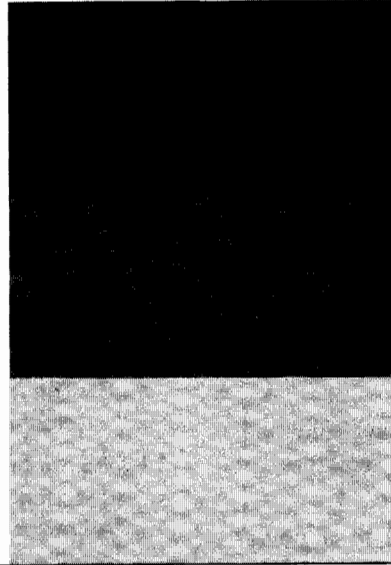


KAWAI



MX-8BR

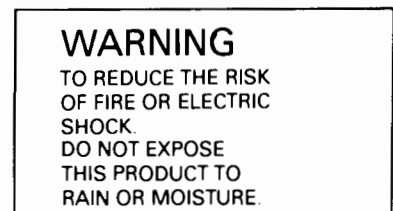
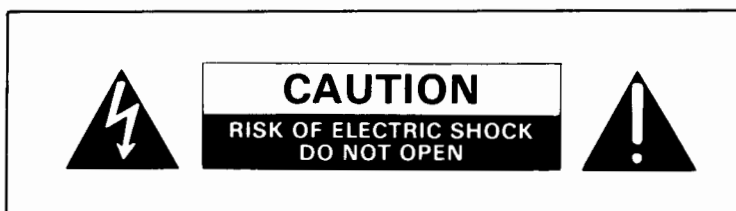
8 Channel Mixer

- Thank you for purchasing a **KAWAI MX-8BR** 8-Channel Mixer!
This Owner's Manual contains valuable information that will help you make full use of this instrument's many capabilities.
Read it carefully and keep it handy for future reference.

IMPORTANT SAFETY INSTRUCTIONS

WARNING — When using electric products, basic precautions should always be followed, including the following:

1. Read all the instructions before using the product.
2. Do not use this product near water — for example, near a bathtub, washbowl, kitchen sink, in a wet basement, or near a swimming pool, or the like.
3. This product, either alone or in combination with an amplifier and headphones or speakers, may be capable of producing sound levels that could cause permanent hearing loss. Do not operate for a long period of time at a high volume level or at a level that is uncomfortable. If you experience any hearing loss or ringing in the ears, you should consult an audiologist.
4. The product should be located so that its location or position does not interfere with its proper ventilation.
5. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
6. The product should be connected to a power supply only of the type described in the operating instructions or as marked on the product.
7. Always turn the power off when the instrument is not in use. The power-supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
8. During an electrical storm, turn off the power and unplug.
9. Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
10. The product should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the product; or
 - C. The product has been exposed to rain; or
 - D. The product does not appear to operate normally or exhibits a marked change in performance; or
 - E. The product has been dropped, or the enclosure damaged.
11. Do not attempt to service the product beyond that described in the user-maintenance instructions. All other servicing should be referred to qualified service personnel.



AVIS: RISQUE DE CHOC ELECTRIQUE -NE PAS OUVRIR.

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



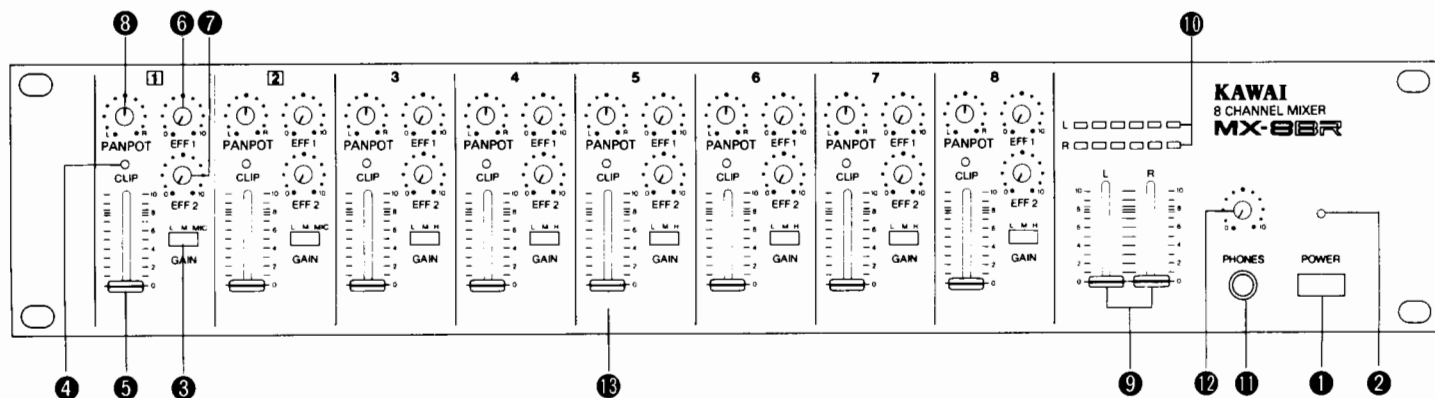
The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

■ FEATURES

1. A compact 19" rack mount type keyboard mixer with 8 input channels and 2 output channels.
2. Three-position (H/M/L) gain switches that permit mixing of the different levels from keyboards, drum machines, guitars, and vocals. (Channel 1 and 2 have a special microphone position.)
3. Two EFFECT loops, EFFECT1 and EFFECT2, for each channel.
4. PANPOT knob for each channel.
5. High signal-to-noise ratio (123 dB, IHF-A) to meet today's highest recording requirements.

■ CONTROLS

(I) Front Panel



① POWER SWITCH

Make sure that the MASTER FADER controls ⑨ are at their minimum levels before turning this switch on or off.

② POWER INDICATOR

This LED lights when the power is on.

③ GAIN (1, 2 ch: L/M/MIC) (3-8 ch: L/M/H)

These three-position switches allow you to adjust the channel gain to match the input level. The ones on channels 1 and 2 substitute a special microphone (MIC) position for the highest gain.

④ CLIP INDICATOR

These indicators warn when the input level exceeds the maximum. The gain switches can be used to eliminate clipping.

⑤ CHANNEL FADER

These sliders control the volume for each channel. The normal position is "8".

⑥ EFFECT 1 VOLUME

These knobs control the amount of each channel's signal which is sent to the EFFECT 1 mixing buss (Post-FADER).

⑦ EFFECT 2 VOLUME

These knobs control the amount of each channel's signal which is sent to the EFFECT 2 mixing buss (Post-FADER).

⑧ PANPOT

These knobs control the stereo balance for each channel.

⑨ MASTER FADER

These sliders control the volume on the two output channels.

⑩ LEVEL INDICATOR

These meters monitor the final output levels.

⑪ HEADPHONE JACK

This socket accepts a standard headphone jack.

⑫ HEADPHONE VOLUME

This knob controls the volume of the headphone output.

⑬ (BLANK SPACE)

This space is for affixing the gummed labels provided for indicating the sources for each channel.

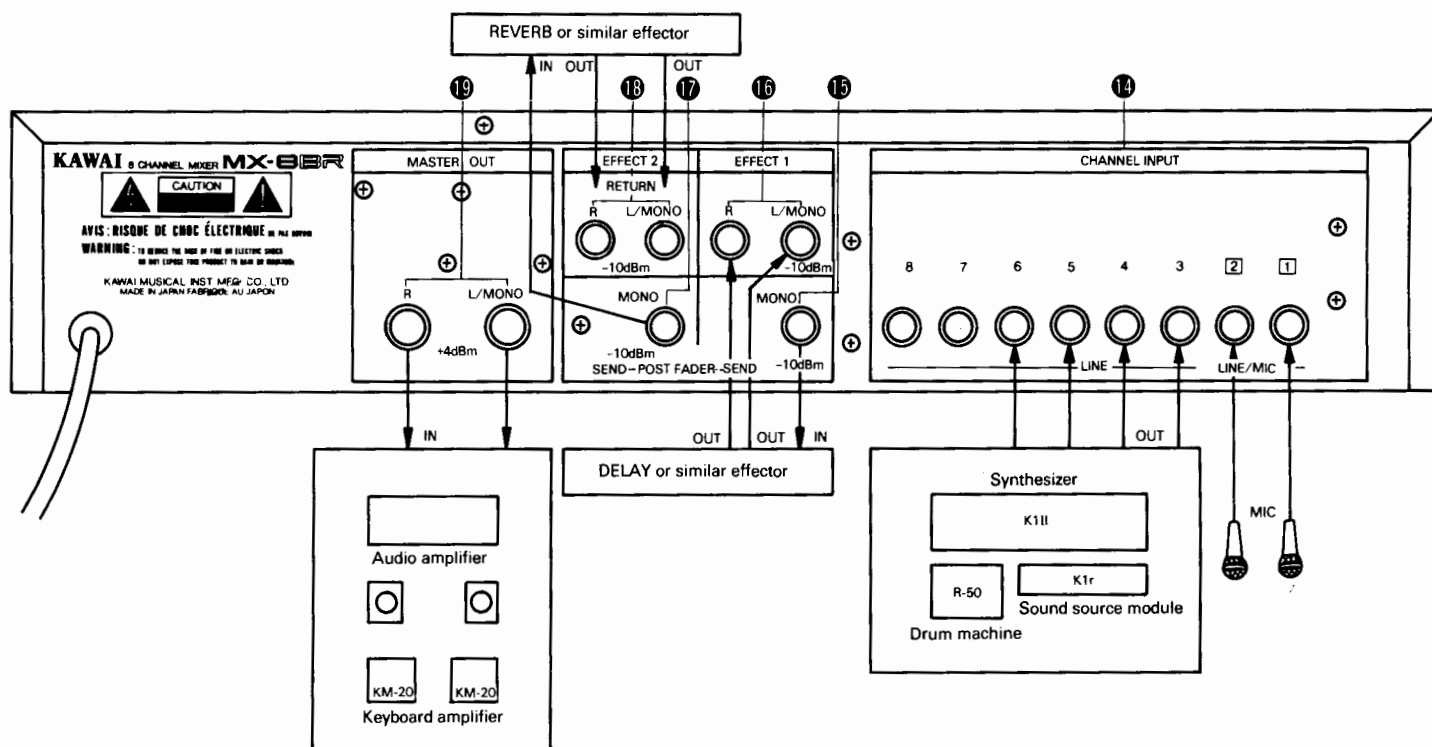
Note: Always use a lead pencil (grade "HB" or darker) or an oleaginous felt-tipped pen to write on the labels. To rewrite on a label, erase your previous entry with a rubber eraser. (Never use an aqueous felt-tipped pen to write on the labels.)

Note: Before applying the labels, wipe the area with a clean, dry cloth to remove any dirt or moisture.

■ IMPORTANT NOTES

- Always connect the mixer to the proper power supply.
- Use separate circuits for equipment that consumes a lot of power or generates line noise.
- Protect the mixer from dust, heat, humidity, and direct sunlight.
- Turn all power switches off before connecting or disconnecting equipment.
- Set the amplifier volume to its minimum setting before turning on the mixer.
- Clean the mixer with a clean, dry cloth.
- Do not use benzene, paint thinner, or other solvents.

(II) Rear Panel



⑭ INPUT 1~8ch

These PHONE jacks accept input from instruments and — for channels 1 and 2 only — microphones.

⑮ EFFECT 1 SEND

This terminal sends out signals passed through from ⑥, EFFECT 1 VOLUME.

⑯ EFFECT 1 RETURN (R & L/MONO)

These terminals connect to the effector's OUT jacks. If the effector's output is monaural, connect it to the L/MONO terminal.

⑰ EFFECT 2 SEND

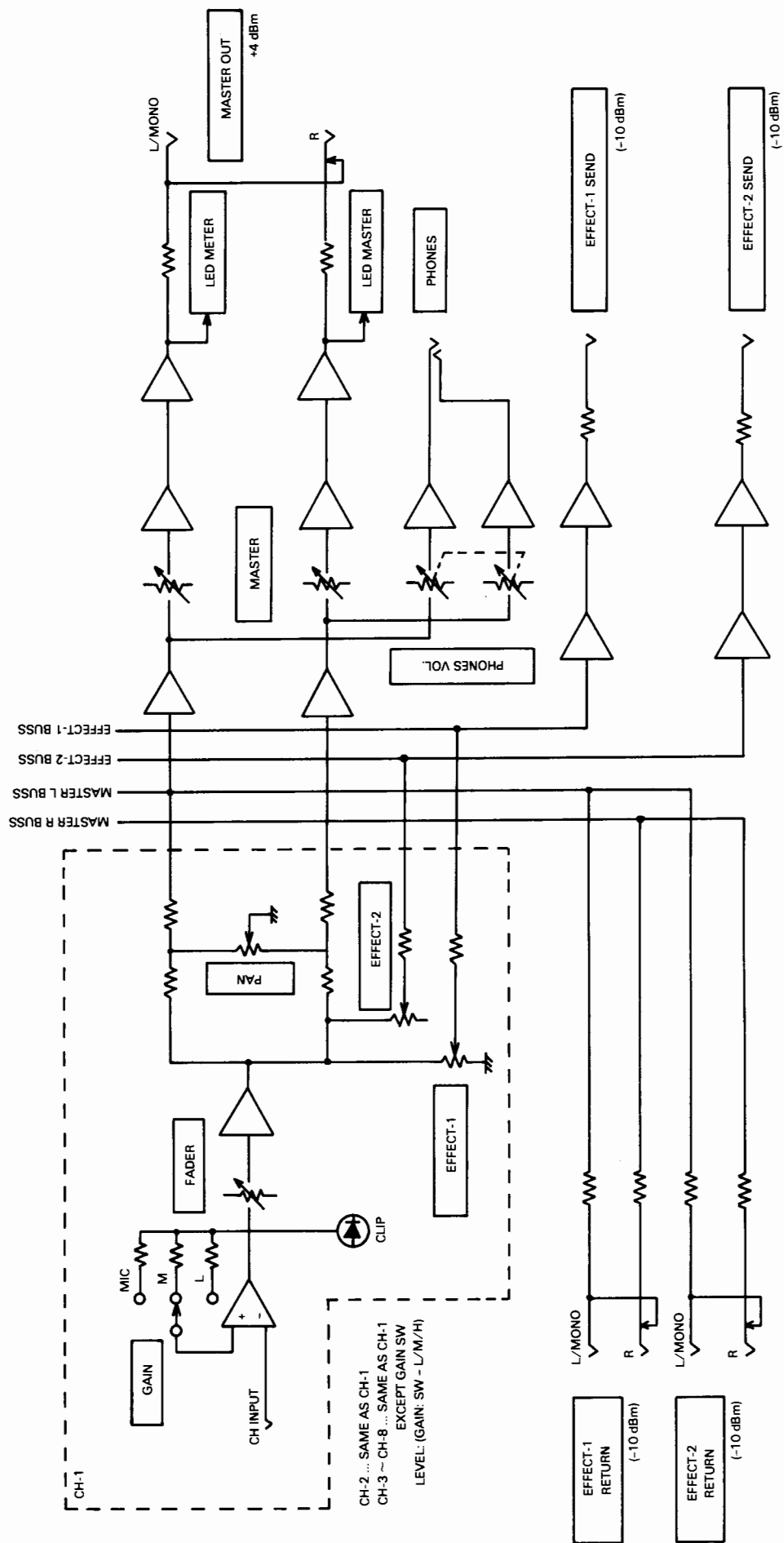
This is an output terminal for ⑦ EFFECT 2 VOLUME.

⑱ EFFECT 2 RETURN (R & L/MONO)

These PHONE jacks accept output from the effector's OUT jacks.

⑲ OUTPUT (R & L/MONO)

These terminals send the mixer output to a power amplifier or other equipment.



■ SPECIFICATIONS

		Input Sensitivity*1	Input Level Rating*2	Maximum Input Level	Input Impedance	Suitable Source Impedance
INPUT (PHONE)	L	-6dBm	0dBm	+19dBm	47KΩ	Less than 1KΩ
	M	-16dBm	-10dBm	+9dBm	47KΩ	Less than 1KΩ
	MIC (1, 2ch)	-51dBm	-45dBm	-26dBm	47KΩ	Less than 600Ω
	H (3 - 8ch)	-26dBm	-20dBm	-2dBm	47KΩ	Less than 1KΩ
EFFECT RETURN (PHONE)		-10dBm	-10dBm	19dBm	10KΩ	Less than 1KΩ

		Output Level Rating	Output Level (maximum)	Output Impedance	Suitable Load Impedance
MASTER OUT (PHONE)		+4dBm	+18dBm	1KΩ	More than 5KΩ
EFFECT SEND (PHONE)	1	-10dBm	+14dBm	1KΩ	More than 5KΩ
	2	-10dBm	+14dBm	1KΩ	More than 5KΩ
PHONES (STEREO PHONE)		—	160mW + 160mW	47Ω	More than 8Ω

Connectors	INPUT JACK (PHONE: 8 ... 8ch × 1)			
	OUTPUT JACK (PHONE: 2)			
	EFFECT1 (PHONE: SEND 1, RETURN 2)			
	EFFECT2 (PHONE: SEND 1, RETURN 2)			
	HEADPHONE JACK (STEREO): 1			
Controls	GAIN (L/M/MIC)	2	GAIN (L/M/H)	6
	CHANNEL FADER	8	PANPOT	8
	EFFECT1 VOLUME	8	EFFECT2 VOLUME	8
	MASTER FADER	2	HEADPHONE VOLUME	1
	POWER SWITCH	1		
Indicators	CLIP INDICATOR: 8, LEVEL INDICATOR: 2, POWER INDICATOR: 1			
Frequency Response	20Hz ~ 55kHz (within $_{-3}^{+0.5}$ dB/kHz) ... GAIN SW ... L, M, H		40Hz ~ 25kHz (within $_{-3}^{+0.5}$ dB/kHz) ... GAIN SW ... MIC	
Noise (IHF-A curve, input terminals short-circuited)	Equivalent Input Noise	1 & 2ch: -123dBm (GAIN SW ... MIC)		
	Residual Noise	Master Fader min.: Less than -100dBm		
		Master Fader max., All Ch. Fader min.: Less than -90dBm		
		Master Fader max., All Ch. Fader max., ALL GAIN SW M: Less than -82dBm		
	Master Fader max., 1ch Fader max., All other Ch. Fader min., All GAIN SW M: Less than -88dBm			
Total harmonic distortion	Less than 0.03% (+4dBm, 15 ~ 10KHz)			
Crosstalk	Between L & R on same channel: Less than 70dB (at 1kHz)			
Dimensions/Weight	89(H) × 482(W) × 236(D), 3.9 kg			
Power consumption	9W			

*1 ... Ch. Fader max., Master Fader max.

*2 ... Ch. Fader 8, Master Fader max.

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