



Professional Mixing Controller

PCV-150

OWNER'S MANUAL

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CONGRATULATIONS!

The PCV-150 is a high profile mixer designed to meet various professional requirements of today's dance music DJs. Please read this owner's 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.

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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.

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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

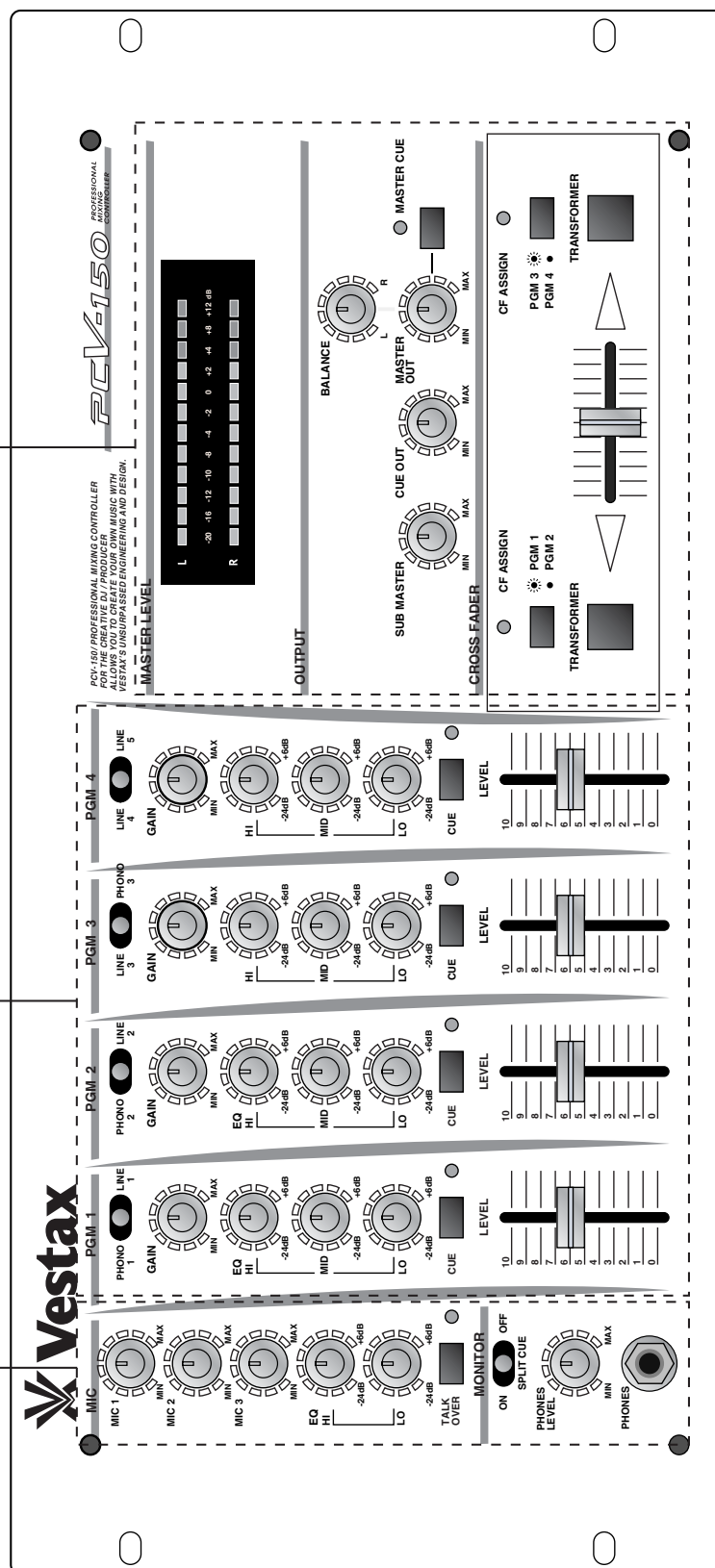
- Stereo XLR balanced output with -10/0/+4dB level select switch ensures the best connection in professional application. Stereo 1/4" unbalanced master output, sub-master output and cue output (mono) are also provided for various different occasions.
- A lot of inputs, 3phono, 5line and 3mic are provided. It makes the PCV-150 into a control center.
- The AC/AC adapter supplies higher current and voltage, which enables the PCV-150 to achieve more dynamic range and better sound quality.
- The cross fader assign switch is newly designed for quick assignment.
- Transformer button is provided for transformer scratch.
- Split/master cue system (selected by switch) meets the different monitoring situation.
- 12segment LED level meter is provided for careful level check.
- A powerful 3band EQ with +6/-24dB range. More sensitive and drastic control can be achieved for Techno/Trans mixing.
- The new PCV-150 features removable flat panel that covers screws etc., that will impede fast mixing. The panel is removed for crossfader replacement.
- New superior grade crossfader (CF-PCV) fitted to PCV-150 enabling super smooth operation together with long life.

FUNCTIONS

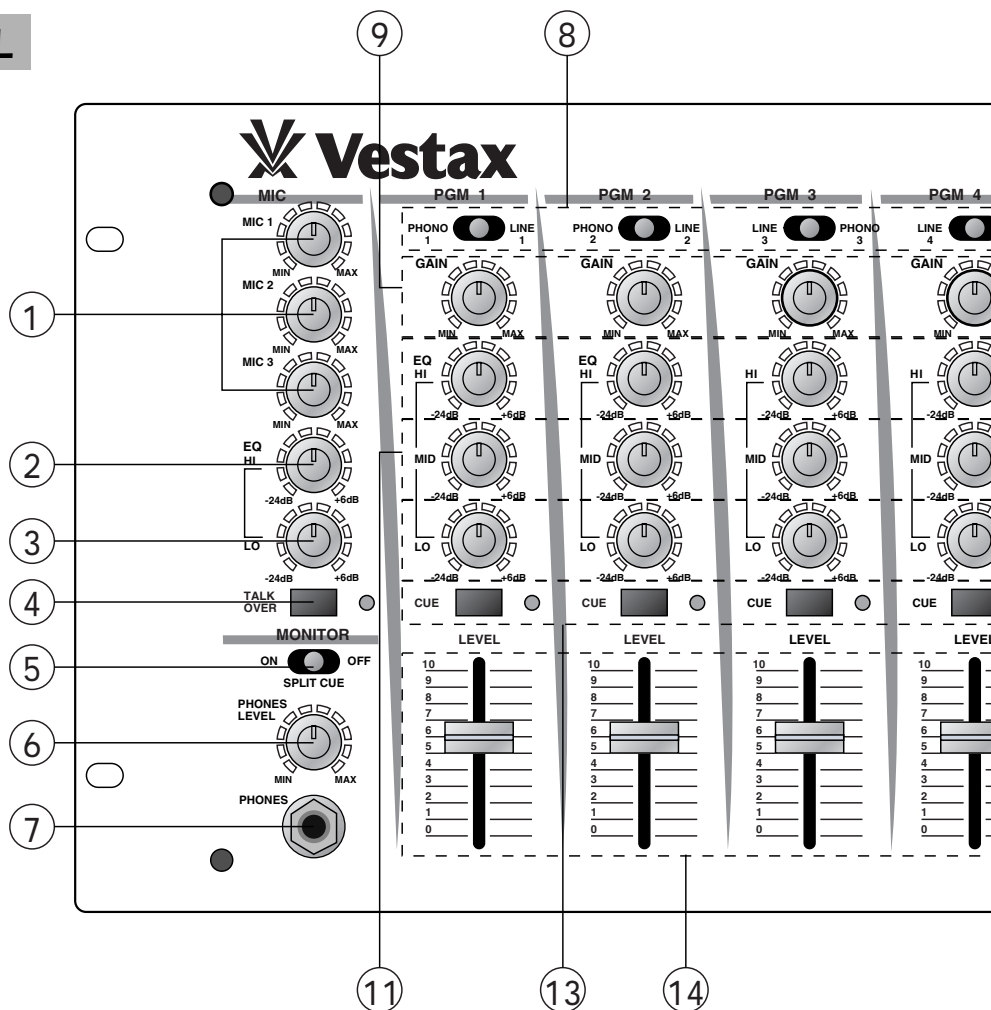
MASTER SECTION

PROGRAM INPUT SECTION

MIC INPUT SECTION MONITOR SECTION



FRONT PANEL



① MIC INPUT LEVEL

This knob is used to adjust the input of each mic connected to mic jack on the rear panel.

② MIC EQ-HI (Equalizer High)

Boosts of +6dB and cuts of -24dB are possible above 10kHz.

③ MIC EQ-LOW (Equalizer Low)

Boosts of +6dB and cuts of -24dB are possible below 100Hz.

④ TALK OVER SWITCH

When this switch is depressed, the levels of all sources except MIC muted.

⑤ SPLIT CUE SWITCH

When this switch is ON, the master signal is always heard through the right earcup of the headphone. The CUE signal will be heard in the left earcup when that input is selected by the CUE SELECT SWITCH (⑬). This enables both programs to be monitored simultaneously, thus assisting in beat mixing.

⑥ HEADPHONE LEVEL

Adjusts the monitor level through the headphone jack.

⑦ HEADPHONE JACK

Use this jack to connect the headphones. Headphones from 8ohm to 600ohm can be used. 150 ohm is recommended.

⑧ INPUT SELECT SWITCH

Used to select the input to be sent to each PGM channel. It allows for selection of one of the two inputs connected rear panel.

⑨ GAIN VOLUME

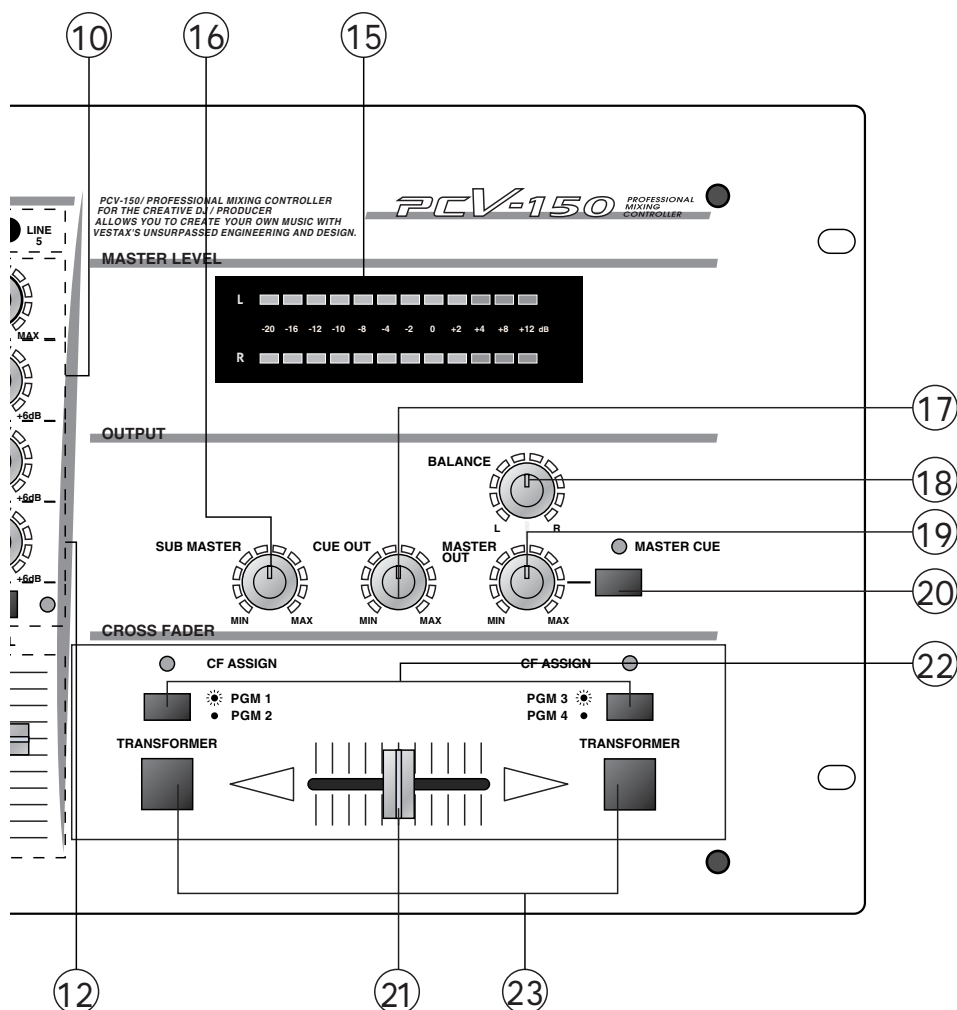
Adjust input level of each channel. Set INPUT FADER and MASTER FADER to 7-8 position. Adjust TRIM so that MASTER LED METER flashes occasionally at ± 5 dB.

⑩ INPUT EQ-HI (Equalizer High)

Auxiliary treble knob. Boosts of +6dB and cuts of -24dB are possible at 20kHz.

⑪ INPUT EQ-MID (Equalizer Middle)

Auxiliary mid knob. Boosts of +6dB and cuts of -24dB are possible at 1kHz.



12 INPUT EQ-LOW (Equalizer Low)

Auxiliary bass knob. Boosts of +6dB and cuts of -24dB are possible at 80Hz.

13 CUE SWITCH

Used to send the signal to the monitor section for head phone.

14 INPUT FADER

Used to adjust input level of the various PGM channels. Usually at 7-8.

15 PEAK LEVEL METER

The bar graph level meters indicate the peak L&R output.

16 SUB MASTER OUTPUT LEVEL

Adjust the signal level output from SUB MASTER OUT jack on the rear panel.

17 CUE OUTPUT LEVEL

Adjust the signal level output from CUE OUT jack on the rear panel.

18 MASTER BALANCE

Determines balance between left and right channels.

19 MASTER OUTPUT LEVEL

Adjust the signal level output from MASTER OUT jack on the rear panel.

20 MASTER CUE SWITCH

Used to send the signal to the monitor section for head phone.

21 CROSS FADER

Mixes the signals assigned by CROSSFADER ASSIGN SWITCH (22) to left side of the crossfader and right side. When the crossfader is in the center position, both left and right signals can be heard. This is a detachable fader for ease of replacement with CF-PCV when it is worn out.

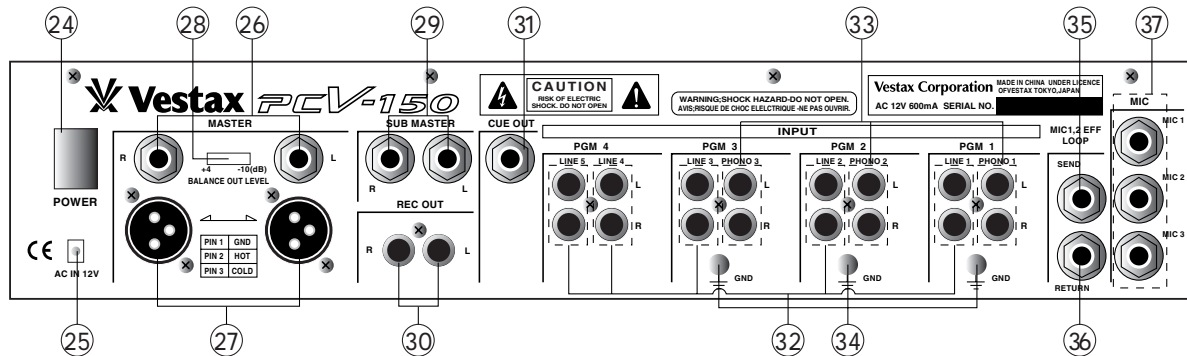
22 CROSSFADER ASSIGN SWITCH

Used to assign the signals from each of the PGM channels to either side of the crossfader or to the master section.

23 TRANSFORMER SWITCH

With the crossfader moved to either right or left, the opposite program can be heard instantly by pressing the opposite transformer button.

REAR PANEL



②④ POWER SWITCH

②⑤ AC POWER JACK

Connect to the AC-12 adaptor.

②⑥ MASTER OUT JACK (UNBALANCE)

Parallel out of P.A. output. Connect with the input of power amp.

②⑦ MASTER OUT JACK (BALANCE)

Parallel output of LINE output, Connect with the input of power amp.

②⑧ BALANCE OUT LEVEL SWITCH

Used to select output level

②⑨ SUB MASTER OUT JACK

SUB MASTER output jack. Connect to input of power amp as monitor in DJ booth or as a separate sound zone for entrance foyer, etc.

③⑩ REC OUT JACK

Output for recording. Connect with the input jack of the tape deck. Also use for sub output when you need the output beside main output. Pre-fader constant level output. INPUT FADER (①④) and MASTER OUTPUT LEVEL (①⑨) does not effect level.

③① CUE OUT JACK

The signal selected by CUE SWITCH and MASTER CUE SWITCH is mono output. It can be sampled by connecting to the input of any sampler without hearing over the P.A. constant level output. MASTER OUTPUT LEVEL does not effect level.

③② LINE INPUT JACK

Input connector for line level equipment such as CD players, tape decks.

③③ PHONO INPUT JACK

Input jack for each PGM turntable. Connect turntable equipped with MM pickup cartridge only.

③④ GROUND TERMINAL

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

③⑤ MIC EFFECT LOOP SEND JACK

Connect to the input of external effects.

③⑥ MIC EFFECT LOOP RETURN JACK

Connect to the output of external effects.

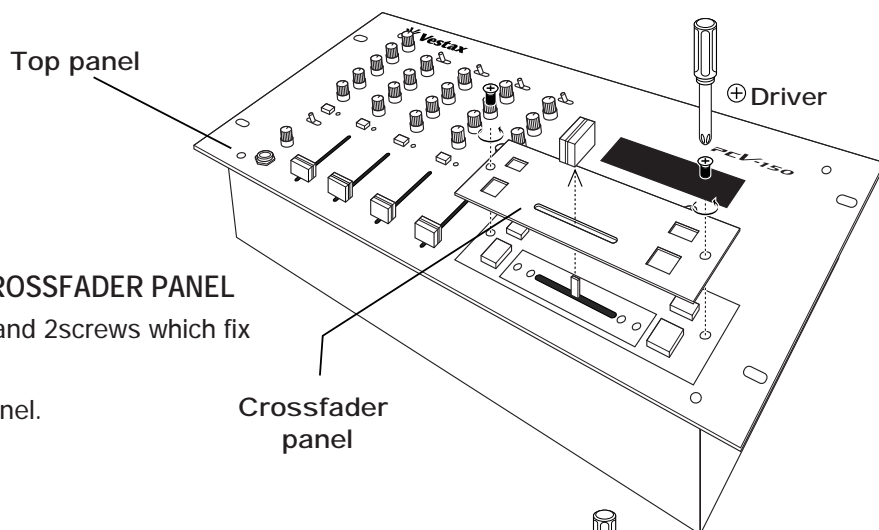
③⑦ MIC INPUT JACK

Input jack of MIC.

HOW TO CHANGE THE FADER UNIT

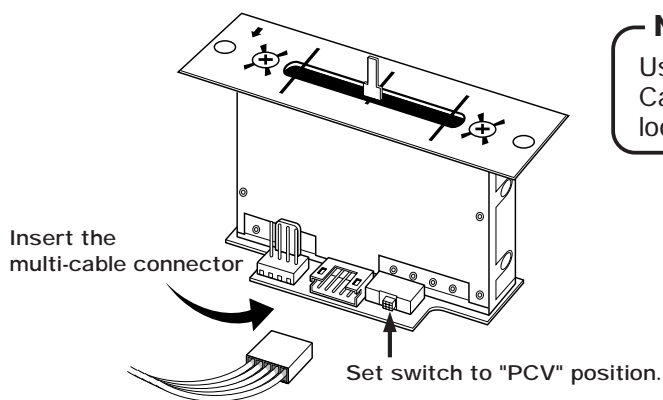
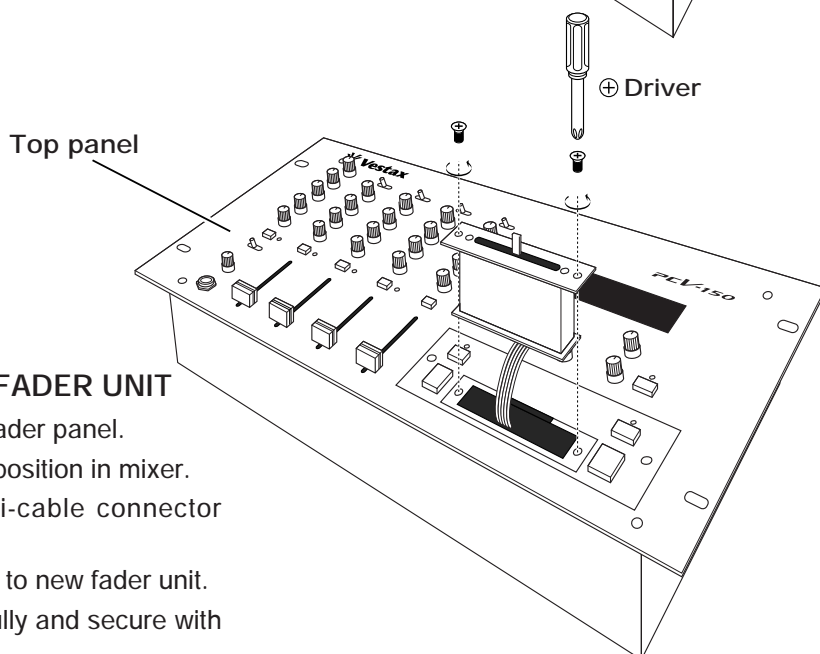
■ HOW TO REMOVE THE CROSSFADER PANEL

- ① Remove crossfader knob and 2 screws which fix the crossfader panel.
- ② Remove the crossfader panel.




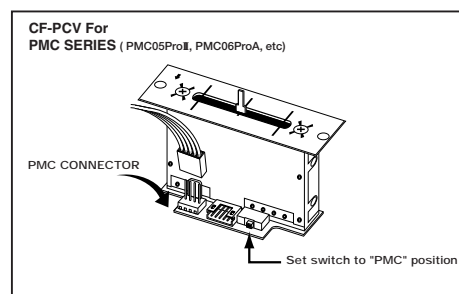
■ HOW TO CHANGE THE FADER UNIT

- ① Remove the screws on the fader panel.
- ② Remove the fader unit from position in mixer.
- ③ Carefully remove the multi-cable connector from fader unit.
- ④ Attach multi-cable connector to new fader unit.
- ⑤ Position the fader unit carefully and secure with screws.

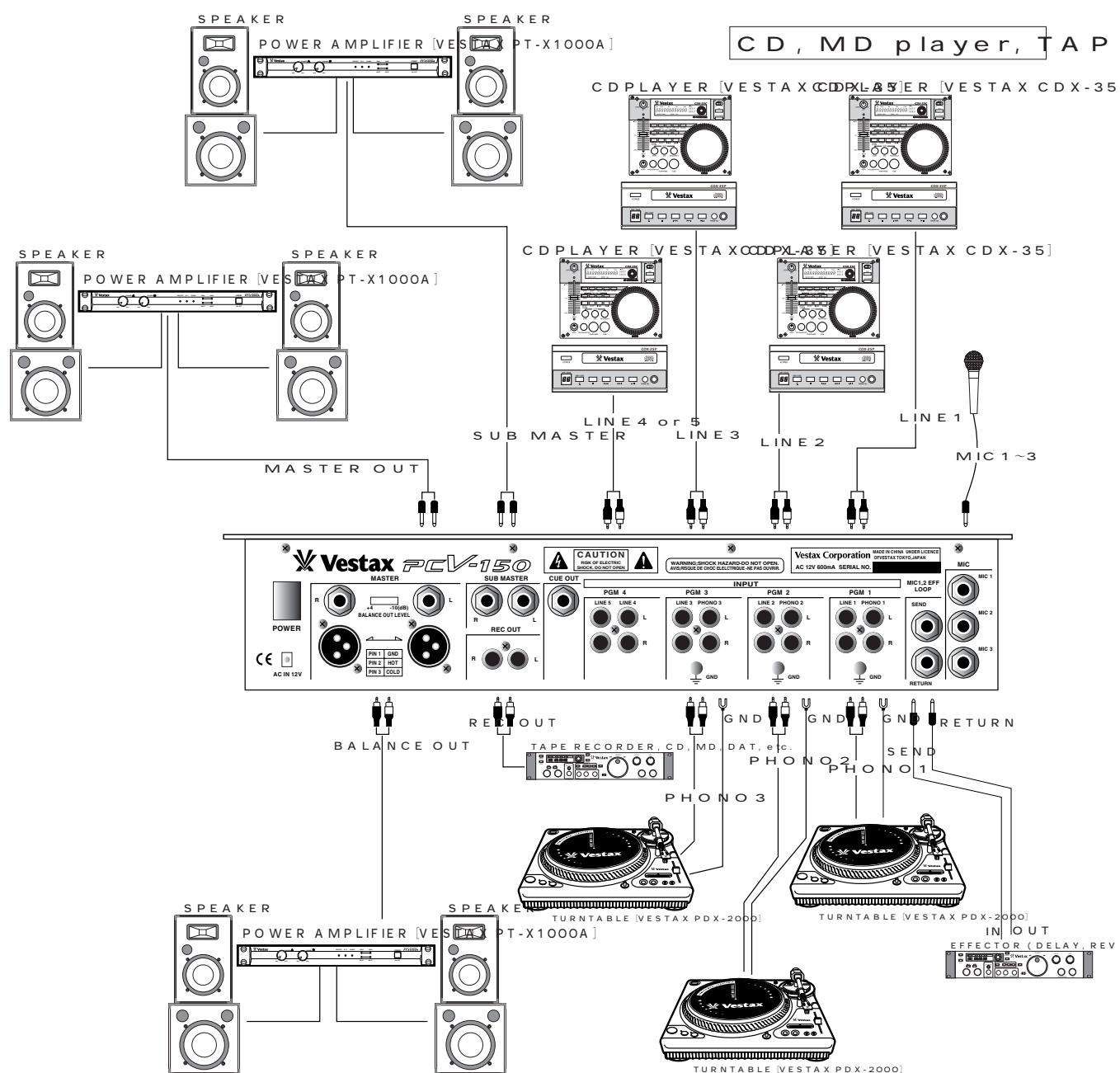


Note

Use a plus driver fitting screw.
Caution: When you change any parts, do not loose the screws with  marking.



CONNECTIONS



SPECIFICATIONS

		NOMINAL	MAXIMUM	IMPEDANCE
INPUT				
unbalanced	MIC INPUT	-54dBv	-20dBv	47k ohm
	LINE 1-3	-10dBv		30k ohm
	PHONO 1-4	-45dBv	-20dBv	47k ohm
	EFFECT RETURN IN	-29dBv	-21.5dBV	10k ohm
OUTPUT				
unbalanced	MASTER OUT	0dBv	15.5dBv	1k ohm
	SUB MASTER OUTPUT	0dBv	15.5dBv	1k ohm
	CUE OUT	-10dBv	17.5dBv	1k ohm
	REC OUTPUT	-10dBv	-4dBv	220 ohm
balanced	MASTER OUT	0dBv	15.5dBv	1k ohm
FREQUENCY RESPONSE	LINE 1-5	20Hz-20kHz (± 1.5 dBV)		
FADER CROSS TALK	LINE L-R	more than 60dB		
	CROSSFADER PGM1-3	more than 80dB		
S/N	LINE 1-5	80dB		
POWER		AC 12V 1000mA		
WEIGHT		7kg		
DIMENSIONS	W * H * D (mm)	482 * 84 * 220		





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***This is to certify that the product subsequently referred to
was designed and manufactured in conformity with the
following EC directives;***

89/336/EEC (EMC)

73/23/EEC (LVD)

Model type : Professional Mixing Controller

Model Description : Professional DJ Mixer / PCV series

Model Number : PCV-150

Applicable Standards : EN55013:1990+A12:1994+A13:1996 Limits and methods of measurement of radio disturbance characteristics of broadcast receivers and associated equipment (including amendments A12:1994 and A13:1996) (CISPR13:1975/Amdt1:1983, modified)
EN50082-1:1997 Electromagnetic compatibility-Generic immunity standard Part1:Residential, commercial and light industry

Date : Wednesday, December 19, 2001

Place of Issue : Vestax Corporation, 1-18-6 Wakabayashi, Setagaya-ku,
Tokyo 154-0023 Japan

**Manufacturers Authorized
Signature :**

Function of Signatory :

Masaaki Shiomi

Director