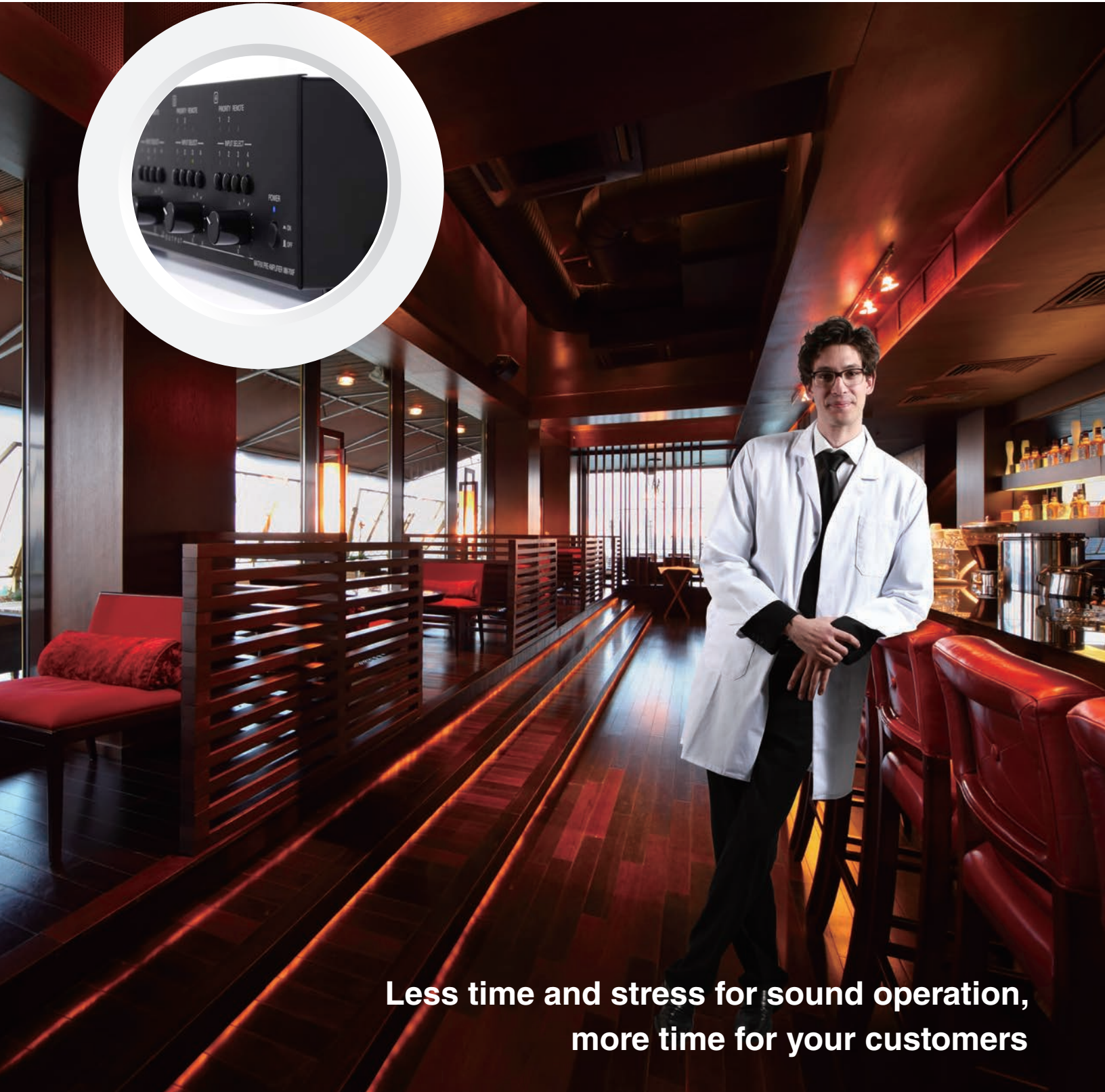




MA-725F

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.(*)

(*) MA-725F only

SPECIFICATIONS	MA-725F
POWER SOURCE	100 - 240V AC, 50/60Hz
POWER COMSUMPTION	1350 W (rated output), ~200 W (based on cULusstandards), 42.5 W (idle)
FREQUENCY RESPONSE	SPEAKER OUT: 20Hz - 20 kHz (+-1.5 dB, LPF OFF), LINE OUT: 20Hz - 20 kHz (+-1.5 dB)
T.H.D.+N	1% or less, at 1kHz, rated output
CERTIFICATIONS	cULus 60065, EN60065, EN55032, EN55020, FCC part15 class A
INPUT	Priority input: PRIORITY 1-2: Mic -60dB/Line -10dB selectable, 2.2kOhms, electronically-balanced, removable terminal block; AUDIO input: LINE 1-4: -10dB, 10k Ohms, unbalanced, 2 RCA jacks x4 pairs (Stereo summing)
RATED OUTPUT POWER	250W x 4 channel: 70V line (20Ohms) / 100V line(40 Ohms)
OUTPUT	Speaker output: CH 1-4: 70V (20Ohms), 100V (40Ohms), removable terminal block (2P x4); Line output: CH 1-4: 0dB*, 600Ohms, unbalanced, RCA jack x4; MOH output 0dB*, 600Ohms, transformer balanced, removable terminal block (3P x1)
SPEAKER EQ	Selectable 16 presets x4 banks, Each preset has 8 Filters ,each Filter is PEQ/HPF/LPF selectable
S/N RATIO	Mic: 60 dB or more, Line: 75dB 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: Power switch (Push switch, delayed operation), Power remote terminal (removable terminal block); PRIORITY 1-2: Input level selector (Dip SWx1-REAR), Gain control (Recessed potentiometer-REAR) Output assign (Dip SWx4-REAR), Mute sense (Potentiometer-REAR) Manual mute (removable terminal block-REAR), Mute hold time (Potentiometer -REAR) Priority mix (Slide SW-REAR); LINE 1-4: Gain control (Recessed potentiometer-REAR), Output prohibition (Dip SWx4-REAR); OUTPUT 1-4:AUDIO selector (Push button x4 x4-FRONT), Output volume (Normal volume knob x4-FRONT) 70V / 100V (Slide SWx4 -REAR), High pass filter (Slide SWx4 -REAR) Speaker EQ bank(Dip SWx2-REAR), Speaker EQ (Recessed rotary encoder-REAR); REMOTE 1-4: Wall panel connection (RJ-45-REAR, for AUDIO selectionand Output volume attenuation) Remote link (Slide SW x2-REAR)
INDICATORS	POWER: Power LED (Brue-FRONT); PRIORITY 1-2: Signal (Green); LINE 1-4: Signal (Green); OUTPUT 1-4: Priority LED (Green x2 x4-FRONT), REMOTE LED (Yellow x1 x4-FRONT), LINE 1-4 LED (Green x4 x4-FRONT), Signal LED (Green x1 x4-FRONT), Peak LED (Red x1 x4-FRONT), Protect LED (Red x1 x4-FRONT)
OPERATING TEMPERATURE	0 - 40 C degree (32 - 104 F)
OPERATING HUMIDITY	35% to 80%RH (no condensation)
FINISH	Panel: Aluminum black; Case: Steel plate, black, paint
DIMNSIONS	420(W) x 107.6(H) x 350(D) mm (16.54" x 4.24" x 13.78")
WEIGHT	7.6kg (16.7 lbs)
ACCESSORIES	Power cord, Removable connectors (5P x 2pcs, 2P x 4pcs); Rack mount bracket x 2pcs, Screws x 4pcs
OPTION	Wall panel : WP-700

*0dB=1V

Specifications are subject to change without notice.

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