



# MA-725F & MM-700F

Matrix Amplifier & Pre-Amplifier



No stress with sound operation,  
more time for your customers.

# MA-725F & MM-700F

## Matrix Amplifier & Matrix Pre-Amplifier

TOA's MA-725F matrix amplifier and MM-700F is all-in-one solution for multi-channel or multi-zone applications combining a 6x4 audio matrix, DSP and 4ch Class-D amplifier(\*) into one chassis. It is equipped with 4 independent line inputs, 2 MIC/LINE priority inputs. Each output has independent DSP preset adjustment with input source matrix selection. It features high power (250Wx4@ 70V/100V)(\*) and various inputs capabilities. Its wide range of applications include general or emergency announcement and background music for restaurants, pubs, retail stores, schools, offices, etc.

(\*) MA-725F only

### FEATURES

- 4 stereo-summing line inputs with matrix routing to 4 amplifier outputs.
- Each line input has input level adjustment and the possibility to assign restriction setting for each output to prevent routing selection.
- 2 priority MIC/LINE inputs with different priority level for paging or other pre-recorded source which can override the selected line input on assigned output channels.
- Each priority input also has input level, mute sensitivity and mute hold time adjustments.
- Each output channel also has auxiliary line output to deliver audio to other systems.
- Each output channel is equipped with 250W Class-D amplifier at 70V/100V output voltage selectable with independent DSP preset selection and 50Hz HPF for the protection of connected speakers (\*).
- Selectable DSP preset selections include general EQs, like Loudness curves, TOA speaker EQs and crossover settings to be used with sub-woofers.
- Easy setup without software
- Optional wall mount remote control panel, WP-700
- Class-D amplifier has various protection features against over current, high temperature and short circuit of speaker lines at each output channel (\*).

(\*) MA-725F only



## APPLICATION EXAMPLES



Restaurants / Pubs



Retail stores



Offices



Schools

## OPTIONS




### WP-700 Remote Control Panel

- A remote control switch/volume panel designed to be used with the MA-725F amplifier
- Provides remote select input source and adjusts volume levels through an Ethernet cable
- It can be mounted in a 1-gang electrical box

## SPECIFICATIONS

|                           |               | MA-725F  | MM-700F  |
|---------------------------|---------------|--|--|
| Power Source              |               | 100 – 240V AC, 50/60 Hz  |  |
| Power Consumption         |               | 1350W (rated output)   | 9 W or less  |
| Frequency Response        |               | 20Hz – 20kHz (-3dB / +1 dB, LPF OFF)   | 20Hz - 20 kHz (-3 dB / + 1 dB)   |
| Total Harmonic Distortion |               | 1 % or less, at 1 kHz, rated output  |  |
| Input                     | Priority 1-2: | Mic -60 dB/Line -10 dBV selectable, 2.2k $\Omega$ , electronically-balanced, removable terminal block  |  |
|                           | Line In 1-4:  | -10 dBV, 10k $\Omega$ , unbalanced, 2 RCA jacks (Stereo summing)   |  |
| Output                    | Speaker 1-4:  | 70V (20 $\Omega$ ), 100V (40 $\Omega$ ), removable terminal block  | --   |
|                           | Line Out 1-4: | 0 dBV, 600 $\Omega$ , unbalanced, RCA jack   | 0 dB*, 600 $\Omega$ , unbalanced, removable terminal block   |
|                           | MOH:          | 0 dBV, 600 $\Omega$ , transformer balanced, removable terminal block   |  |
| DSP Preset                |               | 16 presets in 4 banks at each output channel, selectable   |  |
| S/N Ratio                 |               | Mic: 60 dBV or more, Line: 75 dBV or more (A-weighted)   |  |
| Muting                    |               | Manual mute / Automatic mute   |  |
| Mute Hold Time            |               | 50 ms - 10 seconds, adjustable   |  |
| Priority Level            |               | PRIORITY 1 > PRIORITY 2 > LINE 1-4   |  |
| Control                   | Power:        | ON/OFF switch, Power remote terminal   |  |
|                           | Priority 1-2: | MIC/LINE selector switch, Gain control, Assign switch, Auto mute switch, Mute sense control, Manual mute terminal, Mute hold time control, Priority mix switch |  |
|                           | Line In 1-4:  | Gain control, Assign restriction switch  |  |
|                           | Output 1-4:   | LINE IN 1-4 selector switch, Output gain control, 70V/100V selector switch, HPF switch, DSP bank selector switch, DSP preset selector switch                   | LINE IN 1-4 selector switch, Output gain control, DSP bank selector switch, DSP preset selector switch |
|                           | Remote 1-4:   | Remote control connector (RJ-45), Remote link switch   |  |
| Operating Temperature     |               | 0 to 40 °C degree (32 to 104 °F)   |  |
| Operating Humidity        |               | 35% to 80%RH (no condensation)   |  |
| Finish                    |               | Panel: Aluminum, hair line, black; Case: Steel plate, black, paint   |  |
| Dimensions (W x H x D)    |               | 420 x 107.6 x 350mm  |  |
| Weight                    |               | 7.6kg  | 5.7 kg   |
| Accessories               |               | Power cord (2m) x1, Removable terminal plug (5 pins x 2, 3 pins x 1, 2 pins x 4); Rack mounting bracket x 2, Bracket mounting screws x 4, User manual x 1      |  |
| Option                    |               | Remote Control Panel : WP-700  |  |



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