

## MA-725F-AM 3CU

### 4 CHANNEL MIXER POWER AMPLIFIER



The MA-725F matrix amplifier is an all-in-one solution for multi-channel or multi-zone applications combining a 6 x 4 audio matrix, DSP and 4ch Class-D amplifier into one chassis. It is equipped with 4 independent line inputs, and 2 MIC/LINE priority inputs. Each output has independent DSP preset adjustment with input source matrix selection. The MA-725F features high power (250 W x 4 at 70 V/100 V) 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.

## Key features

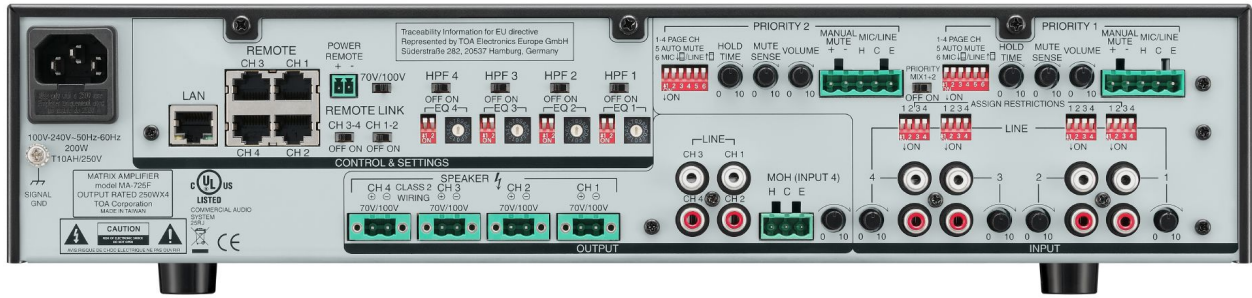
- 4 stereo-summing line inputs with matrix routing to 4 amplifier outputs.
- Each line input has input level adjustment and the possibility to assign restriction setting for each output to prevent routing selection.
- 2 priority MIC/LINE inputs with different priority level for paging or other pre-recorded 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 250 W Class-D amplifier at 70 V/100 V output voltage selectable with independent DSP preset selection and 50 Hz 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
- Smart Control providing browser based wireless remote control
- Zone selection for paging with optional remote microphone RM-9012C
- Optional wall mount remote control panel
- Class-D amplifier has various protection features against over current, high temperature and short circuit of speaker lines at each output channel.

## Specifications

\*0 dB = 1 V

|                           |  |
|---------------------------|--|
| Power Source              | 100 - 240V AC, 50/60Hz   |
| Rated Output              | 250W x 4 channel: 70V line (20 $\Omega$ ) / 100V line(40 $\Omega$ )  |
| Power Consumption         | 1350 W (rated output)  |
| Frequency Response        | 20Hz - 20 kHz (-3 dB / $\pm 1$ dB, LPF OFF)  |
| Total Harmonic Distortion | 1% or less, at 1kHz, rated output  |
| Signal to Noise Ratio     | Mic: 60 dB or more, Line: 75dB or more (A-weighted)  |
| Input                     | Priority Input: PRIORITY 1-2: Mic -60dB/Line -10dB selectable, 2.2k $\Omega$ , electronically-balanced, removable terminal block;<br>AUDIO input: LINE 1-4: -10dB, 10k $\Omega$ , unbalanced, 2 RCA jacks (Stereo summing)   |
| Output                    | Speaker output: CH 1-4: 70V (20 $\Omega$ ), 100V (40 $\Omega$ ), removable terminal block; Line output: CH 1-4: 0dB*, 600 $\Omega$ , unbalanced, RCA jack; MOHoutput: 0dB*, 600 $\Omega$ , transformer balanced, removable terminal block  |
| DSP Preset                | 16 presets in 4 banks at each output channel, selectable   |
| Muting                    | Manual mute / Automatic mute   |
| Mute Hold Time            | 50ms - 10 seconds, adjustable  |
| Control                   | POWER: ON/OFF switch, Power remote terminal;<br>PRIORITY 1-2: MIC/LINE selector switch, Gain Control, Assign Switch, Mute sense control, Manual mute terminal, Mute hold time control, Priority mix switch;<br>Line In 1-4: Gain Control, Assign restriction switch;<br>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<br>Remote 1-4: Remoted control connector (RJ45), Remote link switch |
| Priority                  | PRIORITY 1 > PRIORITY 2 >LINE 1-4  |
| Operating Temperature     | 0°C - 40°C (32 - 104 °F)   |
| Operating Humidity        | 35% to 80%RH (no condensation)   |
| Finish                    | Panel: Aluminum, hairline, black;<br>Case: Steel plate, black, paint   |
| Dimensions                | 420(W) x 107.6(H) x 350(D) mm<br>(16.54" x 4.24" x 13.78")   |
| Weight                    | 7.6kg (16.7 lbs)   |
| Included Accessories      | Power cord (2m) x 1, Removable connectors (5P x 2pcs, 2P x 4pcs); Rack mount bracket x 2pcs, Screws x 4pcs, User Manual x 1  |
| Optional Accessories      | Wall panel : WP-700  |

Product rear image



## A&E specifications

Matrix amplifier with 6 audio inputs and 4 power amplifiers, designed as a desktop device or for installation in 19 " cabinet rack. Each amplifier can be assigned to one of four sound sources and adjusted in volume. Smart Control for browser based wireless remote control . up to two optional remote microphone for paging with zone selection