

SERVICE MANUAL PMX-20Stereo Preamp Mixer

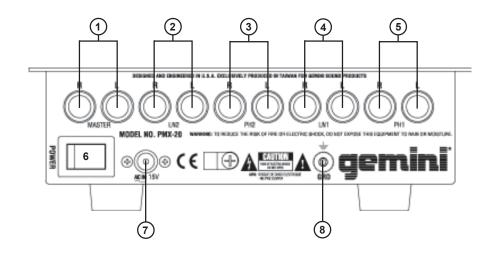


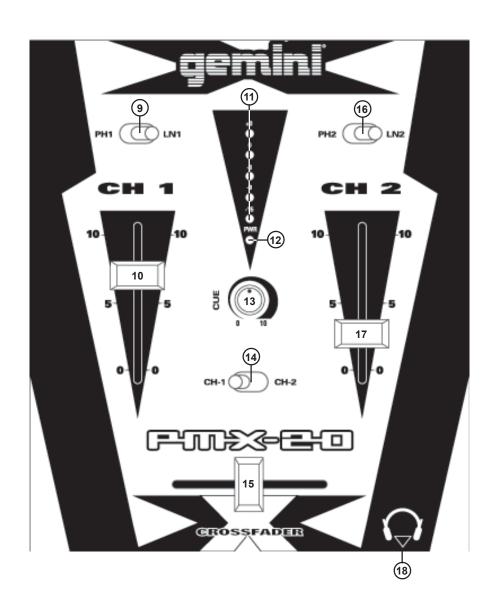
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Connections

- This unit comes supplied with a 15 volt AC adaptor. Plug the male pin of the adaptor into the rear panel POWER JACK (7). Then plug the adaptor into a proper power source.
- Make sure that the POWER (6) switch is in the off position. The POWER LED (12) will be off.
- To connect the mixer to your amplifier, use the OUTPUT AMP (1) jacks on the rear panel.
- 4. On the rear panel are 2 stereo PHONO (3, 5) inputs and 2 stereo LINE (2, 4) inputs. The PHONO (3, 5) inputs will accept turntable inputs only. A GROUND (8) screw for you to ground your turntables is located on the rear panel. The stereo LINE (2, 4) inputs will accept any line level input like a CD player or a cassette player.
- Headphones can be plugged into the front panel mounted HEADPHONE (18) jack.

Operation

- POWER ON: Once you have made all the equipment connections to your mixer, press the POWER (6) switch. The power will turn on and the POWER LED (12) will glow RED.
- CHANNEL 1: The CHANNEL LEVEL SLIDE (10) allows you to fully adjust the level of the selected source. The PHONO/LINE (9) switch allows you to select either Line 1 or Phono 1 to play through channel 1.
- CHANNEL 2: The CHANNEL LEVEL SLIDE (17) allows you to fully adjust the level of the selected source. The PHONO/LINE (16) switch allows you to select either Line 2 or Phono 2 to play through channel 2.
- CROSSFADER SECTION: The CROSSFADER (15) allows the mixing of one source into another. The left side of the CROSSFADER (15) is channel 1 and the right side is channel 2.
- 5. CUE SECTION: By connecting a set of headphones to the HEADPHONE (18) jack, you can monitor either channel 1 or channel 2. Select Channel 1 by moving the CUE SWITCH (14) to the left or Channel 2 by moving the CUE SWITCH (14) to the right. Use the CUE LEVEL (13) control to adjust the headphone volume without effecting the overall mix.
- 6. DISPLAY: The DISPLAY (11) indicates the MASTER (1) output.

Specifications

INPUTS:

IN 013.	
Phono	3mV 47Kohm
Line	150 mV 27Kohm
OUTPUTS:	
Amp	0 dB 1V 400ohm
M	ax10V Peak to Peak
GENERAL:	
Frequency Response	20Hz - 20KHz +/- 2dB
Distortion	0.02%
S/N Ratio	better than 80dB
Headphone Impedance	16ohm
Power Source	115V/15V AC 7.5W
	or 230V/15V AC 7.5W
Dimensions6.5"	x 7.5" x 2" (165 x 192 x 53 mm)
Weight	2 lbs (1 kg)

Parts Lists

Cabinet Parts and Packing

	- abilitet i arte arta i aciting	Part #
Item #	tem # Description	
1	PANEL CONTROL	002-202
2	COVER BOTTOM	032-012
3	KNOB SWING (LONG)	023-674
4	KNOB ROTARY (B)	003-110
5	KNOB INLAY (BLACK)	148-236
6	KNOB SLIDE (BIG)	002-704
7	HOLDER MIC	003-712
8	DUST PROOF CLOTH	159-215
9	VR DUST PROOF CLOTH	159-171
10	SWING DUST PROOF CLOTH	159-216
11	HOLDER LED 3fLED (17mm)	003-969
12	GND SCREW	146-710
13	PAD FOOT	049-205
14	SCREEN	046-026
15	SNAP RIVET	003-612
16	PAN-HEAD TAPPING SCREW/TWIN SCREW 2×6(B)	110-166
17	FAND-HEAD TAPPING SCREW 3×6(AB)	111-043A
18	BAND-HEAD TAPPING SCREW 3×6(AB)	111-046A
19	PAN-HEAD TAPPING SCREW/TWIN SCREW 3×8(AB)	110-172A
20	PAN-HEAD TAPPING SCREW/WASHER 3×10(B)	110-168

Printed Circuit Boards

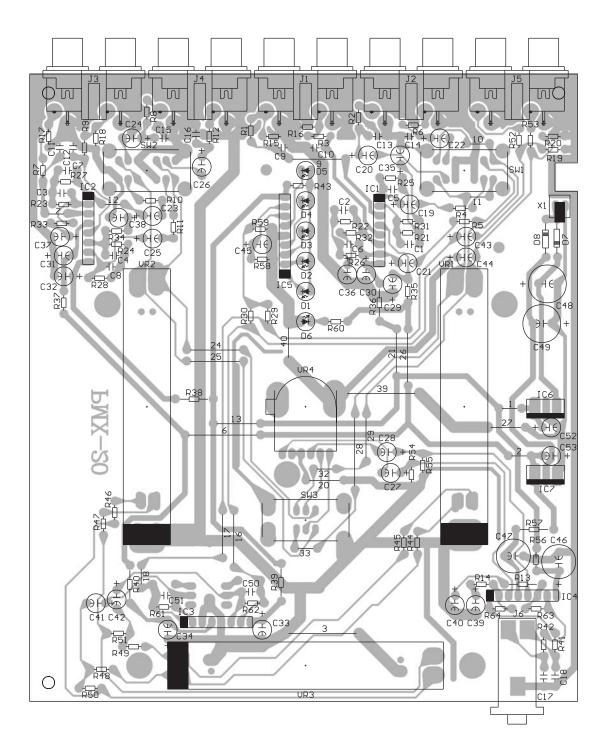
Item #	Description	Part #
1	PRINTED CIRCUIT BOARD PC-PMX-5	262-037

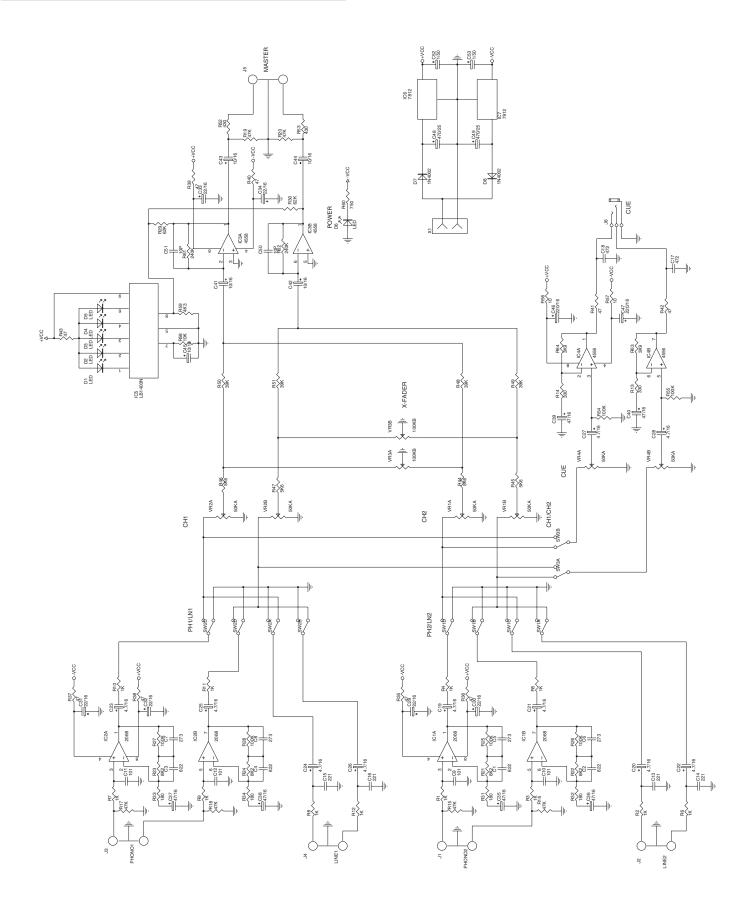
ICs

Item #	Designators	Description	Part #
1	IC5	INTEGRATED CIRCUIT LB1403N	074-022
2	IC1, IC2	INTEGRATED CIRCUIT NJM2068LD	074-145
3	IC3	INTEGRATED CIRCUIT NJM4558L	074-104
		(M5218AL,BA4558N)	
4	IC4	INTEGRATED CIRCUIT NJM4556L	074-113
5	IC7	INTEGRATED CIRCUIT NJM7912FA	074-114
6	IC6	INTEGRATED CIRCUIT NJM7812FA	074-107

ICs Electrical Parts

Item #Designators		Description	Part #
1	D7, D8	RECTIFIER DIODE 1N4002	079-027
		(1N4003,1N4004)	
2	D1-6	LIGHT EMITTING DIODE (RED) 3.15f	080-091
3	VR3	SLIDE VR 45mm L=20 FADER 100KB×2	072-081
4	VR1, VR2	SLIDE VR 45mm L=20 CH1/CH2 50KA×2	072-035
5	VR4	ROTARY VR 16f L=20 50KA×2	071-084







In the USA: If you experience problems with this unit, call 1-732-738-9003 for Gemini Customer Service.

Do not attempt to return this equipment to your dealer.

Parts of the design of this product may be protected by worldwide patents.

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It is recommended that all maintenance and service on this product is performed by Gemini Sound Products Corp. or its authorized agents.

Gemini Sound Products Corp. will not accept liability for loss or damage caused by maintenance or repair performed by unauthorized personnel.

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