



# A-2000D & A-2000DT

## Digital PA Amplifiers



Smiles  
for the  
Public



## A-2000D Series

The A-2000D & A-2000DT Series is a range of high performance digital mixer power amplifiers suited for broadcasting paging and/or background music in schools, retail shops, offices, factories, houses of worship and large function rooms.

The A-2000DT Series is pre-loaded with 6 tones that shall be triggered by dry contact (Chime, Bell, Evac, Siren, Lock Down, All Clear), specifically for education facilities which uses it for emergency evacuation announcements as well.

A-2000DT series Front View



A-2000DT series Rear View



A-2000D series Front View



A-2030D & A-2060D Rear View



A-2120D & A-2240D Rear View



\* Horn Filter Switch  
Activate high pass filter when amplifier is used with horn type speakers.

## Specification

| Model              | A-2030D                                                                                                                    | A-2060D                                                                                                                    | A-2120D                                                                                                                   | A-2240D                                                                                                                   | A-2120DT                                                                                                                  | A-2240DT                                                                                                                  |
|--------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Power Source       | 220 – 240V AC, 50/60 Hz                                                                                                    |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Rated Output       | 30W                                                                                                                        | 60W                                                                                                                        | 120W                                                                                                                      | 240W                                                                                                                      | 120W                                                                                                                      | 240W                                                                                                                      |
| Power Consumption  | 12W<br>(AC operation at 1/8 maximum output without clip)                                                                   | 16W<br>(AC operation at 1/8 maximum output without clip)                                                                   | 30W<br>(AC operation at 1/8 maximum output without clip)                                                                  | 48W<br>(AC operation at 1/8 maximum output without clip)                                                                  | 34W<br>(AC operation at 1/8 maximum output without clip)                                                                  | 48W<br>(AC operation at 1/8 maximum output without clip)                                                                  |
| Frequency Response | 50 – 20,000Hz (±3dB)                                                                                                       |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Distortion         | Under 1% at 1 kHz, 1/3 rated power                                                                                         |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Input              | MIC 1 – 3: -60dB*, 600Ω, Balanced, Phone jack<br>AUX 1, 2: -20dB*, 10 kΩ, Unbalanced, RCA pin jack                         |                                                                                                                            |                                                                                                                           |                                                                                                                           | MIC 1 – 3: -60dB*, 600Ω, Balanced, 3P XLR<br>AUX 1, 2: -20dB*, 10 kΩ, Unbalanced, RCA pin jack                            |                                                                                                                           |
| Output             | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>330Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>170Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>83Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>42Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>83Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack | Speaker out:<br>Balanced (Floating)<br>High Impedance:<br>42Ω (100V)<br>Rec out: 0 dB*, 600Ω,<br>Unbalanced, RCA pin jack |
| Tones              | -                                                                                                                          |                                                                                                                            |                                                                                                                           |                                                                                                                           | 6 tones contact trigger<br>(Chime, Bell, Evac, Siren, Lockdown, All Clear)                                                |                                                                                                                           |
| Phantom Power      | DC +21V (MIC 1)                                                                                                            |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| S/N ratio          | Over 60dB                                                                                                                  |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Tone Control       | Bass: ±10dB at 100Hz/Treble: ±10dB at 10kHz                                                                                |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Muting             | MIC 1: Mutes other input signals by 0 – 30dB attenuation                                                                   |                                                                                                                            |                                                                                                                           |                                                                                                                           | MIC 1: Mutes other input signals by 0 – 30dB attenuation<br>Tones will mute other Input Functions                         |                                                                                                                           |
| Indicator          | Power LED, Signal LED, Peak LED                                                                                            |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Dimensions         | 420 (W) × 100.6 (H) × 280.3 (D) mm                                                                                         |                                                                                                                            |                                                                                                                           |                                                                                                                           |                                                                                                                           |                                                                                                                           |
| Weight             | 4.0kg                                                                                                                      | 4.6kg                                                                                                                      |                                                                                                                           |                                                                                                                           | 4.0kg                                                                                                                     |                                                                                                                           |

\*0dB = 1V



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## DESCRIPTION

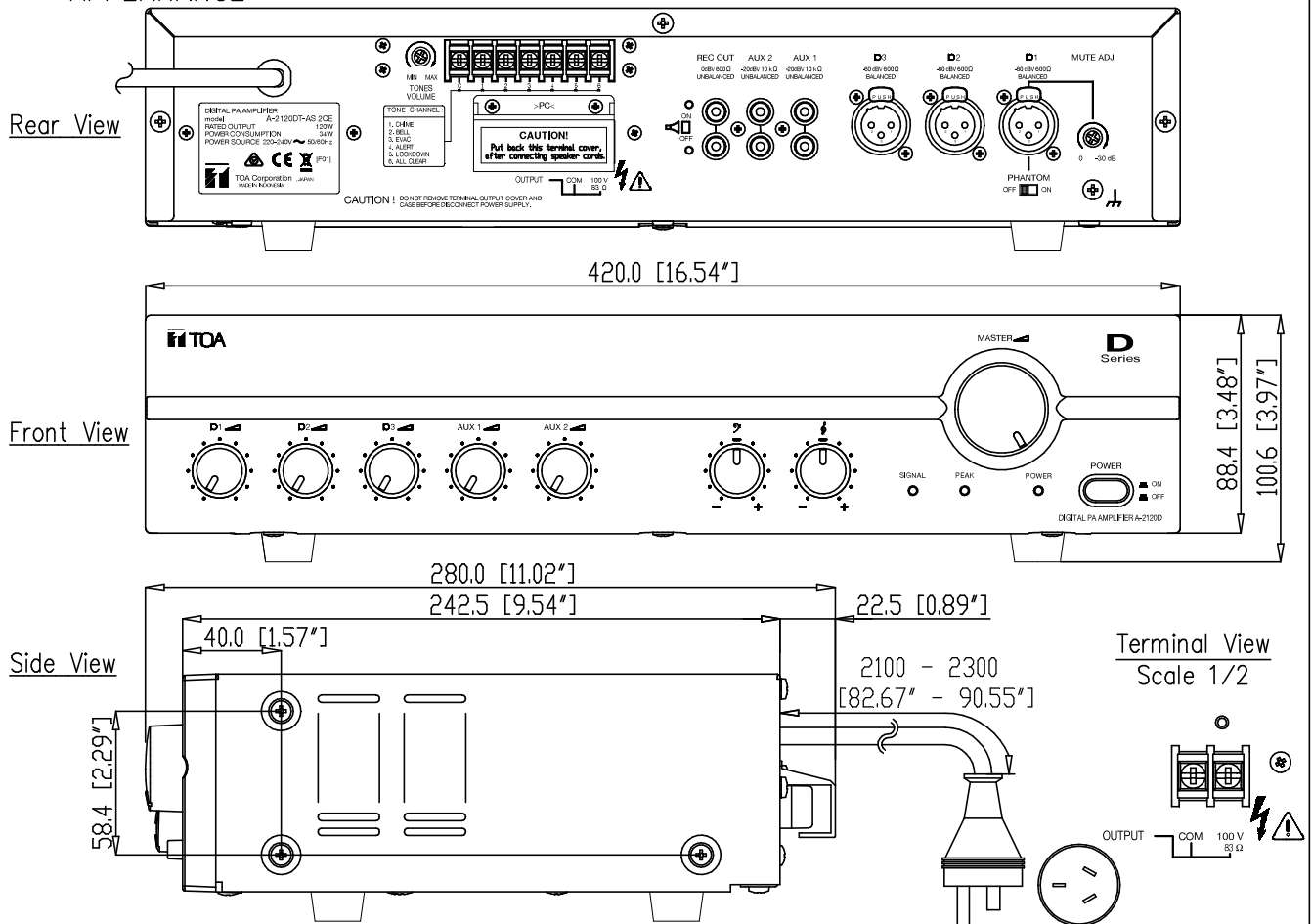
The A-2120DT-AS is a high cost-performance mixer power amplifier suited for broadcasting paging or background music in schools, offices, shops, factories, mosques, churches and large rooms.

## SPECIFICATIONS

\* 0 dB = 1 V

|                             |                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| Power Source                | 220 - 240 V ~ 50/60Hz                                                                                                                |
| Rated Output                | 120 W                                                                                                                                |
| Power Consumption (EN60065) | 34 W (AC operation at 1/8 maximum output without clip)                                                                               |
| Frequency Response          | 50 - 20,000 Hz, $\pm 3$ dB                                                                                                           |
| Distortion                  | Under 1% at 1 kHz, 1/3 rated power                                                                                                   |
| Input                       | MIC 1 - 3: -60 dB*, 600 $\Omega$ , balanced, 3P XLR<br>AUX 1 - 2: -20 dB*, 10 k $\Omega$ , unbalanced, RCA pin jack                  |
| Output                      | Speaker out: Balanced (floating)<br>High impedance: 83 $\Omega$ , (100 V)<br>Rec out: 0 dB*, 600 $\Omega$ , unbalanced, RCA pin jack |
| Tones                       | 6 Tones contact trigger (Chime, Bell, Evac, Allert, Lockdown, All Clear)                                                             |
| Phantom Power               | DC +21 V (MIC 1)                                                                                                                     |
| S/N Ratio                   | Over 60 dB                                                                                                                           |
| Tone Control                | Bass: $\pm 10$ dB at 100 Hz<br>Treble: $\pm 10$ dB at 10 kHz                                                                         |
| Muting                      | MIC 1: Mutes other input signals by 0 -30 dB attenuation<br>Tones will be mutes the other Input function                             |
| Indicator                   | Power LED, Signal LED, Peak LED                                                                                                      |
| Finish                      | Panel: ABS resin, black<br>Case: Steel plate, black                                                                                  |
| Dimensions                  | 420 (W) X 100.6 (H) X 280.3 (D) mm (16.54" X 3.96" X 11.04")                                                                         |
| Weight                      | 4.0 kg (8.88 lb)                                                                                                                     |

## APPEARANCE



UNIT : mm SCALE : 1/3