



BLEND

MID
LOW



F



ATTACK



LEVEL



COMPRESSION

STUDIO BASS

COMPRESSOR



Seymour Duncan

-STUDIO BASS- COMPRESSOR USER'S GUIDE



STUDIO BASS

Compressor

Congratulations on your purchase of the Studio Bass Compressor Pedal.

The Studio Bass is a studio-grade, classic compressor in a user friendly 4 knob format. Our unique Blend knob and 3 way mini-toggle switch allow you to select the frequency range of the original uncompressed signal as well as infinitely adjust the amount of “wet” versus “dry” signal that is routed to the output.

It's often best to put a compressor at the beginning of your effects chain, but sometimes it can work more efficiently when placed after effects such as an auto wah or envelope filter. You won't do any damage by putting your effects in the so-called wrong order, so feel free to experiment and find what works best for your sound.

Typical applications for the Studio Bass include:

- Accentuate picking and single note runs
- Increase sustain
- Even out all of the notes

HOW IT WORKS

1 Blend - Determines how much of the original signal is blended back into the compressed signal. This control allows you to play above the compression threshold to bring the natural snap back to individual notes or a passage when you really dig in.

2 Low/Full/Mid Switch - This switch works in concert with the Blend knob. It determines the frequency content of the dry signal being blended in with the compressed signal. Using the Frequency switch and the Blend control, you can restore some of the dynamic range lost in compression and choose to be frequency selective or dial it in full range.

- In the "Low" position, frequencies below 200 Hz are given more emphasis in the dry blend.
- In the "Full" position, all frequencies are given equal weight in the dry blend.
- In the "Mid" position, frequencies in the range from 150 Hz to 1.5 kHz are given more emphasis in the dry blend.



Battery Door (on back panel)

3 Compression – This knob is the heart and soul of the Seymour Duncan Compressor as it determines the amount to which you will limit the dynamic range. You will need to carefully balance your Compression and Attack settings. If you turn the Compression to maximum, you will want to keep the Attack control at or near minimum to avoid pumping, breathing or other unnatural artifacts. To some degree, you can offset these effects by using the Blend control to bring uncompressed signal back into the mix.

4 Attack – This crucial control regulates how quickly the compressor reacts to your initial pick attack with the circuit acting to compress the input signal. For increased dynamics, a higher setting will give a late attack that allows your pick or finger dynamics to come through before the compression kicks in.

5 Volume – Always important, this knob can be used to achieve the desired level balance between the sound through the compressor and the bypassed sound. Balance this with the sustain knob to provide as natural an

effect as possible. Alternatively, to use the Studio Bass as a clean boost, set the output to a higher setting and lower the amount of compression.

6 Status LED – Indicates when the Studio Bass Compressor is active. LED is on when the unit is engaged, off when in true by pass mode.

7 True Bypass Footswitch – Removes the circuit from your bass' signal via a hardwired connection from the input jack to the output jack.

8 Input Jack – Plug in your bass or other pedal cable here.

9 Output Jack – Run a cable to the input of your amp or to the next effect in your chain.

10 Power Jack – We designed this pedal to be convenient. You can use any 9V to 18Vdc regulated adapter (negative polarity center terminal).

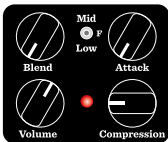
11 Easy Access Battery Door – When pedal is not in use, save your battery life by removing your cable from the input jack.

LET'S GET STARTED!

1. Start with the unit in bypass mode (LED off). Set Blend knob all the way counter clockwise (off) and all other knobs set at 12 o'clock.
2. Turn on the Studio Bass Compressor by pressing the footswitch - the LED will light up red when it's active. Adjust Volume knob and your amp level to achieve desired overall volume.
3. Experiment with Compression and Attack knobs to get desired "wet" or compressed tone.
4. Select frequency range on mini-toggle switch and gradually bring up Blend knob to re-introduce the dry signal to the compressed signal. Blend "wet" versus "dry" to taste. Now experiment with the frequency switch to hear the tonal possibilities.
5. Flavor to taste.

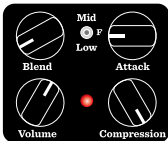
SAMPLE SETTINGS

Compression is a subtle effect, so try some of these example settings out as a way of finding the best for you.



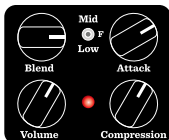
Subtle Compression

Add just a little compression to your overall tone to even things out.



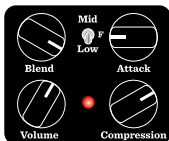
High Compression

A large amount of compressed tone mixed with very little dry signal. Great for smoothing out the dynamics in slap-style playing and keeping the pulled notes from becoming too harsh and overbearing.



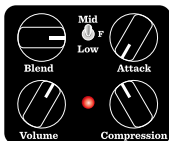
Sharp, Fast

Add a little sparkle and punch to your top end without sacrificing any of your low end tone!



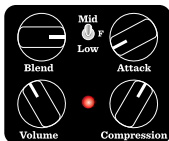
Reggae

Give your sound that fat bottom end you need to have for Reggae, Funk and World music.



Round and Fat

Great for ballads, Motown, and anytime you want a vintage tone with a nice even amount of top, mid, and bottom.



Punchy Rock

Add an aggressive midrange punch to your overall tone while maintaining a fat bottom end.

STUDIO BASS

Compressor

SPECIFICATIONS

General Description – A low noise, low distortion soft-knee compressor/limiter pedal with a very wide-range of available compression ratios and simple, intuitive control of compressor dynamics.

Compression Ratio: Soft-knee, adjustable from 1:1 to > 20:1

Maximum Compressor Gain: +33dB

Attack Speed: Adjustable from 8ms to 27ms

Input Impedance: 1 Megohm

Output Impedance: 2.75K ohms maximum

Maximum Input Level: 3 Vrms

Distortion: < 0.3% at 300mV RMS output at 1 kHz

Noise referred to Input: -110dBV, 400 Hz – 20 kHz, input shorted

Compressor Type: Voltage Controlled Amplifier (VCA)

Power: 9V battery or 9V to 18 Vdc regulated adapter, center pin negative polarity

Current Consumption: 21mA operate, 19mA bypass

Dimensions: 2.60" wide X 5.0" long X 1.45" high

Weight: 0.67 lbs.

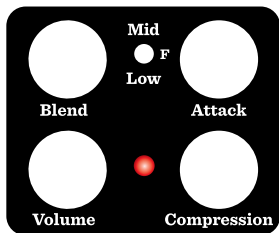
LIMITED WARRANTY

Seymour Duncan offers the original purchaser a one-year limited warranty on both labor and materials, from the day this product is purchased. We will repair or replace this product, at our option, if it fails due to faulty workmanship or materials during this period. Defective products can be returned to your USA dealer, international distributor, or sent direct to our factory postage prepaid along with dated proof of purchase (e.g., original store receipt) and RMA number. Call or email our factory for an RMA number, which **must be written on the outside of the box**. We reserve the right to refuse boxes without an RMA written on the outside. As you might expect, this warranty does not apply if you've modified the unit or treated it unkindly, and we can assume no liability for any incidental or consequential damages which may result from the use of this product. Any warranties implied in fact or by law are limited to the duration of this express limited warranty.

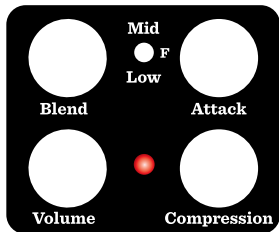
DISPOSAL GUIDELINES

In the unlikely event that you ever need to dispose of this product, it must be disposed of properly by handing it over to a designated collection point for the recycling of waste electronic equipment. Please contact your local household waste disposal service or the shop where you purchased this product for those locations. Thanks for helping us conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

PERSONAL SETTINGS

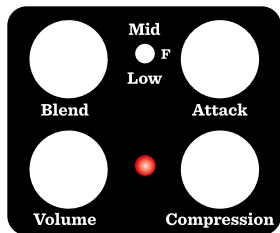


USER NOTES

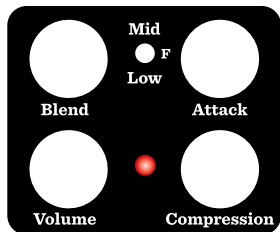


USER NOTES

PERSONAL SETTINGS



USER NOTES



USER NOTES

WHAT WE STAND FOR

We stand for great tone:
It's the heart. The soul. The essence. The
core of the sound.

We stand for musicians. Because soul
matters. Spirit matters. Music matters.

We stand for quality. We're an American
original. An industry leader. And we're
always innovating.

We stand by our work. Our passion. Our
history. It's in everything we build. In
everything we touch.

We stand for great tone. Music. Power.
Heart. Soul. Tone. It's who we are. It's
what we do.

We are Seymour Duncan.





Seymour Duncan

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