

# Suncoast

## CUSTOM AMPLIFICATION

### BC2 BASS PREAMP OWNERS MANUAL



Sluggo Music Technology LLC, Copyright 2018  
All Rights Reserved.

## Sluggo Music Limited Warranty

Sluggo Music Technology LLC warrants this product to be free of defects in material and workmanship for the period of one year from the date of original purchase. This warranty is only applicable to the original retail purchaser. To be protected by this warranty, the purchaser must complete the online warranty form within 14 days of the date of purchase. During the warranty period Sluggo Music shall, at its sole discretion, either repair or replace, free of charge, any product that it deems to be defective upon inspection by Sluggo Music Technology LLC or its **authorized service representative**. To obtain warranty service, the purchaser must first obtain a Return Authorization Number from our service department and shipping address where to return the unit for service. All authorized returns must be sent to our service department postage prepaid, insured for full replacement value, properly packaged and accompanied with a description of the problem. Sluggo Music reserves the right to update any unit returned for repair and the right to change or improve the design of the product at any time without prior notice. This warranty does not cover claims for damage due to abuse, neglect, alteration or attempted repair by unauthorized personnel, and is limited to failures arising during normal use that are due to defects in material or workmanship in the product only. Any warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the length of this original warranty. In no event will Sluggo Music Technology LLC be liable for incidental or consequential damages resulting from the breach of any express or implied warranty including damage to property, damage based on inconvenience or loss of use of the product, and personal injury to the extent permitted by law. This warranty gives you specific legal rights, which may vary from state to state. This warranty applies only to products sold in the United States of America. For warranty information in all other countries please refer to your local distributor.

Sluggo Music Technology LLC  
P.O. Box 913  
Dunedin, FL 34697-0913  
(727) 247-2520

[sales@sluggomusic.com](mailto:sales@sluggomusic.com)  
[service@sluggomusic.com](mailto:service@sluggomusic.com)

**“SUNCOAST” is a trademark of  
Sluggo Music Technology LLC, Copyright 2018  
All Rights Reserved**

# **1 Overview**

- 1.1 Introduction
- 1.2 Features

# **2 Controls**

- 2.1 Front Panel Layout
- 2.2 Preamp Controls
- 2.3 Rear Panel Layout
- 2.4 Rear Panel Jack Description
- 2.5 Boost Preamp EQ Controls

# **3 Operation**

- 3.1 External Effects Patching
- 3.2 Preamp Tone Settings
- 3.3 Specifications
- 3.4 Operating Instructions

## **1.1 Introduction**

Thank you for purchasing the SUNCOAST – BC2 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 BC2 Bass Preamp's unique features:

- The Ultimate Bass Preamp for professional Bassist's.
- Two Classic Solid-State preamps with an extra added Boost Preamp in parallel with either Channel 1 or 2.
- Active 3-Band EQ with variable frequency parametric Midrange control.
- “Musical” limiter designed for Bass with adjustable Threshold.
- 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 Effects Loop Send and Return (Preamp Out>Limiter In).
- Balanced XLR output with ground lift switch.
- 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 Boost Preamp.

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

**Balanced Output** – Balanced XLR output for PA or Recording.

**Ground Lift Switch** – Lifts Pin 3 ground connection on Balanced Output.

## 2.3 Rear Panel Layout



## 2.4 Rear Panel Jack Description

**Power Input** - Power input jack, 9VDC @ 850mA (Center–Negative).

**Input** - Input jack.

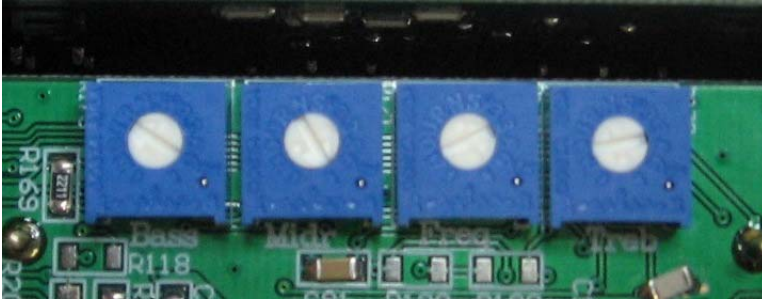
**Output** - Output jack.

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

**Send** – Effects loop Send jack.

**Return** – Effects loop Return 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 > BC2 (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 (Center-Negative)

Current Consumption – 370mA (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.**