








High  Low 


Inputs



V7


Pre-Volume 1  Post-Volume 1 

Mid Shift In 



Out

Volume 2 

Bass  Treble 



EQ Shift 


Soft Midrange Hard

High  Low 


Inputs



V3

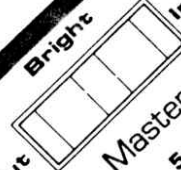
Pre-Volume 1  Post-Volume 1 

Mid Shift In 

Out

Volume 2 

Pre-Volume  Bass 

Bright 

Master

High  Low 

Inputs

V5

Operating Manual

Common Front Panel Features

Inputs

High

For use when maximum gain of the amplifier is desired by the user. Also will provide maximum gain for use with low output instruments.

Low

Provided for use with excessively high output instruments (synthesizers, organs, etc.) This input can also be utilized to produce an extremely, low level, low distortion playing response.

Equalizer Section

The "V" series Ampeg amplifiers have been equipped with a four part tone control section to further enhance the players flexibility in developing a highly personalized response curve.

Bass

Controls the low frequency portion of your instruments voice.

Midrange

Allows control over the middle portion of your instruments reproductive range.

Treble

Provides the user control of the high frequency response of the instrument being used.

Presence

This control will further extend the high frequency curve

set by the Treble control. **Hint:** An interesting effect, is to advance the Treble control to about "3" and set the Presence control between "8" and "10". This will create an extremely brilliant upper harmonic playing sound.

Master

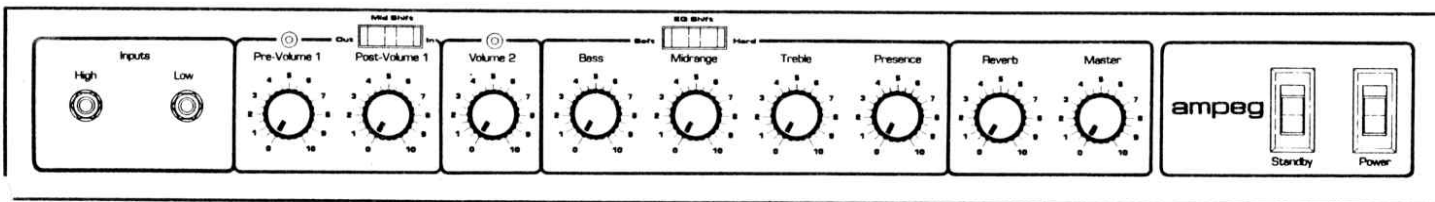
Due to the traditional type approach taken in the design of the "V" series Ampeg amplifiers, the individual channel volume controls are capable of affecting the tonal response depending on the relative position of your channel volume control (typically, the lower the volume control, the "thinner" the sound and the higher the volume control, the "thicker" the tone). This effect is one of the subtle reasons why the "older" tube type amps have that "certain sound". Due to this effect the Master volume control serves a highly important function in regard to tonal effect as well as being able to create very many interesting over-drive variations.

Power

We have provided an illuminating type on/off switch to clearly indicate the operational state of your amplifier.

Standby

This illuminated switch will enable the user to set the amplifier to a "standby" state in which the amplifier is in a "relaxed" state (low voltage condition). This ability is very important in regard to extending tube life of your unit not only providing the user an instant "on" condition when the unit is left in "standby" for short break periods.



V3/V7 Special Front Panel Features

The V3 and V7 amplifier units have been created utilizing a very unique Dual-Channel Switching System. Developed by the exclusive use of All Tube Technology, the V3/V7 channel switching system offers unprecedented flexibility over varied playing conditions facing today's musicians.

Pre-Volume 1 / Post-Volume 1

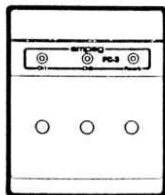
The primary function of these two controls is much the same as stated in the section of the V5 unit. The relationship between the Pre-Volume 1 and the Post-Volume 1 controls of the V3-V7 is basically the same as which exists between the V5 Pre-Volume and Master volume controls. The main point of flexibility to point out in the V3-V7 is the ability to "program" both clean and over-drive sounds AT THE SAME TIME... AND AT INDEPENDENT VOLUME LEVELS OF EACH OTHER When using 3-Way Foot Control!!

Volume 2

This volume control will govern, independently, the playing volume of the channel 2. Use in conjunction with Master control for optimum balance between channel 1 voicing.

Reverb

Provides control over the amount of reverb effect which is desired within your playing voice. The On/Off function can be remotely controlled by use of the provided 3-Way Foot Controller.



Mid-Shift

This switch provides the user to set a fixed midrange

boost (approx. 800 Hz.) to further enhance the fundamental harmonic range of the guitar, which is most effective when creating the sustain effects most desired in today's playing styles. This "Mid-Shift" has long been recognized as one of the most obvious weaknesses in amplifiers when trying to develop certain types of very popular "British" style voicings.

EQ-Shift

Probably one of the most important features which exists within the entire line of Ampeg "V" series amplifiers. This switch will actually shift the ENTIRE response characteristics of the existing tone control system! That's right...two (2) equalizer systems on one amplifier unit!

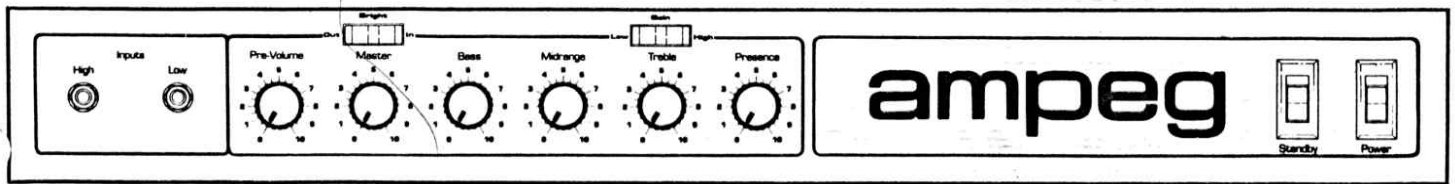
Soft

Sets your provided tone controls to a response curve for producing varied voices which are commonly inherent to the popular "American" tube amplifier voicing standards.

Hard

Sets your provided tone controls to a response curve which dominates the "British" tube amplifier voicing areas of performance standards. Also, note when this setting has been selected that the overall volume level increases which is another factor which is noted in amplifiers which choose to use this type of equalizer on their respective products.

Hint: The V3/V7 unit has the ability of selecting the use of one channel or the other. It also has the ability to play BOTH CHANNELS SIMULTANEOUSLY!!! See the provided setting "charts" located on the rear page of this manual to better understand this very useful function.



Special Front Panel Features

Pre-Volume

Used in conjunction with your Master volume control, this will provide the user the ability to "dial" the amount of over-drive distortion desired. Once the amount of over-drive is developed the Master volume control is set to the overall desired playing volume needed. **Hint:** Setting of the desired amount of over-drive then adjusting the tone controls is best due to the slightly different relationships that exist between clean vs. over-drive tonal response.

Gain

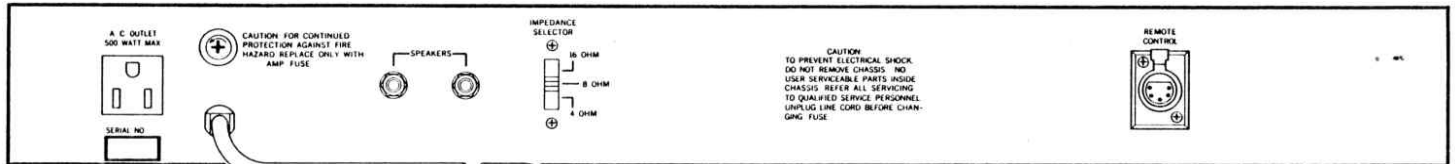
Low

Sets the preamplifier to a -20dB playing condition (approx. 3 times lower in gain). **Note:** The V5 has been designed to be primarily used for "all out" playing, but unlike most other amplifiers of this generation, we have

also included the ability to set the preamplifier to a more conservative playing state which is useful when the user has to be able to create more moderate playing voices within his/her performance situations.

High

Sets the preamplifier to maximum gain playing state. **Note:** The V5 amplifier unit has been provided with one of the "hottest" preamplifiers used in a production type amplifier, therefore, we highly suggest that the user experiment for a short while on the best mode of operation between the setting of Pre-Volume and Master controls. **Hint:** The ability of playing "high-level" music is not accomplished by merely "turning everything to 10", but is developing the proper relationship between your personal instruments characteristics and the many varied states in which your "V" series amplifier may be set. Remember... practice creates perfection!



Common Rear Panel Features

Line Cord

A three prong type approved plug has been provided for safest mode of operation. Do not disarm the ground pin of this plug assembly, you will expose yourself to hazardous grounding conditions. Also make certain you connect your unit to a secure properly wired AC outlet (3 pin, grounded type).

Fuse

Providing additional safety for use under adverse power conditions. Make certain when replacement is necessary to replace only with the IDENTICAL fuse value and rating type.

A.C. Outlet

Provided to power auxiliary units which do not exceed 500 watts A.C. power requirements. Useful to power special effects and other related support devices.

Speakers

Your unit is provided with two jacks which may be connected to your speaker systems. On "SC" (self-contained models) this will be factory installed. When connecting to external speakers please make certain proper speaker rated cable is used and your Impedance Selector switch is set to the proper setting.

Impedance Selector

Provides three (3) most commonly used modes of selections. 16 ohms, 8 ohms and 4 ohms. See "Recommended Speaker Chart" for proper setting of this switch. **Caution:** Make certain this amplifier unit is plugged and set properly in respect to impedance "match". Using this unit under a "mis-matched" state could cause very severe, expensive damage to internal components which will void your provided warranty conditions.

Remote Control

This five (5) pin receptical has been provided (V3/V7 models only) for your use with the Ampeg 3-Way Remote Foot Controller. Note the three (3) color LED indicators which are labeled as to the functions which they indicate. See the setting "charts" (rear page) for a clear description of their use.

Recommended Speaker Combinations

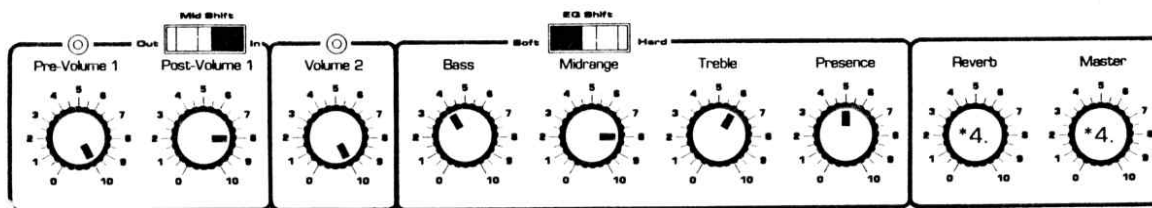
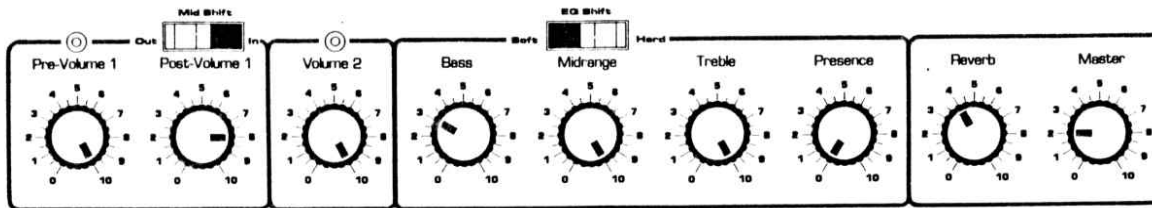
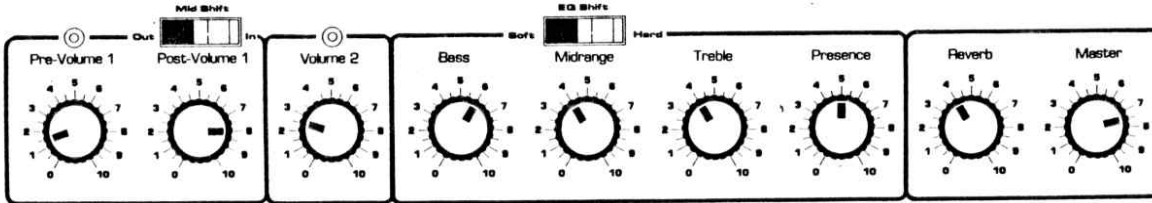
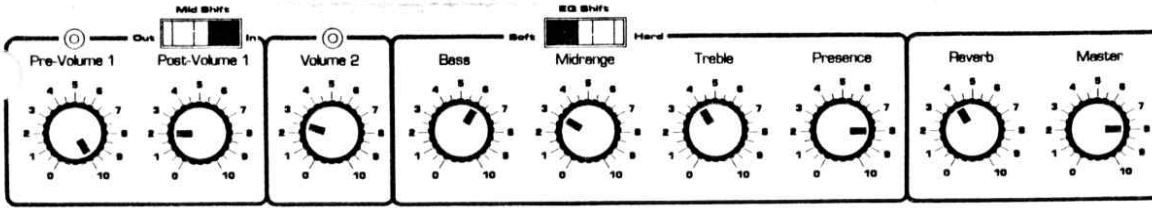
Model	Speaker (s)	Impedance Setting
V7HD	1-SE-412, 2-SE412's	1= 16 ohm, 2=8 ohm
V5HD	1-SE-412, 2-SE412's	1= 16 ohm, 2=8 ohm
V3SC	Internal Spk + SE-412	4 ohms
V7SC	Internal Spk + SE-412	4 ohms
V5SC	Internal Spk + SE-412	4 ohms

Operating Cautions

- Do not allow amplifier to be exposed to high dust or moisture conditions.
- Do not attempt to open unit, unit service can only be provided by authorized service personnel.
- Make certain unit power is turned off when not in use.
- Keep unit free from any heavy build up of dust or dirt.
- Do not submit amplifier to excessive shock, or abuse.
- Do not operate amplifier unit without connecting to proper speaker systems.

Control Application Recommendations

V3/V7 Charts



Hints:

Clip & Clean

1. Try "Midshift" in both positions when playing Ch 1.
2. Try EQ Shift on both channels.
3. Adjust Reverb to desired levels.

Dual Clean

1. Try "Midshift" in both positions when playing Ch 1.
2. Also try both channels TOGETHER!
3. Adjust Reverb to desired levels.

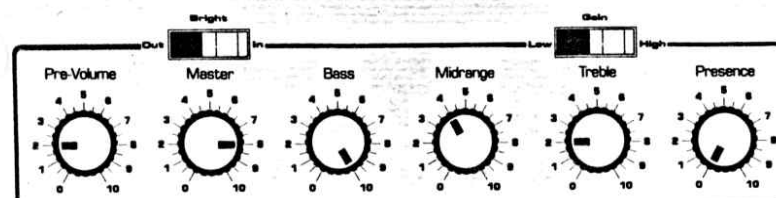
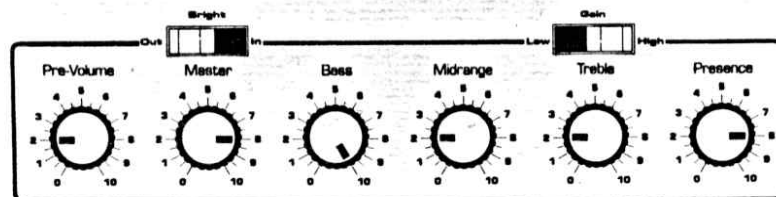
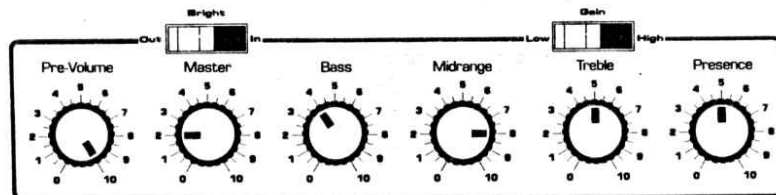
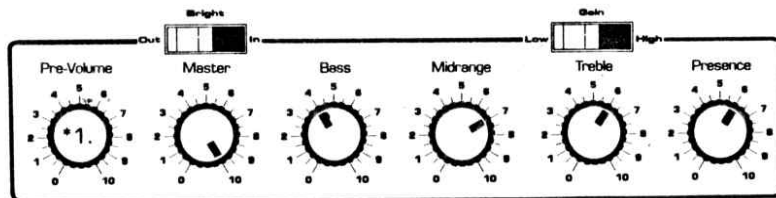
Dual Clip

1. Try "Midshift" in both positions when using Ch 1.
2. Try "EQ Shift" in both positions.
3. Try both channels TOGETHER!
4. Adjust Reverb and Master to desired levels.

All-Out

1. Try each channel by itself.
2. Try both TOGETHER!
3. Note harmonic shift when selecting EQ Shift position.
- *4. Adjust Reverb and Master to desired levels.

V/5 Charts



Hints:

Fixed British (Normal)

- *1. Adjust "Pre-Volume" to desired playing level.
2. TONE SETTINGS ARE PROVIDED AS A REFERENCE. You should experiment to develop best response with your particular instrument.

Fixed British (Over-Drive)

1. Adjust "Post-Volume" to actual playing levels.
2. Try "Bright" switch in both positions; out = warmer, in = brighter.
3. Experiment for best tone settings.

Bright/Clean

1. As you "decrease" Post-Volume and "increase" Pre-Volume, your distortion content will increase proportionately.
2. Try varied tone settings for your individual voicing.

Warm/Clean

1. As you "decrease" Post-Volume and "increase" Pre-Volume, your distortion content will proportionately be increased.
2. Varied tone settings should be tried to select best playing position.



A Division of
Music Technology, Inc.
105 Fifth Avenue,
Garden City Park
New York 11040