



THANK YOU FOR PURCHASING THE EBS BILLY SHEEHAN SIGNATURE DRIVE DELUXE PEDAL

Thank you for purchasing the Billy Sheehan Signature Drive Deluxe!

My new Deluxe pedal has more gain! It really screams. Much more than the first version, but you can always tone it down if you like. Also, one very unique feature that I think will appeal to a lot of people is the "swappable" 8 pin dual inline op amp. You can basically make it your own signature drive by replacing the main drive chip with another of your choice! Also, there's a phase reverse switch for the drive channel that gives tones a very different dimension. And a "boost" switch to kick the drive into a much higher gain. All exciting new features that will make it easier for players to fine tune this device to their own personal needs.

/Billy Sheehan, January 2016

Ps. In case you wondered, it also shares all the great features from the original version that's been a real success.

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amps and accessories.



THE CONTROLS

DRIVE



TONE



LEVEL



CLEAN



COMP



PHASE



DRIVE sets the gain for the classic overdrive engine, all from subtle to high gain tone.

TONE is used to fine tune the desired frequency scoop, ranging from lower to higher midrange.

LEVEL is the level control for the drive channel. This one is located post Drive Loop and before the final compressor.

CLEAN is the level control for the clean channel. This one is located post Clean Loop and before the final compressor.

COMP SWITCH controls the operation of the compressor, placed after the loops and the channels mix point.

HIGH - Maximum compression is achieved with a makeup gain of 6 dB.
MID - A makeup gain of 3 dB is added in this mode. The level can be changed by the setting of the Comp trimmer inside (see advanced options).
OFF - Compression is disabled.

PHASE SWITCH set in normal position equals the original version of the pedal. The *INVERTED* position retain more bottom to the sound when using the drive.



BOOST FOOT SWITCH boosts the Drive gain level when activated.

ON/OFF FOOT SWITCH Switches the pedal on or off.

ADVANCED CONTROL OPTIONS (as illustrated on next page)

REPLACEABLE OP-AMP CHIP - The chip can be removed and replaced without need of soldering. Try a different 8-pin op-amp for a different drive character. See EBS website for recommendations.

BOOST (trimmer) - Sets the level of the boost footswitch from +3 to +10 dB

THR. (trimmer) - This control sets the threshold level for the compressor. By turning this trimmer clockwise the threshold level will be lower, i.e. the compressor will react at lower levels.

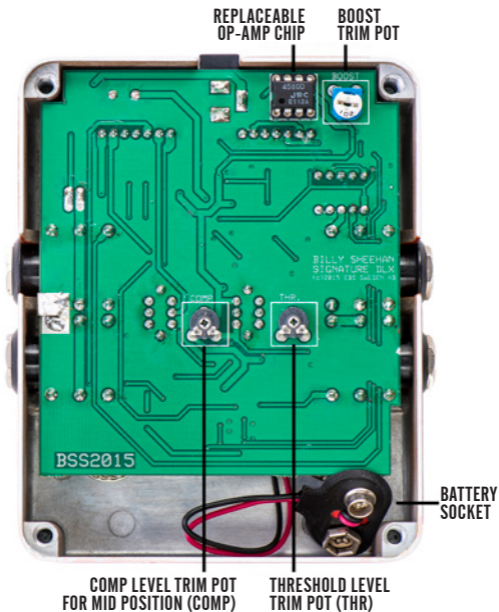
COMP (trimmer) - This control sets the amount of compression when the compression mode switch is in the MID position.

NOTE: The factory setting for these trimmers is CENTER position.

POWER OPTIONS

DC POWER ADAPTOR We recommend the use of a DC Power Supply, such as the *EBS AD-9+*. The pedal handles 9-12 V DC, and require a 2.1 mm pin center negative type of connector.

BATTERY The pedal can run on battery (not included). Use a 9V alkaline type; 6LR61.



USING THE LOOPS

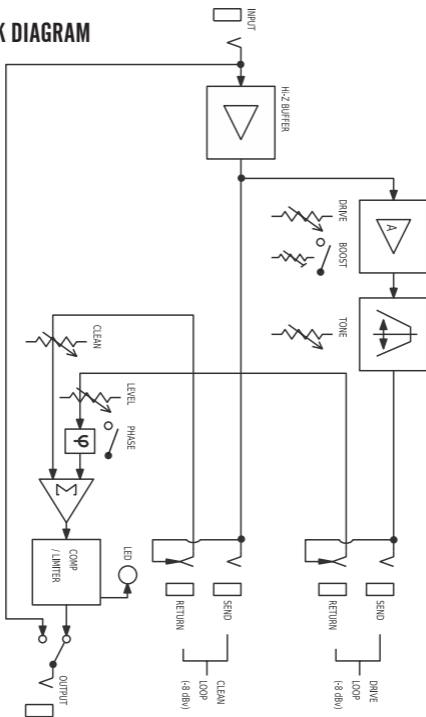


The Billy Sheehan Signature Drive Deluxe pedal gives you the option of using additional effects or units for the two channels independently before the final mix level setting on the pedal.

When using the loops, use an insert cable of a standard TRS type, such as the EBS ICY-30, where the RING is the SEND signal, and the TIP is the RETURN signal back to the pedal.

Note: You may also connect a mono plug directly into the insert jacks without damaging the send output. This gives you the option of mixing different sources without necessarily using the send signal.

BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

Nominal Input Level		- 8 dBv
Input Impedance		700 kohms
Gain Range*	Drive	20 - 50 dB
Boost	adjustable	+3- 10 dB
Tone Filter	Range	175 - 4500 Hz
	Q	0.7-0.9
Nominal Loop Level		-8 dB
Output Impedance	Loops	2 kohms
Input Impedance	Loops	47 kohms
Mix Level	Drive Channel	+3 dB max
	Clean Channel	+6 dB max
Compressor	Ratio	5:1 (max)
	Threshold	-25 +6 dB
	Attack Time (80%)	< 7 ms
	Release Time (80%)	75 ms typ
	Makeup gain	0, +3, +6 dB
Output Impedance		< 100 ohms
Dimensions	W x H x D	3.5" x 4.5" x 1.4" (90 x 115 x 35 mm)
Weight		480g (1.07 lb.)
Type		Analog Effect, Relay type Switching
Power Requirements	9 - 12 V DC Regulated, 35 mA max. Protected against accidental over voltage up to 18 V.	

* Depending on which drive circuit being used.

Specifications are subject to change without notice.

If you did not find the answer in this manual, please contact EBS at support@ebssweden.com