



Mixing Amplifier

**PA-60A/120A/240A**



**interM**

# Mixing Amplifier

PA-120A



## OVERVIEW

PA-A series is consist of each 60W/120W/240W output models, and this mixing amplifier can be applied to everywhere due to both usage High-Z(100V/70V) and Low-Z(4Ω/8Ω). It provides not only MIC, LINE but also variety of audio inputs such as AUX, TEL IN and additional functions such as tone control of BASS/TREBLE, and priority mode. Especially, users can operate the device for announcement and broadcast easily via interacting RM-05A which is exclusive remote microphone.

## FEATURE

### High Efficiency Class-D Amplifier

High efficiency, low power consumption due to Class-D amplifier.

### Various Input Terminal

3 MIC Inputs, 2 Line Inputs, 2 Stereo Line Input, TEL IN and EXT IN input

### Input / Output Monitoring

Built-in input signal display LED and output level display LED (7 Dots) per channel

### Tone Control

Depending on the frequency used, there are treble and bass controllers to adjust the tone to suit your surroundings and purpose. (At 100Hz and 10kHz, each adjustable  $\pm 10\text{dB}$ )

### Speaker Selection Switch

Selective-zone / All-zone broadcast by 5 speaker selection switches and a switch for all.

### Priority Broadcast Function

Priority broadcasting function is adopted which can control other input signals by input signal of TEL IN and INPUT 1. (TEL IN >> INPUT 1 >> INPUT 2~6)

### User Friendly Features

Chime and Siren, EXT IN, MIX OUT

### Phantom Power Support

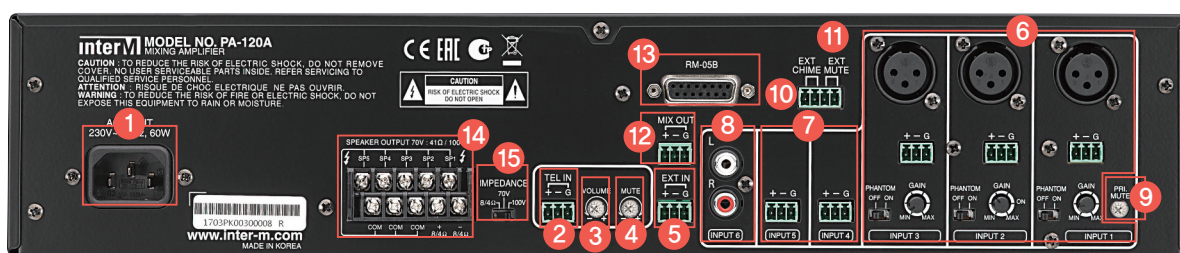
PHANTOM POWER support for high intensity condenser microphone (INPUT 1~3)



# PA-60A/120A/240A FRONT/REAR PANEL



- |                             |   |
|-----------------------------|---|
| 1 INPUT LEVEL CONTROL       | 8 POWER SWITCH                                      |
| 2 INPUT SIGNAL INDICATOR    | 9 POWER INDICATOR                                   |
| 3 CHIME SWITCH              | 10 SPEAKER ZONE SELECTION SWITCH<br>(ALL, ZONE 1~5) |
| 4 SIREN ON/OFF SWITCH       | 11 OUTPUT LEVEL DISPLAY(7 DOT)                      |
| 5 TONE CONTROL(BASS/TREBLE) | 12 AUX INPUT WITH INPUT 6                           |
| 6 PROTECTION INDICATOR      |   |
| 7 MASTER VOLUME CONTROL     |   |



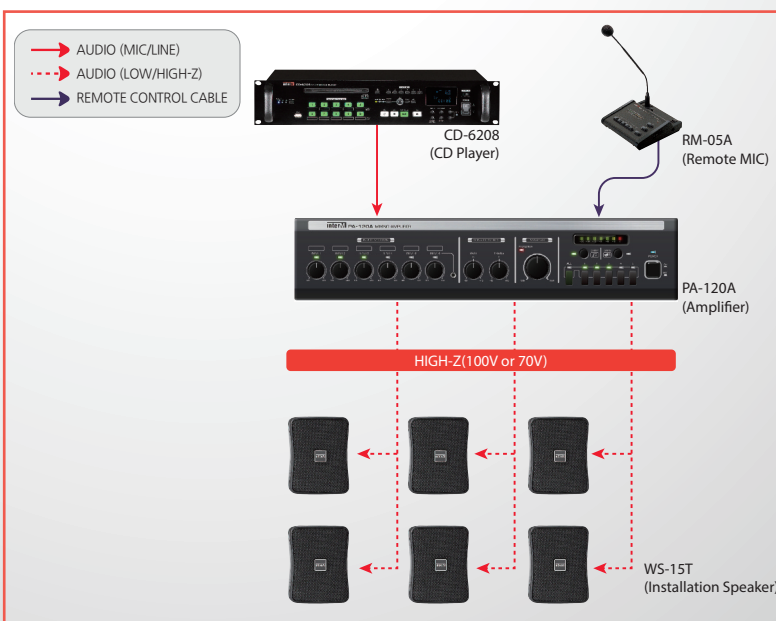
- |                             |  |
|-----------------------------|--|
| 1 AC POWER INPUT            | 9 PRIORITY LEVEL CONTROL VOLUME                    |
| 2 TEL IN TERMINAL           | 10 EXT CHIME                                       |
| 3 TEL IN VOLUME CONTROL     | 11 EXT MUTE  |
| 4 TEL IN LEVEL MUTE CONTROL | 12 MIX OUT   |
| 5 EXT IN                    | 13 RM-05A CONNECTION TERMINAL                      |
| 6 INPUT(MIC/LINE) 1~3       | 14 SPEAKER OUTPUT TERMINAL                         |
| 7 INPUT(LINE) 4~5           | 15 IMPEDANCE SELECTION SWITCH<br>(1~5 ZONE, LOW-Z) |
| 8 INPUT(STEREO LINE) 6      |  |

# SPECIFICATIONS

		PA-60A	PA-120A	PA-240A
Output Power (1kHz, THD 1%)	70V/100V	60W	120W	240W
	8Ω	40W	120W	180W
	4Ω	60W	160W	240W
Frequency Response (1W, ±3dB)	LINE	80Hz~17kHz		
	MIC	100Hz~15kHz		
THD+N (Rated Power, 1kHz)		1% max		
S/N	LINE	More than 70dB		
	MIC	More than 50dB		
Input Sensitivity / Impedance				
Input 1~5/input im- pedance	MIC	-70dBu / 2kΩ (Balanced)		
	LINE	-20dBu / 2kΩ (Balanced)		
Input 6/input imped- ance	RCA	-20dBu / 2kΩ (UnBalanced)		
	3.5Φ PHONE JACK	-10dBu / 10kΩ (UnBalanced)		
TEL IN/input impedance		-20~0dBu / 10kΩ (Balanced)		
EXT IN/input impedance		0dBu / 20kΩ (Balanced)		
MIX OUT/input impedance		0dBu / 10kΩ (Balanced)		
Speaker output level / output impedance		100V / 167Ω	100V / 84Ω	100V / 42Ω
		70V / 82Ω	70V / 41Ω	70V / 21Ω
TONE CONTROL	BASS(100Hz)	10dB		
	TREMBLE(10KHz)			
Operating Temperature		-10℃ ~ +40℃		
Operating Power		AC 220V, 230V, 240V, 50/60 Hz		
Power consumption (1/8W output)		40W	60W	90W
Weight (set)		6.25kg/13.78lb	7.32kg/16.14lb	9.75kg/21.5lb
Dimensions (set)		420(W) x 88(H) x 318.7(D)mm/16.54(W) x 3.46(H) x 12.55(D)in		

# APPLICATIONS

**Application for commercial audio environment like cafe or retail store**



**Inter-M Corp. (IMK)**



719, Dobong-ro, Dobong-gu, Seoul, Korea  
Overseas Sales Team

Tel\_ +82-2-2289-8141~7 Fax\_ +82-2-2289-8149 E-mail\_ overseas@inter-m.com

www.inter-m.com

※ Design and specification are subject to be changed for the improvement of product quality without pre notice.

2017. 11. V3