



# A-3600D Series

Digital Mixer Amplifier



Sounds good: **high-quality background music and paging**

## Ensure important paging and enhance customer experience with intelligible announcements and high-quality sound.

A-3600D Series Digital Mixer Amplifier provide maximum flexibility with up to seven inputs and up to 480 W of power for two zones. Browser based control and monitoring from anywhere reduces your time control and adjusting systems.

Feedback suppressor, input priorities, a sleek new appearance, and TOA's legendary quality and reliability makes this a perfect fit for background and foreground music, paging, and noise masking applications.

The A-3600D series is suited for broadcasting pagings or background music in retail shops, educational facilities, bars, restaurants, offices, houses of worship and factories.

Crystal clear announcements and high sound quality, the A-3600D public address amplifier is equipped with seven audio inputs, zone selector for two zones, high and low impedance, broadcasting priority and emergency paging via control input.

The digital technology makes this amplifier 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





## A-3600D Digital Mixer Amplifier / Benefits

### KEY FEATURES AT A GLANCE

- Selection of four power output amplifier: 60W (A-3606D), 120W (A-3612D), 240W (A-3624D), 480W (A-3648D)
- TOA 2-zone class D amplifiers for maximum efficiency
- Feedback Suppressor (Dynamic feedback filters)
- Speaker EQ (3 points equalizer)
- Assignable input priorities
- Built-in pre-announce chime
- IP protocol available



### WEB BROWSER INTERFACE

Connect the A-3600D Digital Mixer Amplifier to a network to access the onboard browser interface. Static or Dynamic Host Configuration Protocol address assignment may be used.

#### Browser Interface allows access to:

- Account ID (Username and Password) settings
- System status, including real time display of input and output levels
- Input priority settings
- Speaker EQ settings (3 points equalizer)
- Firmware updates

#### System requirements

- PC running Windows 10 (64-bit)
- Supported browsers: Microsoft Edge™\*, Google Chrome™\*\*, and Mozilla Firefox™\*\*\*

#### Notes:

- \* Microsoft Windows, Microsoft Edge, and Microsoft Explorer are registered trademarks of Microsoft Corporation.
- \*\* Google Chrome is a registered trademark of Google LLC
- \*\*\* Mozilla and Firefox are registered trademarks of the Mozilla Foundation.



### REMOTE CONTROL

A web browser interface allows you to view input and output levels and amplifier status from your office location. A quick check can verify the need to dispatch a technician.



## A-3600D Digital Mixer Amplifier / Benefits

### REMOTE VOLUME CONTROL

You can adjust the speaker volume either by the physical controls on the front panel of amplifier, by the optional remote volume controller, or on web browser.

IP control protocol is also available for further integrations and developments.



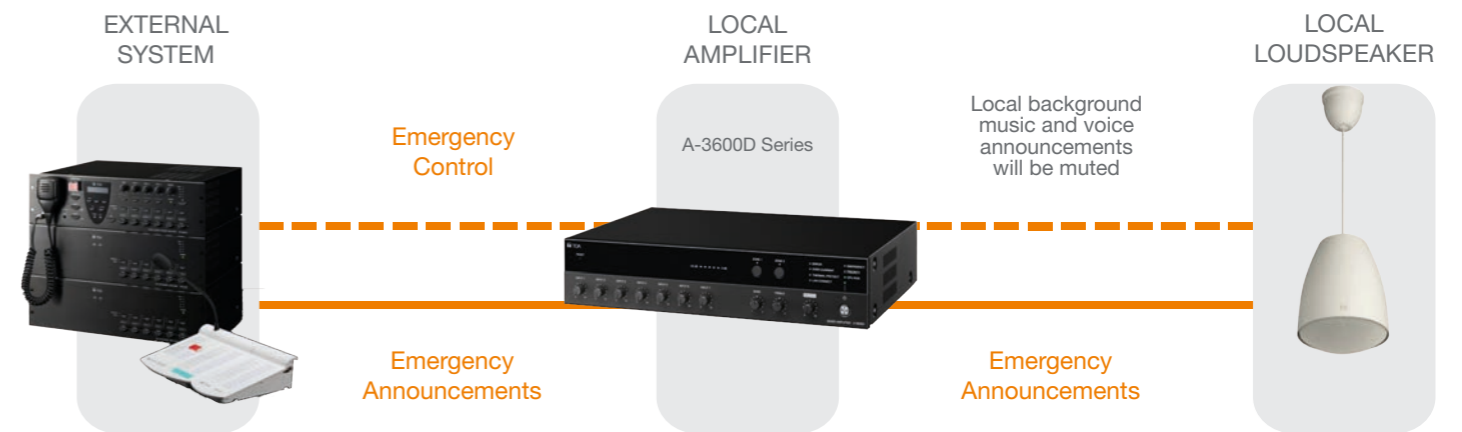
Open / close the store at a touch\*

Volume adjustment on site \*

\* IP protocols are available to develop a combined user interface including sound system, air conditioning system, and lighting system.

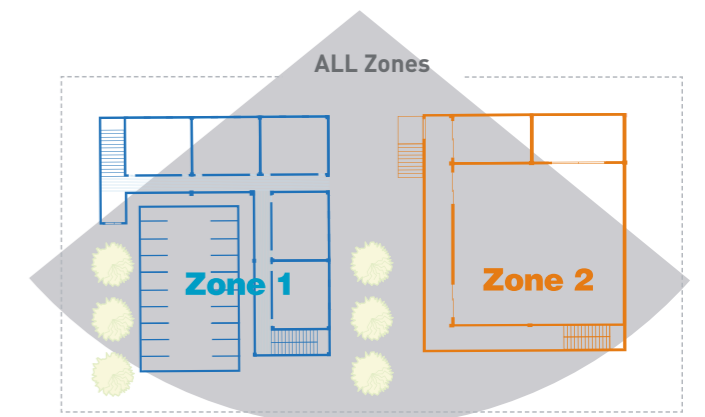
### EMERGENCY VOICE ANNOUNCEMENT

Integrate an external system to mute or override local sound. When the unit is set to override local sound, the broadcast is made at maximum level, regardless of output volume settings.

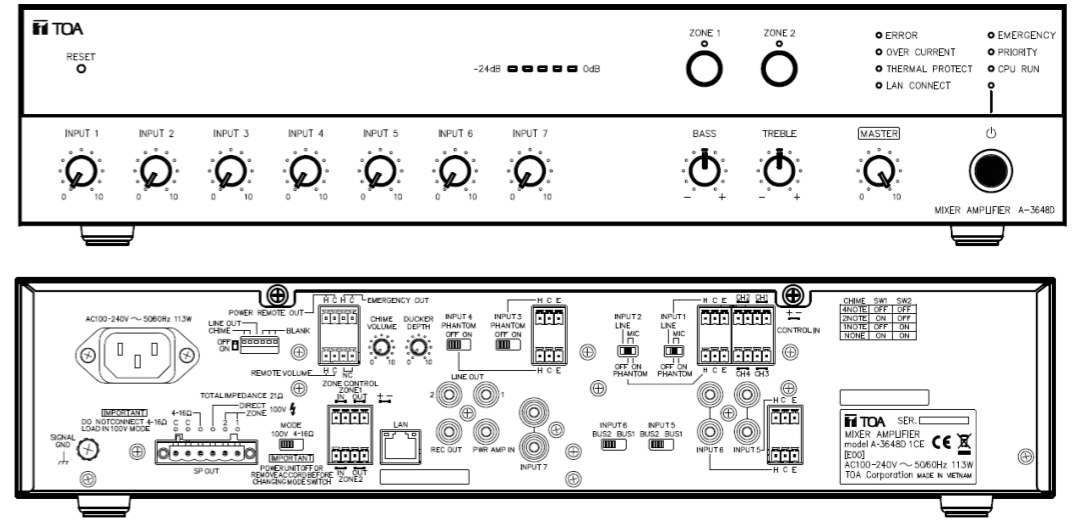
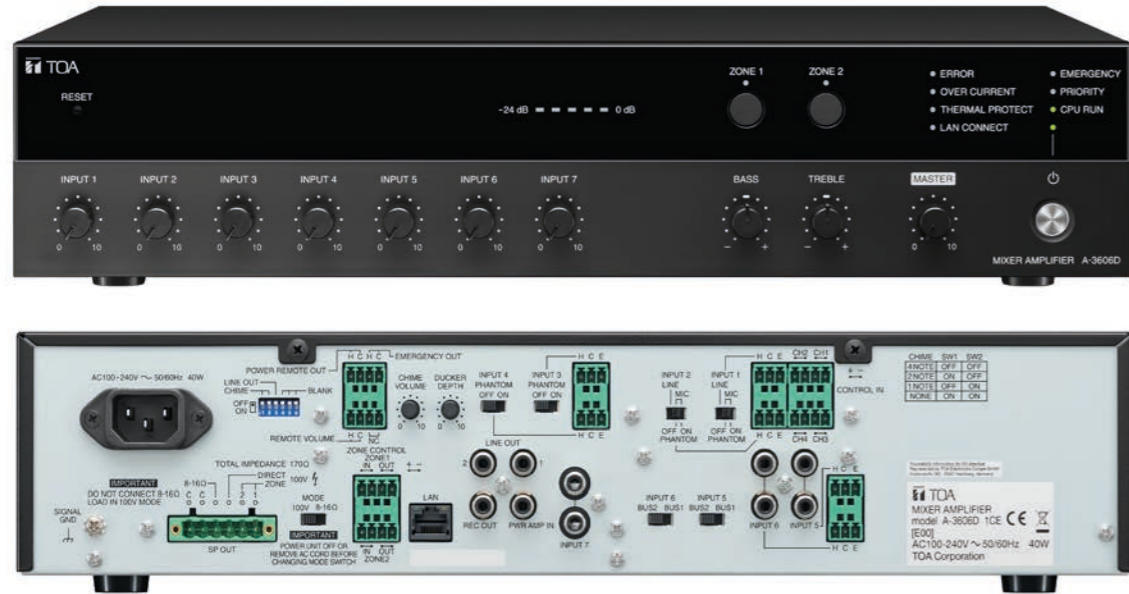


### TWO ZONE COVERAGE

A-3600D Series Digital Mixer Amplifiers feature two speaker zones to which broadcasts can be sent independently or combined as desired. Emergency broadcasts will be heard in both zones.



# A-3600D Digital Mixer Amplifier / Specifications



	A-3606D	A-3612D	A-3624D	A-3648D
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 $\pm 3$ dB (1/8 rated output)			
Distortion	1 % or less at 1 kHz, rated power (20 kHz LPF (AUX-0025))			
Tone Control	Bass: $\pm 10$ dB at 100 Hz Treble: $\pm 10$ 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 6) 72 dB or more (INPUT 7) (A-weighted)			
Audio Input				
INPUT 1, 2	-60 dB* (MIC)/-20 dB* (LINE) selectable, 600 $\Omega$ , electronically-balanced, removable terminal block (3.81 mm, 3 pins) Note: MIC inputs are equipped with phantom power (24 V DC, ON/OFF switchable).			
INPUT 3, 4	-60 dB*, 600 $\Omega$ , electronically-balanced, removable terminal block (3.81 mm, 3 pins) Note: Equipped with phantom power (24 V DC, ON/OFF switchable).			
INPUT 5, 6	MIC (BUS 1)/LINE (BUS 2) selectable MIC: -60 dB*, 600 $\Omega$ , electronically-balanced, removable terminal block (3.81 mm, 3 pins) LINE: -20 dB*, 10 k $\Omega$ , unbalanced, RCA pin jack x 2			
INPUT 7	-20 dB*, 10 k $\Omega$ , unbalanced, RCA pin jack x 2			
Power Amplifier Input	0 dB*, 600 $\Omega$ , unbalanced, RCA pin jack			
Input Bus				
INPUT 1 to 4	BUS 1			
INPUT 5, 6	BUS 1/BUS 2 selectable			
INPUT 7	BUS 2			
Audio Output				

	A-3606D	A-3612D	A-3624D	A-3648D
SPEAKER OUT	Low impedance (8 to 16 $\Omega$ )/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 170 $\Omega$ ) (ZONE 1/ZONE 2 is select- able, Max. 60 W per output)	Low impedance (4 to 16 $\Omega$ )/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 83 $\Omega$ ) (ZONE 1/ZONE 2 is select- able, Max. 120 W per output)	Low impedance (4 to 16 $\Omega$ )/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 42 $\Omega$ ) (ZONE 1/ZONE 2 is selectable, Max. 240 W per output)	Low impedance (4 to 16 $\Omega$ )/ High impedance (DIRECT, ZONE 1/ZONE 2: 100 V/total 21 $\Omega$ ) (ZONE 1/ZONE 2 is select- able, Max. 480 W per output)
REC OUT	Removable terminal block (5.00 mm, 6 pins)			
LINE OUT 1, 2	0 dB *, 600 $\Omega$ , unbalanced, RCA pin jack (Interlock with zone selection is possible.)			
Control Input				
CONTROL IN	4 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, 4 pins)			
REMOTE VOLUME	Removable terminal block (3.50 mm, 4 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, withstand voltage: 30 V DC or less, control current: 25 mA or less, removable terminal block (3.81 mm, 4 pins)			
Chime	1-note, 2-note, or ascending 4-note chime or None selectable with switch setting			
Indicators	LED level meter, Power indicator, Network connection confirmation indicator, Priority broadcast indicator, Emergency broadcast indicator, Thermal protection indicator, Over-current protection indicator, CPU running indicator, Error indicator, and Zone indicator			
Operating Temperature	-10 to +40 $^{\circ}$ C (14 to 104 $^{\circ}$ F)			
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	5 kg (11.02 lb)			5.2 kg (11.46 lb)





**We supply sound, not equipment.**  
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Specifications are subject to change without notice.  
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