

**WARNING: HAZARD**

To prevent a possible fire or shock do not allow appliance to become exposed to rain or moisture of any kind and do not attempt to operate with wet hands or feet.

This product is produced with the highest quality components and strict attention to workmanship. With proper care and maintenance it will provide long and outstanding service.

**SPECIFICATIONS PM-6 AND PM-8**

OUTPUT POWER EACH AMP	@ 1KHz - 200 watts @ 4 ohms 2% THD
HUM	90dB
DISTORTION	Mixer Section - .05%
AUX INPUT	8-mV minimum @ 50K for 0 VU
MAIN OUTPUT	1.2V RMS @ 0VU
MONITOR OUTPUT	1.2V RMS 2 0 VU
MAX MIXER OUTPUT	7V RMS
EFFECTS SEND	1.2V RMS @ 600 ohm
EFFECTS RETURN	1.2V RMS @ 50K ohm

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# *Randall*

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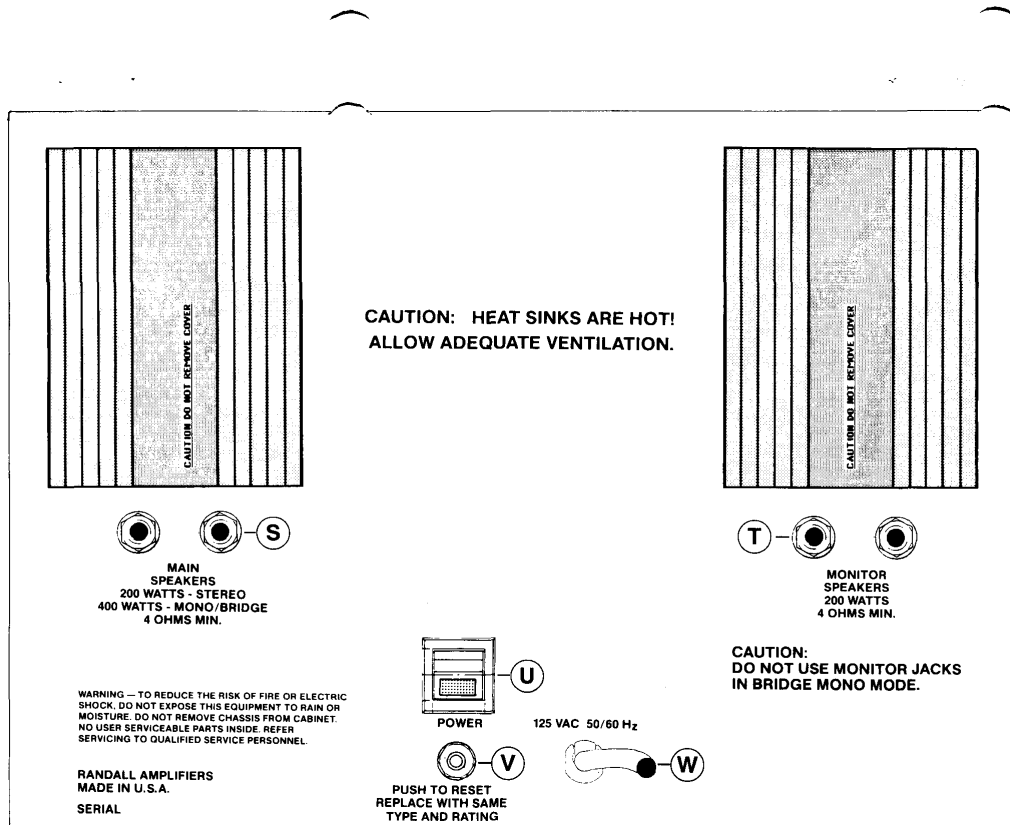
## PM-6 AND PM-8 OWNER'S MANUAL

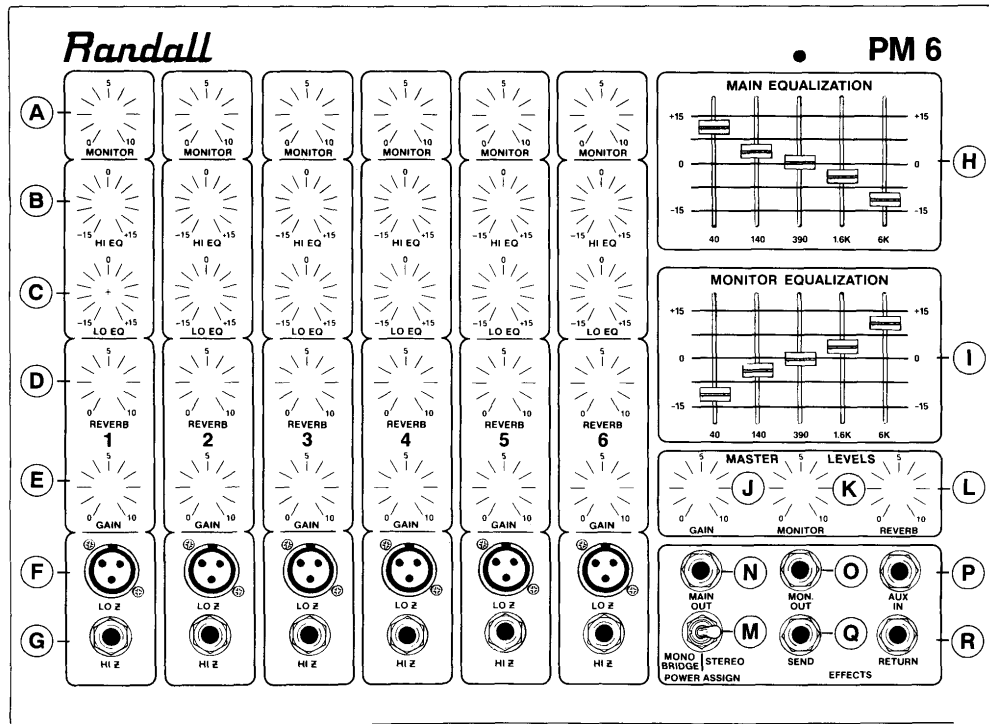
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Randall PM-6 and PM-8 are six and eight channel powered mixers. The pre-amp sections have high and low impedance active inputs. Each channel has gain, reverb, and monitor sends. The active Hi and Low EQ sections have plus and minus 15dB cut and boost. The master section has a master gain, master reverb, 5 band EQ, direct out, effects loop, and a power amp assign switch. The monitor section has a master monitor control, 5 band EQ, and a direct out.

The power amp section is stereo with 200 watts assigned to the main and 200 watts assigned to the monitor. The amp can be mono bridged to the main speaker outputs for 400 watts of full power operation. The simple but powerful nature of Randall's Pm-6 and PM-8 powered mixers makes them perfect for all combo P.A. jobs. The powered main and monitor sections can also be used to effect stereo for disco applications. Clean power is one of the most important features a P.A. system can have. The Randall PM-6 and PM-8 powered mixers deliver lots of clean power in a versatile package. They are truly professional products and if cared for properly will give long and trouble free service.





- (A) MONITOR**  
Adjusts the monitor level for each individual channel. The monitor control is post EQ for each channel.

**(B) HI EQ**  
The "HI EQ" control is a shelving type providing plus and minus 15dB at 20 KHz.

**(C) LO EQ**  
The "LO EQ" control is a shelving type providing plus and minus 15dB at 30 Hz.

**(D) REVERB**  
Controls the reverb level for each individual channel. The reverb affects the main signal only and will not be present in the monitors.

**(E) GAIN**  
Controls the volume level for each individual channel.

**(F) LO Z INPUT**  
This input will accept most low impedance sources requiring an XLR input.
- (G) HI Z INPUT**  
Will accept most hi impedance sources requiring a 1/4" phone jack.

**(H) MAIN EQUALIZATION**  
A peaking type equalizer with the frequency listed below each slide control. Use these controls carefully as extreme boost or cut can alter the tone drastically. Each control is capable of boosting or cutting the frequency in it's range by up to 15dB. Main equalization functions are for the main signal only.

**(I) MONITOR EQUALIZATION**  
Functions exactly the same as the main Equalizer but effects the monitor signal only.

**(J) MASTER GAIN**  
Controls the overall volume level of all channels simultaneously without affecting the mix of each individual channel. The main signal from this control is sent to the built in "MAIN" power amplifier and the Main Output jack (N). An initial setting of between 3 and 5 is recommended as a good starting point.

**(K) MASTER MONITOR**  
Controls the overall monitor volume level of all channels simultaneously without affecting the monitor mix of each individual channel. The monitor signal from this control is sent to the Mon. Output jack (O) at all times. The monitor signal is sent to the built in "MONITOR" power amp only if the Power Assign switch (M) is in the "STEREO" position. An initial setting of between 3 and 5 is recommended as a good starting point.

**(L) MASTER REVERB**  
Controls the overall reverb volume level for all channels simultaneously without affecting the reverb mix of each individual channel. An initial setting of between 3 and 5 is recommended as a good starting point.

**(M) POWER ASSIGN SWITCH**  
In the "STEREO" position, this switch allows the 2 built in power amplifiers to be used separately in a "stereo" fashion with one power amplifier being used to amplify the "Main" signal and the other being used to amplify the "Monitor" signal, each supplying 200 watts of power. When this switch is in the "MONO BRIDGE" position the separate built in power amplifiers are hooked together in a "Mono" fashion and assigned to the "Main" signal only, supplying 400

watts of power to the "Main" speaker output jacks (S). In the "MONO BRIDGE" mode the "Monitor" signal will be disconnected from the power amplifiers, but can still be accessed through the "MON. OUT" jack (O). DO NOT USE THE MONITOR SPEAKER JACKS (T) WHEN THIS SWITCH IS IN THE MONO BRIDGE POSITION AS IT WILL ALTER THE FULL POWER PERFORMANCE OF THE MIXER.

**(N) MAIN OUT**  
Provided as a means of supplying a low impedance line level signal source to another amplifier, mixer or tape recorder from the "Main" section of the mixer. The output level of this jack is controlled by the "Master Gain" control (J).

**(O) MON. OUT**  
Provided as a means of supplying a low impedance line level signal source to another amplifier, mixer or tape recorder from the "Monitor" section of the mixer. The output level of this jack is controlled by the "MASTER MONITOR" control (K).

**(P) AUX. IN**  
Provided for use with an external signal source. A tuner, tape player, mixer or other type of signal source providing an output level of 100 MV can be used. This input is connected to the "Main" section of the mixer and it's level is controlled by the Master Gain control (J).

**(Q) EFFECTS SEND and RETURN**  
Provided for the use of external effects devices. The jack labeled "SEND" should be connected to the input of the effects unit. The jack labeled "RETURN" should be connected to the output of the effects unit. Effects used with these jacks will appear on the "Main" signal only.

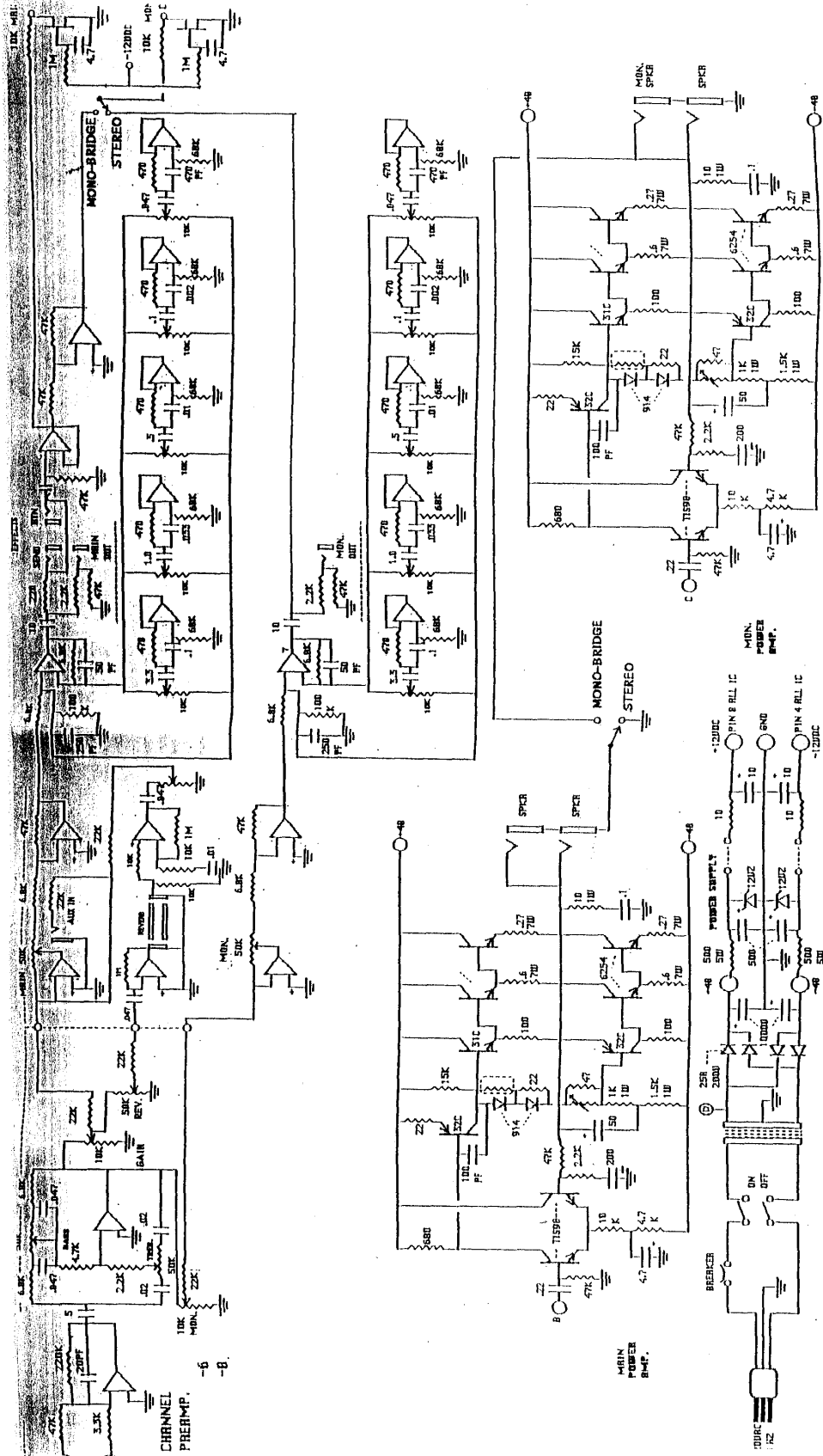
**(S) MAIN SPEAKERS**  
These jacks are provided to connect external speakers cabinets to the "Main" power amp of the mixer. Do not exceed the 4 ohms total rating.

**(T) MONITOR SPEAKERS**  
Provided to connect external speaker cabinets to the "Monitor" power amp of the mixer. Do not exceed the 4 ohms total rating. DO NOT USE THESE JACKS WHEN THE "POWER ASSIGN" SWITCH IS IN THE MONO BRIDGE POSITION AS IT WILL ALTER THE FULL POWER PERFORMANCE OF THE MIXER.

**(U) POWER SWITCH**  
Provides a method of turning the mixer on and off. This switch will illuminate in the "on" position.

**(V) CIRCUIT BREAKER**  
Actually a mechanical fuse and protects the mixer from conditions of extreme overload. Pushing in on the red circuit breaker button will set it and need not be reset unless caused to trip by an extreme overload. If the Circuit Breaker trips and cannot be reset, it indicates trouble that should be investigated by a qualified technician.

**(W) A.C. LINE CORD**  
Should be connected to any power source capable of providing the voltage and current specified on the panel near the cord.



U.S. MUSIC-RANDALL AMPS  
 PM-6 PM-8  
 ENG. KEVIN NELSON 5-92