



Professional Mixing Controller

# ***PMC-08Pro***

## **OWNER'S MANUAL**

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# CONGRATULATIONS !

Thank you for purchasing the Vestax PMC-08pro Creative Musical Interface. We suggest that you read through this owner's manual thoroughly so that you may enjoy the full use of this product safely and in the knowledge of all its special features and suitable applications.

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## 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.

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

# IMPORTANT SAFEGUARDS

## READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards. There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read instructions-All the safety and operating instructions should be read before the appliance is operated.
2. Retain instructions-The safety and operating instructions should be retained for future reference.
3. Heed Warnings-All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions-All operating and use instructions should be followed.
5. Cleaning-Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
6. Attachments-Do not use attachments not recommended by the product manufacturer as they may cause hazards.
7. Water and Moisture-Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool, and the like.
8. Accessories-Do not place this product on an unstable cart, stand, tripod, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the appliance. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with product. Any mounting of the appliance should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
9. This product should never be placed near or over a radiator or heat register. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
10. Power sources-This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company.
11. Lightning-For added protection of this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet. This will prevent damage to the product due to lightning and power-line surges.
12. Overloading-Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.
13. Object and Liquid Entry-Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
14. Servicing-Do not attempt to service product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified personnel.

15. Damage Requiring Service- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If liquid has been spilled or objects have fallen into the product.
- c. If the product has been exposed to rain or water.
- d. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
- e. If the product has been dropped or cabinet has been damaged.
- f. When the product exhibits a distinct change in performance this indicates need for service.

16. Replacement Parts- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original parts. Unauthorized substitutions may result in fire, electric shock or other hazards.

17. Safety Check- Upon completion of any service or repairs to product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

18. Carts and Stands- The appliance should be used only with a cart stand that is recommended by manufacturer.

19. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.



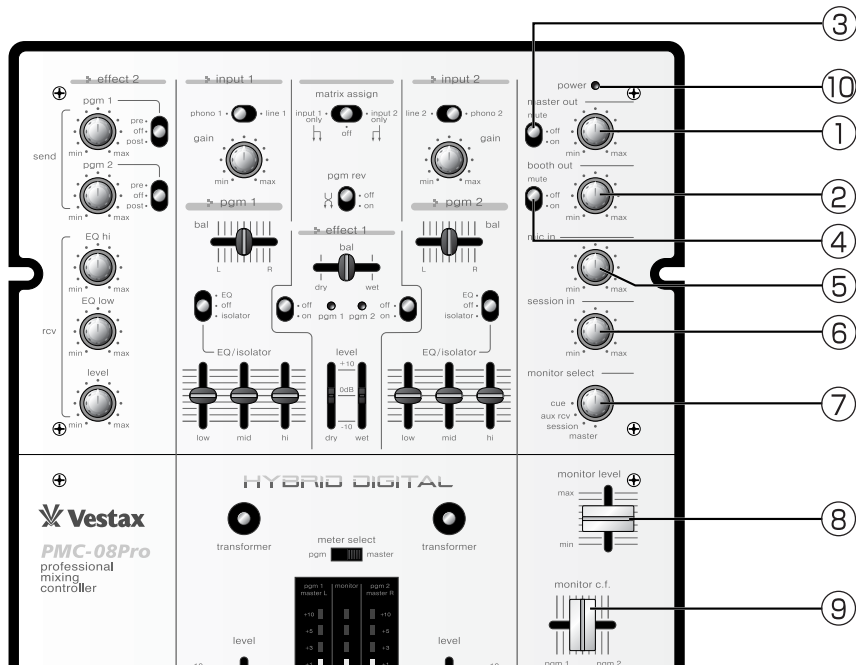
## FEATURES

- The PMC-08 is a hybrid digital mixer with APOGEE's 24bit96K DSP(Digital Signal Processor) loaded to ensure top quality performance for professionals. The industries most powerful AC-20 has been applied as the power supply for the highest power levels for a digital 2 channel mixer in order to stabilize and enhance sound quality.
- Worlds first cut lag adjustable cross fader. As like no other crossfader it can adjust the cut in time digitally to your preference whether it be a millimeter to a nanometer.
- An incredible dual sound system, a feature never seen before that allows you to switch the EQ to an isolator with a flick of a switch.
- 2 effect SEND/RCV stereo connections for DJs who want to expand their skills and styles with effects. A DRY/WET sound adjust fader has been applied to EFFECT1 and PGM SEND volume and RCV volume for EFFECT2 to make delicate adjustments.
- The unique matrix assign system selects the sound source from INPUT1 and INPUT2 and assigns it to both PGM channels.
- Compact guitar effectors can be connected to make your style even more creative and for perfection, as a selector to allow the DJ to match the levels of impedance for those using raw effects(effects, guitar effects) especially for the many performance DJs.
- Longer LED bars have been applied for accurate level readings. The LED can be switched to indicate each PGM level and L/R of the monitor level.

# FUNCTIONS

## TOP PANEL SECTION

## MASTER SECTION



### ① MASTER LEVEL VOLUME

This volume adjusts the level of the sound signal outputted from the MASTER OUTPUT ④① and SUB MASTER OUTPUT ④② located on the rear panel.

### ② BOOTH LEVEL VOLUME

This volume adjusts the level of the sound signal outputted from BOOTH OUT ④② located on the rear panel.

### ③ MASTER MUTE SWITCH

This switch mutes the sound outputted from MASTER OUTPUT ④① and SUB MASTER OUTPUT ④②.

### ④ BOOTH MUTE SWITCH

This switch mutes the sound outputted from BOOTH OUTPUT ④②.

### ⑤ MIC LEVEL VOLUME

This volume adjusts the MIC level of MIC INPUT located on the rear panel.

### ⑥ SESSION LEVEL VOLUME

This volume adjusts the level of the sound signal from devices inputted via SESSION INPUT ④⑧ located on the rear panel.

### ⑦ MONITOR SELECT SWITCH

This switch selects the monitor sound from CUE, AUX RCV, SESSION and MASTER.

### ⑧ MONITOR LEVEL VOLUME

This volume adjusts the headphone level connected via the HEADPHONE terminal located on the front panel.

### ⑨ C.F. MONITOR VOLUME

This volume adjusts and selects the sound signals from PGM1 and PGM2 when the MONITOR SELECT switch has selected CUE.

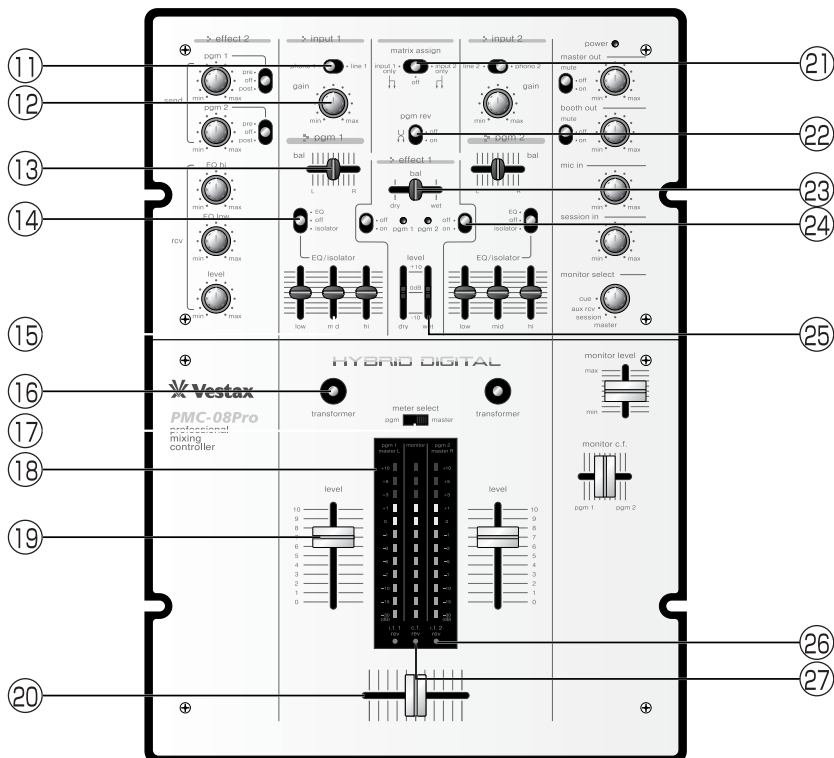
#### NOTE

The C.F. MONITOR does not reverse when the C.F. REVERSE switch is set to REVERSE.

### ⑩ POWER INDICATOR

This indicator lights up when the POWER switch located on the rear panel is turned ON.

## PGM SECTION



### 11 INPUT SELECT SWITCH

This switch selects each PGM channels input sound. The input signal can be selected from devices connected to LINE INPUT<sup>43</sup> and PHONO INPUT<sup>44</sup>.

### 12 GAIN VOLUME

This volume adjusts each PGM channels input level, and is used to set the signal level sent to the INPUT FADER<sup>49</sup> at the same level.

### 13 PGM BALANCE VOLUME

This volume adjusts the L/R balance of each PGM channel.

### 14 PGM EQ/ISOLATOR SELECT SWITCH

This switch selects each PGM channels sound adjustment from EQ, OFF and ISOLATOR.

### 15 PGM EQ/ISOLATOR VOLUME

The 3 faders adjusts each PGM channels HI, MID and LOW sound frequency.

### 16 TRANSFORMER SWITCH

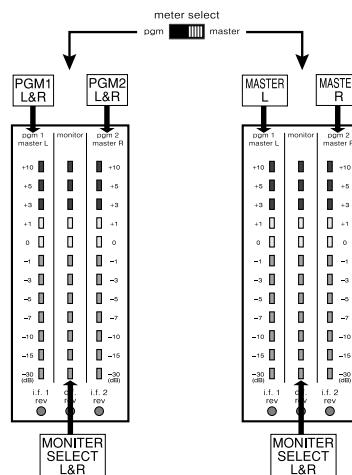
This switch mutes the sound signal inputted to the INPUT FADER on each PGM channel. ※ The angle of the switch can be changed.

#### NOTE

Please read <FADER and SWITCH Replacements> to change the angle of the switch.

### 17 LEVEL INDICATOR SWITCH

This switch selects the LEVEL INDICATOR<sup>18</sup> to indicate either the PGM level or MASTER level.



### 18 LEVEL INDICATOR

This indicator indicates the MONITOR level in the center bar and PGM levels or MASTER level on the left and right bars.

### 19 INPUT FADER VOLUME

This fader adjusts each PGM channels input level.

#### NOTE

If the fader begins to cause noises when it is slides, please replace it with a different input fader unit. Please read <Fader Replacements> for replacement instructions.

## 20 CROSS FADER

This fader adjusts the mix level of PGM1 and PGM2. If the C.F. REVERSE switch is set to NORMAL, the sound of PGM1 is outputted when the crossfader is set to the left, and the sound of PGM2 is outputted when it is set to the right.

### NOTE

If the fader begins to cause noises when it is slides, please replace it with a different cross fader unit. Please read <Fader Replacements> for replacement instructions.

## 21 MATRIX ASSIGN SWITCH

This switch assigns the 2 inputs of this mixer to each PGM channel.

NORMAL---INPUT 1 to PGM1, INPUT2 to PGM2  
INPUT1 ONLY---INPUT1 is assigned to both PGM channels.

INPUT2 ONLY---INPUT2 is assigned to both PGM channels.

## 22 PGM REVERSE SWITCH

This switch exchanges the sound signal inputted to each PGM channel. PGM1's input signal is sent to PGM2 and PGM2's input signal is sent to PGM1. The settings for PGM BALANCE VOLUME<sup>13</sup>, PGM EQ/ISOLATOR SELECT SWITCH<sup>14</sup>, PGM EQ/ISOLATOR VOLUME<sup>15</sup>, EFFECT ON/OFF SWITCH<sup>24</sup>, TRANSFORMER SWITCH<sup>16</sup> and INPUT FADER VOLUME<sup>19</sup> will also be exchanged with the input signal.

## 23 EFFECT VOLUME

This volume adjusts the balance of output level to an external effector and the input level from an external effector via the EFFECT SEND/RCV connection located on the rear panel.

DRY---The original sound sent from the EFFECT SEND terminal to an external effector.

WET---The effect sound sent back from an external effector via the EFFECT RCV terminal. The output from EFFECT SEND will be POST CF (after the crossfader), and the input from EFFECT RCV will be PRE MASTER (before master volume).

## 24 PGM EFFECT ON/OFF SWITCH

This switch selects each PGM channels sound signal output to an external effector ON and OFF.

## 25 EFFECT ADJUST VOLUME

This volume adjusts the each DRY and WET level of the effectors connected to the 2 EFFECT SEND/RCV connections<sup>53,55</sup>.

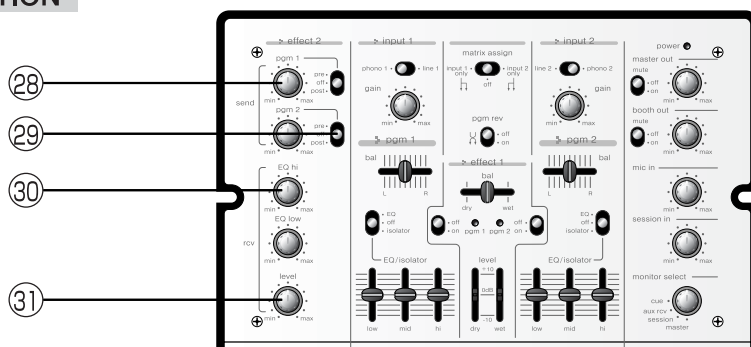
## 26 C.F. REVERSE INDICATOR

This LED lights up when the C.F. REVERSE switch<sup>33</sup> is set to REVERSE.

## 27 I.F. REVERSE INDICATOR

This LED lights up when the I.F. REVERSE switch<sup>32</sup> is set to REVERSE.

## AUX SECTION



## 28 PGM AUX SEND VOLUME

This volume adjusts the level of the sound signal sent to an external effector connected to AUX SEND located on the rear panel.

## 29 PGM AUX SEND SELECT SWITCH

This switch switches the position of the sound signal being sent to an external effector connected to AUX SEND.

PRE---Sets the position to PRE I.F. (Before the input fader)

OFF---Doesn't send the signal

POST---Sets the position to POST C.F. (After the crossfader)

## 30 AUX RCV EQ VOLUME T

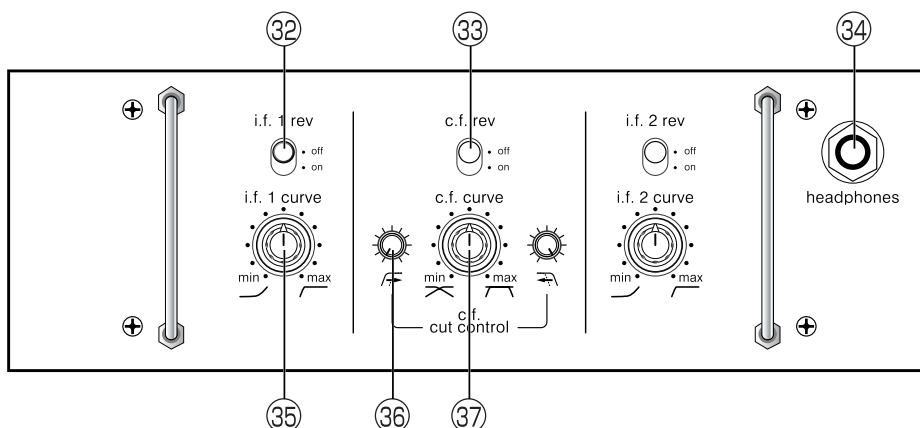
This volume adjusts the sound quality of the input sound from the external effector connected to AUX RCV. The sound quality is adjustable in HI and LOW frequencies.

## 31 AUX RCV LEVEL VOLUME

This volume adjusts the input level of the sound signal from an external effector connected to AUX RCV.



## FRONT PANEL



### 32 I.F. REVERSE SWITCH

This switch reverses the input fader function. The sound level will be minimum when the fader is set to the top and maximum when set to the bottom.

### 33 C.F. REVERSE SWITCH

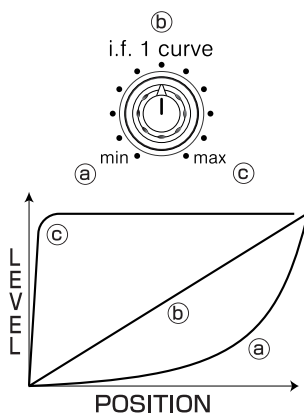
This switch reverses the input fader function. The left side of the cross fader will output PGM2 and the right side will output PGM1.

### 34 HEADPHONE JACK

The sound signal adjusted with the MONITOR LEVEL volume will be outputted from this terminal. 1/4inch stereo plugs can be plugged.

### 35 I.F. CURVE VOLUME

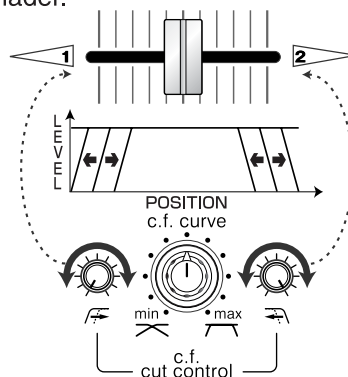
This volume adjusts the curve of the INPUT FADER. The curve is sharper when turned to the right and smoother when turned to the left.



The curve characteristic changes from (a) → (b) → (c) when the volume knob is turned clockwise.

### 36 C.F. Cut lag adjust VOLUME

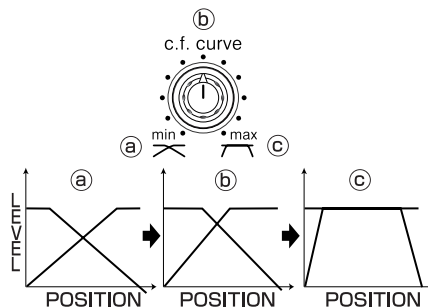
This volume adjusts the cut lag width of the cross fader.



- The left volume knob adjusts the cut lag width on the left side of the crossfader.
- The Right volume knob adjusts the cut lag width on the right side of the crossfader.

### 37 C.F. CURVE VOLUME

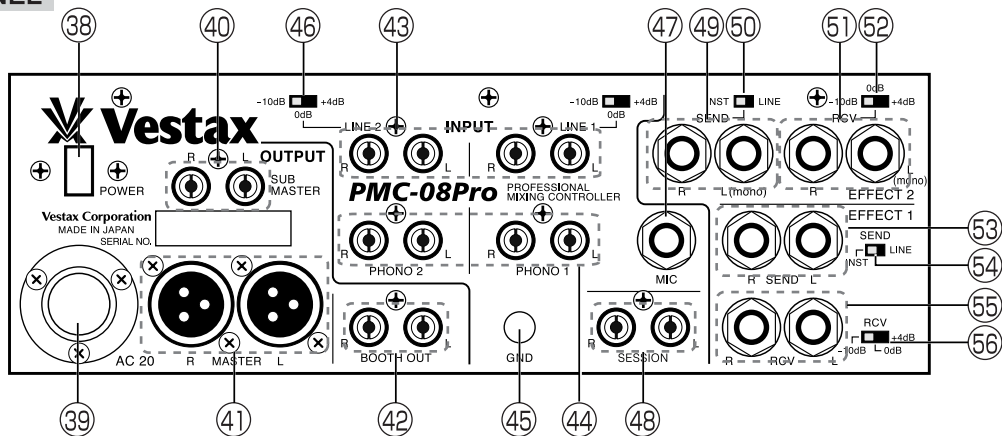
This volume adjusts the curve of the cross fader. The curve is sharper when turned to the right and smoother when turned to the left.



- a...Suitable for long mixes. The volume of the sound signal changes gently while PGM1 is exchanged to PGM2.
- b...The middle of a and b.
- c...suitable for scratches. This is the most sharpest curve for the crossfader.



## REAR PANEL



### 38 POWER SWITCH

This switch turns the Power ON/OFF. The POWER indicator lights up when the power is ON.

#### NOTE

Please make sure that the volume of the power amps are lowered or power is turned off when turning the mixer's power ON. It may cause noises and damage to the power amp and speakers.

### 39 POWER JACK

Please connect Vestax's AC-20.

#### NOTE

DO NOT USE other power adaptors than Vestax's AC-20. It may cause damage to the mixer and cannot be repaired on the warranty.

### 40 SUB MASTER OUTPUT

The final mix signal is outputted from this terminal. Connect it to an amplifier. (RCA Unbalanced output)

### 41 MASTER OUTPUT

The final mix signal is outputted from this terminal. Connect it to an amplifier. (XLR Balanced output)

### 42 BOOTH OUTPUT

The DJ booth's monitor sound is outputted from this terminal. The output signal is the same as MASTER OUTPUT and SUB MASTER OUTPUT, allowing a use as a third output. (RCA Unbalance output)

### 43 LINE INPUT

This is the Input terminal for each LINE device. CD players, MD players, TAPE players, DAT and VTR outputs are connectable. (RCA Unbalanced input)

### 44 PHONO INPUT

This is the Input terminal for turntables. Please connect turntables with MM cartridges. (RCA Unbalanced input).

#### NOTE

An additional head amp will be required when using a MC cartridge.

### 45 GND TERMINAL

Connect each turntables ground cable.

### 46 INPUT LEVEL SELECT SWITCH

This switch selects the mixers input level. The input level can be selected from -10dB, 0dB, and 4dB.

#### NOTE

Please check the input and output level of the devices you are going to connect before selecting the input level.

-10dB devices: MP3 Players, MD Players, Portable CD Players, PC Output, Keyboards  
0dB devices: CD Players, Institutional MD Players  
+4dB devices: Institutional Devices

### 47 MIC INPUT

Connection for microphones. 1/4inch plugs connectable. (RCA Unbalanced input)

### 48 SESSION INPUT

The master output of other mixers can be matched to the same level when each mixer is inputted to SESSION INPUT. (RCA Unbalanced input)

### 49 AUX SEND OUTPUT

Connect it to the input of external effectors. This terminal sends out the selected sound signal from PGM AUX SEND and PGM AUX SEND SELECT. Please connect it to external effectors or samplers. The RL sound signals will be outputted from the left jack when it is connected only to the left channel.

### 50 AUX(effect 2) OUTPUT LEVEL SELECT SWITCH

This switch adjusts the output level of AUX SEND. Line level(0dB) for LINE and instrument level(-15dB) for INST.

### 51 AUX (effect 2) RCV INPUT

Connect the output of an external effector to this terminal. The PMC-08 will output both LR channels even when the effector is only connected to the L channel.

- ⑤② **AUX (effect 2) INPUT LEVEL SELECT SWITCH**  
This switch selects the AUX RCV (⑤①) input level. The input level can be selected from -0dB, 0dB, and 4dB.

**NOTE**

Please check the input and output level of the devices you are going to connect before selecting the input level.

-10dB devices: MP3 Players, MD Players,  
Portable CD Players, PC Output, Keyboards  
0dB devices: CD Players, Institutional MD Players  
+4dB devices: Institutional Devices

- ⑤③ **EFFECT SEND OUTPUT**  
Connect it to the input of external effectors. The RL sound signals will be outputted from the left jack when it is connected only to the left channel.

- ⑤④ **EFFECT (effect1) OUTPUT LEVEL SELECT SWITCH**

This switch adjusts the output level of EFFECT SEND(53). Line level(0dB) for LINE and instrument level(-15dB) for INST.

- ⑤⑤ **EFFECT RCV INPUT**

Connect the output of an external effector to this terminal. The PMC-08 will output both LR channels even when the effector is only connected to the L channel.

- ⑤⑥ **EFFECT(effect 1) INPUT LEVEL SELECT SWITCH**  
This switch selects the EFFECT RCV (⑤⑤) input level. The input level can be selected from -0dB, 0dB, and 4dB.

**NOTE**

Please check the input and output level of the devices you are going to connect before selecting the input level.

-10dB devices: MP3 Players, MD Players,  
Portable CD Players, PC Output, Keyboards  
0dB devices: CD Players, Institutional MD Players  
+4dB devices: Institutional Devices

## HOW TO CHANGE THE FADER UNIT

### How to remove the top panel

- ① Remove the knobs on the INPUT FADER, CROSS FADER, MONITOR LEVEL, and MONITOR CROSSFADER, as shown in fig-a. (Total 5 knobs)
- ② Unscrew the 4 screws on the top panel with a plus screw driver as shown in fig-a.

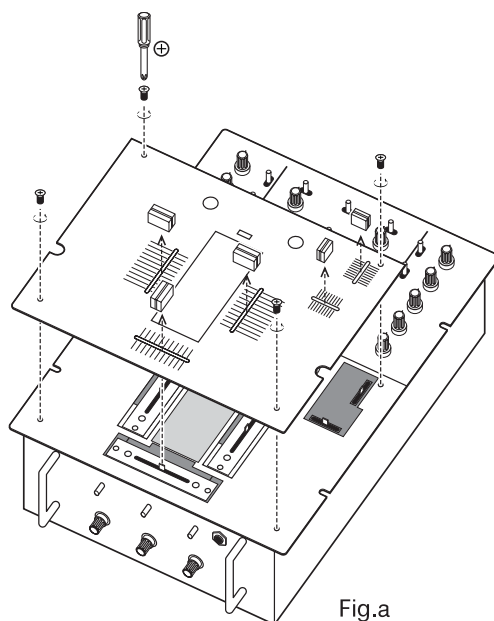


Fig.a

### How to change the crossfader and input fader unit

- ① Remove the top panel, unscrew the 2 screws on the fader panel and raise the fader unit as shown in fig-b.
- ② Disconnect the pin cable connected to the fader unit and the mixer, as shown in fig-c. (Be careful not to bend the connectors pins)
- ③ Connect the pin cable to the new fader unit, and set the unit following instruction ② to ①.

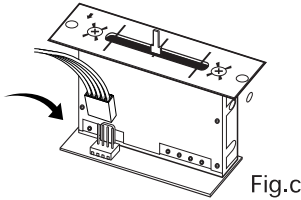


Fig.c

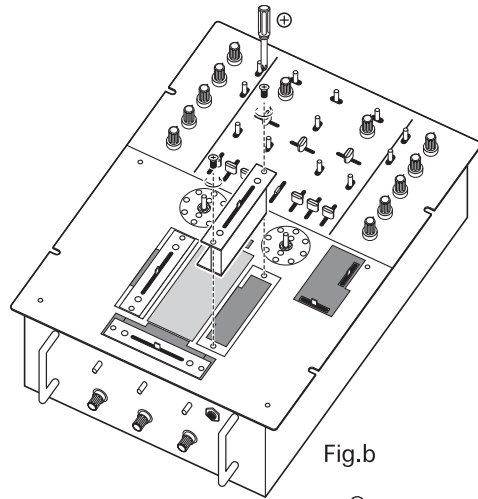


Fig.b

### How to change the switch unit

- ① Remove the top panel as instructed in (How to change the fader unit)
- ② Unscrew the 2 screws on the switch panel and raise the switch unit as shown in fig-d.
- ③ Disconnect the connector connected to the switch unit and the mixer as shown in fig-e.
- ④ Connect the cable to the new switch unit and set the unit following instruction ③, ② and ①.

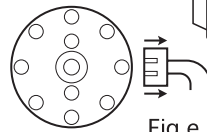


Fig.e

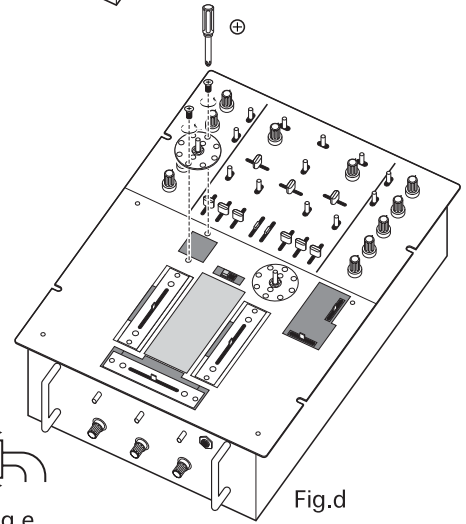


Fig.d

### How to change the angle of the switch

- ① Unscrew the 2 screws holding the switch unit and raise the switch unit as shown in fig-e.
- ② Change the switches angle to your preference and screw it with the 2 screws.
- ③ Set the top panel back.

#### NOTE

BE CAREFUL of the angle of the fader unit when changing the fader unit.

INPUT FADER: Set the unit having the connector facing left.

CROSS FADER: Set the unit having the connector on the top side.

- Please **MAKE SURE** that the power is OFF when changing the fader unit or switch unit. It may cause noises or the mixer to short.
- Please use the correct size screw driver when unscrewing and screwing screws. Using the wrong size may cause damage to the screws.

## MAIN SPECIFICATIONS

INPUT	0dB The input level can be switched to -10dB, 0dB and +4dB with the INPUT LEVEL switch.
OUTPUT	0dB The output level can be switched to line(0dB) and inst(-15dB) with the OUTPUT LEVEL switch.
Headphone output	250mW
Frequency Response	±1dB up to 20Hz -20KHz
Measurement (W×H×D)	264 x 80(100: including knob) x 393mm
WEIGHT	4.5kg

# CONNECTION

