SUNSET

dual overdrive

USER MANUAL

strymon®

Front Panel

• A

Toggles between 3 different Drive circuits for the A effect.

Ge - A circuit combining the softer response of Germanium diodes with a parallel path that blends in the dry signal as the Drive is lowered. At higher gains the lower-mid-range frequencies are emphasized to create a tight, thick response.

texas - A single stage soft-clipper configuration that is filtered before and after the gain stage to create a smooth and dynamic overdrive. Perfect for playing the blues or just fattening up your sound with a signature mid-range bump.

treble - A clean boost that removes the low frequencies as the Tone knob is turned up. Great for tightening up an overdriven amp, or driving another gain pedal that's a bit looser on the low end.

• B

Toggles between 3 different Drive circuits for the B effect.

2stage - The 2stage overdrive combines a soft-clipping stage followed by a hard-clipping stage, creating a complex overdrive with a wide range of gain. Its EQ structure preserves the low end while adding some muscle to push your amp. This overdrive can easily take you from lightly clipped to beefy saturation.

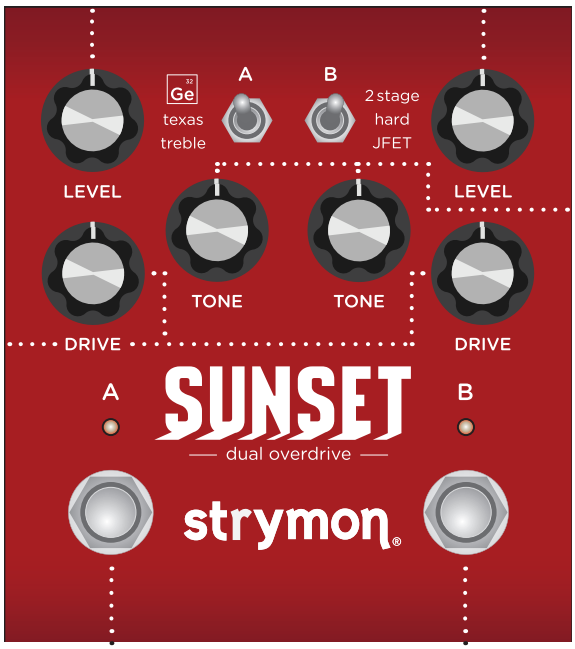
hard - A single-stage hard-clipping circuit that has a ton of gain on tap, approaching fuzz territory with the Drive knob maxed. At lower gains, mildly clipped transparent tones are achieved.

JFET - A clean boost that subtly beefs up your signal with the dynamics and response of a JFET front end. As you turn up the drive, the signal gets rounded and warmer.

Front Panel (cont.)

• **LEVEL**

Controls the output volume of each channel.



• **DRIVE**

Adjusts the amount of gain applied to each channel.

• **TONE**

Adjusts the treble frequencies for each channel. The character and response of the control varies with the circuit type.

• **A (footswitch)**

Engages and bypasses the A channel. Red LED on indicates that the effect is engaged. Press and Hold the A footswitch to save a Favorite preset to access with an external Favorite switch. (*See page 6 for more info about the Favorite preset.*)

• **B (footswitch)**

Engages and bypasses the B channel. Red LED on indicates that the effect is engaged.

Rear Panel

• BRIGHT switch

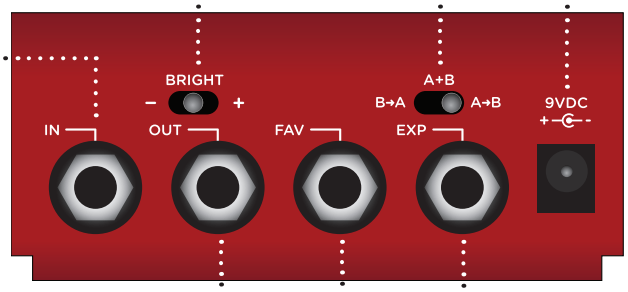
Tailors the highest frequencies of the output signal. Try the middle for a balanced sound with most setups. Try minus (-) for a smooth top end. Try plus (+) to cut through with a warm amp/speaker setup.

• CONFIG switch

Selects the effect order for the 2 sides of Sunset. Selecting A+B will place the effects in a parallel signal chain.

• POWER

Use an adapter with the following rating: 9VDC center negative. 250mA minimum.



• IN

Mono instrument input.

• OUT

Mono signal output.

• FAV IN

Connect a MiniSwitch to remotely toggle a Favorite preset. (*See page 6 for more info.*)

• EXP

Can be used in one of two ways with a standard TRS expression pedal:

Expression Pedal Mode – Allows continuous control over any of the knobs (*See page 9 for more info*).

Volume Mode – Allows control of the output volume of the effect. (*See page 10 for more info*).

Noise Gate Threshold

Sunset has a variable-threshold noise gate feature to tame hum and buzz when you're not playing. A downward expander with advanced signal detection techniques creates a seamless transition to noise gate silence with all types of input signal dynamics, including staccato bursts and slowly sustained notes.

1. Press and hold the B footswitch until the A LED blinks.

   Release the B footswitch.

2. Turn the LEVEL knob on the A side past the 12 o'clock noon position to engage the noise gate.

   The A LED will change from **GREEN** to **AMBER** to indicate the noise gate has been engaged. Turning LEVEL past 12 o'clock increases the noise gate threshold for louder and noisier setups. The A LED will change from **AMBER** to **RED** to indicate the increased noise gate threshold level.

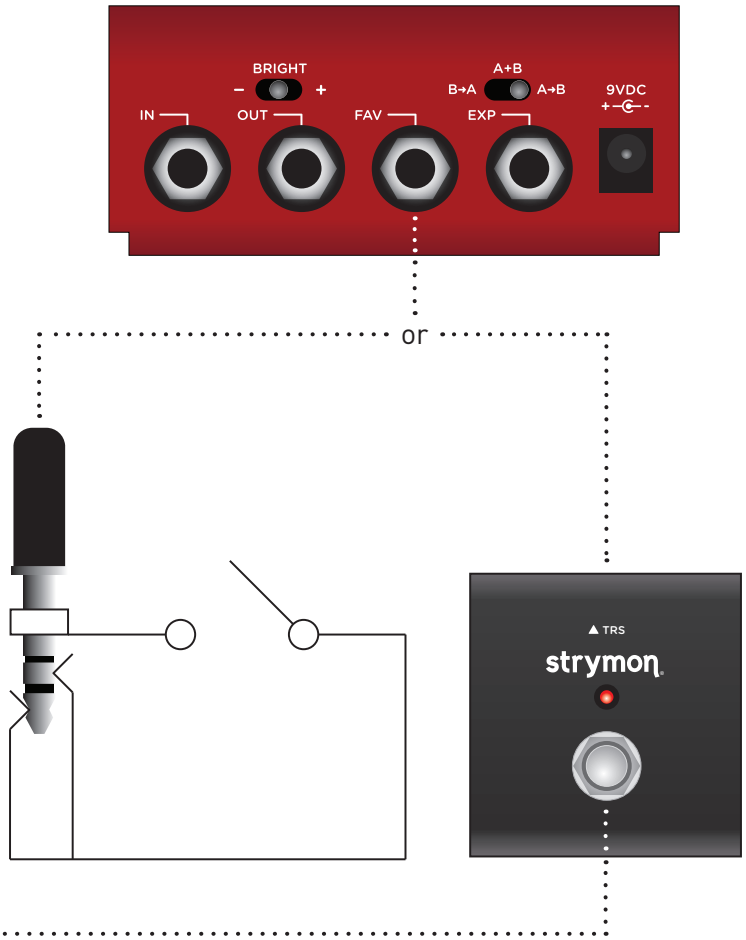
3. Press the B footswitch to store the new noise gate setting to Sunset.

   The noise gate setting can be saved independently for both the Favorite and Manual settings of Sunset.

FAV Switch Setup

Connect MiniSwitch or other external latching footswitch with a TRS cable to store and recall your Favorite setting.

1. Connect a(n) external switch to the FAV jack of Sunset.
2. Dial in your desired sound on Sunset.
3. Press and hold the A footswitch for 2 seconds to save this setting as a new Favorite sound.
4. Step on the external footswitch to toggle between your favorite setting and the current setting on Sunset.



NOTE: Along with the knobs and toggle switches on the face of the pedal, the setting of the BRIGHT and CONFIG switches along with the bypass state of each side of Sunset is stored with the Favorite preset.

COMPARE MODE

As knob and switch settings are adjusted with the FAVORITE engaged, the LED temporarily changes from **RED** to **GREEN** when the current position is identical to the saved favorite.

Power Up Mode – Bypass Mode Selection

Setting Sunset to Buffered Bypass mode preserves the high frequency response of your guitar signal through your pedal chain and long cable runs.

1. Press and hold the B footswitch while powering up the pedal.

2. Turn the LEVEL knob on the B side to select True Bypass or Buffered Bypass.

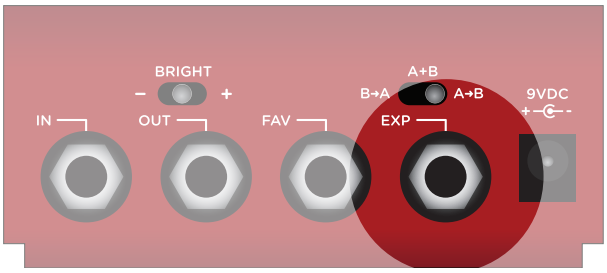
GREEN (LEFT) - True Bypass (default)

RED (RIGHT) - Buffered Bypass. A connected expression pedal will still work in Volume Mode when using Buffered Bypass.

3. Press the A or B footswitch to store the Bypass mode and begin using Sunset.

Power Up Mode - Expression Jack Options

Selecting what the EXP jack will do.



1 Press and hold the A footswitch while powering up the pedal.

2 Turn the LEVEL knob on the B side to set the EXP jack mode.

- **GREEN (LEFT) - Expression Pedal Mode** (*See page 9 for more info*)
- **RED (RIGHT) - Volume Mode (Default)** (*See page 10 for more info*)

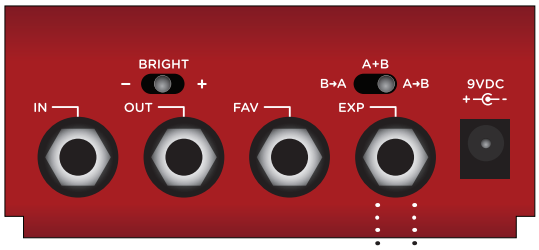
3 Press the A or B footswitch once again to store power up modes and begin using Sunset.

NOTE: Power up modes are saved for all future power ups until they are changed again with the steps above.

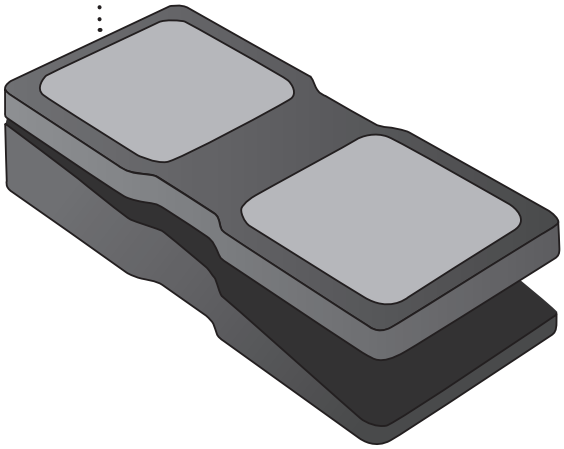
Expression Mode

Use a TRS Expression pedal to control the knobs of Sunset

1. Connect the Expression pedal to the EXP jack of Sunset using a TRS cable.



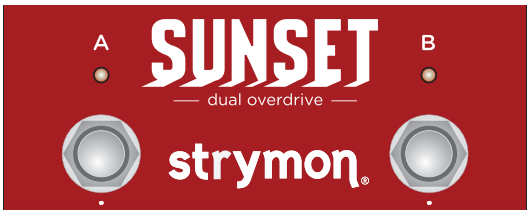
2. Press and hold both A and B footswitches for a few seconds until both LEDs begin blinking **GREEN**.



3. Rock the expression pedal back to the HEEL position and only the A LED will blink **GREEN**.

4. Set the knobs the way you would like them to be in the HEEL position. The A LED will turn **RED** to indicate that the setting has changed.

5. Rock the expression pedal forward to the TOE position and only the B LED will blink **GREEN**.



6. Set the knobs you would like to control to the setting for the TOE position of the expression pedal. The B LED will turn red to indicate that the setting has changed.

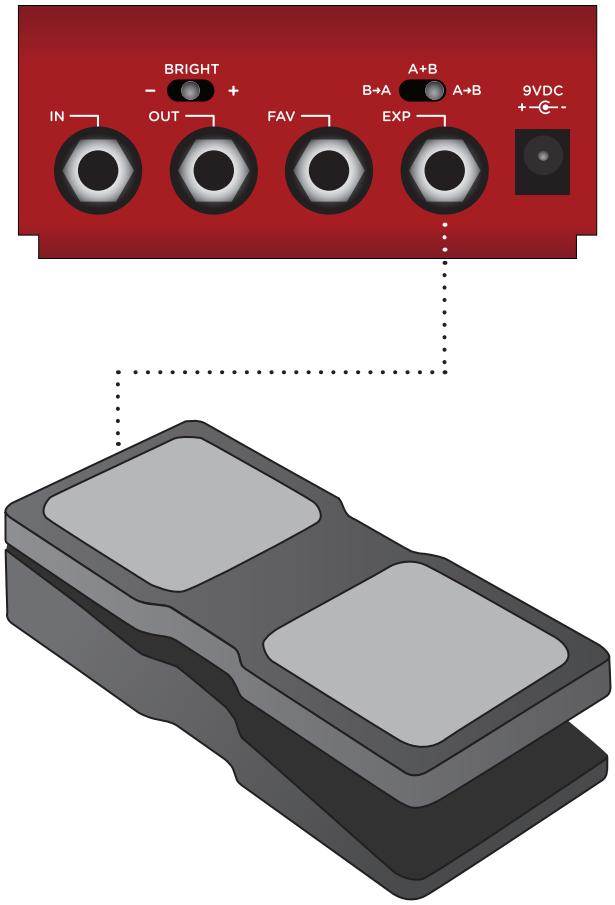
7. Press the A or B footswitch once to save the expression settings.

NOTE: Expression pedal settings are global and will affect both the manual and saved Favorite preset settings on Sunset.

Volume Mode

Use a TRS Expression pedal to control the output volume.

1. Connect the Expression pedal to the EXP jack of Sunset using a TRS cable.



NOTE: When Sunset is in Buffered Bypass mode and the Expression Jack is configured for Volume Mode, the pedal will still function as a Volume pedal whether the effect is bypassed or engaged.

Factory Reset

Restore the pedal to factory power up modes and secondary functions.

1. Press and hold the B footswitch during power up. Both LEDs will blink.

2. Release the footswitch and turn the A channel LEVEL knob from 0-100% and back two (2) times. The A channel LED will change to **AMBER** at the extremes of the knob range and blink **RED** to indicate that the reset is taking place.

   Once the A channel LED stops blinking **RED**, the reset is complete and Sunset is ready for use.

FACTORY SETTINGS

- **EXP Input Jack:** Assigned to work in VOLUME PEDAL mode.
- **Expression Pedal Mode Assignment:** Assigned to control both DRIVE knobs simultaneously.
- **Noise Gate:** OFF
- **Bypass Mode:** True Bypass

Sample Settings

Heavy Stack

A+B
B→A A→B

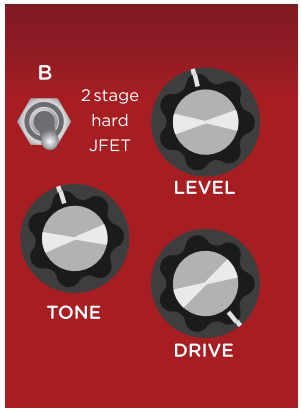
Blues Stack

A+B
B→A A→B

Fat Stack

A+B
B→A A→B

Texas Classic

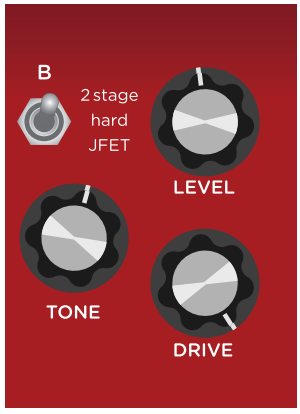


Dirty FET Boost

Defined Fuzz

A+B
B→A A→B

Thick & Juicy



Harmonic Drive

Features

- Two independent effects that can be configured and controlled separately or blended together as a single effect
- The ability to run the two effects in series (in either direction) or parallel
- Six hand crafted circuit algorithms provide a wide range of drive from clean to heavy distortion
- Bright Switch tailors the sound for use with all amplifiers from dark to bright
- Expression pedal input provides seamless morphing between different sounds (Expression mode), or smooth volume control with logarithmic taper (Volume mode)
- Optional external Favorite switch toggles between a saved favorite setting and the current settings on the pedal
- Selectable noise gate minimizes buzz and hum
- Premium analog front end and output section
- Ultra Low Noise, high performance A/D and D/A Converters
- High Performance DSP
- Rugged & Lightweight Anodized Aluminum Chassis
- True Bypass
- Selectable high-quality, transparent analog buffered bypass

Specifications

Input Impedance	500k Ohm
Output Impedance	100 Ohm
A/D & D/A	24-bit 96kHz
Max Input Level	+8dBu
Frequency Response	20Hz to 20kHz
DSP performance	1585 MegaFLOPS
Bypass Switching	True Bypass (electromechanical relay switching)
Dimensions	4.5" deep x 4" wide x 1.75" tall (11.4 cm deep x 10.2 cm wide x 4.4 cm tall)

Power Adapter Requirements

Use an adapter with the following rating: 9VDC center negative; 250mA minimum.

Strymon Non-Transferrable Limited Warranty

Warranty

Strymon warranties the product to be free from defects in material and workmanship for a period of two (2) years from the original date of purchase when bought new from an authorized dealer in the United States of America or Canada. If the product fails within the warranty period, Strymon will repair or, at our discretion, replace the product at no cost to the original purchaser. Please contact your dealer for information on warranty and service outside of the USA and Canada.

Exclusions

This warranty covers defects in manufacturing discovered while using this product as recommended by Strymon. This warranty does not cover loss or theft, nor does the coverage extend to damage caused by misuse, abuse, unauthorized modification, improper storage, lightning, or natural disasters.

Limits of Liability

In the case of malfunction, the purchaser's sole recourse shall be repair or replacement, as described in the preceding paragraphs. Strymon will not be held liable to any party for damages that result from the failure of this product. Damages excluded include, but are not limited to, the following: lost profits, lost savings, damage to other equipment, and incidental or consequential damages arising from the use, or inability to use this product. In no event will Strymon be liable for more than the amount of the purchase price, not to exceed the current retail price of the product. Strymon disclaims any other warranties, expressed or implied. By using the product, the user accepts all terms herein.

How to Obtain Service Under this Warranty

For North American customers: Contact Strymon through our website at **strymon.net/support** for Return Authorization and information. Proof of original ownership may be required in the form of a purchase receipt.

For International Customers: Contact the Strymon dealer from which the product was purchased from in order to arrange warranty repair service.