



PROFESSIONAL MIXING CONTROLLER

PMC-07ProD

OWNER'S MANUAL

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CONGRATULATIONS!

- Thank you for purchasing the VESTAX PMC-07ProD. Please read this owner's manual carefully before you start to use in order to understand fully how it to operate your new mixer.

FEATURES

- The new Vestax Digital Fader System consists of coils and a permanent magnet. There is no contact between these parts. Therefore, neither the element or magnet gets degraded or damaged even after hard usage. Unlike an optical type fader, the digital fader system does not get effected even by liquid spills or dusts. Control of the fader curve by a complete digital signal system, enabling creation of sharp edges in the curve pattern.

FUNCTIONS

TOP PANEL

- Curve pattern switch (a) selects the crossfader curve pattern.
- Setting the C.F. FINE CONTROL to minimum, the crossfader curve is most sharp, moving the control clockwise, towards max, gradually reduces the sharpness of the curve (b).

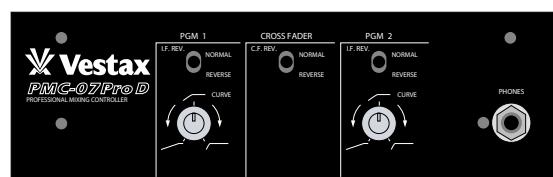
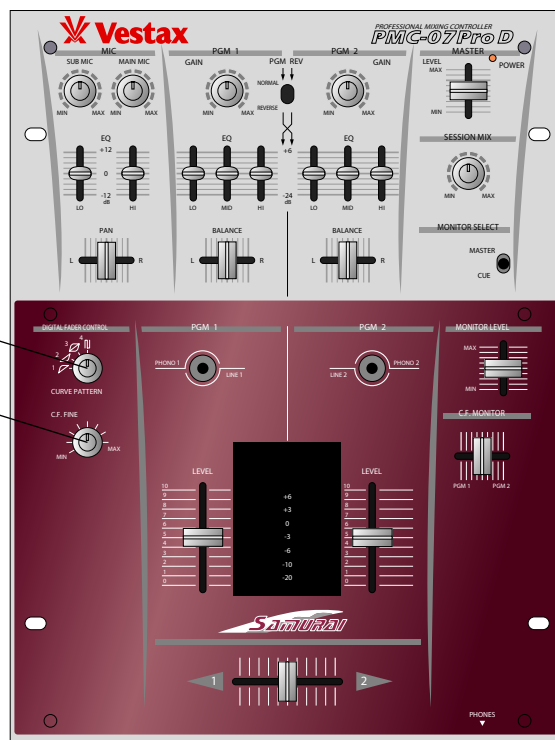
(a) CURVE PATTERN SWITCH

(b) C.F. FINE CONTROL

- The replacement crossfader unit for PMC-07ProD is "CF-X".
"CF-05PRO", "CF-PCV" cannot be substituted in this mixer.

FRONT PANEL

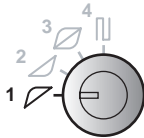
- INPUT FADER CURVE adjustments for PGM1 + PGM2.



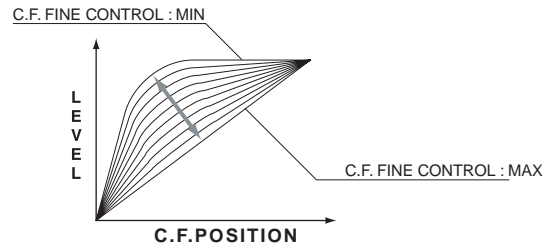
PRE-SET CURVE

Using curve pattern switch, select the crossfader curve pattern from SHAPE1-4, to set the cross-fader pattern.

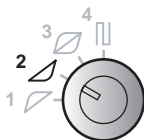
SHAPE 1:



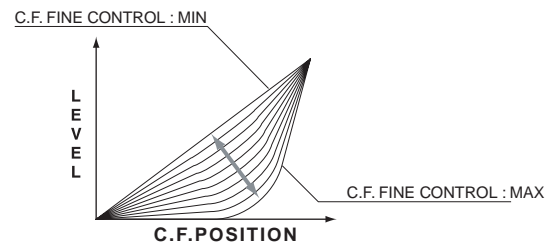
As this curve shape is very sharp, it is used for hard scratch play. Setting C.F. FINE CONTROL to minimum, the curve sharp is most sharp. As the switch moves closer to max, the curve sharpness reduces.



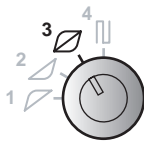
SHAPE 2:



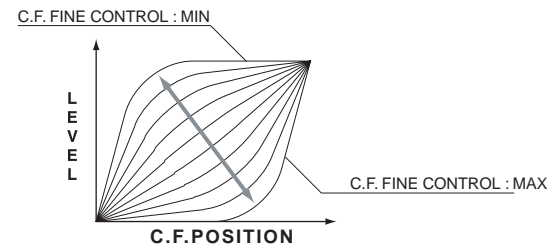
This curve shape is "A" type curve.



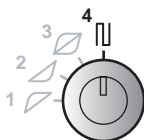
SHAPE 3:



In this position, switching C.F. FINE CONTROL from MIN to MAX, the crossfader curve shape changes from slow slope curve to sharp slope by 8 steps.



SHAPE 4:



This curve shape is rectangle wave type. Moving the crossfader from right to left or from left to right, it performs like a "transformer scratch". Switching C.F. FINE CONTROL, the 8 patterns crossfader curve shape can be selected. It enables selection of the 8 patterns of curve shape as fig 1- fig 8 below.



fig-1
C.F. FINE CONTROL : MIN



fig-2



fig-3



fig-4

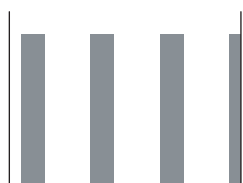


fig-5

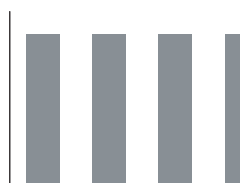


fig-6



fig-7

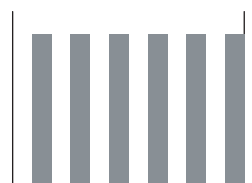


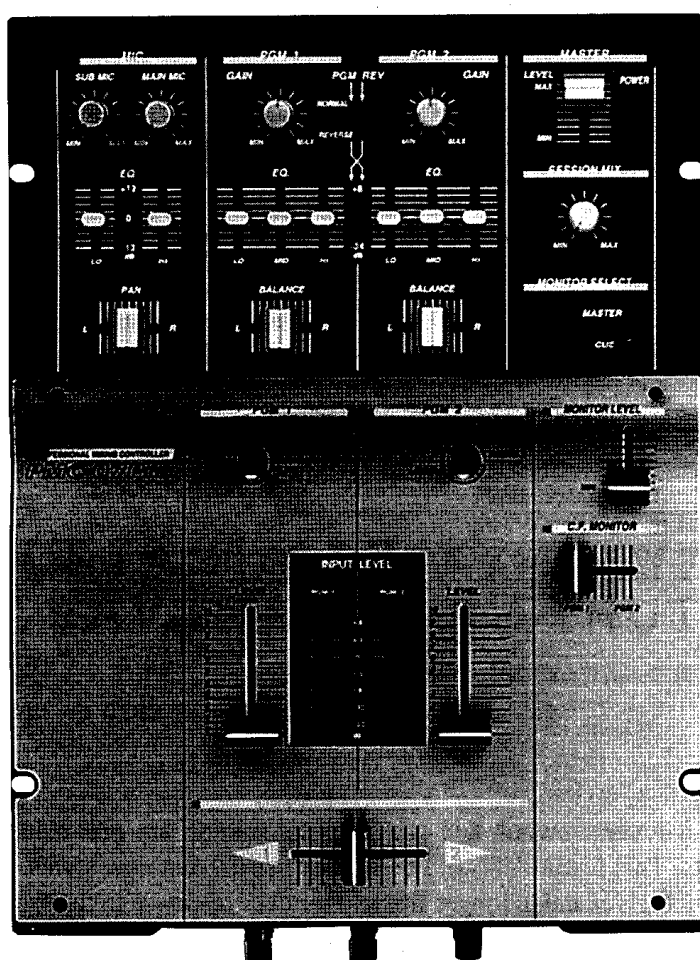
fig-8
C.F. FINE CONTROL : MAX



Professional Mixing Controller

PMC-07Pro

OWNER'S MANUAL



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CONGRATULATIONS!

Thank you for purchasing VESTAX PMC-07PRO, Professional Mixing Controller.

Please read this owners manual carefully before you start to use your mixer, so that you will fully understand all of the special features and enjoy the full use of the product.

IMPORTANT

To prevent electric shock, do not remove the cover. No user serviceable parts are inside. Please refer servicing to a VESTAX Authorized Service Center. Always disconnect all equipment from the main supply when disconnecting or reconnecting signal leads. The power cord should be connected last. Make sure that the power switch is off when connecting the power cord. Disconnect from AC supply when equipment is not used for extended amount of time.

PRECAUTIONS

* Humidity and dust

Avoid use where there is high humidity and dust which may cause damage to internal parts.

* Temperature

Avoid use in hot, (over 35°C) and cold, (below 5°C) locations. Keep the unit away from extreme direct heat such as direct sunlight, heating radiators, or closed vehicles.

* Keep away from liquids

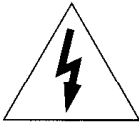
Do not stand cans containing liquids on or near the equipment. If liquid enters equipment, disconnect the power cord from the power outlet immediately.

WARRANTY

The warranty might vary from country to country. Each distributor has their own warranty system in accordance with the country or state regulations or laws. VESTAX observes the manufacturing country's regulations.

FEATURES

- The Vestax's invention, crossfader reverse switch and curve control knob are provided not only on the crossfader, but on also input faders. This feature allows DJs to play in different new styles. All of the faders are "photo coupler" controlled which gives much longer life and quicker response to the faders.
- The world's first program reverse switch reverses the whole program 1 and 2. This feature is provided for battle situation preventing connection change for any mixing styles.
- 3band EQ with +6 to -24dB range is provided on each program. This powerful EQ enables DJs to create not only equalization but also band elimination.
- Master / Cue select switch is provided on monitor section. This switch enables selection of the monitor source from cue signal and master output signal.
- Session input is provided for chain connection when DJs perform in group session.
- 1/4" phone jack (TRS balanced) is equipped on master output. The connection is more durable and accurate.

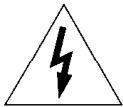


CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



**CAUTION : 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 appliance.

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION : TO PREVENT ELECTRIC SHOCK, MATCH BLADE OF PLUG TO WIDE SLOT, FULLY INSERT

ATTENTION : POUR EVITER LES CHOCES ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU' AU FOND

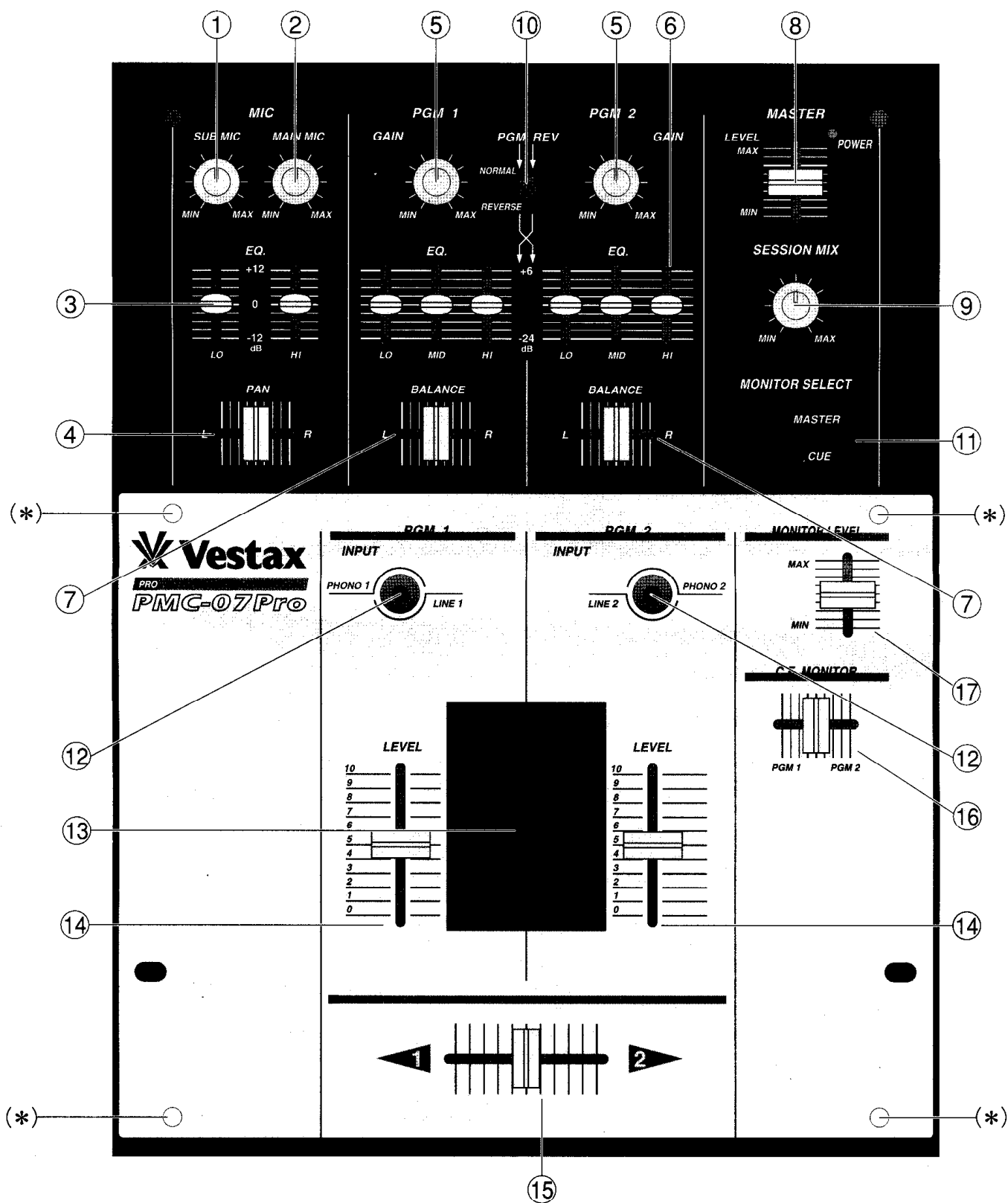
IMPORTANT SAFETY INSTRUCTIONS SAVE THESE INSTRUCTIONS

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 should be used only with a cart or stand that is recommended by the manufacturer.
4. 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 should consult an audiologist.
5. The product should be located or position does not interfere with its proper ventilation.
6. The product should be located away from heat sources such as radiators, heat registers, or other products that produce heat.
7. The product should be connected to a power supply only of the type described in operating instructions or as marked on the product.
8. The power - supply cord of the product should be unplugged from the outlet when left unused for a long period of time.
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;
 - 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 use - maintenance instructions. All other servicing should be referred to qualified service personnel.

FRONT SECTION

TOP PANEL

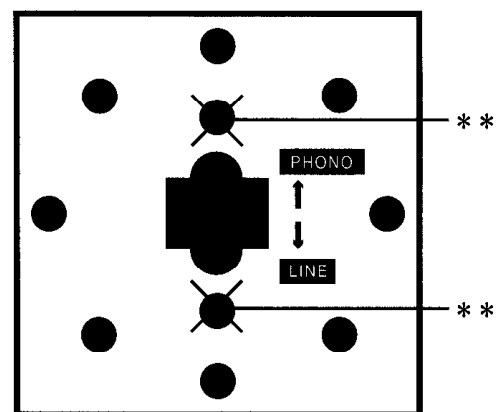


FRONT SECTION

- 1, SUB MIC LEVEL
Adjusts the input level from SUB MIC JACK. (32)
- 2, MAIN MIC LEVEL
Adjusts the input level from MAIN MIC JACK. (31)
- 3, MIC EQUALIZER
Adjusts the HI and LO frequencies for both of MAIN and SUB MIC.
- 4, MIC PAN VOLUME
Moving this knob to the right causes the mic signal to be sent to right channel, moving to the left causes the mic signal to be sent to left channel.
- 5, GAIN VOLUME
Adjusts the input level of each channel. Set INPUT FADER (14) to 7-8 position, this volume should be adjusted so that INPUT LEVEL METER (13) shows about 0dB.
- 6, PROGRAM EQUALIZER
Adjusts the HI and MID, LO frequencies for each PROGRAM channel.
- 7, BALANCE CONTROL
Adjusts the stereo balance for each PGM channel. This volume can also be used for adjusting the unbalanced stereo image caused by strong Anti-Skating setting.
- 8, MASTER FADER
Adjusts the signal level outputs from MASTER OUT JACK. (25,26)
- 9, SESSION IN VOLUME
Adjusts the signal level from SESSION IN JACK (27)
- 10, PROGRAM REVERSE SWITCH
When this switch is turned on, the signals connected PGM1 and PGM2 will be reversed.
- 11, MONITOR SELECT SWITCH
The switch selects the way of monitoring from followings.
 - CUE.....It allows you to hear input signal of PGM1, PGM2 selected by CF MONITOR (16).
 - MASTER.....It allows you to hear the signal of MASTER OUT. (25,26)
- 12, INPUT SELECT SWITCH
This switch is used to select the input (LINE or PHONO) to be sent to each PGM channel. It can also be used for TRANSFORMER SCRATCH. Its operational direction is selectable from vertical to horizontal.

<HOW TO CHANGE DIRECTION>

- Remove each fader knobs and 4 screws (*) which fix the top panel.
 - Remove the top panel.
 - Remove the screws on switch panel (**) and change the direction. Then re-fix it with the screws.
 - Place the top panel and fix it with 4 screws. Then re-place the fader knob.
- 13, INPUT LEVEL METER
The LED level meters indicates the signal level of each PGM channel.
 - 14, INPUT FADER
This fader is used to adjust input level of each PGM channel. This is a detachable fader for ease of replacement. Replace with IF-07PRO when it is worn out. Please see CROSSFADER section for how to replace it.



< CAUTION >

The CF-05 PRO is used for cross fader with the PMC-07PRO.

15, CROSS FADER

This fader mixes the signals of PGM1 and PGM2. When the crossfader is set in the center position, both PGM1 and PGM2 can be heard. This is a detachable fader for ease of replacement. Please replace with CF-05PRO when it is worn out.

<HOW TO REPLACE CROSSFADER>

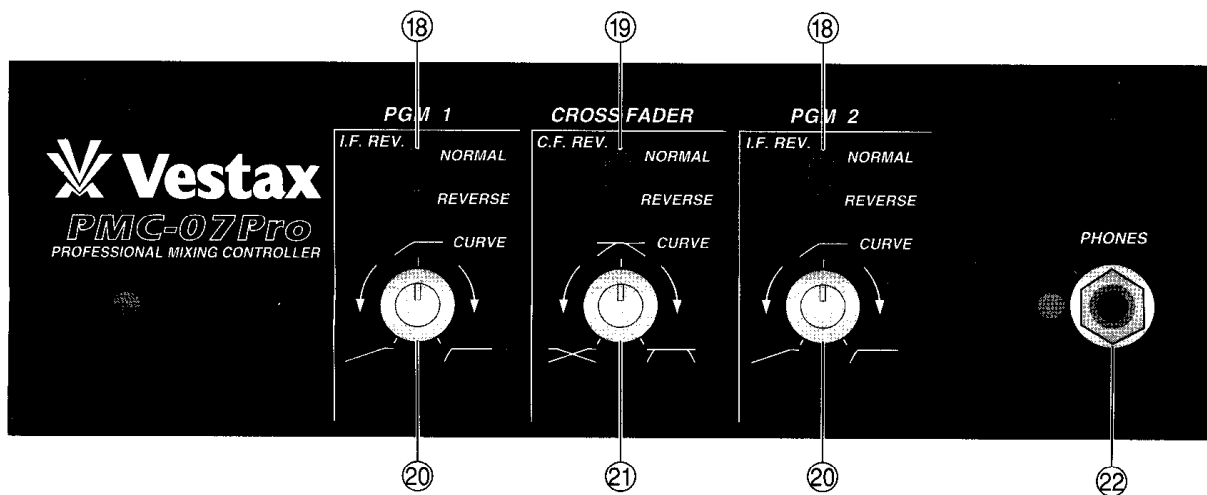
- Remove each fader knobs and 4 screws (*) which fix the top panel.
- Remove the top panel.
- Carefully remove the multicable connector from fader unit.
- Insert the connector into the new fader unit.
- Re-place the fader unit and fix it with screws.
- Re-place the top panel and fix it with 4 screws. Then re-place each fader knobs.

16, CROSS FADER MONITOR

This fader selects PGM for monitoring in the same way as the crossfader. This signal for monitoring comes from pre-fader.

17, MONITOR LEVEL

Adjust the headphone monitor output level.



FADER SETTING SECTION

18, INPUT FADER REVERSE SWITCH

Usually, as input fader is moved up, the volume increases. When this switch is turned on, the fader action is reversed and the volume decreases as the fader moved up.

19, CROSS FADER REVERSE SWITCH

Usually, as crossfader is moved the left, PGM 1 sounds are output. When this switch is turned on the output signal are switched from PGM 2 and PGM 1 instantly. Therefore as a crossfader is moved to the left, PGM 2 sounds is output.

20, IF CURVE SELECT VOLUME

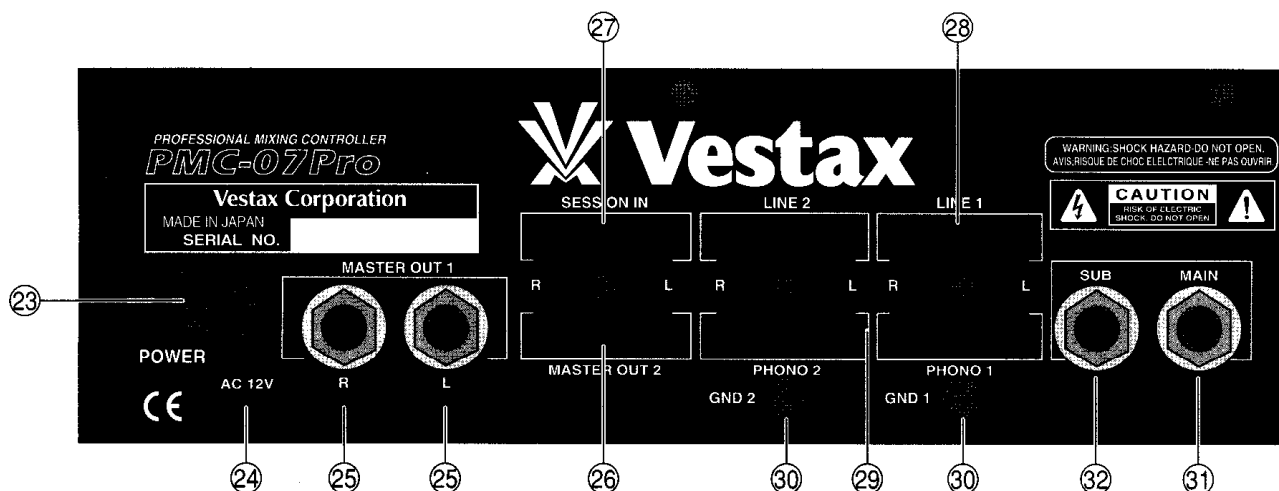
Adjusts the input fader curve. Clockwise rotation gives a steep change of volume. Counterclockwise rotation gives a gentle change. (Refer to fig.2 INPUT FADER CURVE)

21, CF CURVE SELECT VOLUME

Adjusts the crossfader curve. Clockwise rotation gives a steep crossfade. Counterclockwise rotation gives a gentle crossfade. (Refer to fig.3 CROSS FADER CURVE)

22, HEADPHONE JACK

When listening with stereo headphones, connect them to this jack.



INPUT / OUTPUT SECTION

23, POWER SWITCH

LED located on front panel is lit when the power is on.

24, AC POWER JACK

25, MASTER OUT JACK (1/4 inch TRS balanced)

Tip..... HOT

Ring..... COLD

Sleeve..... GROUND (Refer to fig.1)

26, MASTER OUT JACK (RCA PIN JACK)

This jack is -4dBm unbalanced out.

27, SESSION IN JACK

"Session in jack" for chain connect of another PMC-07PRO. Please connect to master out jack (RCA) of another 07pro or equivalent mixer. (Refer to fig.4)

28, LINE INPUT JACK

Input connectors for line level equipment such as CD players, tape decks, DAT, MD etc.

29, PHONO INPUT JACK

Input jack for turntables. Connect turntables equipped with the MM cartridges only.

30, GROUND TERMINAL

Connect ground lead of the turntable. This helps to reduce noise and hum.

31, MAIN MIC INPUT JACK

Input jack for a main microphone.

32, SUB MIC INPUT JACK

Input jack for a sub microphone.

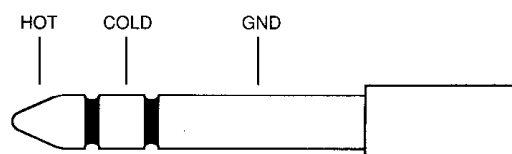


fig.1 T.R.S. JACK

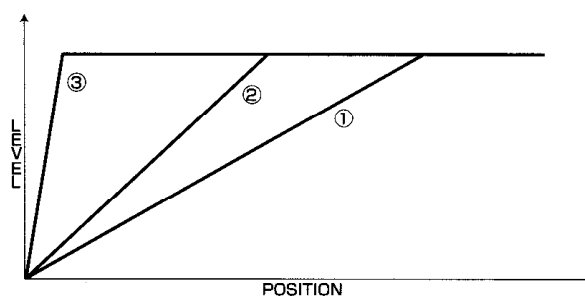


fig.2 INPUT FADER CURVE

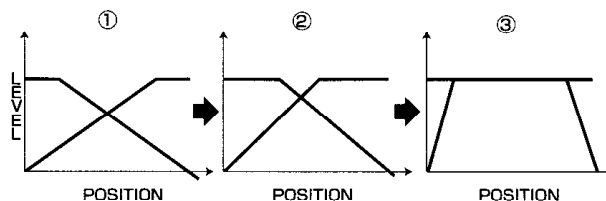
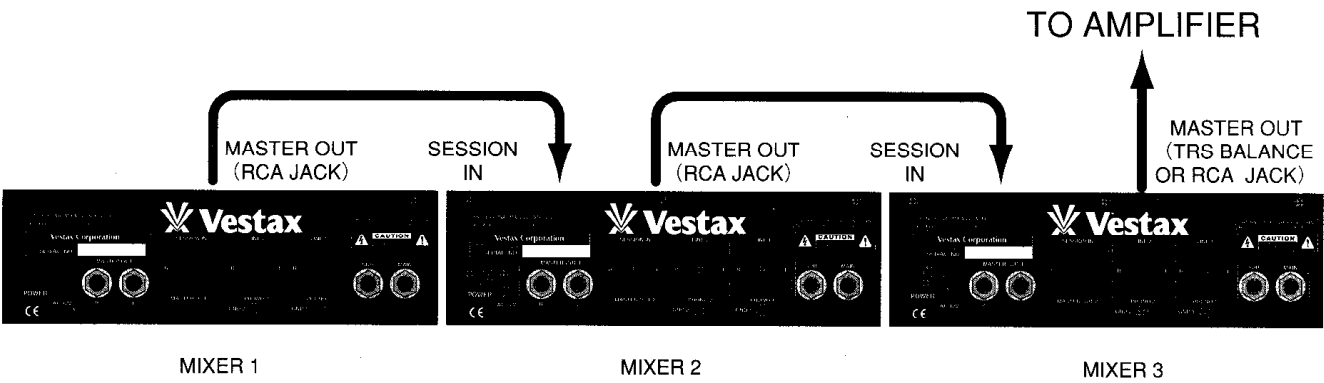


fig.3 CROSS FADER CURVE

fig.4
CHAIN CONNECTION < EXAMPLE >



SPECIFICATION

			NOMINAL INPUT LEVEL	MAXMUM INPUT LEVEL	INPEDANCE
INPUT SECTION	MAIN/SUB MIC (1/4 'PHONEJACK)		-50dBv	-20dBv	3.3kΩ
	PHONO	1~2L/R (RCA PIN JACK)	-42dBv	-22Dbv	56kΩ
	LINE	1~2L/R (RCA PIN JACK)	-10dBv	14dBv	20kΩ
	SESSION IN (RCA PIN JACK)		-10dBv	8dBv	10kΩ
			RATED INPUT	MAXMUM INPUT	LOAD INPEDANCE
OUTPUT SECTION	MASTER OUT L/R (TRS BALANCE)		-60dBv	16dBv	2kΩ or more
	MASTER OUT L/R (RCA PIN JACK)		-53dBv	9dBv	2kΩ or more
	HEAD PHONE (1/4'PHONE JACK)		————	130mw	4Ω
FREQUENCY RESPONSE	MIC	30Hz ~ 20kHz (±0.5dB)	CROSSFADER CROSSTALK		< -100dB
	LINE	20Hz ~ 20kHz (±0.5dB)	CHANNEL CROSSTALK		< -65dB
S/N RATIO	MIC	80dB or more	POWER SUPPLY		AC12V 1000mA
	LINE	90dB or more	DIMENSION (W×H×D)		360×262×105
FADER ATTENUATION	70dB or more		WEIGHT		4kg