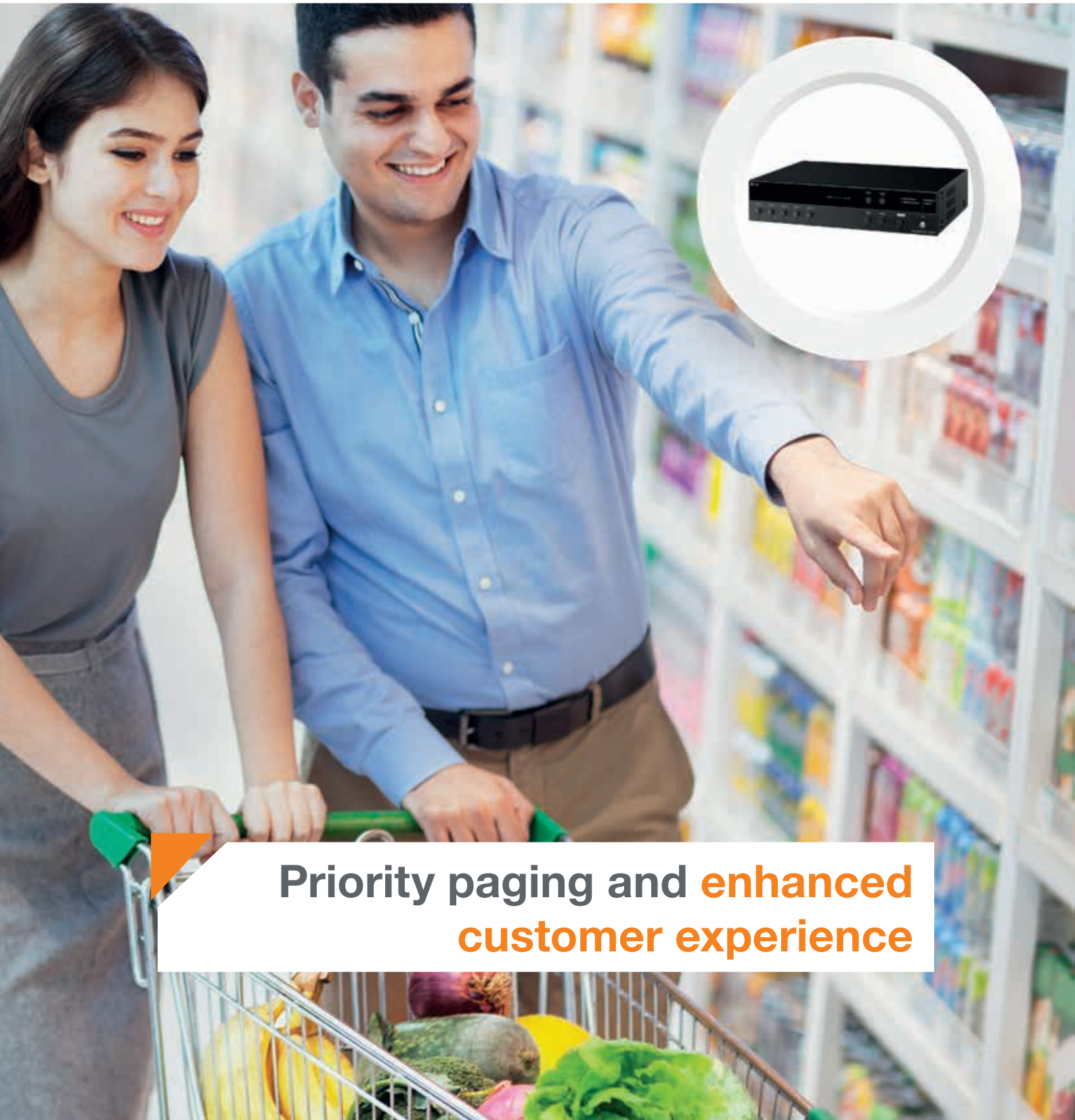
TOA

A-3500D Series

Digital Mixer Amplifier



Priority paging and enhanced customer experience

High-quality sound and intelligible announcements for your customer's comfort.

The A-3500D series is an compact 2-zone amplifier that has the all required functions of a public address system. As local amplifier within a voice alarm system, the priority pagings and emergency announcements are delivered overriding the local sound. Your audience will never miss important notifications or voice announcements.

To enhance customer experience the right acoustics in high quality are an important factor in creating a unique atmosphere in shops and other locations open to the public. After all, music creates a distinctive environment where you can perfect present your products and make your customers enjoy their stay.

The A-3500D series is suited for broadcasting pagings or background music in retail shops, educational facilities, bars, restaurants, offices and houses of worship.

Crystal clear announcements and high sound quality, the A-3500D public address amplifier is equipped with 5 audio inputs, zone selector for 2 zones, high and low impedance, broadcasting priority and emergency paging via control input.

The digital amplifier is energy efficient, eco-friendly and cost-effective.





You need more than PA and background music?

From simple audio sound to highly sophisticated site supervision – our sound and voice alarm systems are exceptionally versatile and reliable. For example, in addition to superb audio quality, our systems also provide a safe environment for the public.

But not enough – our services for you also include:

- Custom planning
- Flexible sound concepts
- Long-standing expertise
- Wide range of products
- Reliable products

AT A GLANCE

- A-3500D series is dedicated to high-quality background music, paging and broadcasting
- 2 zones class D mixer amplifier
- Available in 60W, 120W, 240W and 480W
- 5 audio inputs
- Emergency and priority broadcast via control input
- High and low impedance: switchable speaker output, 8Ω and 100V
- Output level meter







THE RIGHT POWER OUPUT FOR YOUR PROJECT

Choice of four power outputs from 60W to 480W

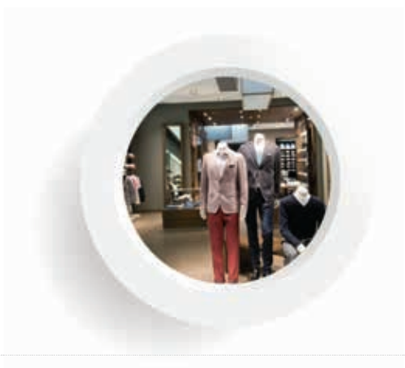
You have maximum flexibility with four different power outputs: The A-3500D series offers the right performance for every project. The amplifiers are available in 60W, 120W, 240W and 480W to suit any application.

PRIORITY BROADCAST

Audience never miss important announcements:

Prioritized audio input mutes other audio signals using either control signal or audio detection as a trigger. The audience will hear intelligible voice announcements or other important notifications.





EMERGENCY BROADCAST

Perfect choice for retail tenants

A-3500D amplifier can be a local amplifier integrated with a building-wide voice alarm system. As the amplifier receives the emergency signal, which can automatically override the local sound, emergency messages will be delivered at the maximum level regardless of master output volume settings.

COST-EFFECTIVE, ENERGY EFFICIENT AND ECO-FRIENDLY

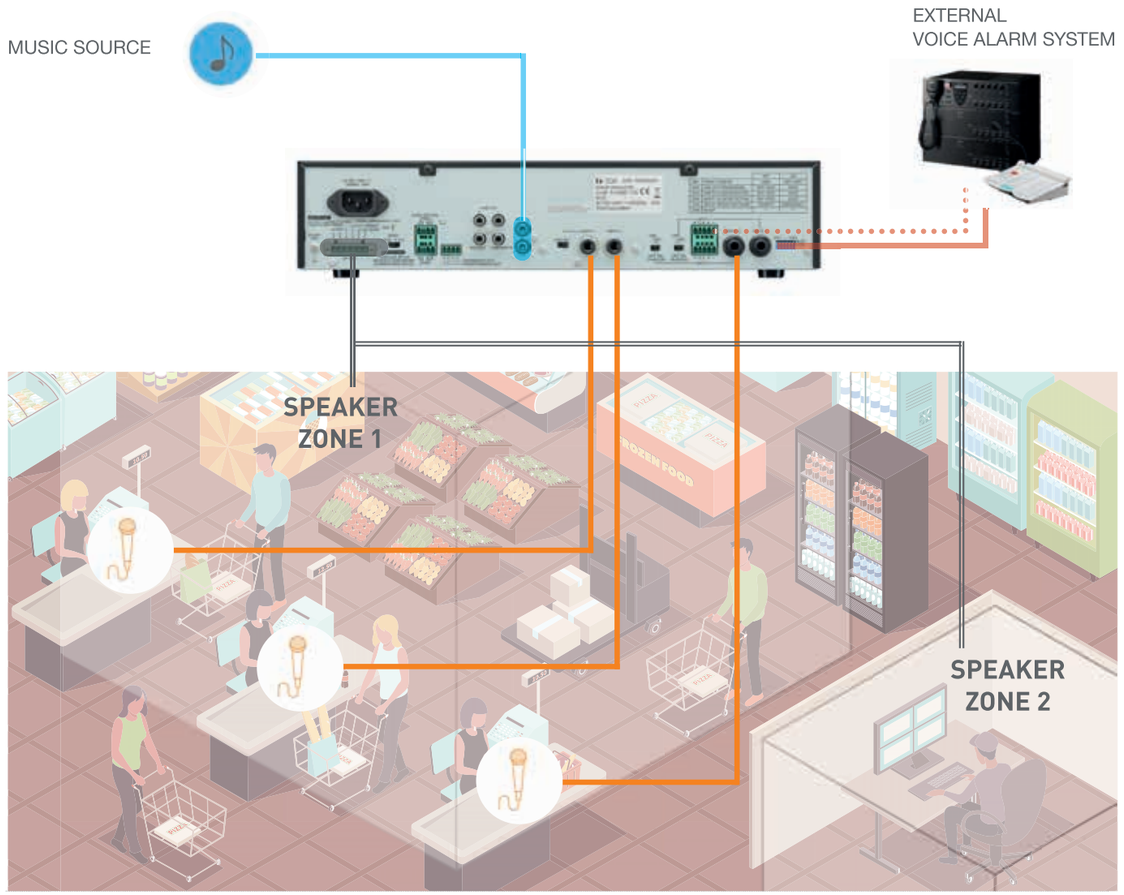
Energy efficient and eco-friendly due to digital technology: Cost savings at an optimal price/performance ratio : 80% power savings at highest performance and 70 % weight reduction saves transportation costs and thus reduces CO^2 emissions.



SYSTEM EXAMPLE : SUPERMARKET

The A-3500D series is a PA amplifier with emergency and priority paging, equipped with 3 MIC/LINE inputs, 1 MIC input, 1 AUX (music source) input, and 2-channel speaker zone selectors.

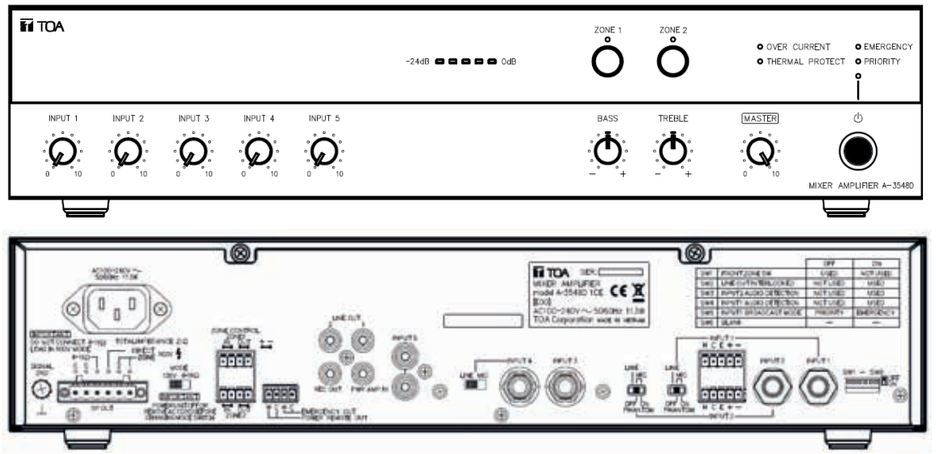
It is ideal for paging announcements and background music applications in supermarkets, schools, offices, and factories. High-quality background music and importatnt paging on dedicated zone make visitors feel comfortable and enhance the customer experience.



A-3500D Digital Mixer Amplifier /Specifications



	A-3506D	A-3512D	A-3524D	A-3548D
Power Source	100 to 240 V AC, 50/60 Hz			
Rated Output	60W	120 W	240 W	480 W
Power Consumption	96 W (rated output), 40 W (based on EN62368)	171 W (rated output), 48 W (based on EN62368)	314 W (rated output), 70 W (based on EN62368)	601 W (rated output), 113 W (based on EN62368)
Current Consumption	200 mA or less (when power switch is OFF)			
Frequency Response	50 Hz to 20 kHz ±3 dB (1/8 rated output)			
Distortion	1 % or less at 1 kHz, rated power (20 kHz LPF (AUX-0025))			
Tone Control	Bass: ±10 dB at 100 Hz Treble: ±10 dB at 10 kHz			
Signal to Noise Ratio	88 dB or more (Master volume: min) 76 dB or more (Master volume: max) 55 dB or more (INPUT 1 to 4) 72 dB or more (INPUT 5) (A-weighted)			
Audio Input				
INPUT 1, 2	-60 dB* (MIC)/-20 dB* (LINE) selectable, 600 Ω, electronically-balanced, removable terminal block (3.81 mm, 5 pins)/ Ø6.3 mm phone jack (2P) Note: MIC inputs are equipped with phantom power (24 V DC, ON/OFF switchable).			
INPUT 3	-60 dB*, 600 Ω, electronically-balanced, Ø6.3 mm phone jack (2P)			
INPUT 4	-60 dB* (MIC)/-20 dB* (LINE) selectable, 600 Ω, electronically-balanced, Ø6.3 mm phone jack (2P)			
INPUT 5	-20 dB*, 10 kΩ, unbalanced, RCA pin jack x 2			
Power Amplifier Input	0 dB*, 600Ω, unbalanced, RCA pin jack			
Audio Output				
SPEAKER OUT	Low impedance (8 to 16 Ω)/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 170 Ω) (ZONE 1/ZONE 2 is select-able, Max. 60 W per output)	Low impedance (4 to 16 Ω)/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 83 Ω) (ZONE 1/ZONE 2 is select-able, Max. 120 W per output)	Low impedance (4 to 16 Ω)/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 42 Ω) (ZONE 1/ZONE 2 is selectable, Max. 240 W per output)	Low impedance (4 to 16 Ω)/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 21 Ω) (ZONE 1/ZONE 2 is select-able, Max. 480 W per output)
	Removable terminal block (5.00 mm, 6 pins)			



	A-3506D	A-3512D	A-3524D	A-3548D

REC OUT	0 dB *, 600 Ω, unbalanced, RCA pin jack	
LINE OUT 1, 2	0 dB *, 600 Ω, unbalanced, RCA pin jack (Interlock with zone selection is possible.)	
Control Input		
CONTROL IN	2 channels, no-voltage make contact input, open voltage: 35 V DC or less, short-circuit current: 10 mA or less, removable terminal block (3.81 mm, 5 pins)	
ZONE CONTROL IN	No-voltage make contact input, open voltage : 35 V DC or less, short-circuit current:10 mA or less, removable terminal block (3.81 mm, 4 pins)	
Control Output		
POWER REMOTE OUT	Open collector output, withstand voltage: 30 V DC or less, control current: 25 mA or less, removable terminal block (3.50 mm, 4 pins)	
EMERGENCY OUT	Open collector output, withstand voltage: 30 V DC or less, control current: 25 mA or less, removable terminal block (3.50 mm, 4 pins)	
ZONE CONTROL OUT	Open collector output (polarized), withstand voltage: 30 V DC or less, control current: 25 mA or less, removable terminal block (3.81 mm, 4 pins)	
Indicators	5-point LED level meter, Power indicator, Priority broadcast indicator, Emergency broadcast indicator, Thermal protection indicator, Over-current protection indicator, and Zone indicator (1, 2)	
Operating Temperature	-10 to +40 ℃ (14 to 104 ℉)	
Operating Humidity	85 % RH or less (no condensation)	
Finish	Panel: ABS resin, black Case: Surface-treated steel plate, black, paint	
Dimensions	420 (w) x 96.1 (h) x 313.1 (d) mm or 16,54" x 3.78" x 12.33"	
Weight	4.9 kg (10.08 lb)	5.1 kg (11.24 lb)
Accessories	Power cord (2m (6.56 ft)) ----------1 Audio input removable terminal plug (3.81 mm, 5 pins) --------2 Control I/O removable terminal plug (3.81 mm, 4 pins) ---------2 Remote control removable terminal plug (3.50 mm, 4 pins) ----1 Speaker out removable terminal plug (5.00 mm, 6 pins) --------1 Volume control cover ----------4	
Optional products	Rack mounting bracket: MB-25B, Perforated panel: PF-013B	

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Specifications are subject to change without notice.
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