

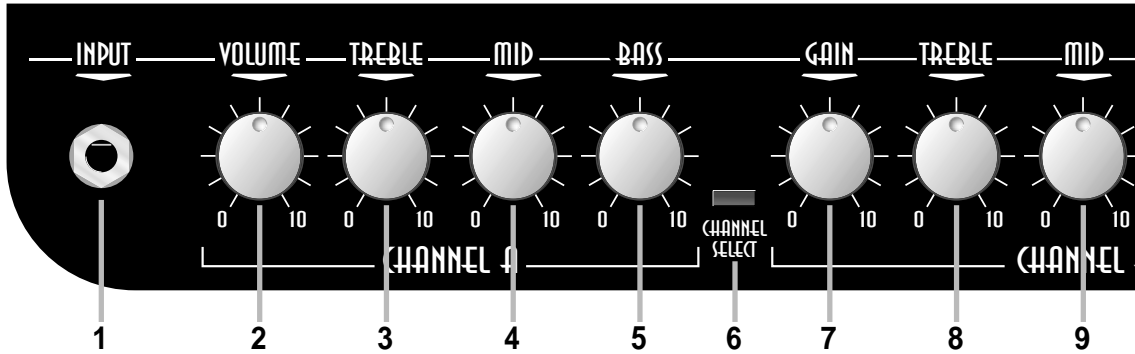


VFX 5112
VFX 5212

GUITAR AMPLIFIER

OWNER'S GUIDE

V SERIES VFX 5112/5212 GUITAR AMPLIFIER



CAUTION
 RISK OF ELECTRIC SHOCK
 DO NOT OPEN

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

PRECAUCION
 RIESGO DE CORRIENTAZO
 NO ABRA

ADVERTENCIA: REDUCIR EL RIESGO DE FUEGO O CHOQUE ELECTRICO, NO LE EXPONE DE ESTE APARATO A LLUVIA O HUMEDAD. PARA DISMINUIR EL RIESGO DE CORRIENTAZO, NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDO REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.

ATTENTION
 RISQUE D'ELECTROCUTION
 NE PAS OUVRI

ATTENTION: POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPRABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.

IMPORTANT SAFETY INSTRUCTIONS

- READ, FOLLOW, HEED, AND KEEP ALL INSTRUCTIONS AND WARNINGS.
- DO NOT OPERATE NEAR ANY HEAT SOURCE AND DO NOT BLOCK ANY VENTILATION OPENINGS ON THIS APPARATUS.
- DO NOT USE THIS APPARATUS NEAR SPLASHING, FALLING, SPRAYING, OR STANDING LIQUIDS.
- CLEAN ONLY WITH LINT-FREE DAMP CLOTH AND DO NOT USE CLEANING AGENTS.
- ONLY CONNECT POWER CORD TO A POLARIZED, SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRICAL CODES AND COMPATIBLE WITH VOLTAGE, POWER, AND FREQUENCY REQUIREMENTS STATED ON THE REAR PANEL OF THE APPARATUS.
- PROTECT THE POWER CORD FROM DAMAGE DUE TO BEING WALKED ON, PINCHED, OR STRAINED.
- UNPLUG THE APPARATUS DURING LIGHTNING STORMS OR WHEN UNUSED FOR LONG PERIODS OF TIME.
- ONLY USE ATTACHMENTS, ACCESSORIES, STANDS, OR BRACKETS SPECIFIED BY THE MANUFACTURER FOR SAFE OPERATION AND TO AVOID INJURY.
- THIS APPARATUS DOES NOT OPERATE NORMALLY AND REQUIRES SERVICE WITH ANY PHYSICAL DAMAGE FROM IMPACT OR ANY EXPOSURE TO MOISTURE.
- SERVICE MUST BE PERFORMED BY QUALIFIED PERSONNEL.
- OUR AMPLIFIERS ARE 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 IF UNIT IS OPERATED AT HIGH VOLUME.

EXPLANATION OF GRAPHICAL SYMBOLS:

EXPLICACION DE SIMBOLOS GRAFICOS:

EXPLICATION DES SYMBOLES GRAPHIQUES:



"DANGEROUS VOLTAGE"

"VOLTAJE PELIGROSO"

"DANGER HAUTE TENSION"



"IT IS NECESSARY FOR THE USER TO REFER TO THE INSTRUCTION MANUAL"

"ES NECESARIO QUE EL USUARIO SE REFIERA AL MANUAL DE INSTRUCCIONES."

"REFERREZ-VOUS AU MANUAL D'UTILISATION"

Declaration Of Conformity

#35, Effective 01-01-2001

Manufacturer's Name:

Production Facility:

Production Facility:

Shipping Facility:

Office Facility:

SLM Electronics

11880 Borman Drive, St. Louis, MO 63146, USA

700 Hwy 202 W, Yellville, AR 72687, USA

1400 Ferguson Ave., St. Louis, MO 63133, USA

1400 Ferguson Ave., St. Louis, MO 63133, USA

Product Type:

Audio Amplifier

Complies with Standards:

LVD:

Safety:

EMC:

92/31/EEC, 93/68/EEC, & 73/23/EWG

EN60065

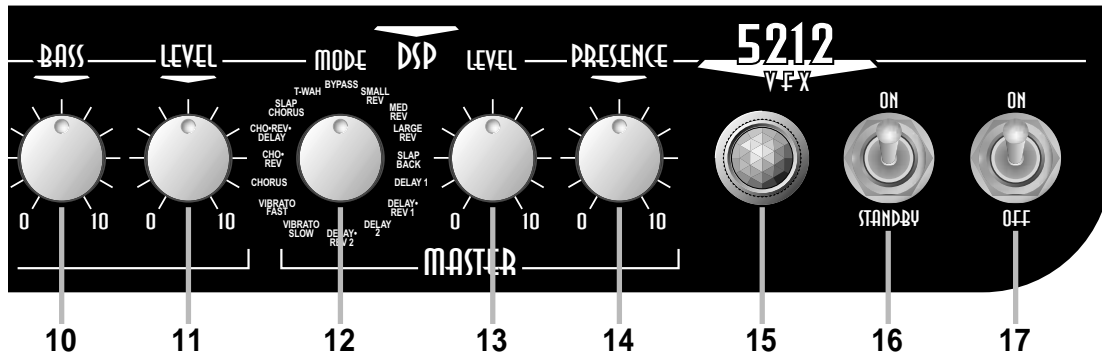
EN55013, EN55020, EN55022, EN61000-3-2,

& EN61000-3-3

Supplementary information provided by:

SLM Electronics - R & D Engineering
 1901 Congressional Drive, St Louis, MO 63146, USA
 Tel.: 314-569-0141, Fax: 314-569-0175

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The Front Panel:

1. Input: Connect your instrument here by means of a shielded signal cable.

2.. Volume: Use this control to adjust the output level of Channel A.

3. Treble: Use this control to adjust the output level of the high frequencies for Channel A. This control provides an adjustment range of 30dB at 10kHz.

4. Mid: Use this control to adjust the output level of the middle frequencies for Channel A. This control provides an adjustment range of 6dB at 600Hz.

5. Bass: Use this control to adjust the output level of the low frequencies for Channel A. This control provides an adjustment range of 30dB at 80Hz.

6. Channel Select: This switch, when depressed, activates Channel B. Channel A is active when the switch is in the out position.

7. Gain: Use this control to adjust the gain for Channel B. With the control towards the counter clockwise position, the gain is low and very little distortion is present. As you rotate the control clockwise the gain increases, producing more overdrive distortion and a higher output volume level.

8. Treble: Use this control to adjust the output level of the high frequencies for Channel B. This control provides an adjustment range of 10dB at 4kHz.

9. Mid: Use this control to adjust the output level of the middle frequencies for Channel B. This control provides an adjustment range of 10dB at 1kHz.

10. Bass: Use this control to adjust the output level of the low frequencies for Channel B. This control provides an adjustment range of 12dB at 100Hz.

11. Level: Use this control to adjust the output level of Channel B.

12. DSP Mode: Use this control to select which of the following digital effects to apply to the signal.

BYPASS	no effect
SMALL REV	small room reverb
MED REV	medium room reverb
LARGE REV	large hall reverb
SLAPBACK	short slapback echo
DELAY 1	short delay w/regen
DELAY/REV 1	short delay w/reverb
DELAY 2	long delay w/regen
DELAY/REV 2	long delay w/reverb
VIBRATO SLOW	slow smooth vibrato
VIBRATO FAST	fast vibrato/tremolo
CHORUS	medium chorus
CHO/REV	medium chorus w/reverb
CHO/REV/DELAY	med cho w/reverb/delay
SLAP CHORUS	slapback echo w/chorus
T-WAH	touch-sensitive wah-wah

13. DSP Level: Use this control to adjust the level of the DSP effect. With the control rotated fully counter clockwise, no effect will be audible. As the control is rotated clockwise the amount of the effect is increased.

14. Presence: Use this control to adjust the overall brightness and punch of the output signal.

15. Lamp: This lamp illuminates when the amplifier is turned on.

16. On/Standby Switch: Use this switch to activate the amplifier after the On/Off Switch (#17) is turned on. **Always turn this switch OFF first and ON last! Turn the On/Off Switch (#17) on at least 30 seconds before turning on the Standby switch.** During short breaks you should turn this switch off and leave the On/Off Switch on. This will help prolong the life of the amplifier's tubes.

17. On/Off Switch: Use this switch to turn the amplifier on and off. **Always turn this switch ON first and OFF last! Turn the Standby switch (#16) on at least 30 seconds after turning on the On/Off Switch.**

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The Rear Panel:

18. AC Line Cord (not shown):

The grounded power cord should only be plugged into a grounded power outlet that meets all applicable electrical codes and is compatible with the voltage, power, and frequency requirements stated on the rear panel. **Do not attempt to defeat the safety ground connection.**

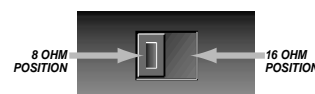
19. FOOTSWITCH JACK: Use this jack to connect the cable of the footswitch (supplied) for remote control of channel switching and the DSP effect. (Tip = channel select, ring = DSP select.) Refer to the section below for additional information about how the footswitch can be used to save DSP settings for each channel.

20. LINE OUT JACK: Use this jack to send a line level signal from the amplifier to an external amplifier, a mixing console, or the input of an external effect.

21. LINE IN JACK: Use this jack to return the signal from an external effect to the amplifier.

22. EXT. SPEAKER JACK: Use this jack to connect the amplifier to a 16 ohm extension speaker. The internal speaker is not disconnected when this jack is in use. The impedance switch (#23) must be set to the 8 ohm position when a 16 ohm extension speaker is used.

23. IMPEDANCE SWITCH: Use this switch to set the amplifier's output impedance to match the impedance of the speaker(s). The impedance of the speaker(s) inside the amplifier is 16 ohms. The switch is set at the factory to the 16 ohm position. When a 16 ohm extension speaker cabinet is used (see (#22), this switch must be set to the 8 ohm position. Use the tip of a small flat-blade screwdriver to slide the switch to the proper position.



Impedance switch as seen from below

Using the Footswitch to Save DSP Settings:

The VFS-2 two-button footswitch (supplied) may be used to save two DSP settings for each channel.

- (1) Connect the cable of the footswitch to the Footswitch jack (#19) on the back of the VFX amplifier.
- (2) Click the footswitch buttons until both LEDs are not illuminated. Channel A is now active.
- (3) Select one of the DSP settings - for example, Large Reverb. Click the "2" footswitch button (the green LED will illuminate). Select another DSP setting - for example, Vibrato Slow. Click the "2" footswitch button again (the green LED will go out) and the Large reverb DSP setting is recalled.



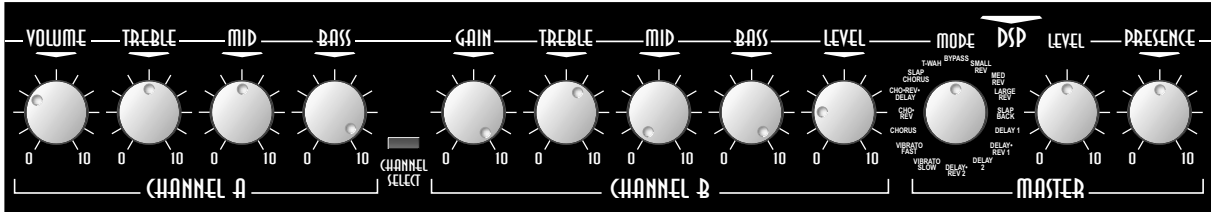
You have now programmed the footswitch to recall two DSP settings for Channel A: Large Reverb (green LED not illuminated) and Vibrato Slow (green LED illuminated). You may repeat this procedure for Channel B. Click the "1" footswitch button, then repeat step 3 for Channel B using different effects.

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Suggested Settings:

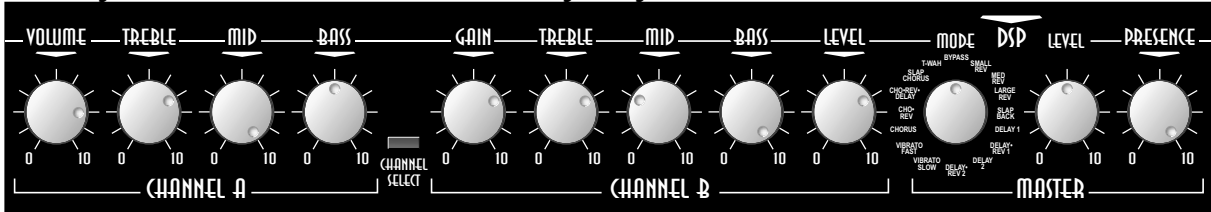
Clean:

Low Volume Buzz:



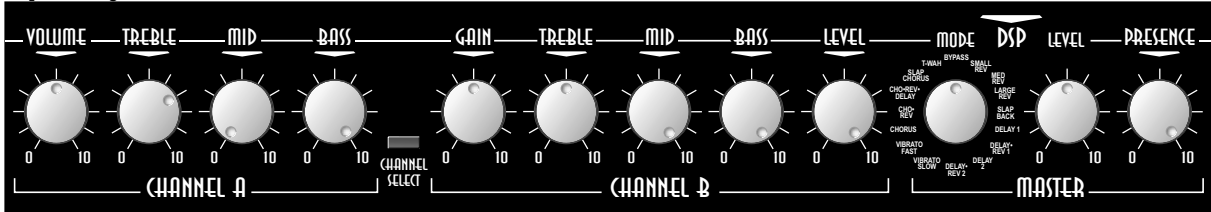
Bluesy Crunch:

Crunchy Rhythm:



Sparkly Clean:

Uh-Oh!:





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VFX 5112/5212 Technical Specifications:

OUTPUT POWER RATING	50Watts RMS @ 5 % THD 16 ohm load 120 VAC
SIGNAL TO NOISE RATIO	70dB Typical
GAIN	Channel A: 62 dB Channel B: 98 dB
EQ - CH. A	Treble: 30dB range @ 10kHz Mid: 6dB range @ 600Hz Low: 30dB range @ 80Hz
EQ - CH. B	Treble: 10dB range @ 4kHz Mid: 10dB range @ 1kHz Low: 12dB range @ 100Hz
PRESENCE	18dB range @ 20kHz
SPEAKER SPECS	VFX 5112: 1 X 12", 60w, 16 ohm, 1.75" voice coil diameter, 38oz. magnet VFX 5212: 2 X 12", 60w, 8 ohm, 1.75 voice coil diameter, 38oz. magnet
PREAMP TUBES	(4) 12AX7A
POWER TUBES	(2) EL34
POWER REQUIREMENTS	120 VAC, 60 Hz, 200VA 100/115 VAC, 50/60 Hz, 200VA 230 VAC, 50/60 Hz, 200VA
SIZE AND WEIGHT	VFX 5112: 23"W x 19" H x 10"D, 48 lbs. VFX 5212: 28"W x 21" H x 11"D, 58 lbs.

The VFX 5112/5212 is covered with a durable Tolex material: wipe it clean with a lint-free cloth. Never spray cleaning agents onto the cabinet. Avoid abrasive cleansers which would damage the finish.

Crate continually develops new products, as well as improves existing ones. For this reason, the specifications and information in this manual are subject to change without notice.



www.v-seriesamps.com



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