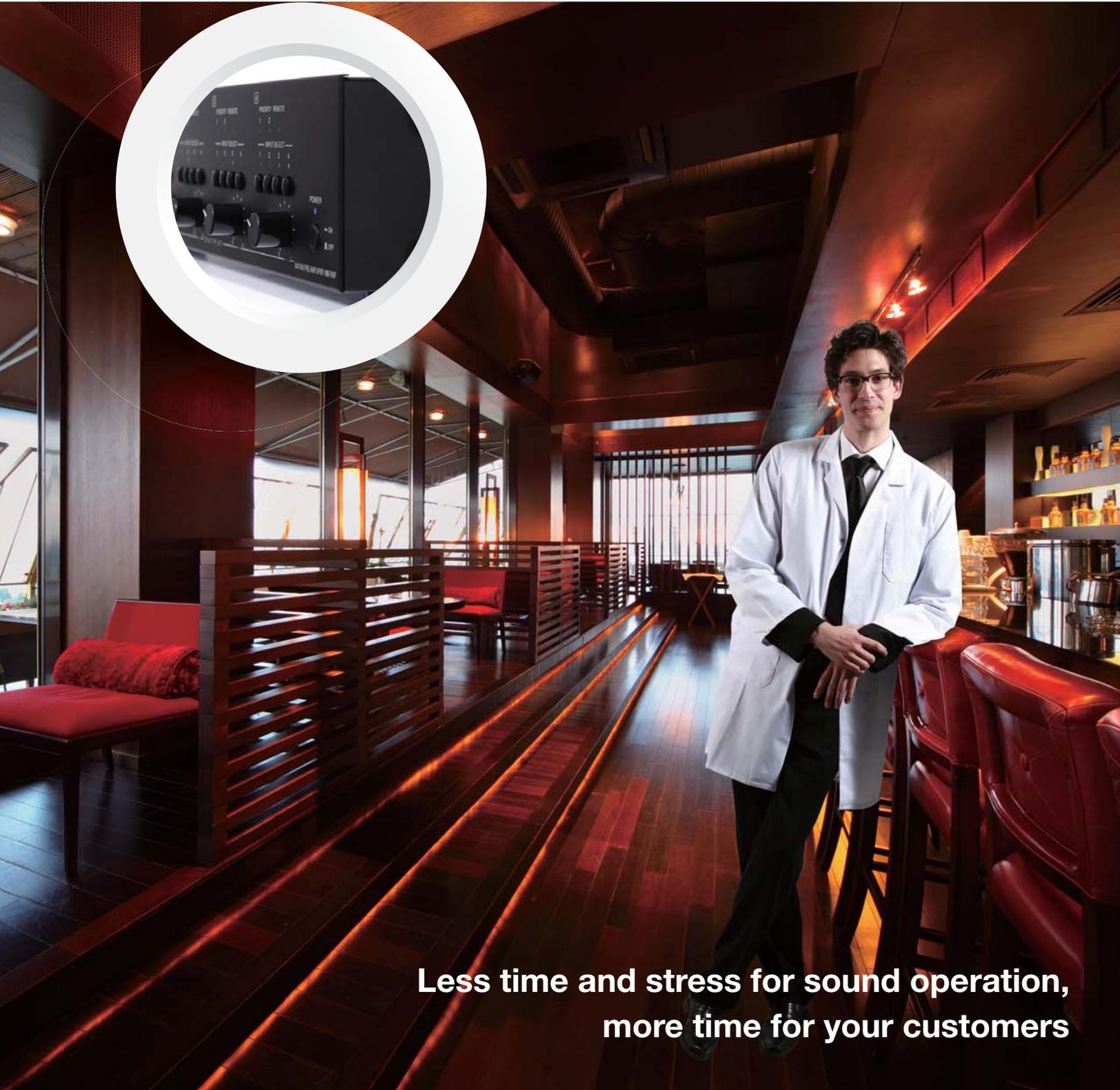




MA-725F

Matrix Amplifier



**Less time and stress for sound operation,
more time for your customers**

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



MA-725F

FEATURES

- 4 stereo-summing line inputs with matrix routing to 4 amplifier outputs.
- Each line input has input level adjustment and 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 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.
- Each output channel also has auxiliary line output to deliver audio to other systems.
- This matrix doesn't need any PC programming or network connection for setup at site. (Maintenance purpose only)
- Optional wall mount remote control, WP-700 can be connected via CAT-5 straight LAN cable to control the line input selection and output volume of each output.
- Class-D amplifier has various protection features against over current, high temperature and short circuit of speaker lines at each output channel.(*)
- Power supply with Power Factor Correction for reduced power consumption and world-wide operating range.(*)
- Option: WP-700-AM Wall Panel

(*) MA-725F only

*0dB=1V

SPECIFICATIONS		MA-725F-AM	MM-700F-AM
Power Source		100 - 240V AC, 50/60Hz	
Power Consumption		1350 W (rated output), 200 W (based on cULus standards), 42.5 W (idle), 22 W or less (stand-by)	9 W or less
Frequency Response		20Hz - 20 kHz (-3 dB / + 1 dB, LPF OFF)	20Hz - 20 kHz (-3 dB / + 1 dB)
Total Harmonic Distortion		1% or less, at 1kHz, rated output	
Certifications		cULus 60065, EN60065, EN55032, EN55020, FCC part15 class A	
Input	Priority 1-2:	Mic -60 dB/Line -10 dB* selectable, 2.2 kΩ, electronically-balanced, removable terminal block	
	Line In 1-4:	-10 dB*, 10 kΩ, unbalanced, 2 RCA jacks (Stereo summing)	
Output	Speaker 1-4:	70 V (20 Ω), 100 V (40 Ω), removable terminal block	--
	Line Out 1-4:	0 dB*, 600 Ω, unbalanced, RCA jack	0 dB*, 600 Ω, unbalanced, removable terminal block
	MOH:	0 dB*, 600 Ω, transformer balanced, removable terminal block	
DSP Preset		16 presets in 4 banks at each output channel, selectable	
S/N Ratio		Mic: 60 dB* or more, Line: 75 dB* or more (A-weighted)	
Muting		Manual mute / Automatic mute	
Mute Hold Time		50ms - 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	
Dimension		420 (W) x 107.6 (H) x 350 (D) mm (16.54" x 4.24" x 13.78")	
Weight		7.6 kg (16.7 lbs)	5.7 kg (12.3 lbs)
Accessories		Power cord (2m (5.65ft)) 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-AM	



Optional Accessories

- **WP-700-AM: Remote Control Panel** [A remote control switch/volume panel designed to be used with the MA-725F or MM-700F amplifiers. Provides remote select input source and adjusts volume levels through an Ethernet cable. It can be mounted in a 1-gang electrical box.]