

OPERATION MANUAL

PP-9620 PRE AMPLIFIER



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Unpacking and Installation

Although it is neither complicated to install nor difficult to operate your set , a few minutes of your time is required to read this manual for a properly wired installation and becoming familiar with its many features and how to use them.

Please take a great care in unpacking our set and do not discard the carton and other packing materials. That may be needed when moving your set and are required if it ever becomes necessary to return your set for service. Never place the unit near radiators, in front of heating vents, excessive humid or dusty location to avoid early damage and for your years quality use. Connect your complementary component as illustrated in the following page.

 <p style="text-align: center;">CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN</p>	 <p>This symbol 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.</p>
<p>CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK. DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS IN SIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>	 <p>This symbol is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying the appliance.</p>
<p>WARNING</p> <p>To prevent fire or shock hazard, do not expose the unit to rain or moisture.</p>	<p>Caution : To prevent electric shock do not use this (polarized) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure.</p> <p>Attentions : Pour prevenir les chocs electriques ne pas utiliser cette fuche polarisee avec un prolongateur, une prise de courant on une autre soruie de courant, sauf si les lames peuvent etre inserees a fond sans en laisser aucune partie a decouvert.</p>

Installation

Environment

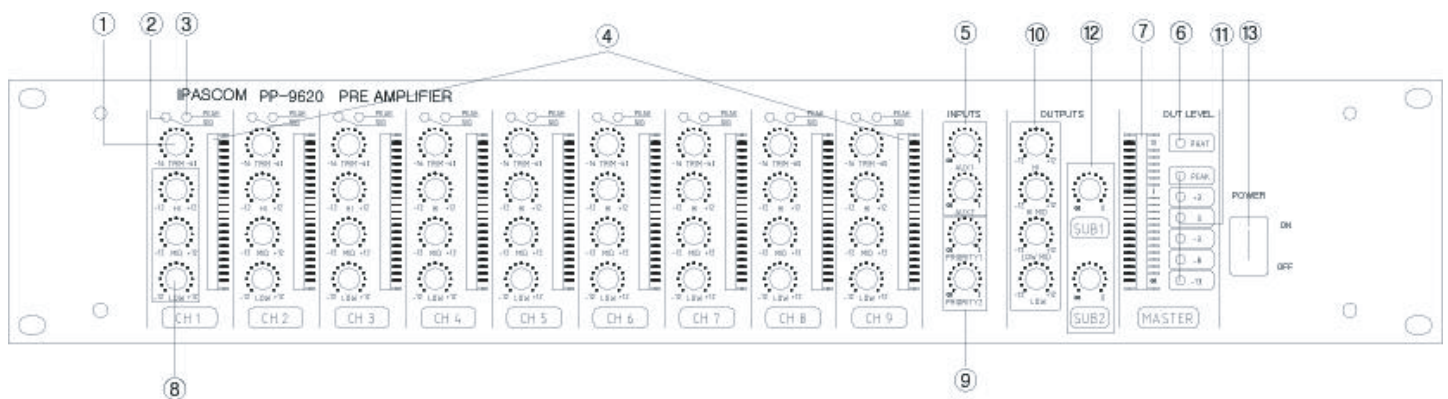
Never place this product in any environment which could alter its performance or reduce its service life. Such environments usually include high levels of heat, dust, moisture, and vibration.

Important Safety Instructions

1. Read these instructions and follow as written.
2. Keep this user manual for later use.
3. Do not use this product near water or any humid area.
4. Clean only with dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heater, stoves, or other amplifiers or electronic products that produce heat.
7. Protect the power cord from being walked on or pinched, especially on plugs and convenience receptacles.
8. Only use attachments/ accessories supplied by the manufacturer or authorized seller.
9. Do not defeat the safety purpose of the polarized or grounding- type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer or authorized seller. When operating with such accessory, be extra careful to avoid accidents.
11. Leave this device unplugged when not used for long periods of time.
12. Make sure this device is unplugged during lightening storm.
13. Refer all service to qualified service personnel. When opened, damaged or repaired by anyone unauthorized, service warranty might be invalid.



FRONT PANEL



1. GAIN KNOB (Range: 44 dB)

2. GANE LEVEL MONITOR

Shows if signals are transferred into right channel.

3. PEAK INPUT LEVEL

LED turns on 3 dB lower than OUTPUT clipping and shows excessive OUTPUT.

4. FADER

Adjusts mixing level of signals into each channel.

It is recommended to slide down when not in use.

5. AUX1, AUX2

Adjusts signal into AUX jacks.

6. MASTER FADER

Adjusts MASTER OUTPUT VOLUME mixed from each INPUT channel.

7. PHANTOM LEVEL

Turns on when PHANTOM is in use

8. 3 BAND INPUT EQUALIZER (High: 10KHz, MID: 1KHz, Low 100Hz)

9. PRIORITY1, PRIORITY2

-1ST : PRIORITY 1 OR 2

-2ND : CH 1 OR 2 when DUCKING is on

-3rd : CH 3~9 INPUT

10. 4 BAND OUTPUT EQUALIZER

HIGH 10KHz, MID-HI 2KHz, MID-LOW 400Hz, LOW 80Hz

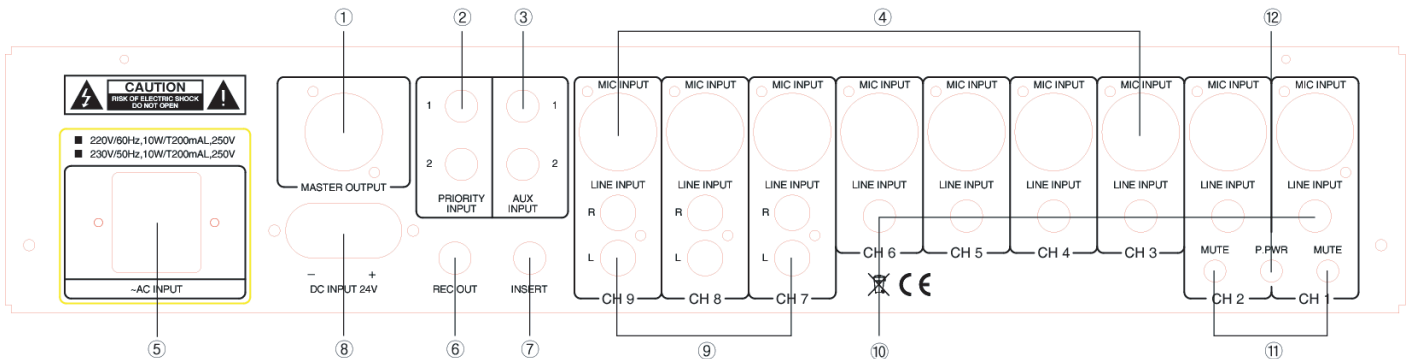
11. VU METER

Shows LINE OUT volume

12. POWER BUTTON

Supplies power to device and turns on POWER LED

BACK PANEL



1. MASTER OUTPUT (XLR BALANCE, LEVEL: + 4 dBm/600 Ω)

2. PRIORITY INPUT

Signals through this jack blocks other channels.

3. AUX 1,2 INPUT (LEVEL: -10 dBm/20 K Ω)

4. MIC INPUT (INPUT impedance: 50~600 Ω)

Connects with XLR microphone (1:GND, 2:HOT, 3:COLD)

CH1 and CH2 supplies +18 V power into number 2 and 3 pin.

5. AC POWER INPUT (220 V)

Unplug power completely and find AC power fuse inside fuse box.

Make sure with voltage and currency before replacement.

6. RECORDING OUTPUT (UNBALANCE, LEVEL: -10 dBV/10 K Ω)

7. INSERT INPUT

Blocks all signals of this device in order to transfer OUTPUT from another device to MASTER OUTPUT

8. DC POWER INPUT (24 V)

In case AC power is not available, make use of battery.

9. STEREO LINE INPUT

For CD, tuner, cassette deck, etc

10. MONO LINE INPUT 모노 라인 입력

For CD, tuner, cassette deck, etc

11. DUCKING

While this switch is pressed in, other channels are blocked except connected microphone.

* PROIRITY function blocks DUCKING microphone.

12. PHANTOM POWER

Supplies +18 V BALANCED power to number 2 and 3 pin of XLR condenser microphone.

In case other microphones need to be connected, make sure to keep plugs BALANCED.

※ CAUTION: MAKE SURE **INPUT CHANNEL VOLUME AND MASTER VOLUMNE IS MINIMIZED**

BEFORE TURNING ON PHANTOM POWER IS IN ORDER TO PROTECT
SPEAKERS FROM SHOCK AND/OR DAMAGE FROM SUDDEN POWER SUPPLY

ELECTRICAL SPECIFICATION

■ **OUTPUT POWER**

MASTER OUTPUT	+4 dBm/600 Ω, BALANCED
SUB 1,2 OUTPUT	+4 dBm/600 Ω, UNBALANCED
RECORDING OUTPUT	-10 dBV/10 KΩ, UNBALANCED

■ **INPUT SENSATIVITY / IMPDEANCE-----**

MIC (CH1~CH9)	-60 dBm/600 Ω, BALANCED
LINE (CH1~CH6)	-20 dBm/47K Ω, BALANCED
LINE (CH1~CH9)	-20 dBm/47K Ω, UNBALANCED
AUX 1,2	-10 dBm/20K Ω, UNBALANCED
PRIORITY 1,2	0 dBm/20K Ω, UNBALANCED
INSERT	0 dBm/20K Ω, UNBALANCED

■ **TERMINAL HANDLING CHARGE-----** ≤ 0.3 %

■ **FREQUENCY RESPONSE-----** 30 Hz-20 KHz (+1 d, -3 dB)

■ **INPUT CHANNEL EQUALIZER**

HIGH (10KHz)	±12 dB
MID (1KHz)	±12 dB
LOW (100Hz)	±12 dB

■ **OUTPUT CHANNEL EQUALIZER-----**

HIGH (10KHz)	±12 dB
HI-MID (2KHz)	±12 dB
LOW-MID (400Hz)	±12 dB
LOW (80Hz)	±12 dB

■ **RESIDUAL NOISE** ≤ -90 dB

■ **CROSSTALK** ≤ -60 dB

■ **PHANTOM POWER** +18 VDC

GENERAL SPECIFICATION AND FEATURE

■ POWER SOURCE	AC 220 V,60 Hz,DC 24 V
■ POWER CONSUMPTION	10 W
■ WEIGHT	7.5 Kg
■ DIMENSION (mm)	482(W)×88(H)×280(D)

FEATURES

- 9 CH OUTPUT, 1 CH MASTER OUTPUT, 1CH RECORDING OUTPUT
- AUX INPUT AND 2 CH PRIORITY FUNCTION
- EQUALIZER FOR EACH INDIVIDUAL CHANNEL (GANE: ± 12 Db)
- PHANTOM MIC POWER (2 MIC CH, +18V)
- DUCKING : CH 1 AND CH 2 are prior to other CHs

