

# Diamond Blue

*Ampeg* CLASSIC



## MODEL R-50H

## OWNER'S GUIDE

## THE FRONT PANEL:



**1. Power switch** turns the main power on and off. *Always turn this switch on first, off last. Turn the Standby switch (#2) on at least 30 seconds after turning on the Power switch.*

**2. Standby switch** activates the amplifier when ready for play. *Always turn this switch off first, on last. Turn the Power switch (#1) on at least 30 seconds before turning on the Standby switch. During short breaks of use, turn the Standby switch off, leaving the Power switch on. This will help prolong the life of the amplifier's tubes.*

### IMPORTANT! PLEASE NOTE:

Always connect the amplifier to a suitable speaker cabinet and set the Impedance switch (#18) to the proper setting **BEFORE** turning the amplifier on!

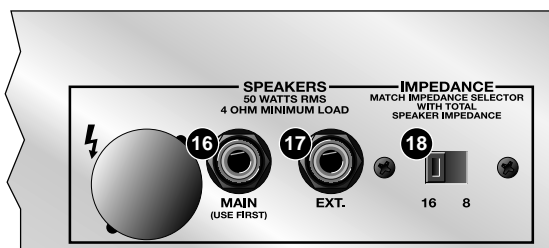
**3. Power light** indicates the amplifier is turned on by glowing an iridescent blue color.

**4. Channel Select** activates the clean channel in the down position and the overdrive channel in the up position. When a footswitch is connected (see #5), this switch is bypassed and has no affect.

**5. Footswitch** allows "remote control" of the channel selection and reverb on/off. Insert the stereo 1/4" plug of a two-button footswitch (such as Ampeg's AFP-2) here. The "tip" connection controls channel switching, the "ring" controls the reverb.

**6. Line In** serves as the "return" jack of an effect loop, when connected to the output jack of a floor pedal or rack-mounted processor. This jack can double as a direct-into-the amplifier signal feed when using the amp as a "slave" or extension amplifier.

## THE REAR PANEL:



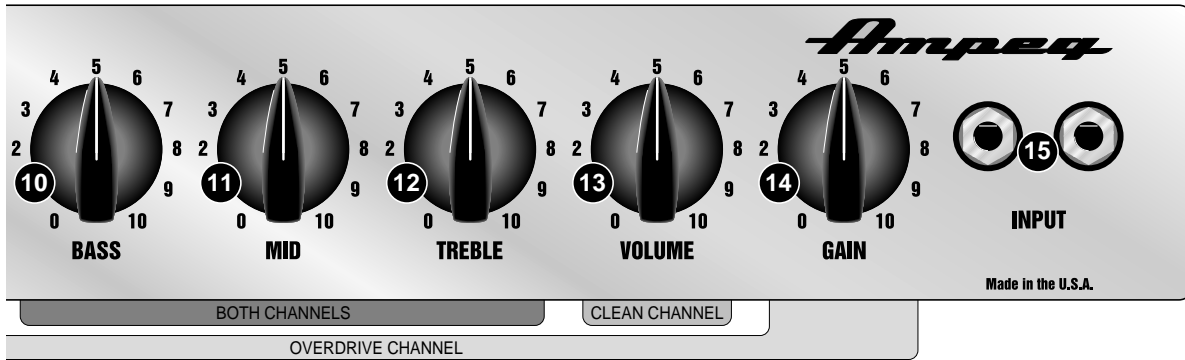
**16. Main Speaker jack:** Use this jack to connect the amplifier to your speaker cabinet. Always use this jack "first" – if using a second cabinet, connect it to the Extension Speaker jack (#17).

**17. Ext. Speaker jack:** Use this jack to connect the amplifier to a *second* speaker cabinet – always use the Main Speaker jack (#16) "first."

**18. Impedance switch:** Use this switch to match the amplifier to the TOTAL impedance of your speaker cabinet(s). Use the following chart to determine the total impedance (in parallel):

CABINET IMPEDANCE	NUMBER OF CABINETS	TOTAL IMPEDANCE
16 ohms	2	8 ohms

**19. AC Line In:** Use the supplied power cord to connect the amplifier to a suitable source of A.C. voltage. This is a grounded, three-wire cord and must be connected to a properly grounded outlet. **DO NOT attempt to defeat the ground connection of the power cord!** See the serial number label for power ratings.



**7. Line Out** serves as the “send” jack of an effect loop, when connected to the input jack of a floor pedal or rack-mounted processor. This jack can double as a signal output for connecting directly to a house sound console, recording console, powered monitor or external amplifier.

**8. Reverb** controls the amount of reverberation applied to both channels. With the control at the “0” position there is no reverb applied; as the control is turned towards “10” the amount of reverb increases accordingly.

**9. Master** controls the output volume level of the overdrive channel. This control works with the Gain control (#14) to produce sounds from slightly distorted to screaming and everything in between.

**10. Bass** adjusts the output level of the low frequencies for both channels. This control offers a cut or boost of 24dB at 40Hz for both channels.

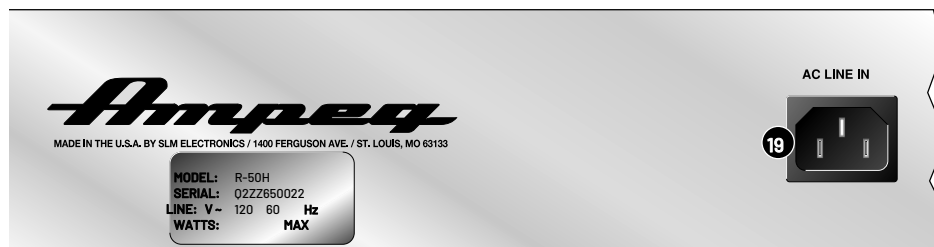
**11. Mid** adjusts the output level of the middle frequencies for both channels. This control offers a cut or boost of 8dB at 700Hz for both channels.

**12. Treble** adjusts the output level of the high frequency range for both channels. This control offers a cut or boost of 24dB at 5kHz for the clean channel, 24dB at 2kHz for the overdrive channel.

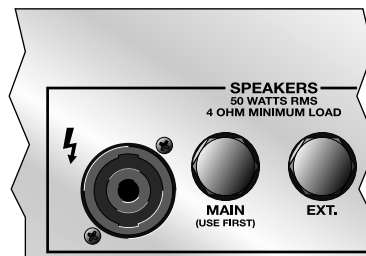
**13. Volume** controls the output level of the clean channel.

**14. Gain** sets the amount of overdrive distortion for the overdrive channel. This control works along with the Master control (#9).

**15. Each Input** accepts a standard 1/4” instrument plug from your electric guitar. The right input is at 0dB level while the left input is padded 6dB to compensate for higher output sources.









**IMPORTANT NOTE ABOUT CERTAIN EXPORT UNITS:**  
*In some areas 1/4” speaker jacks are not acceptable for use on amplifiers capable of high output power levels. For this reason the Speaker jacks on your amplifier may resemble the illustration to the right. Connect the amplifier to your speaker(s) using cables rated for very high output power, terminated with the appropriate connectors.*



# R-50H TECHNICAL SPECIFICATIONS

<b>OUTPUT POWER RATING</b>	50 Watts RMS @ 10 % THD 8 ohm load 120 VAC
<b>SIGNAL TO NOISE RATIO</b>	65dB Typical
<b>POWER REQUIREMENTS</b>	Domestic 100/120 VAC, 60 Hz, 115VA Export: 100/115 VAC, 50/60 Hz, 115VA 230VAC, 50/60Hz, 115VA
<b>GAIN</b>	60 dB Clean channel, 95 dB Overdrive channel
<b>TREBLE</b>	24 dB Range @ 5 kHz Clean channel 24 dB Range @2kHz Overdrive Channel
<b>MID</b>	8 dB Range @ 700 Hz
<b>BASS</b>	24 dB Range @ 40 Hz
<b>TUBE COMPLEMENT</b>	Power Amp: EL34 (2); Preamp: 12AX7A (3)
<b>SIZE AND WEIGHT</b>	29.75"W x 11.25" H x 9.5"D, 34.2 lbs.

The R-50H 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.

 <p><b>CAUTION</b> RISK OF ELECTRIC SHOCK DO NOT OPEN</p> <p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	<p>THIS EQUIPMENT HAS BEEN DESIGNED AND ENGINEERED TO PROVIDE SAFE AND RELIABLE OPERATION. IN ORDER TO PROLONG THE LIFE OF THE UNIT AND PREVENT ACCIDENTAL DAMAGES OR INJURY, PLEASE FOLLOW THESE PRECAUTIONARY GUIDELINES:</p>	<p>ESTE APARATO HA SIDO DISEÑADO Y CONSTRUÍDO PARA PROVEER AÑOS DE OPERACION SEGURA Y CONFIABLE. PARA PROLONGAR LA VIDA DE ESTA UNIDAD E IMPEDIR DANOS ACCIDENTALES POR FAVOR SIGA ESTAS INSTRUCCIONES PREVENTIVAS:</p>	<p>CET ÉQUIPEMENT AVAIT ÉTÉ INVENTÉ ET ARRANGÉ POUR POUVOIR DES ANNÉES D'USAGE SAUF ET SUR. POUR PROLONGER LA VIE DE CET APPAREIL ET POUR EMPÊCHER LES DOMMAGES ET LES TORTS ACCIDENTELS, SUIVEZ LES INSTRUCTIONS DE PRECAUTION.</p>
 <p><b>PRECAUCION</b> RIESGO DE CORRIENTAZO NO ABRA</p> <p>PRECAUCION PARA DISMINUIR EL RIESGO DE CORRIENTAZO NO ABRA LA CUBIERTA NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS</p>	<p><b>CAUTION:</b> TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT OPEN CHASSIS; DO NOT DEFEAT OR REMOVE THE GROUND PIN OF THE POWER CORD; CONNECT ONLY TO A PROPERLY GROUNDED AC POWER OUTLET.</p>	<p><b>PRECAUCION:</b> PARA DISMINUIR EL RIESGO DE DESCARGAS ELECTRICAS: (1) NO ABRA LA CUBIERTA, (2) NO ES RECOMENDABLE REMOVER O DESACTIVAR LA PATA DEL POLO A TIERRA DEL CABLE DE CORRIENTE, CONECTE CORRECTAMENTE A UNA TOMA DE CORRIENTE A TIERRA.</p>	<p><b>AVERTISSEMENT:</b> POUR RÉDUIRE LES RISQUES D'ÉLECTROCUTION: (1) N'OUVREZ PAS LE CHÂSSIS, (2) NE PAS ESSAYER DE SUPPRIMER LA BROCHE CORRESPONDANT À LA TERRE.</p>
 <p><b>ATTENTION</b> RISQUE D'ELECTROCUTION NE PAS OUVRIR</p> <p>ATTENTION: POUR RÉDUIRE D'ELECTROCUTION NE PAS ENLEVER LE COUVERCLE. AUCUNE PIÈCE INTERNE N'EST RÉPARABLE PAR L'UTILISATEUR. POUR TOUTE RÉPARATION, S'ADRESSER À UN TECHNICIEN QUALIFIÉ.</p>	<p><b>WARNING:</b> TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.</p>	<p><b>ADVERTENCIA:</b> PARA EVITAR DESCARGAS EL ECTRICAS O PELIGRO DE INCENDIO, NO DEJE ESTE APARATO EXPUESTO A LA LLUVIA O HUMEDAD.</p>	<p><b>ATTENTION:</b> IL N'Y A PAS D'ÉLÉMENTS RÉPARABLES DANS L'APPAREIL. CONSULTEZ UN TECHNICIEN QUALIFIÉ POUR LES RÉPARATIONS.</p>
 <p><b>VORSICHT</b> ELEKTRISCHE SCHLÄGGEFAHR NICHT OFFENEN</p> <p>VORSICHT: ZUR MINIMIERUNG ELEKTRISCHER SCHLÄGGEFAHR NICHT DEN DECKEL ABENHMEN. INTERNE TEILE KÖNNEN NICHT VOM BENUTZER GEWÄRDET WERDEN. DIE WÄRTUNG IS QUALIFIZIERTEM WÄRTUNGSPERSONAL ZU ÜBERLASSEN.</p>	<p><b>CAUTION:</b> NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p> <p><b>CAUTION:</b> 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.</p>	<p><b>PRECAUCION:</b> NO HAY PIEZAS ADENTRO QUE EL USUARIO PUEDE REPARAR. DEJE TODO MANTENIMIENTO A LOS TECNICOS CALIFICADOS.</p>	<p><b>ATTENTION:</b> NOS AMPLIFICATEURS SONT CAPABLES DE LA PRODUCTION DES NIVEAUX DE SON D'UNE HAUTE PRESSION. L'EXPOSITION CONTINUE AUX CES NIVEAUX PEUT CAUSER LA SURDITÉ PERMANENTE. LA PRUDENCE EST ADVISE À UTILISATEUR ET LA PROTECTION DES OREILLES EST RECOMMANDÉ SI L'APPAREIL EST UTILISÉ À UN HAUT NIVEAU DE VOLUME.</p>
<p>EXPLANATION OF GRAPHICAL SYMBOLS: EXPLICACION DE SIMBOLOS GRAFICOS: EXPLICATION DES SYMBOLES GRAPHIQUES:</p>	 = "DANGEROUS VOLTAGE" "VOLTAJE PELIGROSO" "DANGER HAUTE TENSION" "GEFAHLICHE SPANNUNG"	 = "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" "UNBEDINGT IN DER BEDIENUNGSANLEITUNG NACHSCHLAGEN"	

Specs and other information subject to change without notice.

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St. Louis, MO 63133 U.S.A.



P/N 47-277-15 • 02/97