


## AMPEG SCP-OD "SCRAMBLER" INSTRUCTIONS

The AMPEG Scrambler was designed in response to requests for a distortion device that was flexible, easy to use, and most importantly, musical. Inherent performance limitations of all designs on the market precluded one or more of the aforementioned requisites. New concepts and methods were researched and tested by leading musicians until every requirement was surpassed. The end result was enthusiasm on the part of every one who tried the unit.

Basic understanding of the unit and its operation will result in the ability to use each of the sounds that the unit can produce. Don't be afraid to experiment with all of the controls – a little time spent with the Scrambler will enable you to use the unit to its fullest capacity.

 <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>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.</p>	 <p><b>PRECAUCION</b> RIESGO DE CORRIENTAZO NO ABRA</p> <p>PRECAUCION: PARA REDUCIR EL RIESGO DE INCENDIOS O DESCARGAS ELECTRICAS, NO PERMITA QUE ESTE APARATO QUEDA EXPUESTO A LA LLUVIA O LA HUMEDAD PARA DISMINUIR EL RIESGO DE CORRIENTAZO. NO ABRA LA CUBIERTA. NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDA REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</p>	 <p><b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR</p> <p>ATTENTION: PROTEGEZ CET APPAREIL DE LA PLUIE ET DE L'HUMIDITE AFIN D'EVITER TOUT RISQUE D'INCENDIE OU D'ELECTROCUTION. POUR REDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIECE INTERNE N'EST REPARABLE PAR L'UTILISATEUR. POUR TOUTE REPARATION, S'ADRESSER A UN TECHNICIEN QUALIFIE.</p>
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### 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. FOR PROPER OPERATION, THIS UNIT REQUIRES 3" (75mm) OF WELL VENTILATED SPACE AROUND HEATSINKS AND OTHER AIR FLOW PROVISIONS IN THE CABINET.
- 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.
- WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK OR FIRE, DO NOT EXPOSE THIS UNIT TO RAIN OR 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.
- WARNING: THIS UNIT REQUIRES A SAFETY GROUNDED OUTLET WIRED TO CURRENT ELECTRIC CODES HAVING THE LINE SUPPLY VOLTAGE, POWER, AND FREQUENCY IDENTIFIED ON THE REAR OF THE UNIT. THE OUTLET MUST REMAIN ACCESSIBLE TO DISCONNECT THE UNIT IF A FAULT SHOULD ARISE WHILE IN USE. THIS UNIT SHOULD BE UNPLUGGED WHEN NOT IN USE.



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"

## Ampeg **Scrambler** Distortion Pedal

The "Texture" control changes the type of harmonic distortion added to the input signal. A very smooth sound is produced when this control is in its extreme counter-clockwise position. Clockwise rotation results in an upper harmonic being added. Using the Rhythm pickup on your instrument, play single notes around the 9th thru 12th fret. Going higher on the fretboard from here will result in the cleanest octave effect. Any position of the "Texture" control may be used. Sample settings and results are provided on the back page and the inside of this publication.

The "Balance" control allows the addition of unmodified sound. Counter clockwise rotation results in straight input signal – clockwise rotation gives 100% modified output.

The footswitch permits a return to straight sound without clicks or pops at a level equal (or nearly so) to the Scrambler output level. Thus, you do not have to reset your volume control on the amplifier each time you shift from Scrambler to straight.

The input and output jacks (marked "guitar" and "amplifier") also provide battery on-off switching. When not in use – unplug the input ("guitar") jack to conserve battery power.

The AMPEG Scrambler can be used with any musical instrument that can be played one note at a time. however, with proper adjustment of the "Balance" control, chords may be played without the severe intermodulation that other distortion devices produce. Start by setting the "Balance" control at 10 o'clock. Adjust the "Texture" control for the type of harmonic modification

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desired. If you hear the output level shrink when chords are played, reduce the setting of the instrument volume control. The Scrambler has dynamic expression – the harder you pick the more sound you hear – but in order to provide this expression a limit must be set. Past the “shrink” point (which is there for other effects), compression of the output takes place.

The Scrambler can be induced to provide upper harmonic overtones. Set “texture” and “balance” fully clockwise.

Using a firm attack, play single notes. Experiment with volume settings on your instrument for most consistent results. An instrument with high output will result in the largest variety of output sounds.

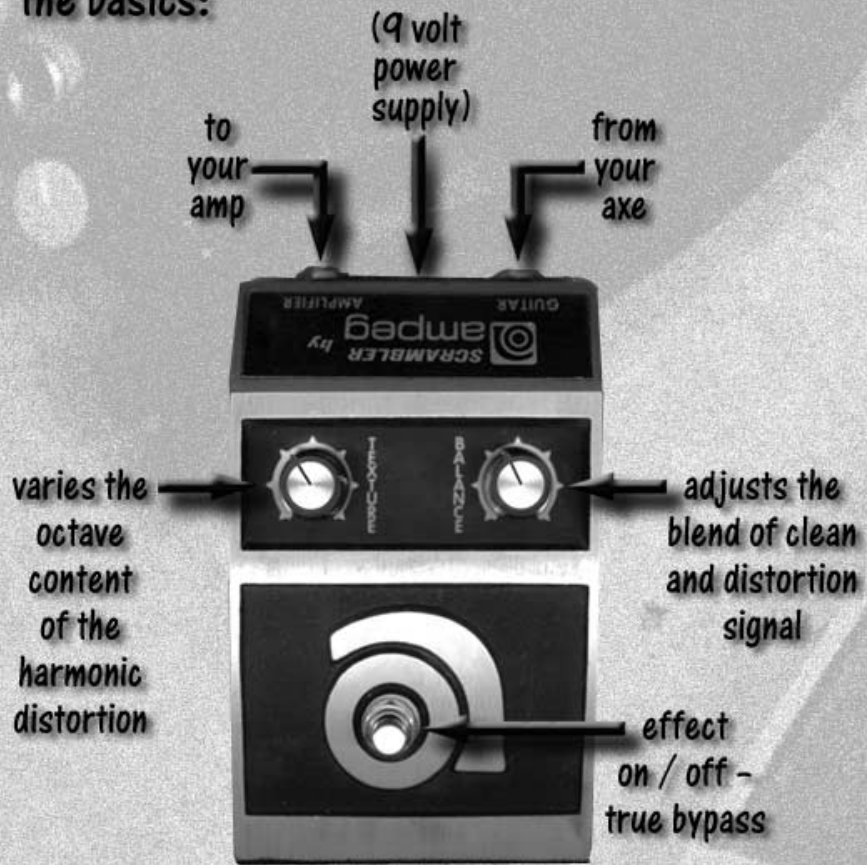
Sub tones may be produced in a similar manner. By striking C and E (1st and 3rd), C & F (1st and 4th), C & G (1st and 5th) in the upper register of a guitar, difference tones will be produced. Two tone combinations (intervals) near the octave position of the highest three strings of a guitar will produce audible sub tones with “Texture” clockwise and “Balance” clockwise. Again – experiment with your instrument volume control and the setting of the “Texture” control.

All of the above modes of operation apply to electric bass and guitar. Bass players will find that the counter clockwise position of the “Texture” control produces a smooth deep distortion sound that is quite useful. The footswitch allows quick return to the unmodified sound, allowing the bass player to be featured for breaks and lead lines with an entirely different sound.



# Ampeg Scrambler

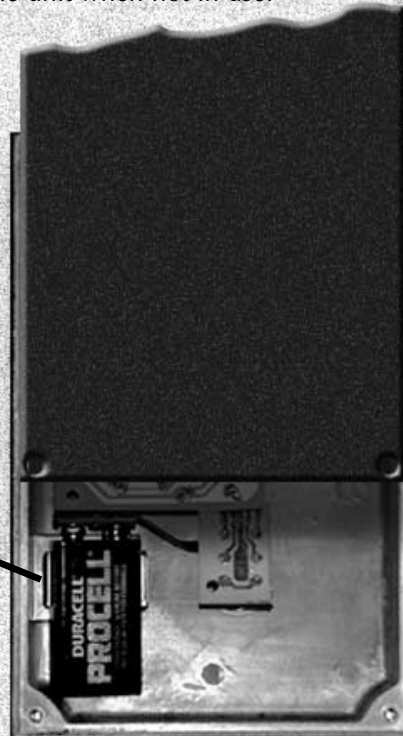
the basics:



## **the power supply & the 9 volt battery:**

The Scrambler may be powered with a standard negative tip 9V DC adapter (not included) or a 9V battery. When using a 9V adapter, insert the barrel connector of the adapter into the "9V DC" jack (between the "guitar" and "amplifier" jacks of the Scrambler), then plug it into an appropriate source of AC voltage. Unplug the power supply and disconnect it from the unit when not in use.

The Scrambler has a minimal current draw – an 9V alkaline battery should last a long time. When the time does come for a fresh battery, remove the four screws from the bottom plate (one at each corner). The battery is held in place by a metal clip. Remove the old battery from the clip and disconnect the battery wires from the top of the battery. Reverse the process to install the new battery.



The Ampeg Scrambler (as well as most of the other side of this publication) - although reborn for a new era, was preserved as close as possible to the way it was back in the days of its first release (1969 - 1970). Please use the following supplemental information as well as you explore your new Ampeg Scrambler. Thank you, and enjoy!

## sample settings:

thick fuzz:



*adjust Balance to taste*

bass fuzz:



*adjust Balance to taste*

octave boost:



*rhythm pickup, single notes - double stops will produce sub-harmonics*

octave swell:



*follow the Scrambler with an overdriven amp (or another gain pedal) - hard picking will push the fundamental through - as the note decays, the high octave effect comes in*

## specs, etc:

Input Impedance	1M ohm
Output Level Impedance	<10k ohm
Current Draw	2.5mA
Power	9V Battery, AC adapter - negative tip
Dimensions	2-11 1/4" H x 5-1/2" W x 7" D
Weight	3 lbs.

### Declaration of Conformity

**Manufacturer's Name:** SLM Electronics  
**Corporate Headquarters:** 1901 Congressional Drive, St. Louis, Missouri 63146  
**Primary Production Facility:** 700 Hwy 202 W, Yellville, Arkansas, 72687

**Product Type:** Audio Amplifier

**Products meet the regulations for compliance marking under:**

ETL standards UL6500, UL60065, or UL813  
CSA standards E60065 or C22.2 No.1-M90  
CE safety standard EN60065  
CE EMC standards EN55103 or EN55013 and EN61000  
C-tick designation Level 2, ABN #56748810738, ARBN# N222  
KETI standard K60065 (limited model approval)

Compliance Support Contact: SLM Electronics, Attn: R&D Compliance Engineer  
1901 Congressional Drive, St Louis, Missouri, 63146 • Tel.: 314-569-0141, Fax: 314-569-0175

***Ampeg – The Power of Bass***

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