



# Digital Mixer Amplifier

## A-3500D Series







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.



## COST-EFFECTIVE AMPLIFIER

The A-3500D series is an entry-level amplifier that has the minimum functions required for daily operations. With the right selection of rated output for an installation location, you will have even more cost-effective public address system.

480W

240W

120W

60W

## PRIORITY BROADCAST

# AUDIENCE NEVER MISS IMPORTANT NOTIFICATIONS

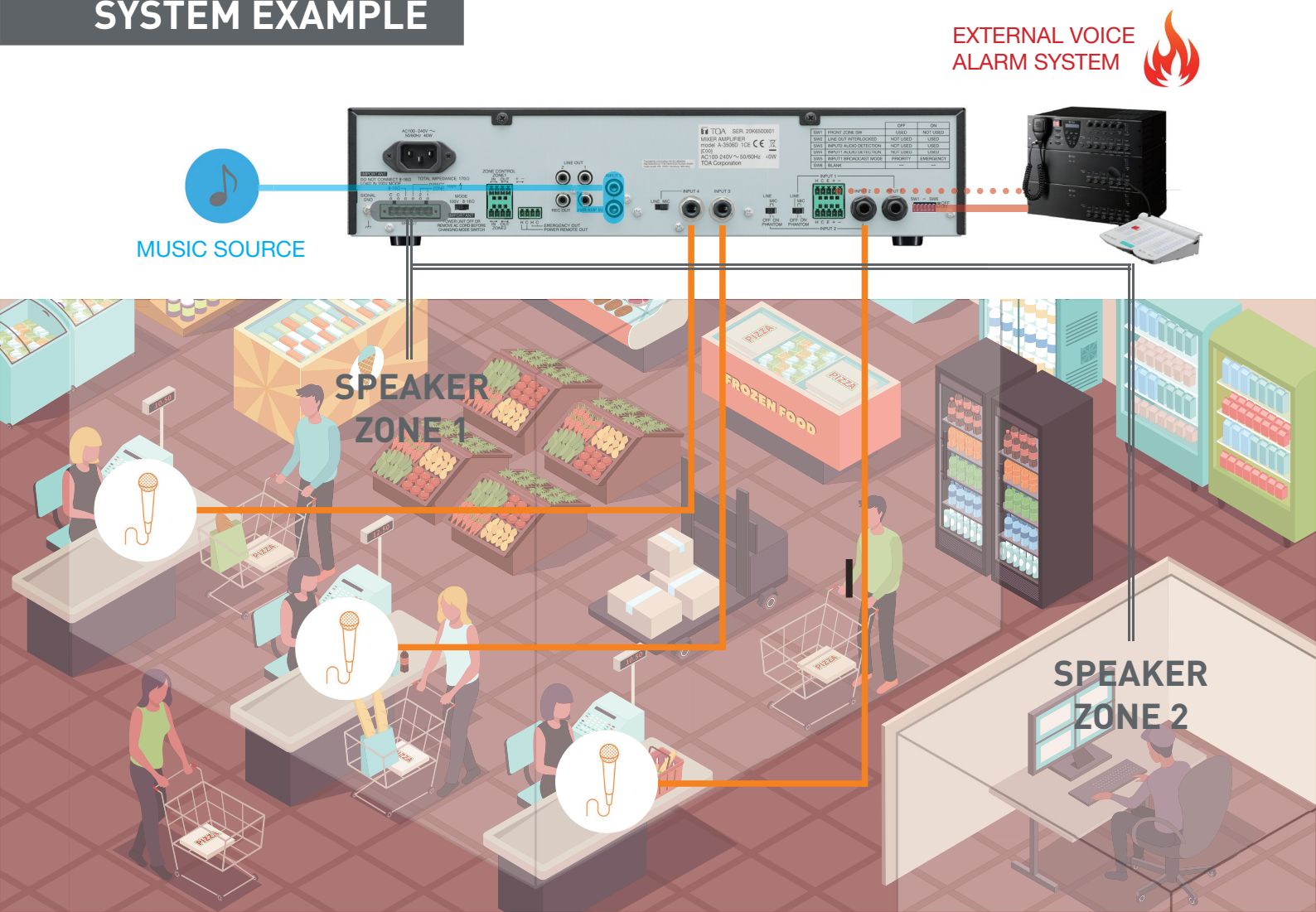
Prioritized audio input mutes other audio signals using either control signal or audio detection as a trigger. The audience will hear intelligible voice announcements or other important notifications.

## 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.

## EMERGENCY BROADCAST

### SYSTEM EXAMPLE



# 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),<br>40 W (based on EN62368)   | 171 W (rated output),<br>48 W (based on EN62368)   | 314 W (rated output),<br>70 W (based on EN62368)   | 601 W (rated output),<br>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<br>Treble: ±10 dB at 10 kHz  |  |  |  |
| Signal to Noise Ratio | 88 dB or more (Master volume: min)<br>76 dB or more (Master volume: max)<br>55 dB or more (INPUT 1 to 4)<br>72 dB or more (INPUT 5)<br>(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)<br>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<br>(8 to 16 Ω)/<br>High impedance<br>(DIRECT, ZONE 1/ZONE 2:<br>100 V/total 170 Ω)<br>(ZONE 1/ZONE 2 is selectable,<br>Max. 60 W per output)  | Low impedance<br>(4 to 16 Ω)/<br>High impedance<br>(DIRECT, ZONE 1/ZONE 2:<br>100 V/total 83 Ω)<br>(ZONE 1/ZONE 2 is selectable,<br>Max. 120 W per output) | Low impedance<br>(4 to 16 Ω)/<br>High impedance<br>(DIRECT, ZONE 1/ZONE 2:<br>100 V/total 42 Ω)<br>(ZONE 1/ZONE 2 is selectable,<br>Max. 240 W per output) | Low impedance<br>(4 to 16 Ω)/<br>High impedance<br>(DIRECT, ZONE 1/ZONE 2:<br>100 V/total 21 Ω)<br>(ZONE 1/ZONE 2 is selectable,<br>Max. 480 W per output) |
|                       | Removable terminal block (5.00 mm, 6 pins)  |  |  |  |
| REC OUT               | 0 dB *, 600 Ω, unbalanced, RCA pin jack   |  |  |  |
| LINE OUT 1, 2         | 0 dB *, 600 Ω, unbalanced, RCA pin jack<br>(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 °C (14 to 104 °F)  |  |  |  |
| Operating Humidity    | 85 % RH or less (no condensation)   |  |  |  |
| Finish                | Panel: ABS resin, black<br>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<br>Audio input removable terminal plug (3.81 mm, 5 pins) -----2<br>Control I/O removable terminal plug (3.81 mm, 4 pins) -----2<br>Remote control removable terminal plug (3.50 mm, 4 pins) ----1<br>Speaker out removable terminal plug (5.00 mm, 6 pins) -----1<br>Volume control cover -----4 |  |  |  |
| Optional products     | Rack mounting bracket: MB-25B, Perforated panel: PF-013B  |  |  |  |

\* 0 dB = 1 V