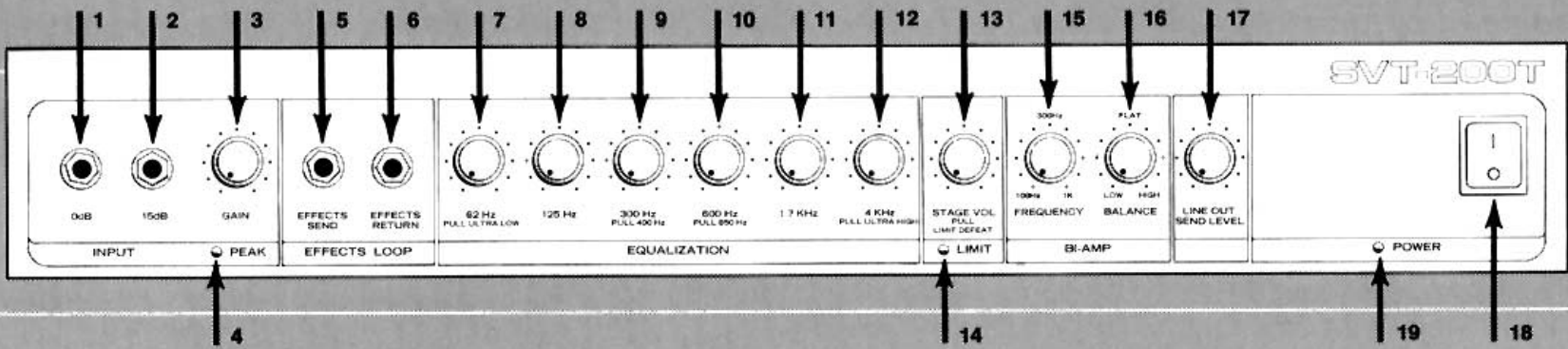




**SVT-200T Bass Amplifier  
Owner's Reference Guide**



## Front Panel Features and Functions

**Input Jacks (1 & 2)** Your SVT-200T is equipped with two preamp input jacks. The "0dB" input (1) accepts low to line level inputs. The "-15dB" input (2) is padded to accept hotter inputs such as active type basses.

**Gain (3)** The Gain control (3) is used to compensate for various input signal levels and playing styles by varying the amount of gain for the preamp. A Peak indicator LED (4) is provided which is lit at signal levels of 6dB below preamp clipping. For the most efficient clean output, the Gain control should be set such that the Peak indicator (4) flashes occasionally.

**Effects Loop (5 & 6)** Effects Send (5) and Effects Return (6) jacks are provided on the front panel of the SVT-200T. These unbalanced jacks are designed to be used as a "Pre-EQ" line level external effects loop. The Effects Send Jack (5) can be connected to the line level input of an external effect device, and the Effects Return jack (6) can be

connected to the line level output of an external effect device. This "Post-Gain" configuration is helpful in obtaining optimum input signal levels to external devices and in reducing unwanted noise associated with external effects devices. The Effects Send jack may also be used as a "direct" unbalanced send for recording, etc.

**Tone Controls (7-12)** The SVT-200T incorporates sophisticated active tone control circuitry in a configuration designed for maximum tonal variation possibilities.

Six rotary EQ controls allow you to boost or cut frequencies in the range of 62Hz to 4KHz. The range of these controls can be further expanded by the "pull" switches incorporated into several of the EQ controls: Ultra-High (12) and Ultra-Low (7) boost frequencies above and below the range of the EQ controls, the center point "action" frequency of the 300Hz control (9) may be shifted to 400Hz, and the center point "action"

frequency of the 60Hz control (10) may be shifted to 850Hz. These functions may be activated by a gentle pull out on the knob, and cancelled by a gentle push in. Note that the frequency shift will not be audible unless the control is set to a boost or cut position (away from the 12 o'clock position).

**Stage Volume (13)** The Stage Volume control (13) is used to set the overall listening level of the SVT-200T.

The SVT-200T contains a power-amp limiter circuit which is designed to limit maximum output power to just below the "clipping" point (full undistorted power). This limiter circuit can be turned off by gently pulling the Stage Volume control (13). A Limit indicator LED (14) is provided, which is lit whenever the limiter is actually limiting the signal.

### **Bi-Amp Controls (15 & 16)**

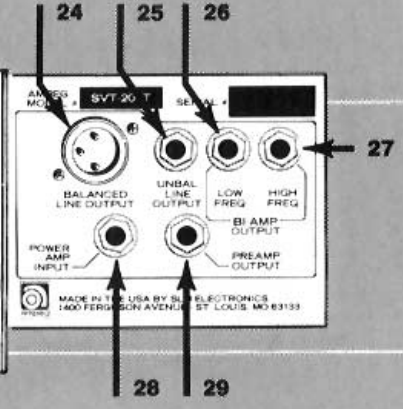
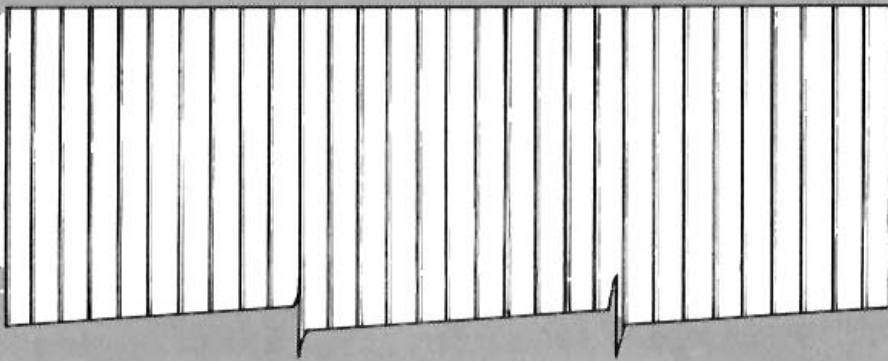
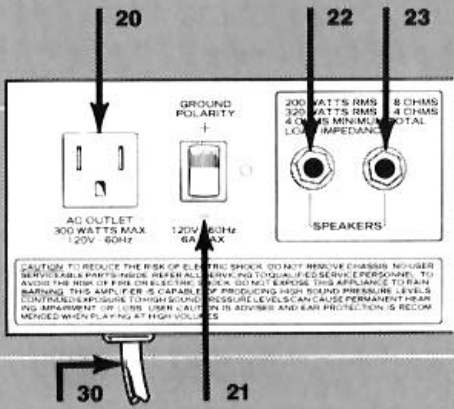
The SVT-200T contains a bi-amp crossover circuit which splits the preamp output signal into High and Low Frequency outputs (26 & 27) on the rear of the unit.

The Frequency control (15) determines the crossover frequency (splitting point) of the Bi-Amp outputs. The Bi-amp Balance control (16) varies the relative levels of the Bi-amp Outputs. This allows matching the outputs to power amplifiers with different sensitivities or for adjusting the overall tonal balance. The level of the Bi-amp Outputs is adjusted by the Stage Volume control (13) in conjunction with the Bi-amp Balance control (16).

### **Line Out Send Level (17)**

This control adjusts the output level of the Balanced and Un-balanced Line Output jacks (24 & 25) on the rear panel of the SVT-200T.

**Power Switch (18)** The SVT-200T is turned on by depressing the "1" marked on the Power Switch. The Power indicator LED (19) should be lit when the amp is on.



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## Rear Panel Features and Operation

### Convenience Outlet (20)

Power for additional equipment such as signal processors, etc., is available, up to a maximum of 300 watts. Consult the manual for any such equipment to be sure of power ratings before connecting it.

**Polarity Switch (21)** If humming or buzzing occurs, try different positions of this switch. If it makes no difference to the buzzing, leave the switch in its center position, and check guitar cords, etc.

### Speaker Jacks (22 & 23)

Any load equal to at least 4 ohms may be connected to the speaker jacks. If more than one jack is used, the total load considering both jacks must be at least 4 ohms. The standard internal speaker configuration is equal to 8 ohms. This means that an

additional 8 ohm load may also be connected, which would be a total of 4 ohms. If your unit is a "head" with no internal speaker, you may connect one 4 ohm cabinet, or up to two 8 ohm cabinets, or up to four 16 ohm cabinets, etc.

### Balanced Line Out (24) and Un-balanced Line Out (25)

The Balanced Line Output provides a low impedance balanced output and the Un-balanced Line Output provides a high impedance output for connecting the SVT-200T to an additional power amplifier, mixer, tape deck, etc. The output level of these jacks is set by the Line Out Send Level control (17) on the front panel. The Line Out Level is independent of the Stage Volume level.

### Bi-amp Outputs (26 & 27)

The Low Frequency Output jack (26) is the low frequency output of the bi-amp crossover

and the High Frequency Output jack (27) is the high frequency output of the bi-amp crossover.

**Power Amp Input (28)** The Power Amp Input jack (28) is a direct input to the power amp. Plugging in here will interrupt the normal connection of the preamp to the power amp. The Power Amp input may also be used with the Preamp Output as an effects loop.

**Preamp Output (29)** The Preamp Output signal is available at this jack. Plugging in here will not interrupt the signal to the power amp, allowing this output to drive additional power amps, etc.

**Power Cord (30)** Your SVT-200T is shipped connected for standard 120 volt 60Hz power. Be sure it is plugged into a properly wired grounded (three pin) power outlet before use.

**CAUTION:** TO REDUCE THE RISK OF ELECTRICAL SHOCK, NEVER BREAK OFF OR OTHERWISE DEFEAT THE GROUND PIN ON THE POWER CORD.

**WARNING:** Never plug headphones into either speaker jack—you could suffer permanent loss of hearing or damage your headphones.

## TECHNICAL SPECIFICATIONS

<b>OUTPUT POWER RATING</b>	200 Watts RMS @ 5 % THD 8 ohm load 120 VAC
	320 watts RMS @ 5 % THD 4 ohms load 120 VAC
<b>SPEAKER SIZE AND RATING</b>	Four 10" 32 ohm 80 watt AMPEG Custom Design (total cabinet impedance of 8 ohms)
<b>ULTRA LOW SWITCH</b>	9dB Boost @ 40 Hz
<b>ULTRA HIGH SWITCH</b>	12dB Boost @ 10 KHz
<b>EQ RESPONSE</b>	62 Hz .....22dB Range
	125 Hz .....20dB Range
	300 Hz .....26dB Range
	400 Hz .....26dB Range
	600 Hz .....26dB Range
	850 Hz .....26dB Range
	1.7 KHz .....28dB Range
	4 KHz .....40dB Range
<b>INPUT IMPEDANCE</b>	0dB 220K ohms -15dB 57K ohms
<b>MAXIMUM INPUT SIGNAL LEVEL ACCEPTED</b>	24 volts, peak-to-peak
<b>TOTAL SYSTEM GAIN</b>	61dB w/tones flat, Ultra-Low and Ultra-High off
<b>SIGNAL TO NOISE RATIO</b>	75dB w/tones flat, Ultra-Low and Ultra-High off
<b>POWER REQUIREMENTS</b>	DOMESTIC 6A 120VAC 60Hz EXPORT 3A 240VAC 50Hz
<b>SIZE AND WEIGHT</b>	23.75"w × 15.75"d × 33.25"h 120 lbs.

**CAUTION:** To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer all servicing to qualified service personnel. To avoid the risk of fire or electric shock, do not expose this appliance to rain.

**WARNING:** This amplifier is capable of producing high sound pressure levels. Continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. User caution is advised and ear protection is recommended when playing at high volumes.

Specifications subject to change without notice.

If your SVT-200T is a self-contained unit, including speaker, it is equipped with four caster sockets on the bottom. These sockets will accept any caster with a 7/16" diameter "grip-ring" stem.

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**We would like to take this opportunity to thank you for selecting an Ampeg product, and to tell you of our commitment to the design and manufacture of only the finest musical instrument amplification equipment; built for you, the musician.**

**You have purchased one of the most innovative sound amplification devices available today. Your Ampeg amplifier gives you more performance features than ever before; features that you, the musician, have asked for.**

**Your Ampeg amplifier is an American product, manufactured at our factory in St. Louis, Missouri. Only the finest available components and materials are used in the manufacture of each amplifier.**

**All Ampeg amplifiers are subject to seven or more inspection and testing steps to assure you of a high quality product. The final test for each amp is conducted by a trained musician with the instrument the amp was designed for. Any unit that does not meet the standards of his discriminating ear will not be passed.**

**Since all Ampeg products are designed, developed, and manufactured through the cooperative efforts of engineers and professional musicians, the end result is a product that responds to the musician's audio requirements, and a product that will serve your needs for years to come.**

### **SLM ELECTRONICS LIMITED WARRANTY**

SLM Electronics warrants this product to be free of defects in material and workmanship for a period of two (2) years from the original date of purchase to the original purchaser and is not transferable. Speakers, tubes, and meters carry a six (6) month warranty. This warranty is subject to the conditions, exclusions, and limitations hereinafter set forth: Excluded from this warranty are defects caused by wear and tear, misuse, neglect, alterations and modifications, or act of nature. Such determinations will be made by SLM Electronics. Warranty is also void if:

- a. The original retail purchase is not made from an Authorized Ampeg dealer;
- b. The serial number affixed to the product is altered, defaced or removed.

All parts costs will be borne by SLM Electronics within the warranty period. Labor costs will be covered within the warranty period according to rate schedules established by SLM Electronics. Warranty service may be done by SLM Electronics or an SLM Authorized Field Service Center. Transportation charges involved in warranty service are the sole responsibility of the purchaser.

SLM Electronics warrants speakers to be free from defects in material and workmanship for a period of ninety (90) days from original date of purchase. Speaker warranty will be subject to inspection of speaker by SLM Electronics or SLM Authorized Field Service Center. Obvious overpowering will result in warranty denial. Realizing speakers can be overloaded causing failure, SLM Electronics will replace the speaker with a speaker of same or equal type at a price one-half the then current suggested retail price of the new speaker for life, regardless of reason.

Warranty repairs may be handled by your authorized dealer, authorized SLM Service Center, or SLM Electronics. All units being returned to SLM Electronics must be accompanied by a detailed

description as to needed repairs, a copy of the original sales receipt, and an SLM Electronics return authorization. SLM Electronics reserves the right to repair or replace this piece of equipment at their option.

SLM Electronics is not liable for any incidental or consequential damages resulting from any defect or failure of this instrument other than the repair of the SLM Electronics product subject to the terms of this warranty. This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state. This warranty is expressly in lieu of all other agreements and warranties, expressed or implied, except as may be otherwise required by law.

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