

# Suncoast

## CUSTOM AMPLIFICATION

### BC3 STEREO BASS PREAMP

### OWNERS MANUAL



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## **1.1 Introduction**

Thank you for purchasing the SUNCOAST – BC3 Stereo Bass Preamp. It is our commitment to providing our customers with the highest quality, musical instrument preamp/processors, designed and built in the USA. Utilizing our vast experience with classic designs over the past 35 years, we set out to recreate that unique sound from some of our personal favorite artists.

## **1.2 Features**

The following is a summary of your BC3 Bass Preamp's unique features:

- The Ultimate Stereo Bass Preamp for Electric Bass and Synth Bassist's.
- Two Classic Solid-State preamps with an extra added Boost Preamp in parallel with Channel 1.
- Active 3-Band EQ with variable frequency parametric Midrange control.
- "Musical" Stereo limiter designed for Bass with adjustable Threshold.
- Pushbutton switches for Input Mix, Mono Out and Channel select modes.
- Boost Preamp – Drive and Volume controls with adjustable EQ.
- Boost footswitch engages massive Overdrive Bass Distortion.
- Ability to blend the Overdrive sound in parallel with the clean preamp signal.
- Buffered True Bypass footswitch.
- Ultra quiet, 560KHz switch mode DC power supply for +/-15V internal operation.
- Solid, Diecast Aluminum Enclosure, Durable Black Satin Powder Coating - Dimensions 4.7 x 7.4 x 1.3"

## 2.1 Front Panel Layout



## 2.2 Preamp Controls for Channel 1&2

**Boost Switch** – Adds +20dB extra treble boost to the input Drive control.

**Drive** - This control adjusts the input level of the clean preamp.

**Bass** – The Bass control adjusts the amount of low frequencies.

**Midrange** – The Midrange control adjusts the amount of mid frequencies.

**Freq** – Variable frequency control for midrange.

**Treble** – The Treble control adjusts the amount of high frequencies.

**Lim LED** – LED indication of limiter activity.

**Volume** – The Volume controls the preamp channel's output level.

**Boost Drive** – This control adjusts the input level of the Boost preamp.

**OD Switch** – Selects Normal or “Super Boost” Overdrive modes.

**Limiter** – This control adjusts the Threshold level of the stereo Limiter.

**IN Switch** – Turns “ON” the Limiter.



**Channel Footswitch** – Selects Channel 1 or 2.

**Boost Footswitch** – Engages the Overdrive Preamp on CH1.

**Bypass Footswitch** – Engages the Bypass mode.

**Input Mix Switch** – Mixes Input 1&2 signals together “Mono” before Channel 1&2 Drive controls.

**Mono Out Switch** – Mixes Channel 1&2 outputs to “Mono” post Limiter.

**Channel Mode Switch** – Changes Channel footswitch operating mode.

## 2.3 Rear Panel Layout



## 2.4 Rear Panel Jack Description

**Power Input** - Power input jack, 9VDC @ 1300mA (Center–Negative).

**Input 1** - Input jack 1.

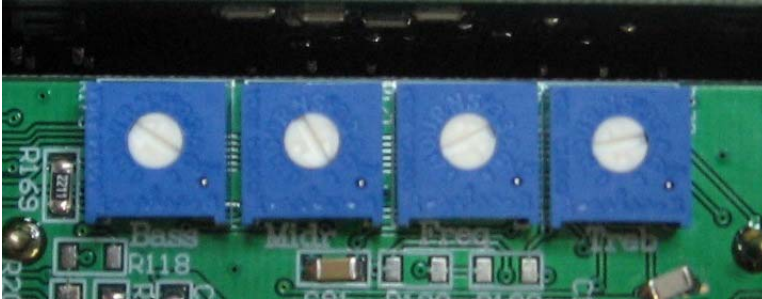
**Input 2** - Input jack 2.

**Boost Vol** – Boost Preamp Output Volume Control.

**Output 1** - Channel 1 output jack.

**Output 2** - Channel 2 output jack.

## 2.5 Boost Preamp EQ Controls



**Boost Preamp EQ** – Controls are accessible thru the bottom cover. The internal Bass, Midrange, Mid Frequency and Treble trimpots can be used to customize your Boost Overdrive tone.

### Boost Preamp EQ Specs:

1. Bass – Active +/-15dB Low tone control (50Hz).
2. Midrange – Active +/-15dB Mid tone control.
3. Mid Freq – Variable Mid Frequency control (100Hz to 3kHz).
4. Treble – Active +/-15dB High tone control (4KHz).

## Instrument Patching

Instrument > BC3 (Input)>BC2 (Output)>Power Amp Input>Speaker

### 3.1 Preamp Tone Settings

These settings are merely a suggested starting point from which you can set to your own personal taste.

Drive – 7 (With the Boost switch (IN) adjust to 3 for a starting point)

Bass – 6

Middle – 4

Freq – 300

Treble – 5

Volume – 5 (adjust for desired loudness)

## 3.2 Specifications

Input Voltage – 9VDC

Current Consumption – 390mA (Idle)

Input Impedance – 1Meg Ohm

Output Impedance – 600 Ohms

Dimensions – 7.4”W x 4.7”H x 1.3”D

Weight – 1.1lbs

## 3.3 Operating Instructions

- Always connect your instrument input and preamp output prior to turning the unit or pedal board ON.
- Use only quality coaxial instrument cable (guitar cord) patching your preamp to your amplifier.
- Always connect the unit a proper power source and use a grounded outlet strip, otherwise a shock hazard may result, especially when the unit is connected to other equipment. Domestic 9VDC power adapters should be connected to 115VAC, 60 Hz. Connection to improper line voltage may cause permanent damage.
- Do not expose this unit to rain or excessive moisture. This may cause a shock hazard or damage to the unit.

**SAFETY NOTICE: There are no user serviceable parts inside the unit. Refer servicing to qualified personnel only.**