U.S.MUSIC/**RANDALL** AMPLIFIERS

U.S.A.

WARNING: To prevent fire or shock 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.

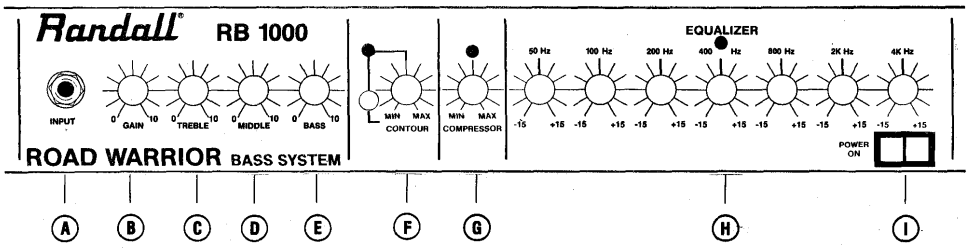
SPECIFICATIONS

POWER OUTPUT	2 Ohms 300 Watts
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	0 to volts RMS 600 Ohms
INPUT IMPEDANCE	1 MEG ohm
INPUT HEADROOM	7 volts RMS
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 19" W x 10" D

Randall

RB-1000 OWNER'S MANUAL

The Randall RB-1000 is a compact, hi power, rack mountable bass amplifier. It offers many features requested by the modern bassist. It contains a footswitchable seven band graphic equalizer, passive Treble, Middle and Bass controls and Randall's exclusive "Contour" control for added tonal flexibility. There is a variable compressor and direct outputs for driving other amplifiers or PA mixers. The direct out feature consists of a transformer balanced XLR jack with ground lift switch and an unbalanced ¼" phone jack. There is a pre-post EQ switch and a knob to control the direct out level. An effects loop is also provided for external signal processing. These features combined with it's highly reliable power amp make the RB-1000 one of the most desirable bass amplifiers in the world.



(A) INPUT JACK
This input is to be used with musical instruments. Use good quality shielded guitar cords with ¼" phone plugs. This input can accept up to 7.5 volts RMS.

(B) GAIN
The gain control is active and very linear in its output level. A setting of 2 to 4 is a good initial setting.

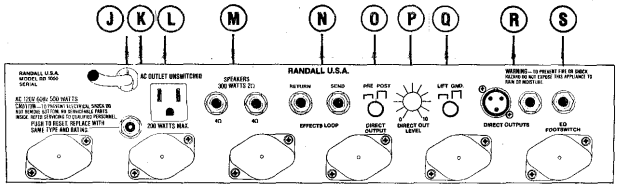
(C) TREBLE CONTROL (D) MIDDLE CONTROL (E) BASS CONTROL
These controls provide a high degree of tone variation. Initially set all tone controls to mid range and then adjust each until the desired sound is obtained.

(F) CONTOUR
The contour switch when depressed, boosts the bass and treble frequencies. The amount of middle frequency dip is controlled by the contour control "F". The LED above the contour switch is lit when the contour switch is in use.

(G) COMPRESSOR
The primary use of the compressor is to keep the power amplifier from going into hard clipping or distortion at very high output levels. To activate the compressor simply turn the control clockwise until the LED, above the control, turns red on peaks. The "Squeeze Bass" effect can be obtained by turning the compressor control to "10".

(H) EQUALIZER
The equalizer is a peaking type with the frequency listed above each knob. Be careful when using these as extreme boost or cut can alter the tone drastically. Each control is capable of boosting or cutting the frequency in its range by up to 15 dB. The frequency range of the equalizer is from 50 Hz to 4 kHz.

(I) POWER SWITCH
The pilot light is activated when the amplifier is turned on. The Power Switch provides a means of turning the amplifier on.



(J) AC LINE CORD
To be connected to any external power source capable of supplying 115-125 VAC @ 50/60 Hz. Use grounded AC receptacle only.

(K) CIRCUIT BREAKER
The circuit breaker is actually a mechanical fuse and protects the amplifier from extreme overload conditions. If amplifier turns off because of overload, pushing on the red circuit breaker button will reset. If circuit breaker cannot be reset, or continues to trip, it is an indication of trouble and should be investigated by a qualified technician.

(L) AC CONVENIENCE OUTLET
This can be used to supply an additional piece of equipment requiring 115-125 VAC at 50/60 Hz. 200 watts. This outlet is not switched from the on-off switch.

(M) SPEAKER OUTPUT JACKS
Use to connect the internal speaker of the amplifier or external speakers as required.

(N) EFFECTS JACKS
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 prepower amplifier and post pre amplifier.

(O) PRE-POST SWITCH
This switch when depressed puts the direct output jacks pre (before) the EQ and tone controls in the amplifier. The switch in the post (after) position puts the direct output after all tone and EQ controls.

(P) DIRECT OUT LEVEL
The "direct out level" controls the amount of signal at the direct output jacks.

(Q) GROUND LIFT SWITCH
The ground lift switch "Q" when depressed, disconnects pin 1 on the XLR jack "R" from chassis ground. This can be very useful when eliminating ground loops in the system, P.A. and recording boards.

(R) DIRECT OUTPUTS
The direct output is very useful when a direct connection to a P.A. System or recording board is required. The XLR is lo impedance and transformer balanced. The ¼" phone direct out jack is not balanced.

(S) EQ FOOTSWITCH
The "EQ Footswitch" jack is provided as a means to connect a footswitch for switching on or off the equalizer section of the amplifier. When on, the red LED below "Equalizer" indicates the equalizer is functioning.