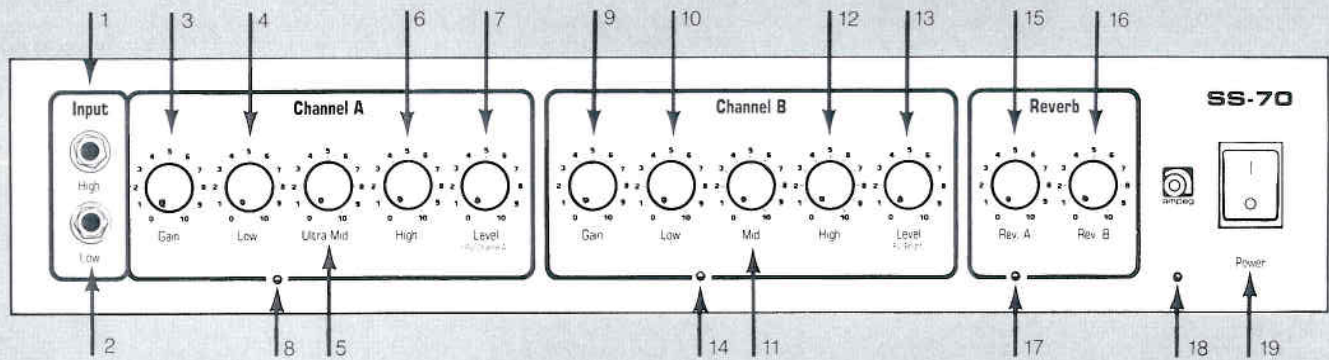




**SS-70 Guitar Amplifier
Owner's Reference Guide**



Features and Functions

Your AMPEG SS-70 has two independent selectable channels. Channel A is specially voiced for overdriven sound, from medium dirty to screaming lead and heavy rhythm. To select channel A, gently pull out on the Channel A LEVEL

control (7). The red indicator light under the Channel A controls will be lit, and only the Channel A controls will be active.

Channel B is voiced for traditional clean sound, with the added capability of light-to-medium dirty. To select Channel B, gently push in on the

Channel A LEVEL control (7). The green indicator light under the Channel B controls will then be lit, and only the Channel B controls will be active.

Channel switching may also be accomplished with an external footswitch plugged into the FOOTSWITCH jack (20) on

the rear panel. While a footswitch is plugged in, the front panel switch is disconnected automatically.

Front Panel Features and Operation

Input Jacks High (1) Use this input for most guitars, and always use this input when you want maximum gain and sustain.

Low (2) This input is attenuated 6db (reduced to half) relative to HIGH (1), for very clean sound, especially if your guitar has high output pickups.

Channel A Controls

Gain (3) Use this control to adjust the amount of overdrive and sustain.

Low (4) Channel A bass control. This control is pre-distortion, and at high settings of GAIN (3), the LOW control will have a more subtle action, adjusting the amount of overdrive of low notes relative to mids and highs.

Ultramid (5) Channel A mid control. This control is post-distortion, allowing a wide range of tonalities, from heavy rock when turned down, to singing lead tones when set higher.

High (6) Channel A treble control. This control is also pre-distortion, and at high settings of the GAIN control (3), the HIGH control will primarily affect sustain. For maximum lead sustain, turn the HIGH control up.

Level/Pull Channel A (7)

The LEVEL control has two functions, it is both the Channel A master volume control, and the manual channel selector switch. To select Channel A, gently pull knob outwards, to select Channel B, gently press knob in. The switch function is disconnected automatically when a footswitch is plugged into the FOOTSWITCH jack, (20).

Indicator Light (8) When this light is lit, you are in Channel A, and only the Channel A controls will affect the sound.

Channel B Controls

Gain (9) This control allows settings from very clean to medium overdrive. For loudest clean sound, turn the Channel B LEVEL control to full, and use GAIN as a volume control.

Low (10) Channel B bass control. All of the Channel B tone controls are passive type, and are post-gain.

Mid (11) Channel B midrange control.

High (12) Channel B treble control.

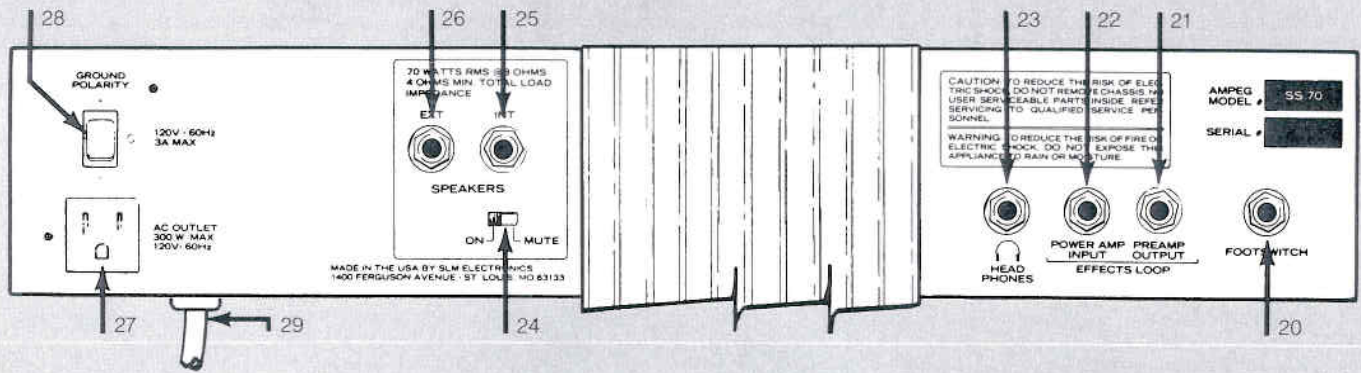
Level/Pull Bright (13) Channel B master volume control, and bright switch. To activate BRIGHT, pull out gently. Press in to turn off BRIGHT. You may want to try combining BRIGHT "on" with reduced settings of HIGH (12), for a different sound.

Indicator Light (14) When this light is lit, you are in Channel B, and only the Channel B controls will affect the sound.

Reverb A (15), Reverb (16), Indicator Light (17) The SS-70 has two independent reverb return controls. REVERB A sets the reverb level for Channel A, REVERB B sets the reverb level for Channel B. Any level of reverb may be set for either channel, from no reverb to maximum, without affecting the other channel. The yellow indicator light shows that reverb is available. The reverb for both channels may be shut off using an external footswitch, in which case the light would be off.

Power Indicator (18)

Power Switch (19) The amp should be "on" when the "1" marked on the POWER SWITCH is pressed in, and the POWER INDICATOR should be lit.



Rear panel Features and Operations

Footswitch Jack (20) A footswitch may be plugged in allowing channel selection, and reverb on/off control. Plugging in a footswitch automatically disconnects the PULL CHANNEL A switch (7).

Line Out Jack (21) The preamp output signal is available at this jack. Plugging in here will not interrupt the signal to the power amp, so this output may be used for recording, etc. LINE OUT may also be used with LINE IN as an effects loop.

Line In Jack (22) LINE IN is a direct input to the power amp. Plugging in here will interrupt the normal connection of the preamp to the power amp, allowing use of LINE OUT and LINE IN as an effects loop.

Headphone Jack (23) Mute Switch (24) This jack is suitable for use with any standard headphones. The speaker may be switched off by the MUTE SWITCH for private practicing.

INT Speaker Jack (25) EXT Speaker Jack (26) 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, normally connected to INT SPEAKER, is 8 ohms. This means that an additional 8 ohm speaker may be connected to EXT SPEAKER, which would be a total load of 4 ohms.

If your unit is a "head", without speaker, you may connect up to two 8 ohm cabinets, or one four ohm cabinet, or four 16 ohm cabinets, without overloading the SS-70.

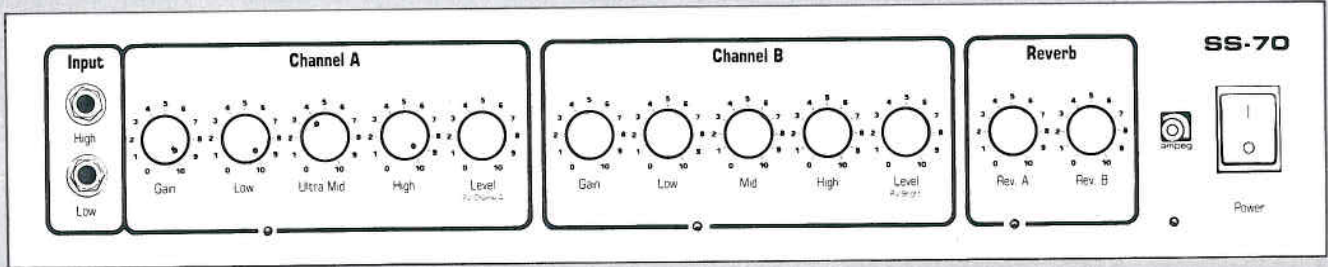
Convenience Outlet (27) Power for additional equipment such as signal processors, etc is available, up to maximum of 300 watts. Consult the manual for any such equipment to be sure of power ratings before connecting it.

Polarity Switch (28) 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.

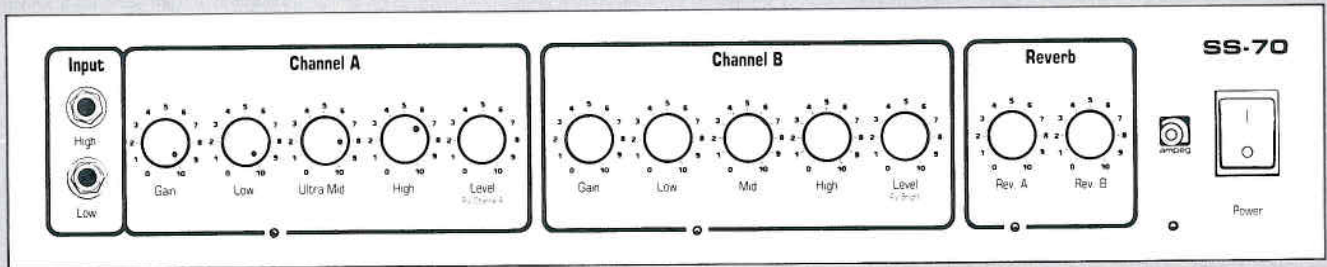
Power Cord (29) Your SS-70 is shipped connected for standard 120volt 60hz power. Be sure it is plugged into a properly wired, grounded (three pin) power outlet before use. TO REDUCE THE RISK OF ELECTRIC SHOCK, NEVER BREAK OFF OR OTHERWISE DEFEAT THE GROUND PIN ON THE POWER CORD.

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

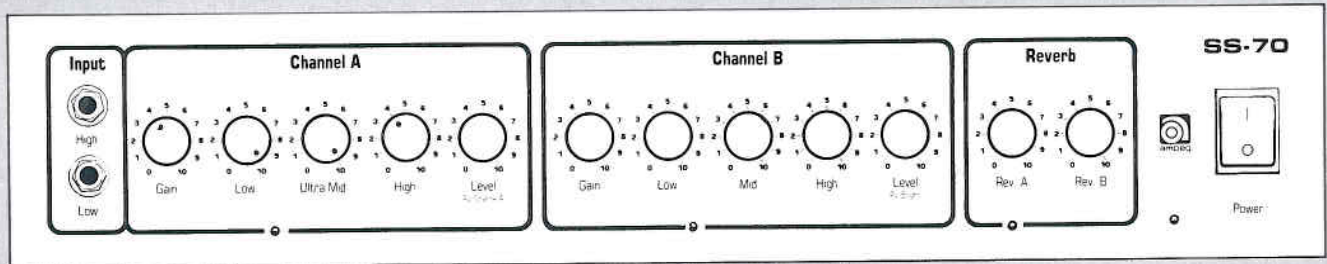
SOUND SETTINGS for the SS70



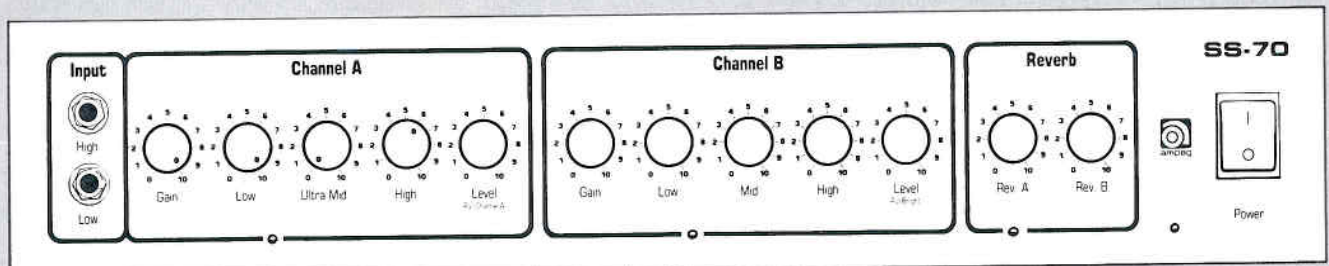
"FENDER SINGLE COIL" CLASSICAL METAL



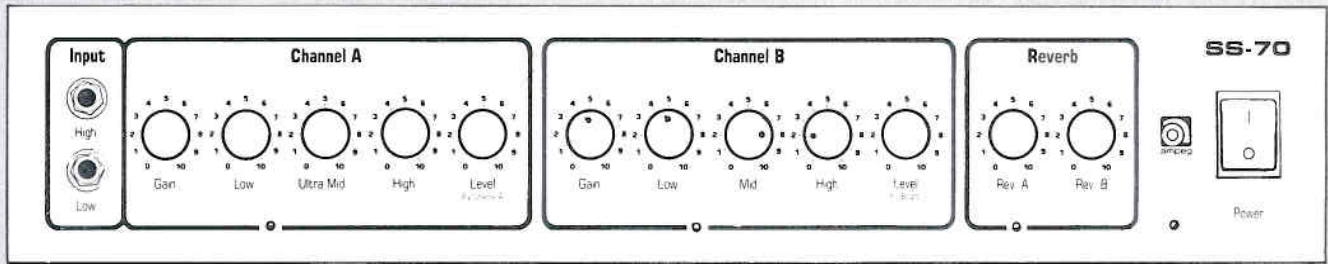
BRITISH TUBE SOUND



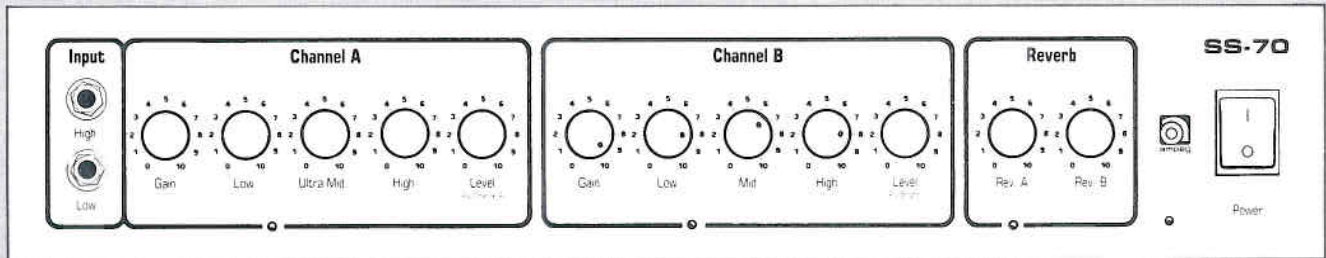
VINTAGE '70'S BLUES ROCK



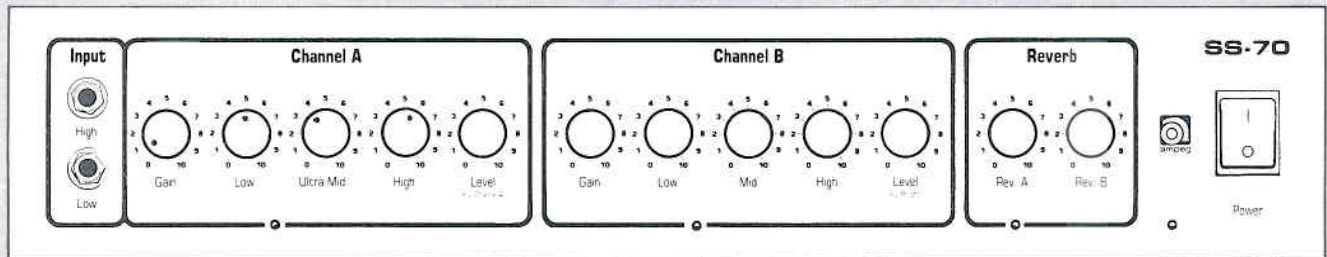
CONTEMPORARY HEAVY METAL



JAZZ/CHORD MELODY



*CLASSIC AMERICAN BLUES
(SINGLE COIL, FRONT PICK-UP)*



FUSION

TECHNICAL SPECIFICATIONS

OUTPUT POWER RATING	70 watts RMS @ 5% THD 8 ohm load 120 vac	
	90 watts RMS @ 5% THD 4 ohm load 120vac	
SPEAKER SIZE AND RATING	12" 8 ohm 70 watt CELESTION G12 M70, or AMPEG Custom Design	
TONE CONTROL RANGE CHANNEL A	LOW	16dB @ 80 Hz
	ULTRAMID	12dB @ 1KHz
CHANNEL B	HIGH	24db @ 2KHz
	LOW	24dB @ 80Hz
	MID	12dB @ 1KHz
	HIGH	28dB @ 5KHz
	BRIGHT	6dB @ 2KHz
INPUT IMPEDANCE	0dB	220K ohms-06db 44K ohms
MAXIMUM INPUT SIGNAL	0db	4V peak-to-peak
	-6dB	8V peak-to-peak
TOTAL SYSTEM GAIN	CH A	109dB max @ 1KHz
	CH B	82dB max @ 1KHz
SIGNAL TO NOISE RATIO	CH A	48dB @ max gain
	CH B	68dB @ max gain
POWER REQUIREMENTS	DOMESTIC 3A 120VAC 60Hz EXPORT 1.5A 240VAC 50 Hz	
SIZE AND WEIGHT	20.5"H x 20.75"W x 11.75"D 48 lb. (w/CELESTION spkr)	
	11"H x 20.75"W x 10"D	
	30 lb (head only)	

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 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 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, except as may be otherwise required by law.