

OVATION AMPLIFIERS

OPERATING MANUAL FOR THE OVATION MODEL K-6300 GUITAR, SELF-CONTAINED POWER AMPLIFIER

You have purchased the finest audio amplification equipment made in the world today. It has been electronically and mechanically designed to perform with the ultimate of reliability. However, this equipment incorporates certain sound control applications that are quite different from other equipment you may have used.

In order for this equipment to perform in the manner for which it was designed, you should read the instructions contained in this manual carefully and follow the directions and explanations exactly.

If you have any questions, refer to the instructions at the end of this manual.

AMPLIFIER MODEL K-6300 — DESCRIPTION

The Ovation Model K-6300 is a solid state modular designed unit, specifically engineered to provide maximum power and flexibility throughout the audio range. This amplifier provides a wide range of performance and versatility of audio amplification.

This amplifier contains its own preamplifier circuit with VOLUME control, BASS, TREBLE, and REVERB. effects. This built-in circuit eliminates the need for an external preamplifier. However, a preamp input jack is provided for the connection of an external preamplifier for added special audio effects.

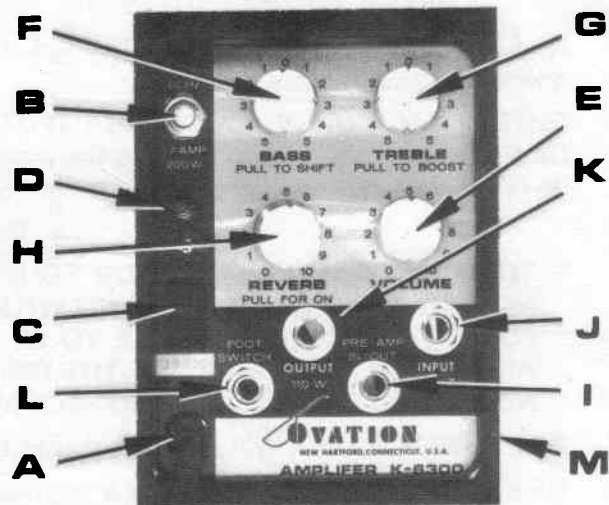
This amplifier is designed to supply 100 watts RMS into a 4 ohm output impedance (240 watts of music power). Frequency response is 20 to 20,000 cycles, ± 0.5 DB (5 to 100,000 cycles, ± 4 DB) with a noise level of under 5 millivolts at full rated power.

To protect the system from possible overloads, a "FAILSAFE" circuit is designed into the amplification circuitry. The circuit is specifically designed to operate in micro-seconds when the full rated power limits are exceeded. An easily reset circuit breaker replaces old-fashioned fuses.

The amplifier components are protected from excessive heat by a finned heat sink that provides safe operation even during prolonged high output usage.

HOW TO INTER-CONNECT AND OPERATE THE K-6300 WITH OTHER EQUIPMENT

1. Check to see that the POWER ON-OFF switch on the amplifier is OFF.
2. Turn all controls (VOLUME, BASS, TREBLE, and REVERB) to their '0' settings and be sure the controls are placed to the IN position.
3. Connect the power cord to a 117 volt, 60 cycle electric outlet.
4. Connect your instrument to the HI-Z INPUT jack with a standard 1/4" phone plug shielded cord.
5. Place the ON-OFF switch to either ON position, whichever gives the least amount of power hum in the speakers.
6. Slowly increase the VOLUME, BASS, TREBLE, and REVERB controls. REFER TO THE APPROPRIATE PARAGRAPHS FOR THE OPERATION OF THE AMPLIFIER CONTROLS.
7. The foot switch may be connected if the reverb is to be controlled remotely.
8. A preamplifier green INPUT jack (marked PREAMP IN/OUT) is provided in the event it is desired to add:
 - 1) an external preamplifier for special audio effects, or
 - 2) another 100 watt power amplifier for more power.



Follow the equipment set-up connections contained in the operating manual for the equipment being used.

9. A red OUTPUT jack is provided in the amplifier in the event it is desired to add an auxiliary non-powered speaker to the system.

OPERATING CONTROLS (Refer to illustration)

- A. **LINE CORD** — With standard two-prong plug, for use in a 117 volt, 60 cycle electric outlet only. This amplifier requires 200 watts or 1.7 amps.
 - B. **CIRCUIT BREAKER** — Designed to open the circuit should an overload or malfunction occur in the amplifier. This type of circuit breaker requires no cooling off period and may be reset immediately. To reapply power to the amplifier, just press the red reset button and release. No fuses are required with any Ovation equipment.
 - C. **ON-OFF SWITCH** — The ON-OFF switch is a three-position switch. One position of this switch is OFF. The other two positions of this switch reverse the line connections. Select the ON position that gives the least amount of power hum in the speakers.
 - D. **INDICATOR LIGHT** — The red light will come on when power is applied to the amplifier and the circuit breaker is closed. If an overload opens the circuit breaker, this light will go off.
 - E. **VOLUME CONTROL** — The VOLUME control regulates the amount of gain in the amplifier.
 - F. **BASS CONTROL** — The BASS control varies the low frequency response of the amplifier. When the BASS control is turned left of 'O', the bass notes are de-emphasized. Turning the BASS control right of 'O' will accentuate the bass tones. BASS SHIFT is operated by pulling the BASS control knob out. This changes the response curve from bass guitar (BASS control pushed in) to lead guitar (BASS control pulled out).
 - G. **TREBLE CONTROL** — The TREBLE control varies the high frequency response of the amplifier. When the TREBLE knob is turned left of 'O', the treble notes are de-emphasized. Turning the TREBLE control right of 'O' will accentuate the treble tones. Pulling out the TREBLE control knob increases the high frequency response of the amplifier.
 - H. **REVERB CONTROL** — Reverb is turned on by pulling out the REVERB control knob. Rotating the knob clockwise will increase the amount of reverb.
 - I. **PREAMP IN/OUT JACK (GREEN)** — This jack allows an external preamplifier to be used to add special audio effects. Connect the green OUTPUT jack of the preamp to this green jack with a standard 1/4" phone plug cord. This jack can also be used to connect other amplified speaker units. Connect this green jack to the green INPUT of the auxiliary powered speaker.
- NOTE: WHEN USING AN EXTERNAL PREAMPLIFIER FOR SPECIAL AUDIO EFFECTS, BE SURE THE INSTRUCTIONS FOR THE PREAMPLIFIER CONTROLS ARE UNDERSTOOD. FOR COMPLETE DESCRIPTION AND OPERATION OF THE PREAMPLIFIER CONTROLS, REFER TO THE PROPER INSTRUCTIONS MANUAL.**
- J. **HI-Z INPUT JACK** — The HI-Z INPUT jack is used for connecting the instrument. Use a standard 1/4" phone plug and shielded cord.
 - K. **OUTPUT JACK (RED)** — This red OUTPUT jack is used to drive non-powered external speakers and Ovation Freq-Lites. The speakers in the enclosure are internally connected to the power amplifier and do not require external connection for normal operation.

CAUTION

TO AVOID DAMAGE TO YOUR EQUIPMENT, THE RED OUTPUT JACK IS NOT TO BE USED TO CONNECT THIS UNIT WITH ANOTHER POWERED ENCLOSURE. OTHER POWERED ENCLOSURES ARE TO BE CONNECTED TO THE SYSTEM IN ACCORDANCE WITH PARAGRAPH I. THE ONLY SPEAKER UNITS THAT ARE TO BE CONNECTED TO THIS RED OUTPUT JACK MUST BE NONPOWERED ENCLOSURES.

- L. **FOOT SWITCH JACK** — Accepts a single button foot switch, K-9604, for tuning reverb on or off.
- M. **HEAT SINK** — The finned heat sink provides safe transistor operation under prolonged high output usage. To receive the maximum life of the amplifier components, BE SURE THAT THERE IS PLENTY OF AIR SPACE AROUND THE HEAT SINK TO ALLOW FOR GOOD VENTILATION.

The instructions contained in this manual should be all that are required to properly operate the equipment. However, if you have any questions, your local dealer will be glad to help you. If it is not possible to visit your local dealer, write to the Ovation Customer Service Department. Be sure to include the equipment model number and your return address in all correspondence.

**CUSTOMER SERVICE DEPARTMENT
Ovation Instruments
New Hartford, Connecticut 06057**