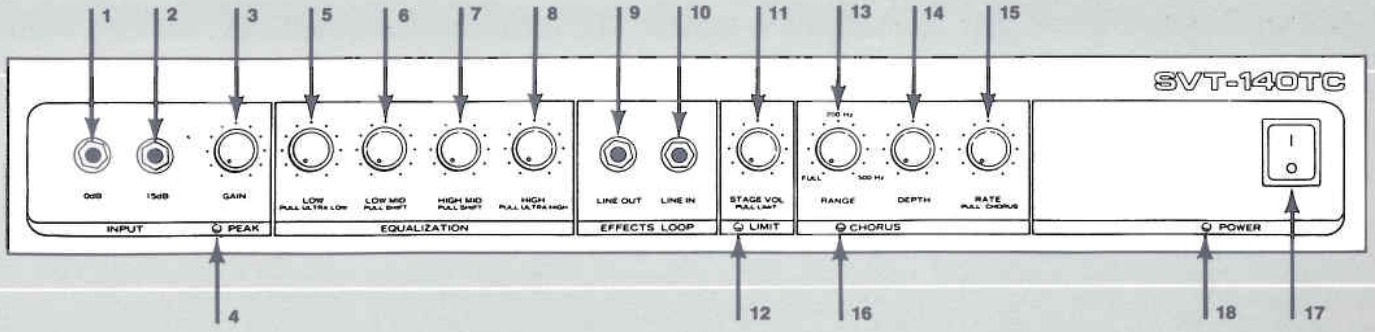
SVT-140TC Owner's Reference Guide



Front Panel Features and Functions

Input Jacks (1 & 2) Your SVT-140TC is equipped with two preamp input jacks. The "0db" input (1) accepts low to line level inputs and 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 but does not remain on continuously.

Tone Controls The SVT-140TC incorporates sophisticated active tone control circuitry in a configuration designed for ease of operation and maximum tonal variation possibilities.

Four rotary EQ controls allow you to boost or cut low frequencies (5), lower midrange frequencies (6), upper midrange frequencies (7), and high frequer (8). The range of these tone controls can be further expanded by the "pull" switches incorporated in each of the tone controls. By gently pulling the "low" control (5), Ultra-low bass frequencies below the range of the "Low" control (5) are boosted. Likewise, by gently pulling the "High" control (8), additional high frequencies are boosted. The "Low Mid" and "High Mid" controls each incorporate frequency "Shift" functions which, when pulled, shift the frequency centerpoints of the mid tone controls slightly upward. It should be noted that the "Mid Shift" effect is most prominent when the "Mid" controls are cut or boosted and more subtle with the "Mid" controls near "flat" (12 o'clock position).

Effects Loop Line Out (9) and Line In (10) jacks are provided on the front panel of the SVT-140TC.

These jacks are designed to be used as a "Post-EQ" line level external effects loop. The Line Out jack (9) can be connected to the line level input of an external effects device, and the Line In jack (10) can be connected to the line level output of an external effects device. This "Post-EQ" configuration is helpful in reducing unwanted noise associated with external effects devices.

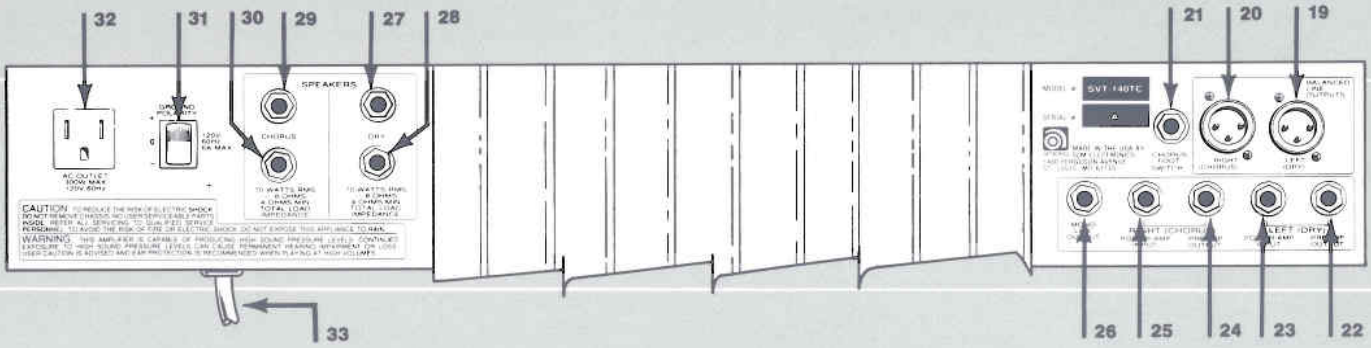
Master/Limiter The SVT-140TC contains a limiter circuit which is designed to allow you to limit the output at any desired level offering smooth, even sound levels with more sustain and prevention of power amp overloading.

The limiter circuitry is turned on by gently pulling the "Master" control (11). A Limit Indicator LED (12) is provided which is lit when limiting is taking place. When the limiter is on, the Gain control (3) will adjust the amount of limiting and sustain. The "Master" control (11) is used to set the overall listening level of the SVT-140TC.

Chorus Controls The SVT-140TC contains a chorus circuit designed specifically for the frequency range of the bass guitar. The "Range" control (13) allows you to select the upper range of frequencies to be chorused. When the range control is set at "0", the entire frequency spectrum of the signal is chorused allowing the most chorusing effect. As the range control is turned kwise, the lower frequencies are allowed to pass "dry" with only the upper frequencies being chorused. This "crossover" control may be set from "0"hz (All Chorus) to 500Hz. Higher settings of this control help to replace the "tight" sound or punch in the lower frequencies which are often lost when chorusing the entire signal.

The "Depth" control (14) is used to set the depth of the chorus effect and the "Rate" control (15) selects the rate of chorusing. The Chorus effect is turned on by gently pulling the "Rate" control and turned off by a gentle push in of the "Rate" control. The chorus effect can also be turned on and off using an external footswitch, in which case the "Pull Chorus On" function is disconnected. The yellow chorus indicator light (16) is lit when the chorus is on and will pulsate at the set rate giving a visual indication of the "Rate" control status.

Power Switch (17) The SVT-140TC is turned on by depressing the "1" marked on the Power Switch. When the amp is on, the Power indicator LED (18) should be lit.



Rear Panel Features and Operation

Balanced Line Outputs (19 & 20) These jacks provide low impedance balanced outputs for connecting the SVT-140TC to an external power amplifier or mixer with balanced inputs. The LEFT output (19) carries the "Dry" signal and the RIGHT (20) output carries the "Chorus" signal.

Chorus Footswitch Jack (21) A footswitch may be plugged into this jack allowing remote selection of chorus effect on and off. Plugging a footswitch in automatically disconnects the "Pull Chorus On" switch (15).

Preamp Output Jacks (22,24, & 26) The preamp output signals are available at these jacks. Plugging in here will not interrupt the signal to the power amp, so these outputs may be used for recording, etc. The LEFT (CHORUS) OUTPUT JACK (22) carrries the "Dry" signal, the RIGHT (CHORUS) OUTPUT JACK (24) carries the "CHORUS" signal, and the MONO LINE OUTPUT JACK (26) carries a signal which is a mix of the chorus and dry outputs. The PREAMP OUTPUTS may also be used with the POWER AMP INPUTS as an effects loop.

Power Amp Input Jacks (23 & 25) The POWER AMP INPUT JACKS are direct inputs to the power amps. Plugging in here will interrupt the normal connection of the preamp to the power amps, allowing the use of PREAMP OUTPUTS and POWER AMP INPUTS as an effects loop.

Left Speaker Jacks (27 & 28) These speaker jacks carry the "Dry" signal. Any load equal to at least 4 ohms may be connected to these speaker jacks. If more than one jack is used, the total load considering both jacks must be at least 4 ohms. The standard speaker combination in the SVT-140TC is 8 ohms. This means that an additional 8 ohm speaker may be connected, which would be a total of 4 ohms.

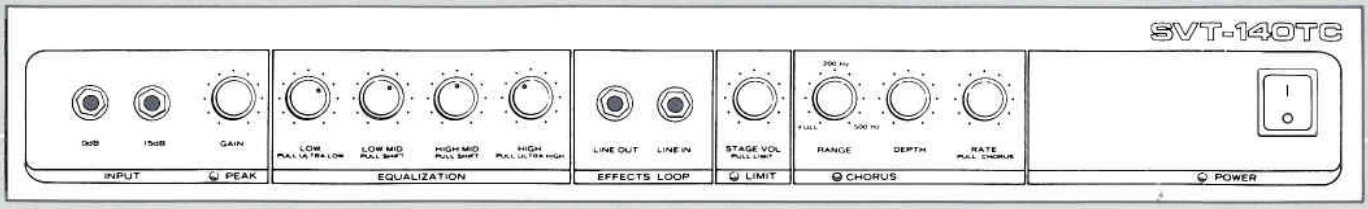
Right Speaker Jacks (29 & 30) These speaker jacks carry the "Chorus" signal. As with the LEFT SPEAKER JACKS described above, any load equal to at least 4 ohms may be connected to these jacks.

Polarity Switch (31) If humming or buzzing occurs, try different positons of this switch. If it makes no difference to the buzzing, leave the switch in its center position, and check guitar cords, etc.

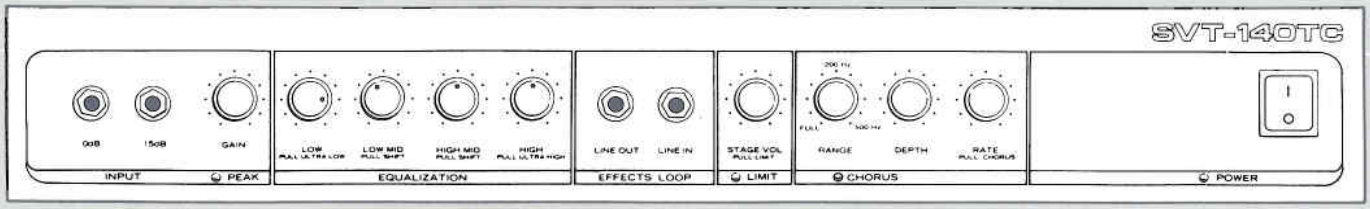
Convenience Outlet (32) Power for additional equipment such as signal processors, etc. is available up to a maximum of 300 watts. Consult the users manual for power ratings of any such equipment before connecting it.

Power Cord (33) Your SVT-140TC is shipped connected for standard 120 volt 60 Hz power. Be sure it is plugged into a properly wired, grounded (three pin) outlet before use. TO REDUCE THE RISK OF ELECTRICAL SHOCK, NEVER BREAK OFF OR OTHERWISE DEFEAT THE GROUND PIN ON THE POWER CORD.

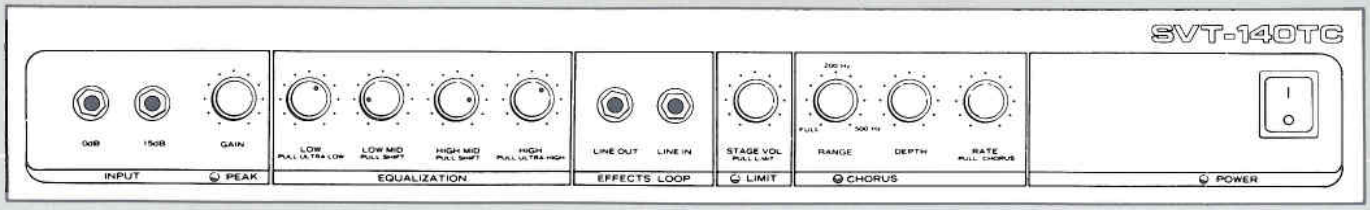
WARNING: Never plug headphones into either speaker jack — you could suffer permanent loss of hearing or damage your headphones.



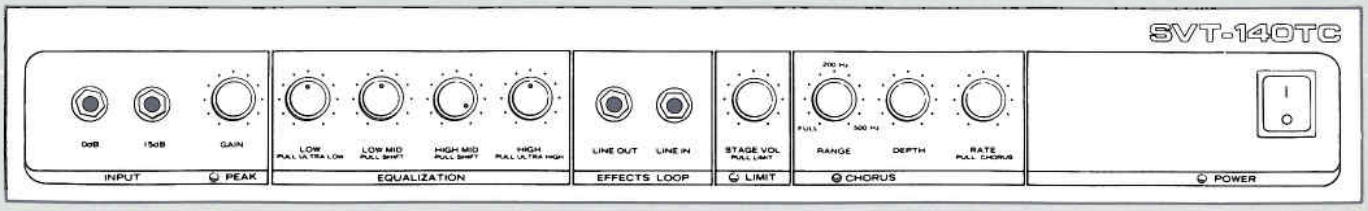
JAZZ TRADITIONAL



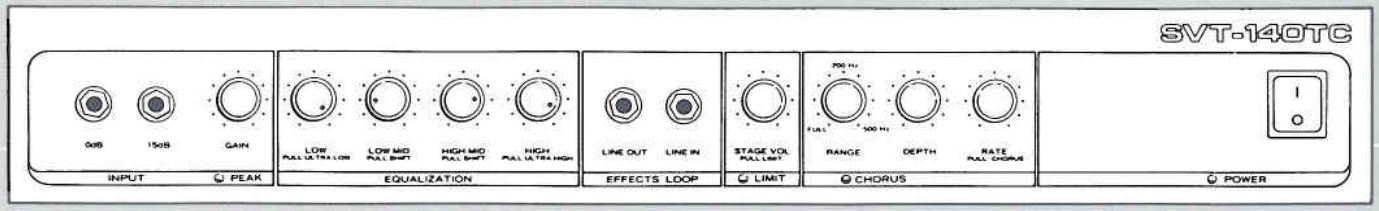
COUNTRY



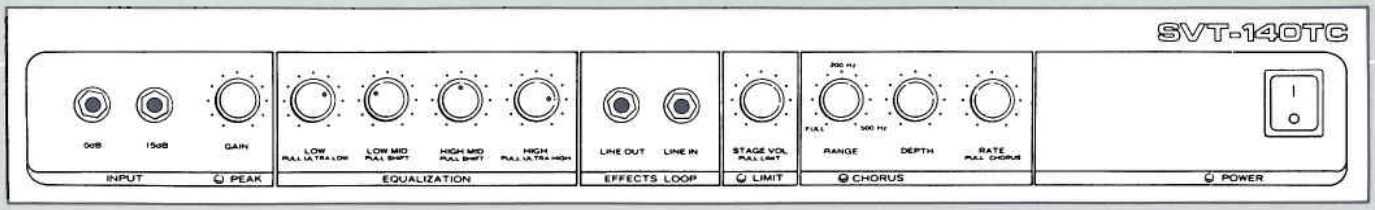
COUNTRY



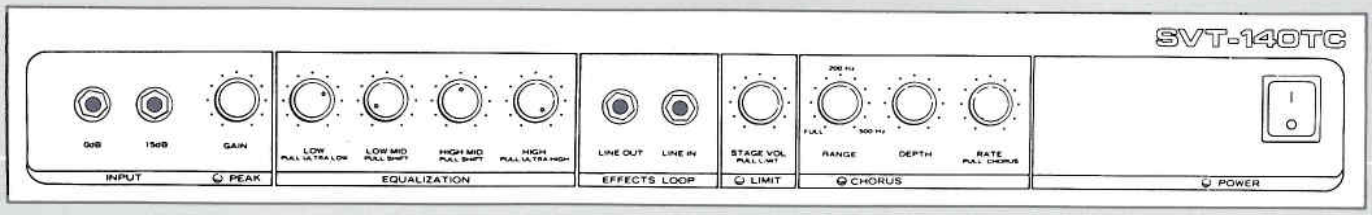
JAZZ FUSION



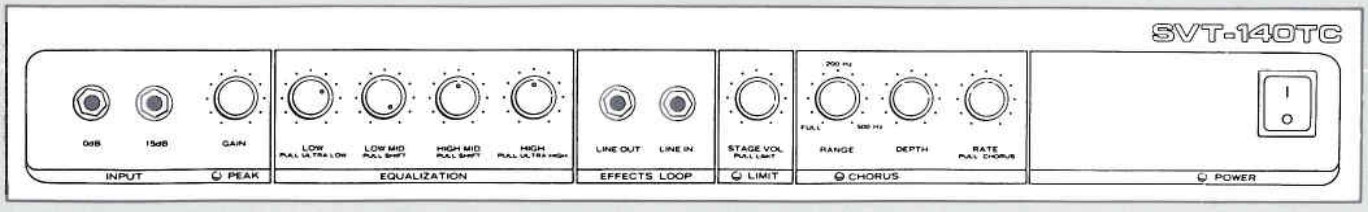
"SVT"



MIDDLE OF THE ROAD



FUNK "POPPING"



"PEDALS"

TECHNICAL SPECIFICATIONS

OUTPUT POWER RATING	70 watts/chan @ 5% THD 8 ohm load - 120 VAC 90 watts/chan @ 5% THD 4 ohm load - 120 VAC
SPEAKER SIZE AND RATING	Four 10" 16 ohm 60 watt Ampeg custom design (cabinet impedance - 8 ohm/side)
ULTRA-LOW SWITCH	10dB Boost @ 40 Hz
BASS CONTROL	28dB range@ 80 Hz
LOW MID CONTROL	24 dB range @ 400 Hz 24 dB range @ 640 Hz (shift mode)
HIGH MID CONTROL	24 dB range @ 1kHz 24dB range@ 1.6kHz (shift mode)
TREBLE CONTROL	40dB range @ 5kHz
ULTRA-HIGH SWITCH	10dB Boost@ 5kHz
INPUT IMPEDANCE	0dB 220k ohms -15dB 57k ohms
MAXIMUM INPUT SIGNAL LEVEL ACCEPTED	15 volts, peak-to-peak
TOTAL SYSTEM GAIN	47dB/Channel with tones flat, Ultra-Low and Ultra-High off
SIGNAL TO NOISE RATIO	60dB
POWER REQUIREMENTS	DOMESTIC 6A 120vac 60Hz EXPORT 3A 240vac 50 Hz
SIZE AND WEIGHT	23.75"WX15.75"DX33.25"H 120 lbs.

Specifications subject to change without notice.

CAUTION: To reduce the risk of electric shock, do not remove chassis. No user serviceable parts inside. Refer servicing to qualified service personnel.

CAUTION: This amplifier is capable of producing high sound pressure levels (high volume). 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.

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 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 warranty speakers to be free from defect 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 with 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, expect as may be otherwise required by law.