA consumption.

## MODULATION



### EMPEROR V2

True analog bucket brigade Chorus and Vibrato with tap tempo waveform selection and more. Classic modulation with modern amenities.

#### CONTROLS

**VOLUME** - Controls output volume.

**EQ** - For the V2, the EQ control is an active tilt EQ. Noon is flat. Turning to the left boosts highs and cuts lows, while turning to the right boosts lows and cuts highs.

**SPEED** - Controls time/speed of the modulation.

**DEPTH** - Controls how deep/wet the modulation is perceived.

**CHORUS/VIBRATO TOGGLE** - Lets you choose between Chorus and Vibrato

**WAVEFORM TOGGLE** - Choose between Sine, Square, and Triangle waveforms.

#### JACKS

**INPUT** - 1/4" jack on the top right receives your instrument's signal.

**OUTPUT** - 1/4" jack on the top left sends the signal out of the pedal to an amplifier or pedal chain. You can use an optional TRS splitter cable to send your signal to two amps for true stereo modulation.

**TAP/EXP** - 1/4" jack on the right side of the pedal. In Expression Mode, connect any TRS expression pedal to control the pedal's speed. The speed parameters are preset for realistic rotary speaker sound. In Tap Mode you can set the speed using an external tap tempo pedal. Choose which one you want by the switch on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 57ma consumption.

#### SWITCHES

**BYPASS** - Left footswitch turns the pedal on and off.

**TAP TEMPO** - Right footswitch taps in the speed of the modulation.

**TAP/EXP** - Switch on the left side of the pedal. Choose between tap or expression mode for the TAP/EXP jack

**INTERNAL BUFFER SWITCH** - Switch lets you choose between true bypass and buffered bypass by engaging or disengaging the buffer.



### UNICORN V2

When everything has been done and everything has been seen, we bring you the first ever 100% analog signal path Uni-vibe\* Photocell Modulator w/ Tap Tempo.

#### CONTROLS

**VOLUME** - Controls output volume.

**DEPTH** - Controls intensity of the effect. Left is less, right is more.

**SPEED** - Controls rate/speed of the modulation. Left is slower, right is faster. Will override tap tempo speed when rotated.

**RATIO** - Controls the ratio of the tapped speed. Choose quarter, dotted eighth, eighth, or triplet notes. This allows for faster speeds with fewer taps.

**DRY/WET TOGGLE** - Dry mode is the classic Univibe sound, while Wet is a vibrato sound.

#### JACKS

**INPUT** - 1/4" jack on the top right receives your instrument's signal.

**OUTPUT** - 1/4" jack on the top left sends the signal out of the pedal to an amplifier or pedal chain.

**TAP/EXP** - 1/4" jack on the right side of the pedal. In expression mode, connect any TRS expression pedal to control the pedal's speed. In tap mode, connect an external tap tempo controller or another pedal that receives tap tempo to use the Unicorn to slave the other pedal. Choose which one you want by the switch on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA consumption.

#### SWITCHES

**BYPASS** - Left footswitch turns the pedal on and off.

**TAP TEMPO** - Right footswitch taps in the speed of the modulation.

**INTERNAL TAP/EXP SWITCH** - Internal switch lets you choose between tap or expression mode for the TAP/EXP jack.

## MODULATION



### WARBLE TRON



Classic bulb driven Univibe chorus vibrato. Amazing response, low end and smoothness that will make you a believer in vintage modulation.

#### Controls

**Volume** - This is a volume cut, not a boost, intended to compensate for the volume boost on the vibrato setting.

**Depth** - Controls the depth of the chorus/vibrato.

**Speed** - Controls the speed of the chorus/vibrato.

#### Power

Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA consumption.

#### Warranty

Our pedals carry an unconditional \*Two Year\* full warranty for ANY problem related to the function or operation of that pedal due to faulty parts and/or other internal problem. Simply show the receipt of purchase and we will honor it up to two years. We do not cover things such as broken knobs, pots and jacks due to abuse. We build them to last but not to be thrown out of an airplane. However, we will repair problems that are out from under our warranty, like the above, at a very reasonable price. Several of our pedals have internal trim pots which are set and sealed very carefully for the function of the circuit, and it should be noted that tampering with the trim pots will void the warranty.

## DELAY



### MILKMAN



A collaborative idea between JHS Pedals and Milkman Sound, the Milkman offers up an echo/slap delay and an independent boost for creamy country slap back and a full-fat tone booster you'll never want to turn off.



#### CONTROLS

##### LEFT SIDE - SLAP BACK DELAY

**SLAP** - Controls the time of the repeats. Left is faster and right is slower, up to 240ms.

**MIX** - Controls the volume of the repeats. Left is lower volume and right is higher volume.

**REPEAT** - Controls the amount of repeats. Left is fewer repeats and right is more repeats.

**EQ** - Controls the tone of the repeats. Left is darker repeats and right is brighter repeats.

##### RIGHT SIDE - BOOST

**BOOST** - Controls the volume of the boost. Left is lower volume and right is higher volume.

**LEFT FOOTSWITCH** - Bypass for the slap delay.

**RIGHT FOOTSWITCH** - Bypass for the boost.

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 27mA consumption.

## DELAY



### LUCKY CAT DELAY



With a full second of delay, tap tempo, ratio, modulation, eq, and more, the Lucky Cat Delay is everything you want and nothing you don't need. It's your lucky delay!

#### Controls

**TIME** - Controls the time of the repeats. Left is faster/shorter, Right is slower/longer.

**MIX** - Controls the mix or volume of the delay signal. Left is less mix, right is more mix. All the way left is full dry, all the way right is full wet.

**RATIO** - Controls the ratio of the tapped in speed. When all the way to the left on the quarter note, the delay will be exactly what you tap in. When you turn it to the right it begins to subdivide the speed of your tap. You can select dotted eighth note, eighth note, or triplets.

**REPEATS** - Controls the amount of repeats the delay will have. Left is less, right is more. The Lucky Cat will do endless repeats when set all the way to the right. If you change the Time when the repeats are all the way up, you will hear a digital feedback noise. This is normal and could even be used for interesting sounds like you would hear from an analog delay.

**DARK** - Darkens the tone of the repeats. Fully clockwise is stock mode. Turning the knob counterclockwise rolls off high end on the repeats only.

**MOD TOGGLE** - Choose between two modulation settings that affect the repeats only. The down position (Mod 1) is a light and subtle modulation. The middle position bypasses modulation. The up position (Mod 2) is a deep and intense modulation.

**DIGITAL/TAPE SWITCH** - Lets you choose between clean and clear digital delay repeats and slightly saturated and compressed tape delay repeats.

#### Jacks

**INPUT** - Jack on the top right side of the pedal.

**OUTPUT** - Jack on the top left side of the pedal.

**TAP OUT JACK** - Jack on the right side of the pedal. Allows you to use an external tap tempo controller.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 75mA consumption.



### PANTHER CUB V2



True analog delay with tap tempo, modulation, expression and more! Find that classic warm delay tone you've always wanted.

#### CONTROLS

**TIME** - Controls the delay time up to 1000ms.

**VOLUME** - Controls overall gain of dry and wet sounds. As you turn up the mix the dry signal will decrease and you can use the Volume control to compensate or boost the overall signal

**MIX** - Controls volume of the delay repeats only.

**RATIO** - Controls the tap subdivision: Quarter, dotted-eighth, eighth, and triplet note divisions. The setting of the Ratio control applies constantly whether using tap tempo or when manually adjusting the Time knob.

**F.BACK** - Controls the amount of delay repeats. The Panther Cub V2 has an improved feedback for smooth, infinite repeats or wild oscillation noises.

**EQ** - Active EQ tilt control. Noon is "flat". Turning the knob above noon boosts highs and cuts lows, while turning the knob below noon boosts lows and cuts highs. Because the Panther Cub V2 is all analog, the overall tone of the repeats is dark even when set at noon.

#### JACKS

**INPUT** - 1/4" jack on the top right receives your instrument's signal.

**OUTPUT** - 1/4" jack on the top left sends the signal out of the pedal to an amplifier or pedal chain.

**TAP/EXP** - 1/4" jack on the right side of the pedal. In Expression Mode, connect any TRS expression pedal to control Time, Ratio, or Mod Speed. To program, follow the directions below. In Tap Mode you can set the speed using an external tap tempo pedal. Choose which one you want by the TAP/EXP switch on the inside of the pedal.

#### SWITCHES

**BYPASS** - Left footswitch turns the pedal on and off.

**TAP TEMPO** - Right footswitch taps in the speed of the delay.

**MOD ON/OFF** - Turns the modulation on or off for the repeats only.

**MOD SPEED +/-** - Selects between faster or slower modulation speeds.

**INTERNAL TAP/EXP SWITCH** - Switch on the inside of the pedal. Let's you choose between tap or expression mode for the TAP/EXP jack.

#### PROGRAM MODE

With the Panther Cub V2 you have the ability to control Time, Ratio, or Mod Speed with a TRS expression pedal. To select which parameter to control, hold down the Tap Tempo switch until the tempo LED stops blinking. Once it stops blinking, you are in program mode. Select which parameter to control by either turning the Time or Ratio knob or by switching the Mod Speed switch one time. Once you have done this, tap the Tap Tempo switch again and you will exit program mode. You will now be able to control the parameter you selected with your expression pedal.

**POWER** - Uses 9V DC negative center power. Do not use more than 9V DC. Your warranty will be voided. 67mA consumption.

# ALPINE REVERB

## INTRODUCTION

Thanks for purchasing the JHS Pedals Alpine! In a world full of reverb pedals we are proud to offer up a highly tweakable, versatile, inspiring and cost effective solution for any situation your gig might throw at you. The heart of the Alpine's design is the idea that you can have a reverb pedal that is straight forward, easy to use but also extremely powerful in its functions and approachable without needing a degree in computer engineering.

## INPUTS/OUTPUTS

The Alpine has your standard Input and Output jacks like most pedals but we also give you a TRS Effects Loop jack just like our Panther Cub Delay so that you can insert any pedal or effect unit you want within the reverb signal itself for infinitely tweakable sounds. Simply plug in a TRS splitter cable and insert your favorite octave pedal and you now have a shimmer effect. Insert a delay for huge ambient pads or even an EQ for fine control of the frequencies and shape of the reverb effect. On your splitter cable the RING goes to the output/return of the effect you are using in the loop and the TIP goes to the input/send of that same effect.

## SWITCHES

The Alpine features two footswitches, the left is on/off and the right is the "Shift" footswitch. The "Shift" footswitch engages the "Shift" knob, essentially acting as preset.

## CONTROLS

**REVERB** - This control is essentially a wet/dry mix knob that lets you set the perfect balance and feel to how saturated the effect feels. Left is less, right is more.

**HIGHS** - This control is in function a high pass filter or highs roll off that lets you darken or brighten the overall effect when engaged. Left is darker, right is brighter.

**DEPTH** - Controls adjusts the size or space of the reverb. Left is smaller, right is bigger.

**LENGTH** - Controls adjusts the tails/decay time of the overall reverb. Left is shorter, right is longer\*.

**SHIFT** - Controls the amount of reverb when the "Shift" footswitch is engaged. Left is less, right is more.

## INTERNAL "SHIFT" SWITCH

Inside the Alpine you will find a small switch that says (EFX LOOP) and two positions labeled (SHIFT ONLY) and (ALWAYS ON). When this switch is in the "Always On" position, the effects loop works on the un-shifted setting as well as the shifted setting. When the switch is in the "Shift Only" position the effects loop only engages when you engage the "Shift" footswitch setting. This allows you to have your normal reverb setting and then hit the "Shift" footswitch to activate your "Shift" knob setting and your EFX Loop at the same time for two very different sounds on the fly. Out of the box the switch is set to "Shift Only". If you want the loop always on, flip the switch!

## BYPASS/TRAILS

The Alpine has a very high quality buffered bypass that restores lost signal in your rig by correcting impedance and driving the load of your signal to your amp. This also allows for the trails of the reverb signal to gradually die off when bypassed instead of cutting off abruptly.

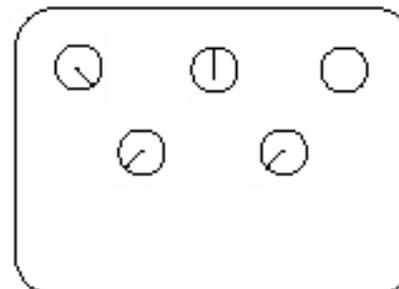
## POWER

The Alpine uses standard 9v center pin negative 100ma power.

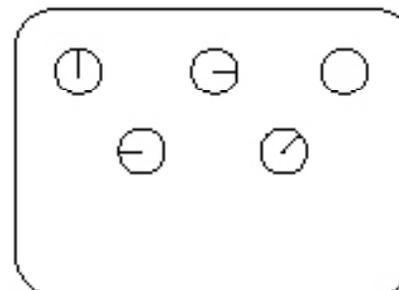
\*The Alpine will self oscillate when the length knob is turned all the way up. After a period of time it will stop oscillating and "latch up". To reset, unplug power cable and plug back in. Although the Alpine does do this, it is not a recommended setting. Have fun!

## SAMPLE SETTINGS

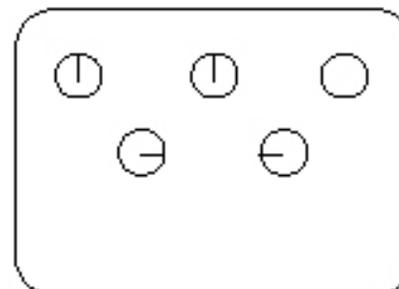
### BATHROOM



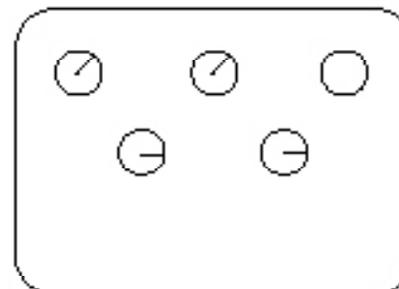
### SPRINGY



### HALL OF GLORY



### SPACE CAVE





## SPRING TANK



Classic spring-like reverb in a simple package with enough options to satisfy any spring reverb enthusiast. Blow them away with the Spring Tank!

### Controls

**BOOST** - Controls the amount of volume boost when the pedal is turned on.

**HIGHS** - Functions as a high pass filter. Turning right is brighter, left is darker.

**DEPTH** - Controls the size or space of the reverb. Left is smaller, right is bigger.

**LENGTH** - Controls the decay time of the reverb. Left is shorter, right is longer.

**TANK 1** - Controls the main reverb mix. Left is less, right is more.

**TANK 2** - Controls the reverb mix when the Tank 2 switch is engaged.

### SWITCHES

**BYPASS** - Turns the pedal on or off.

**TANK 2** - Engages the Tank 2 reverb mix knob which acts as a secondary reverb mix you can use on the fly.

### Jacks

**INPUT** - Lower jack on the right side of the pedal.

**EFFECTS LOOP** - Upper jack on the right side of the pedal. Insert a TRS splitter cable into this jack and plug it in to any pedal to add the effect to the wet reverb effect only.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.



## CLOVER



This classic FET preamplifier gives you tons of volume and powerful EQ to shape and boost your tone for an unforgettably lucky sound.

### CONTROLS

**VOLUME** - Controls the overall volume of the unit. You can set the volume at unity gain or use it to boost your signal.

**EQ SELECTOR SWITCH** - Select three different EQ types: Full EQ, No Mid, and No EQ.

**BASS** - Controls the amount of bass in your signal. Left is less, right is more.

**MIDS** - Controls the amount of mid frequencies in your signal. Left is less, right is more.

**TREBLE** - Controls the amount of treble in your signal. Left is less, right is more.

**LOW CUT** - Dip switch on the right side of the pedal that cuts low end.

**GROUND LIFT** - Dip switch on the left side of the pedal. When using the XLR output, if you experience a hum you can switch the ground lift to remove the hum.

### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

**OUTPUT** - 1/4" jack on the left side of the pedal.

**XLR OUTPUT** - XLR jack on the left side of the pedal. You can use this to go straight into a mixer or interface.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 46mA consumption.



The VCR pedal is a first in a new collaboration between PaxAM, Ryan Adams, and JHS Pedals. Inspired by the chorus/reverb tones of The Cure, The Smiths and a hefty dose of 1980's angst.

### Controls

**VOLUME** - Controls the output/boost volume.

**VOLUME TOGGLE** - Toggle just below the Volume knob. Engages the boost circuit when flipped up.

**CHORUS** - Controls the amount of chorus. Turning the knob to the left decreases the rate and increases the mix. Turning the knob to the right increases the rate and decreases the mix.

**CHORUS TOGGLE** - Toggle just below the Chorus knob. Engages the chorus effect when flipped up.

**REVERB** - Controls the reverb mix. Left is less mix and right is more mix.

**REVERB TOGGLE** - Toggle just below the Reverb knob. Engages the reverb effect when flipped up.

**LO-FI SWITCH** - Switch on the backside of the pedal that engages a lo-fi, mid range sound on the overall tone of the pedal.

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 80mA max consumption.



## COLOUR BOX

### STUDIO GRADE PRE-AMPLIFIER

#### INTRODUCTION

Thanks for purchasing a Colour Box! The JHS Pedals Colour Box is designed and created to allow you to recreate the infamous guitar tones of the Beatles, Pink Floyd, Led Zeppelin, and countless others with your live rig, or in a studio environment by using 100% analog circuitry true to the design and schematic of vintage Neve\* circuitry. The Colour Box is completely free from any digital modeling. Never before have "direct in" tones been available from your guitar amp in the way that the Colour Box delivers them. Aside from creating these "direct in" tones, the Colour Box covers all the ground that you would expect a high quality studio preamp to cover. From your microphone, bass, keyboard, or even your acoustic guitar, it does it all. We have gone to great lengths to bring the color and character of a real vintage console to your feet or studio desktop.

#### INPUTS/OUTPUTS

You will notice that in addition to the normal 1/4" instrument input/output found on a guitar pedal, we added an XLR input and output so that The Colour Box can be used as a vocal, bass, acoustic, or keyboard preamp live or in the studio. The 1/4" mono output and the XLR output are independent and allow you to run parallel outputs to two destinations. For example, run the 1/4" mono out into your guitar amplifier and at the same time run the XLR output to your front-of-house mixing board. Another example of using parallel outputs would be to track amp tones and the "direct in" sound of your performance onto two separate tracks.

#### UTILITY SWITCHES (LOCATED ON SIDE)

**1/4" / XLR SWITCH** - This switch lets you choose between 1/4" or XLR input. Set the switch to "1/4." when plugging in a 1/4" jack. Set the switch to "XLR" when plugging in an XLR cable.

**-20dB SWITCH** - This is a standard 20dB pad for use with the XLR input. Use this if you're experiencing clipping from the XLR input and know that the pad works whether the pedal is on or off. This pad does not have any effect if using the "Inst" input.

#### CONTROLS

**MASTER** - The Master Gain (labeled "Master") is what would typically be considered as a Volume control. Other terms are "master volume" or the "output trim."

**PRE-Vol** - The Pre Volume (labeled "Pre-Vol") can be used the same as you would a Drive knob on an overdrive pedal. In this circuit, the Pre Volume is between the two gain stages, and the setting of the Pre Volume determines how much signal continues to the second stage.

**STEP** - The Step Gain (labeled "Step") changes the gain of each preamp stage in five stages. Rotating the "Step" knob from left-to-right will increase the gain by the following: 1st is X 18 dB, 2nd is X 23 dB, 3rd is X 28 dB, 4th is X 33 dB, 5th is X 39 dB

**HI PASS** - The Highpass spans from 60Hz to 800Hz with a 6dB per octave slope. This control allows you to only let high frequencies pass. In return you will find a vast palette of tones that sit perfect and inspire textures that you have never heard from your rig. The toggle switch will turn the Highpass on or off.

**EQ CONTROLS** - The tone control section is a highly modified Baxandall type that is tuned for less control interaction and more boost/cut capability. The center frequencies are Treble 10kHz, Middle 1kHz, and Bass 120Hz, with +/- 17dB of control.

#### POWER

The Colour Box runs on 18v DC negative center power. We supply an adapter but you can also use any standard 18v DC pedal power supply or voltage doubling cable like the Voodoo Lab found here:

[http://www.voodoolab.com/shop/index.php?cPath=22\\_24\\_32](http://www.voodoolab.com/shop/index.php?cPath=22_24_32).

#### INPUT MODES & OUTPUT FUNCTIONALITY

The Colour Box offers two different Input Modes and you must choose which mode you need based on your application. There is a Input Selector switch on the side of the case which is labeled 1/4"/XLR. Simply put, use "Instrument" mode when you are plugging in a 1/4" cable into the Colour Box. Use the "XLR" mode when you are plugging an XLR cable into the Colour Box. You must select between Inst/XLR mode in order for the pedal to correctly work. If you plug in a 1/4" cable but have selected XLR Mode, the pedal will not work. The reverse applies as well. Here is a further description of the two modes and their applications...

#### 1.1/4" INPUT MODE

When in INSTRUMENT MODE, there are two options of use that are further explained below. The Colour Box can be used as an always-on Preamp/DI OR it can be used as an effect which is turned on/off.

- ▶ **USE AS AN "EFFECT PEDAL" (aka turning the pedal on/off while playing)** – If you plan to use the Colour Box as an effect pedal and will be turning it on/off while playing, then you HAVE to use the 1/4" Output. The XLR output can be used at any time in any Mode, but it will only pass signal when the Colour Box is turned on. To use the Colour Box as an effect pedal, simply connect the 1/4" output into any amplifier (guitar/bass/keyboard), mixer, recording interface, or direct box and use the pedal as you normally would use any other guitar/bass pedal in your rig. If you use the Colour Box as an effect where you will be turning it on/off, we recommend only using the standard 1/4" output and not relying on the XLR output since the XLR output will be inactive anytime the pedal is turned off. As a rule-of-thumb, please remember (in Instrument Mode) that if the Colour Box is turned off, the XLR Output is totally inactive and will not pass signal, however the 1/4" output will always pass signal (either bypass signal or effected signal).
- ▶ **USE AS AN ALWAYS-ON "PRE-AMP / DI BOX"** – When using the Colour Box as an ALWAYS ON preamp, you can use the XLR output to plug straight into an audio mixer or recording interface and there is no need to use a separate direct-box. In an always-on circumstance, the 1/4" output will also pass effected signal to whatever it is plugged into as long as the pedal is ON, this allows you to split your signal to two separate sources at the same time. The XLR output will only pass signal when the Colour box is turned on.

#### 2. XLR/MICROPHONE INPUT MODE

In this mode, the pedal accepts XLR microphone cables and passes a clean bypass signal through the XLR Output when switched off. The 1/4" output also passes signal in this mode so you can pass a microphone through the Colour Box into an amp or line level input. The 20dB pad is available in this mode only and works when the pedal is on and off.

\* in both modes the XLR out has a slightly lower noise floor if running as a line-in to your mixer or interface.

\* **If you need more clean headroom for acoustic instruments or any other instrument that is distorting the Colour Box in an undesirable way, use an unbalanced 1/4" to XLR male cable from your instrument into the XLR input.**

\*The word/name Neve® is a registered trademark of AMS Neve Ltd. The JHS Pedals Colour Box pedal is in no way affiliated with AMS Neve Ltd.



## HAUNTING MIDS



The Haunting Mids is a frightfully effective sweepable mids EQ pedal that can turn any amp or pedal into a midrange monster. With its ability to sweep mids and then boost/scoop them, you can find the ghostly tone that haunts your imagination.

### CONTROLS

**VOLUME** - Controls the overall volume of the unit.

**MIDS** - Controls how much the mids are boosted or scooped.

**SWEEP** - Controls which mid frequencies are boosted or scooped by the Mids knob. Below noon is low-mids, above noon is high-mids.

**LO/HITOGGLE** - Acts as a "Q" function by setting the width and sharpness of the frequency curve. HI is a sharp/narrow peak for a pronounced affect and LO is a wider/softer peak for a slightly more subtle and balanced effect.

### JACKS

**INPUT** - 1/4" jack on the right side of the pedal.

**OUTPUT** - 1/4" jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 13mA consumption.



## THE CRAYON



British voiced preamp distortion, fuzz, overdrive, and boost in a versatile small footprint that follows in the shadow of the our Colour Box. Looking for a different dirt sound? Look no further.

### Controls

**Master** - Controls the output volume.

**Pre-Vol** - Works as a drive or fuzz control like turning up the pre-volume on a preamp. As you reach 75% and above, the fuzz will begin to gate out when picking the strings harder.

**Tilt** - Active tone control that is flat when the knob is at 50%. When turned to the left it will boost bass and simultaneously cut treble. When turned to the right it boosts treble and cuts bass.

### Jacks

**INPUT** - Jack on the right side of the pedal.

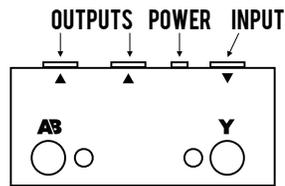
**OUTPUT** - Jack on the left side of the pedal.

**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 15mA consumption.

# JHS PEDALS

## ACTIVE A/B/Y

Take one input and send it to two different outputs, or to both at once! Completely silent switching makes this the perfect tool for your rig in a multitude of situations. The A channel is engaged when the LED is red, and the B channel is engaged when the LED is green. Both channels are engaged when the Y switch is engaged.



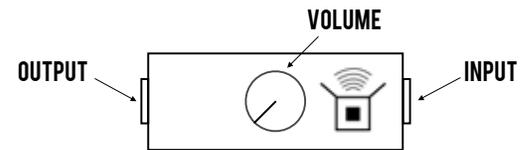
**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 47mA consumption.

# JHS PEDALS

## LITTLE BLACK AMP BOX

If your amp has a "send/return" effects loop simply connect the input your SEND and the output to your RETURN. You can use the LBAB to saturate your preamp section and get some cranked tube tone at bedroom levels! No power required.

\*The Little Black Amp Box is not an attenuator. Do not place between your amp head and speaker cabinet.

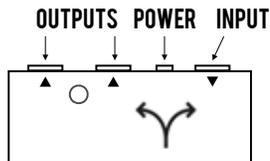


# JHS PEDALS

## BUFFERED SPLITTER

This little box of magic takes your input signal and splits it into two always-on outputs that are buffered so you don't lose clarity or tone in any way. Split your signal any way you can imagine!

\*The Buffered Splitter does not take two inputs and create one output. If you attempt this it will not work. Requires 9V DC Negative power. 19mA consumption.



# LITTLE BLACK BUFFER



The greatest tool for your tone you never realized you needed. Fix all that tone loss from your true bypass pedals and long cable runs.

### Controls

**Plug it in!**

### Jacks

**INPUT** - Jack on the right side of the pedal.

**OUTPUT** - Jack on the left side of the pedal.

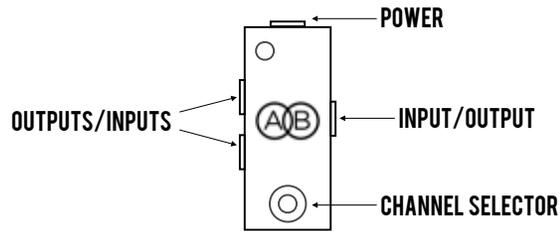
**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 100mA max consumption.

# JHS PEDALS

## MINI A/B

A good solid A/B box can be a guitarist's best friend. Choose between two amps on the fly, take your guitar tuner out of your signal chain, or choose between two guitars with no unplugging of cables. Anywhere you need inputs or outputs, this box does the job!

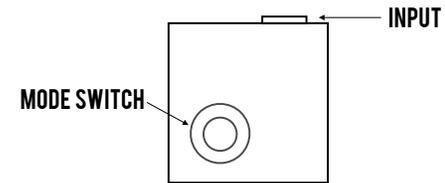
\*This pedal is passive but requires 9V DC Negative power for the LED to function.



# JHS PEDALS

## RED REMOTE

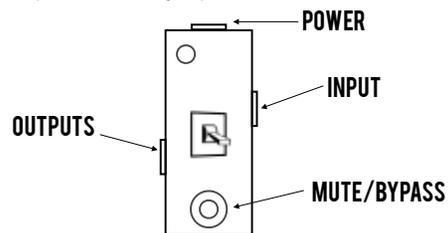
The Red Remote works with the JHS Pedals Morning Glory, SuperBolt, and Twin Twelve to remotely activate the on-board toggle. Just plug a standard 1/4" instrument cable in to the Red Remote jack and you now have two on-the-fly options for one pedal!



# JHS PEDALS

## MUTE SWITCH

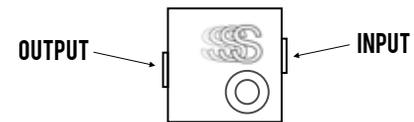
Simple, solid, and very useful. Just hit the footswitch and anything plugged into the input is made 100% silent. The Dual color LED shines blue when signal is hot and red when the mute is ON. \*This pedal is passive but requires standard 9V DC Negative power for the LED to function.



# JHS PEDALS

## STUTTER SWITCH

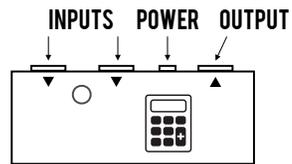
This super small little 2" box allows you to momentarily mute your signal. Just tap away, and as your foot touches the switch, your signal is muted. Think of this as your own manual tremolo! No power needed as this is a totally passive device.



# JHS PEDALS

## SUMMING AMP

Take two inputs and create one output with this simple little box that adds up to a whole lot more!

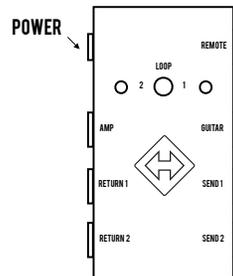


**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 31mA consumption.

# JHS PEDALS

## SWITCHBACK

The ultimate switcher for all the tough tonal mountains you need to climb. Plug in your guitar and use two loops for all kinds of switching applications. Use the Red Remote for on the fly loop-swapping. The Switchback will get your signal anywhere you need it to go!



**POWER** - Uses 9V DC Negative Center. Do not use more than 9V DC. Your warranty will be voided. 31mA consumption

## ABOUT JHS PEDALS

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JHS Pedals is an American company located in Kansas City USA that started in 2007 when Joshua Scott fixed some broken pedals and modded some existing classics. Today JHS Pedals has evolved into a respected and well recognized boutique pedal company with products that are available at over 200 Dealer locations worldwide. Our offerings include a Modification Shop, Custom Shop, Hand Painted pedals, Bass Effects, and the ever growing core line of Guitar Effects. Our goal is to deliver the service, quality, and unique tones that you want and need as a player. You can purchase a JHS Pedal knowing that you are employing real people who live in the midwest of America; people who put quality first when caring for each pedal by hand.

JHS Pedals is located on the outskirts of Kansas City, Missouri.

12411 Grandview Road  
Grandview, MO 64030

We can be reached by phone Monday through Thursday  
9:00am-5:00pm CST by calling 816.216.7953

**[www.jhspedals.com](http://www.jhspedals.com)**



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