

Mixing Amplifier
PA-212/224



MAJORCOM:

PA-212/224 Mixing Amplifier



OVERVIEW

PA 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 front panel USB, but also a variety of audio inputs such as MIC, LINE, AUX, TEL IN. Also, additional functions are provided, such as tone control(BASS/TREBLE) and prioritized broadcasting. Especially, a user can operate the device for paging easily via a dedicated remote microphone, RM-05A.

FEATURE

- CLASS-D Amplifiers having 120W/240W of output
- * PA-212: 120W, PA-224: 240W
- High-Z (100V/70V) and low-Z (8Ω/4Ω)
- Multiple inputs (three mics/lines, two lines, two stereo/line inputs, tel in, usb) and a feature for controlling the volume of each channel
- Ext in and MIX out
- Displaying input signal led by channel and output led level
- Tone(bass/treble) controlling
- A switch for selecting 5 switches (zone selection switch)
- Broadcasting in priority
- tEl In > InPUt 1 > InPUt 2 = InPUt 3 = InPUt 4 = InPUt 5 = InPUt 6
- External mute and external chime
- Chime and siren

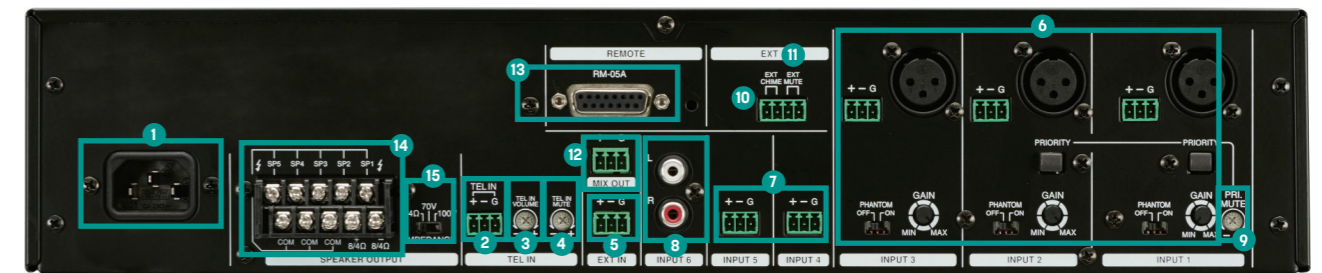
FRONT AND REAR VIEW

• Front panel



- | | | | |
|---|------------------------------|----|--------------------------|
| 1 | INPUT VOLUME CONTROLLER | 7 | MAIN VOLUME CONTROLLER |
| 2 | INPUT SIGNAL INDICATOR | 8 | POWER SWITCH |
| 3 | CHIME SWITCH | 9 | POWER INDICATOR |
| 4 | SIREN ON/OFF SWITCH | 10 | SPEAKER SELECTION SWITCH |
| 5 | TONE CONTROLLER | 11 | OUTPUT LEVEL INDICATOR |
| 6 | PROTECTION CIRCUIT INDICATOR | 12 | AUX INPUT TERMINAL |

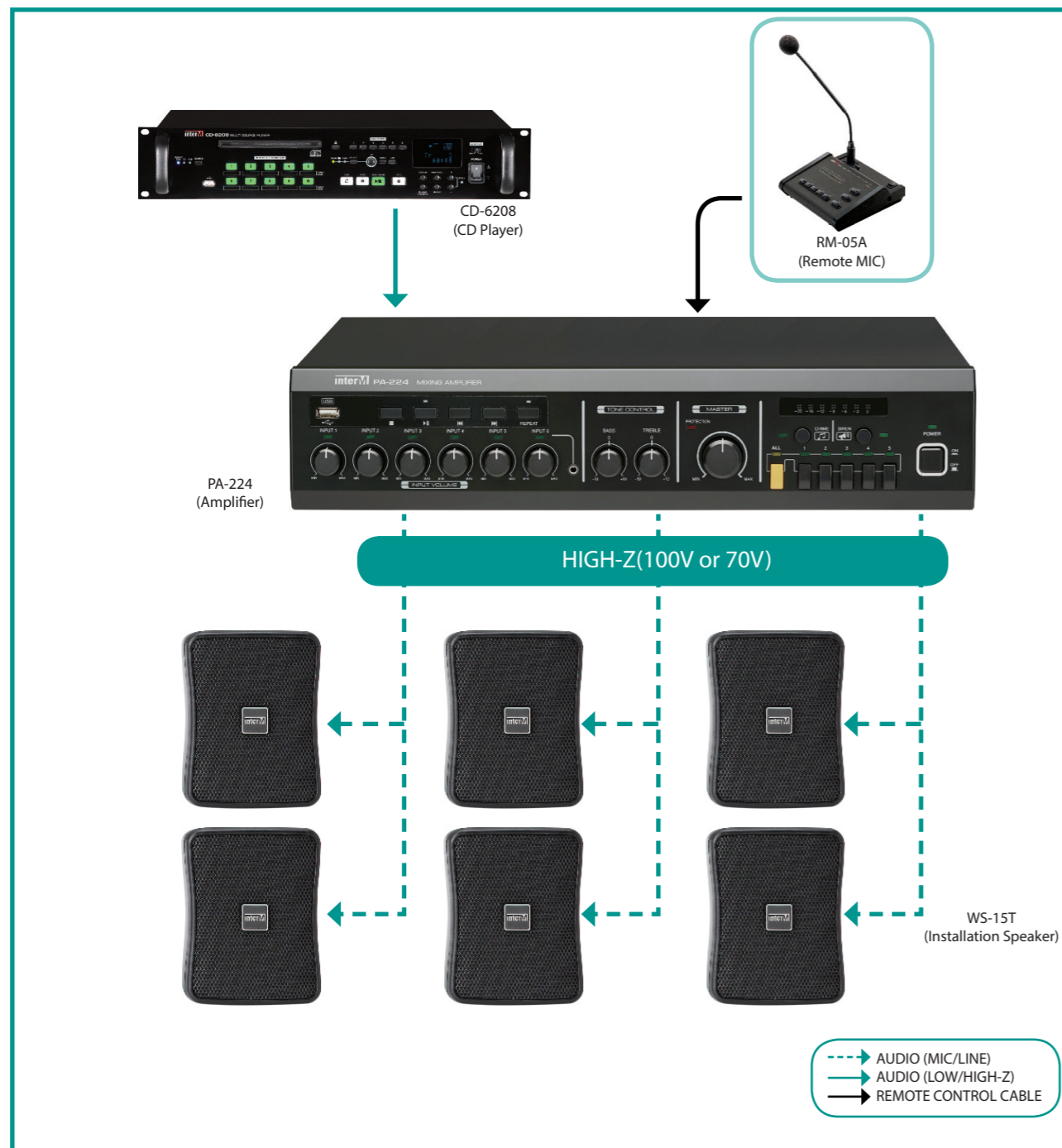
• Rear Panel



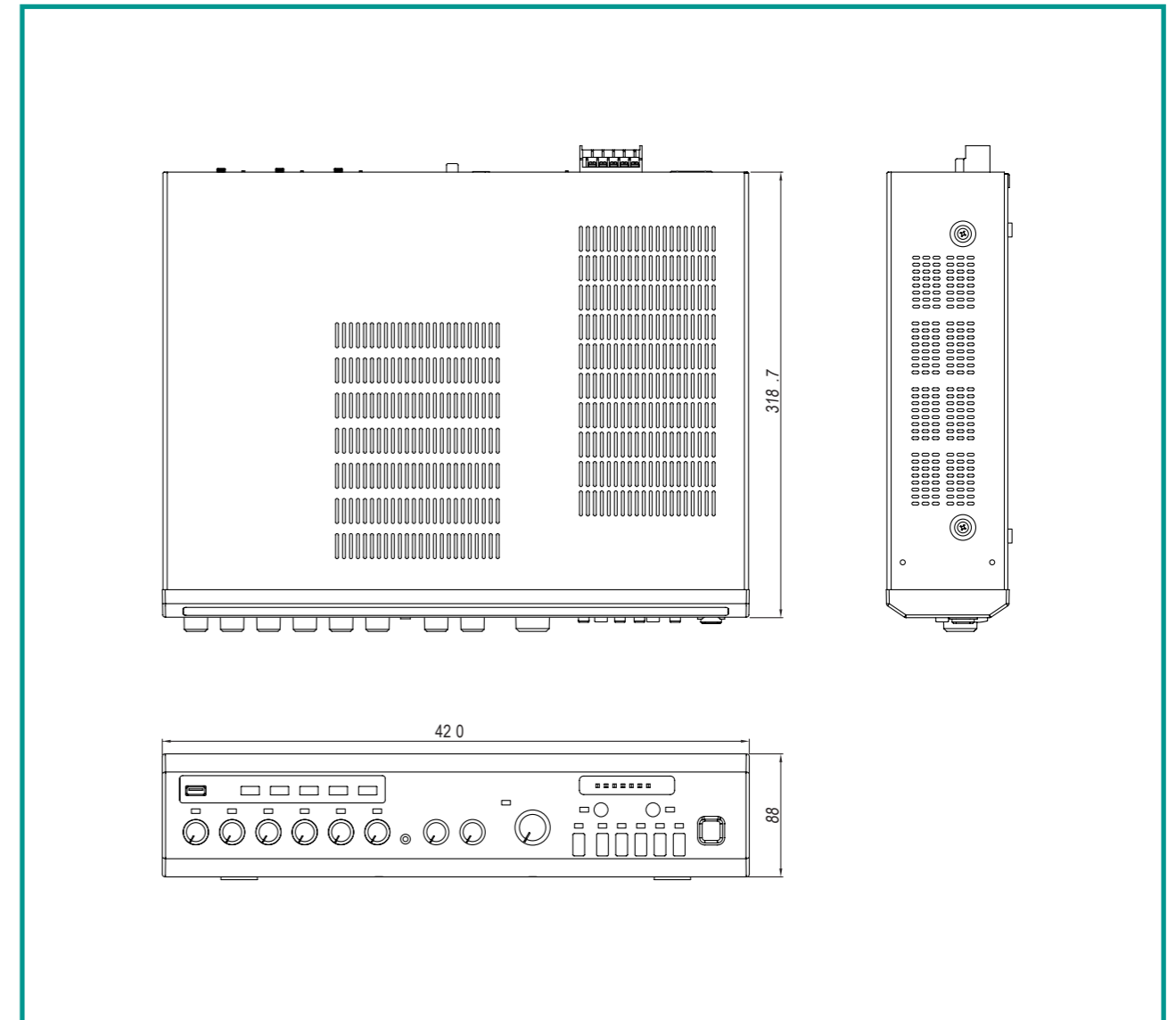
- | | | | |
|---|--|----|--|
| 1 | AC INPUT | 9 | PRIORITY CONTROL VOLUME (PRIORITY MUTE) |
| 2 | TEL IN INPUT TERMINAL | 10 | EXTERNAL CHIME (EXT CHIME) SWITCH TERMINAL |
| 3 | TEL IN VOLUME CONTROLLER | 11 | EXTERNAL MUTE SWITCH TERMINAL |
| 4 | TEL IN PRIORITY CONTROL VOLUME (TEL IN MUTE) | 12 | MIX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

APPLICATIONS

- Application for commercial audio environment like cafe or retail store.



DRAWING



Related Products

RM-05A(Remote MIC)

- * Broadcasting alarm sound and mic TALK function
- * Broadcasting area selection
- * Output level meta
- * Mic broadcasting
- * CHIME output removal



SPECIFICATIONS

| | | PA-212 | PA-224 | |
|------------------------------------|-----------------------------|------------------------------|------------|------------|
| Output Power (1kHz, THD. 1%) | | 120W | 240W | |
| | | 31V(8Ω) | 31V(4Ω) | |
| | | 70V(41Ω) | 70V(21Ω) | |
| | | 100V(84Ω) | 100V(42Ω) | |
| S/N | MIC | 50dB | | |
| | RCA, 3.5Φ PHONE JACK | 70dB | | |
| | LINE, TEL IN | 70dB | | |
| Input Sensitivity / Impedance | MIC (BALANCE) | -70dBu /2kΩ | | |
| | LINE (BALANCE) | -20dBu /2kΩ | | |
| | RCA (UNBALANCE) | -20dBu /2kΩ | | |
| | 3.5Φ PHONE JACK (UNBALANCE) | -10dBu /10kΩ | | |
| | TEL IN (BALANCE) | -20 ~ 0dBu/10kΩ | | |
| | EXT IN (BALANCE) | 0dBu /20kΩ | | |
| | MIX OUT (BALANCE) | 0dBu /10kΩ | | |
| THD+N | Rated Power(1kHz) | Less than 1% | | |
| TONE CONTROL | BASS(100Hz) | ±10dB | | |
| | TREBLE(10kHz) | ±10dB | | |
| Frequency Response (1W,±3dB,Low-Z) | LINE | 70V | 80Hz-15kHz | 80Hz-17kHz |
| | | 100V | 80Hz-17kHz | |
| Operating Temperature | | -10°C~+40°C | | |
| Operating Power | | AC 220V, 230V, 240V, 50/60Hz | | |
| Power consumption (1/8W) | | 60W | 90W | |
| Weight (Set) | | 7.32kg | 9.75kg | |
| Dimensions (Set) | | 420(W) x 88(H) x 318.7(D)mm | | |

