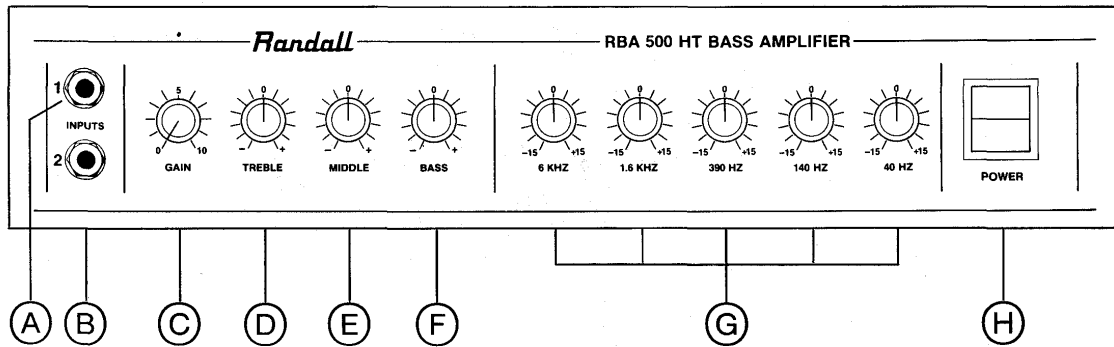


Randall

RBA 500 HT OWNER'S MANUAL



RBA 500 HT FRONT PANEL



(A) Input Jack 1

This input will be used with most musical instruments. Use good quality shielded guitar cords with 1/4" phone plugs. This input can accept up to 7.5 volts RMS.

(B) Input Jack 2

This input will be used with very hi output instruments; it will accept up to 15 volts RMS.

(C) Gain

The Gain Control is active and very linear in its output level. A setting of 2 to 4 is a good initial setting.

(D) Treble

The Treble Control is a true active boost and cut as are all the Tone Controls in this amplifier. See "Typical Setting" chart.

(E) Middle

The Middle Control Cuts and boosts the frequencies around 350 Hz to 500 Hz.

(F) Bass

The Bass Control determines the amount of Bass cut and boost. Bass Swing @ 40 Hz is 24 dB.

(G) Equalizer

This section allows equalization around five bands of frequencies: 40, 140, 390, 1.6K and 6K Hz. The 40, 140 and 390, 1.6K, 6K Hz equalizer controls are peaking.

This enables the player to fine tune to the desired sound. In high volume operation, the 40 Hz control should be left at center or below, which results in optimum bass response. Bass may also be enhanced with proper adjustment, if needed, of the 140 cycle equalizer control. Extreme highs and mids can be obtained with this amplifier by using the channel treble, middle and bass controls in conjunction with the graphic equalizer. When the channel treble is fully clockwise and the equalizer is peaked on the high end some noise will be generated, but also the treble will be boosted enormously.

(H) Pilot Light and Power Switch

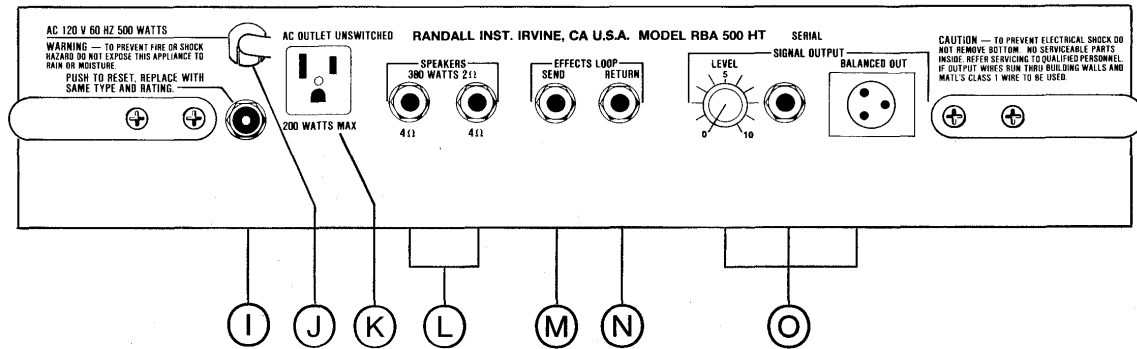
The Pilot Light is activated when the amplifier is turned on.

The power switch provides a means of turning the amplifier on.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION — TO PREVENT ELECTRICAL SHOCK, DO NOT REMOVE BACK OR CHASSIS. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

RBA 500 HT BACK PANEL



(J) AC Line Cord

To be connected to any external power source capable of supplying 115-125 VAC at 50/60 Hz, 500 watts. Use grounded AC receptacle only.

(I) Circuit Breaker

The circuit breaker is actually a mechanical fuse and protects the amplifier from extreme overload conditions. Pushing in on the red circuit breaker button will set it, and it need not be reset unless caused to trip by an extreme overload. If the circuit breaker does trip and cannot be reset, it indicates trouble that should be investigated by a qualified technician.

(K) AC Convenience Outlet

Can be used as an external power source to supply any piece of equipment requiring 115-125 VAC at 50/60 Hz, 200 watts. This outlet is not switched.

(M) (N) Effects Jack

The jack labeled "effects send" should be connected to the input of the effects unit. The jack labeled "effects return" should be connected to the output of the effects unit. The effects buss is pre power amplifier and post pre amplifier.

(O) Signal Outputs

The signal output jacks provide an output signal for driving additional amplifiers, or for driving a tape recorder for recording directly from the amplifier and eliminating the need to mike the speakers.

Any amplifier mixer or tape recorder can be connected to the pre-amp output jack, as long as it will

accept a 0 to 2 volt RMS signal and has an input impedance of at least 600 ohms. The XLR connector is transformer balanced.

The "level" control is for adjusting the level of signal at the signal output jacks.

(L) Speaker Jacks

Used to connect external speaker cabinets of not less than 4 ohms each. Less than 2 ohms total load not recommended.

SHOCKS

Shocks are caused by a difference in the electrical potential between two pieces of equipment or between a piece of equipment and some grounded object. If shocks should continue to be felt after adjustment, it is suggested that a competent technician examine the equipment. Shocks can be dangerous. Do not use equipment if shocks persist.

CARE OF EQUIPMENT

Your amplifier is designed for rugged service, but to insure long and trouble free life, treat the equipment as you would any other electronic device. Do not handle it roughly or try to make it perform beyond its design specifications.

You have purchased the finest quality amplifier it is possible to buy. Treat it well, and it will perform far beyond your expectations.

NOTE: Be sure to send in your warranty card.

Sample Tone Settings

	Gain	Treble	Middle	Bass	Equalizer				
					40	140	390	1.6K	6K
Jazz/String Bass	2	4	8	2	-7	0	+3	-8	-15
Funk/Slap	3	5	2	8	0	0	-12	+12	0
Rock	3	10	0	7	0	0	0	0	-15
Pop	2	4	3	6	0	0	+3	-7	-15
C & W	3	7	2	5	-7	+3	0	0	0
Lead Bass	3	5	5	4	-3	0	0	-7	-12

Note: These settings may vary with brand of bass guitar and type and size of speakers used.

SPECIFICATIONS RBA 500 HT

POWER OUTPUT	2 Ohms 380 Watts
MINIMUM INPUT SIGNAL FOR RATED OUTPUT	75 Mv. Gain @ 10, Treble, Middle, Bass @ 5, Equalizer @ 0
TONE CONTROLS	Treble Swing @ 10 KHz 25 dB Treble Swing @ 5 KHz 24 dB Middle Swing @ 500 Hz 11 dB Bass Swing @ 40 Hz 24 dB
NOISE	ALL TONE CONTROLS @ 5, Equalizer @ 0, Gain @ 0 -75 dB
EFFECTS LOOP	Effects Send .70 volts RMS Effects Return 50 K Ohms
SIGNAL OUTPUT	∅ to 2 volts RMS 600 Ohms
INPUT IMPEDANCE	Hi + 6 dB Jack, 1 MEG Ohm Lo ∅ dB Jack 130K Ohm
INPUT HEADROOM	7 volts RMS @ Hi + 6 dB Input 14 volts RMS @ Lo ∅ dB Input
AC OUTLET	200 Watts Unswitched
POWER AMPLIFIER DAMPING FACTOR	200 @ 8 Ohms
AC LINE VOLTAGE FOR RATED OUTPUT	120 VAC 60 Hz, 500 Watts
WEIGHT	17 lb.
SIZE	3.5" H x 19" W x 10" D

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