

ROCKTRON
B A S S T E C H N O L O G Y

BASS
200

200 Watt Bass Amplifier

Instruction Manual

May be covered by one or more of the following: U.S. Patents
#4538297, 4647876, 4696044, 4745309, 4881047, 4893099, 5124657, 5263091,
5268527, 5319713, 5333201, 5402498 and 5493617.

Other patents pending. Foreign patents pending.



Your Rocktron Bass200 Bass Amplifier has been tested and complies with the following Standards and Directives as set forth by the European Union:

Standard(s): IEC60065 Professional Audio/Video or Similar
Equipment, EN55013:1997, EN61000-3-2 (1995)
EN61000-3-3(1995), EN55020:1995, CSA E65-94

This means that this product has been designed to meet stringent guidelines on how much RF energy it can emit, and that it should be immune from other sources of interference when properly used. Improper use of this equipment could result in increased RF emissions, which may or may not interfere with other electronic products.

To insure against this possibility, always use good shielded cables for all audio input connections. This will help insure compliance with the Directive(s).

PRECAUTIONS

NOTE: IT IS VERY IMPORTANT THAT YOU READ THIS SECTION TO PROVIDE YEARS OF TROUBLE FREE USE. THIS UNIT REQUIRES CAREFUL HANDLING.

- All warnings on this equipment and in the operating instructions should be adhered to and all operating instructions should be followed.
- Do not use this equipment near water. Care should be taken so that objects do not fall and liquids are not spilled into the unit through any openings.
- The power cord/adaptor should be unplugged from the outlet when left unused for a long period of time.
- Do not block any ventilation openings (if applicable). Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
- Only use attachments/accessories specified by the manufacturer.
- Do not use this product with any case, stand, tripod, bracket or table that is not specified by the manufacturer. Insure that the case, stand, tripod, bracket etc. is properly adjusted and setup (follow all instructions). Extra care and caution should be taken to avoid tip over and injury.
- Unplug this apparatus during lightning storms or when unused during long periods of time.

Refer all service to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply or plug is damaged, liquid has been spilled or objects have fallen into the apparatus or if the apparatus has been exposed to rain or moisture, does not operate normally or has been dropped.

DO NOT ATTEMPT TO SERVICE THIS EQUIPMENT. THIS EQUIPMENT SHOULD BE SERVICED BY QUALIFIED PERSONNEL ONLY. DO NOT MAKE ANY INTERNAL ADJUSTMENTS OR ADDITIONS TO THIS EQUIPMENT AT ANY TIME. DO NOT TAMPER WITH INTERNAL ELECTRONIC COMPONENTS AT ANY TIME. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY VOID THE WARRANTY OF THIS EQUIPMENT, AS WELL AS CAUSING SHOCK HAZARD.

OPERATING TEMPERATURE

Do not expose this unit to excessive heat. This unit is designed to operate between 32° F and 104° F (0° C and 40° C). This unit may not function properly under extreme temperatures.

WARNING: To reduce the risk of fire or electric shock, do not expose this unit to rain or moisture.



The lightning flash with an arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of un-insulated “dangerous voltage” within the products enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

GROUNDING INSTRUCTIONS

This product must be grounded (earthed). If it should malfunction or breakdown, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This product is equipped with a supply cord having an equipment grounding conductor and a grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with the local codes and ordinances.

DANGER - Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the product is properly grounded. Do not modify the plug provided with the product– if it will not fit the outlet, have a proper outlet fitted.

The wires in this mains cord are colored in accordance with the following code:
Green & Yellow – Earth Blue – Neutral Brown - Live

Introduction

Congratulations on your purchase of the Rocktron Bass200 amplifier!

You will feel the low-end power and thump on this gig ready amp.

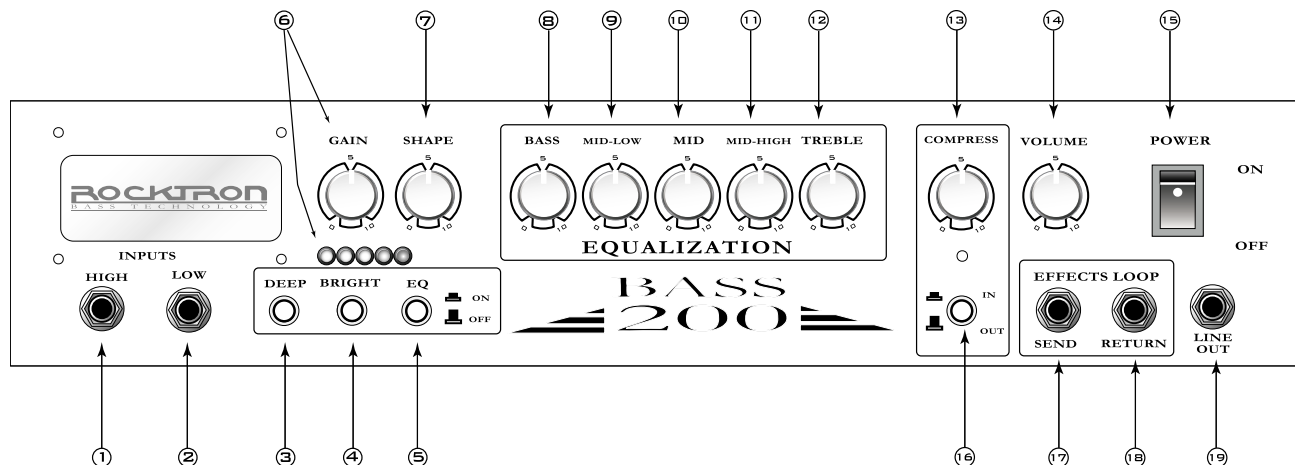
We have included many features into the Bass200:

- o High and Low Inputs
- o Gain and Master Volume Controls with clip indicating LEDs
- o Deep and Bright switch
- o 5-Band EQ with an In/Out Switch
- o Built in advanced Compressor with an In/Out Switch
- o Effects Loop jacks on the front panel
- o Line Out Jack for direct recording or plugging into a PA.
- o Speed controlled fan drive circuit.
- o Switch on delay for silent power up.
- o Relay switched speaker output lines for silent power down.

Please follow all instructions in this manual for proper operation.

Enjoy!

Front Panel



1 HIGH Input Jack

Using a standard guitar cable with a 1/4" jack - plug your bass into this jack. This input jack was designed for passive basses (without batteries), however, you may plug your active bass into this input for a higher gain structure.

2 LOW Input Jack

Using a standard guitar cable with a 1/4" jack - plug your bass into this jack. This input jack was designed for active basses (with batteries), however, you may plug your passive bass into this input for a softer gain structure.

3 DEEP Button

When the Deep button is pressed IN, a fixed EQ is applied to the preamp to give a BASS boost to the sound of +8dB at 50Hz.

4 BRIGHT Button

When the Bright button is pressed IN, a fixed EQ is applied to the preamp to give a TREBLE boost to the sound of +10dB at 10k Hz.

5 EQ Button

This button switches the EQUALIZATION section IN or OUT.

6 GAIN Control

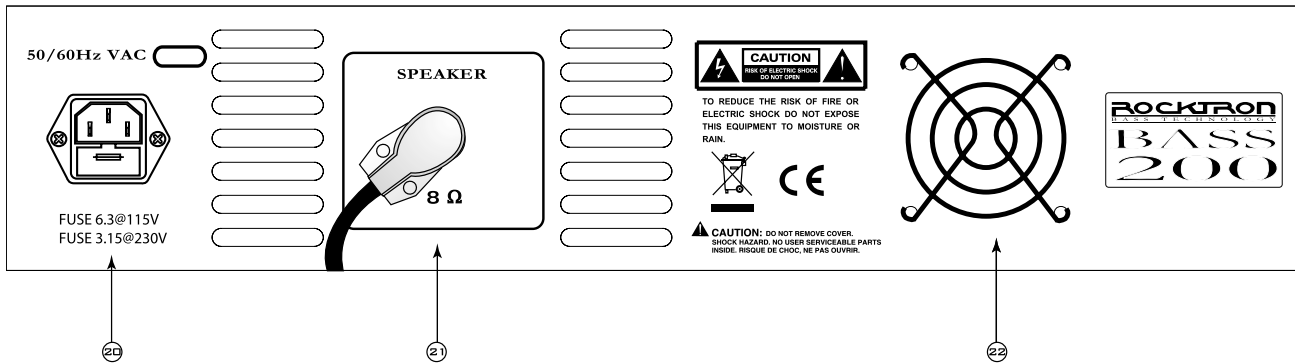
The control adjusts the overall "GAIN" or distortion of the signal.

7 SHAPE Control

This control adjusts the overall tonal shape of the EQ. Turning the control clockwise will increase the high frequencies. Turning it counterclockwise will provide a boost to the low frequencies.

- 8 **BASS Control**
This control provides a 15dB of cut or boost at 100Hz. Rotating this control clockwise will increase the lower frequencies and, depending on other settings, will generally make your tone warmer and heavier.
- 9 **MID-LOW Control**
This control provides approximately 15dB of cut or boost at 220Hz.
- 10 **MID (MIDDLE) Control**
This control allows your getting 15dB of cut or boost at 660Hz. Turn it clockwise, the sound will be fatter and more powerful.
- 11 **MID-HI Control**
This control provides approximately 15dB of cut or boost at 1.6K Hz.
- 12 **TREBLE Control**
This control provides a 15dB of cut or boost at 5k Hz. Rotating this control clockwise will increase the high frequencies producing a brighter sound.
- 13 **COMPRESSOR Control**
This controls the amount of signal compression. At the full counterclockwise position there is no compression. At the full clockwise position there is full compression. The sonic effect of compression is reduced dynamics, increased sustain and a more consistent output level regardless of how light or hard the strings are played.
- 14 **VOLUME Control**
This control determiners the overall level (output) of the amplifier.
- 15 **POWER - On/Off Switch**
This turns the amplifier on and off. When the switch is “lit” then the amplifier is “on”.
- 16 **COMPRESSOR Button**
Use this switch to turn ON or OFF the Compressor.
- 17 **SEND Jack**
Use this 1/4” unbalanced jack to send signal to a professional outboard effects processor. Output level is approximately 0 dB to +4 dB and is post-EQ and post-shape but unaffected by the setting of the volume control. It can also be used as a Line Out jack if required.
- 18 **RETURN Jack**
Use this 1/4” unbalanced jack to return signal from a professional outboard effects processor. This jack can also be used as a Line In Jack if required.
- 19 **LINE OUT Jack**
Use this jack for recording, direct to a PA system, or to a power amplifier.

Back Panel



20 AC POWER CORD

Using the included power cable connect the amplifier to a standard wall outlet. See “Fuse Replacement” section for details on how to replace the fuse.

21 SPEAKER OUTPUT Jack

The socket is situated on the rear panel of the unit. It connects to the internal speaker, you can also connect it to an external speaker cabinet.

22 COOLING FAN

It works with a speed controlled fan drive circuit. This reduces the amount of fan noise as the fans run slow when the unit is cool and increase in speed with output power demands.

Fuse Replacement

We recommend that you use an authorized repair person to change the fuse in this unit.

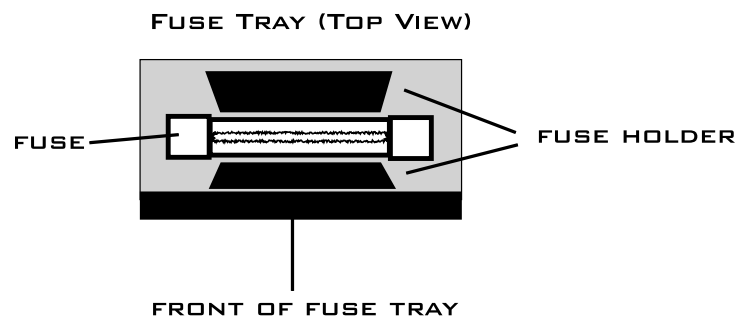
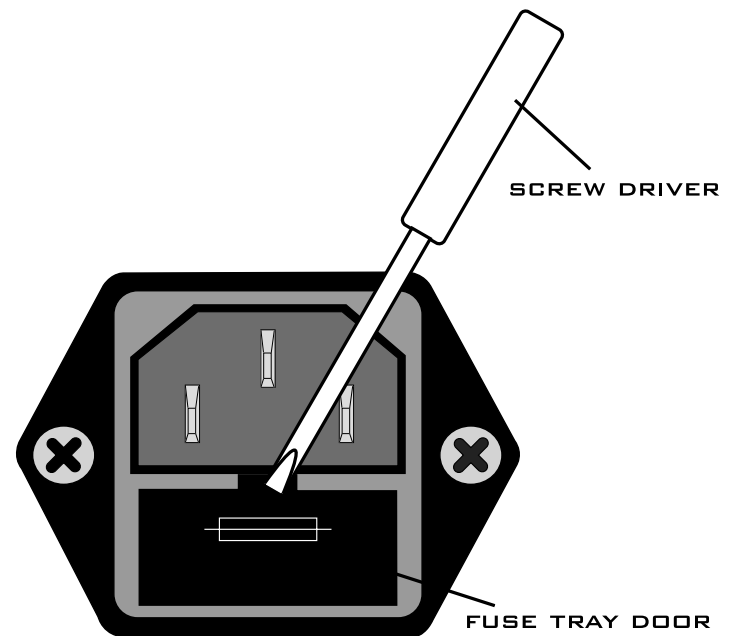
To access the fuse, first power down the unit and unplug the cable from the wall outlet and the amplifier. Using a small screw driver, open the fuse tray by prying open the small tab as shown in the drawing above.

Please note that the tray may not come all of the way out.

Remove the old fuse and replace with a comparable new fuse and close the tray being sure that the tray snaps into position.

AC 117V 50/60 HZ
Fuse 6.3 @ 115V

AC 230V 50/60 HZ
Fuse 3.15 @ 230V



Specifications

INPUTS

High Input	Impedance 3.9M Ohms	Input range 150mV to 20V p-p
Low Input	Impedance 10K Ohms	Input range 300mV to 40V p-p
Effects Return	Impedance 4.7K Ohms	

OUTPUTS

Effects Send	Impedance 4.7K Ohms
Line Out	Impedance 22K Ohms
Speaker Outputs	Min. impedance 4 Ohms

EQUALIZATION

Bass	±15dB @ 100Hz
Lo Mid	±15dB @ 220Hz
Middle	±15dB @ 660Hz
Hi Mid	±15dB @ 1.6kHz
Treble	±15dB @ 5kHz
Deep	+8dB @ 50Hz
Bright	+10dB @ 10kHz
Signal to Noise	Better than 78dB
Distortion	Less than 0.5% THD

GENERAL SPECIFICATIONS

Frequency Response	-3dB at 22 Hz and 25K Hz
Power Requirements	230 / 115V
Output Power:	200 Watts
Speaker	15" Custom Voiced Speaker

Dimensions and Weight:

Carton dimensions:	560mm x 415mm x 730mm
Carton dimensions:	22.25" x 16.5" x 28.75"
Carton Gross weight:	33.58 kg
Carton Gross weight:	74 lbs

Dimensions and Weight

Bass200 dimensions:	474mm x 334mm x 670mm
Bass200 dimensions:	18.75 x 13.25 x 26.5
Bass200 weight:	29.54 kg
Bass200 weight:	65.1 lbs

ROCKTRON

B A S S T E C H N O L O G Y

BASS 2000

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