

## A-2240D-AS 1

### DIGITAL PA AMPLIFIER



The A-2000D Series is a range of high performance mixer power amplifiers suited for broadcasting paging or background music in houses of worship, schools, offices, shops and factories. Equipped with balanced microphone inputs for better isolation from external noise, compared to unbalanced inputs, the A-2000D Series is suitable for AC operation and comes with power outputs from 30 W to 240 W. It is finished with a scratch and fingerprint-resistant surface for easy handling as well as quick volume control with master volume knob.

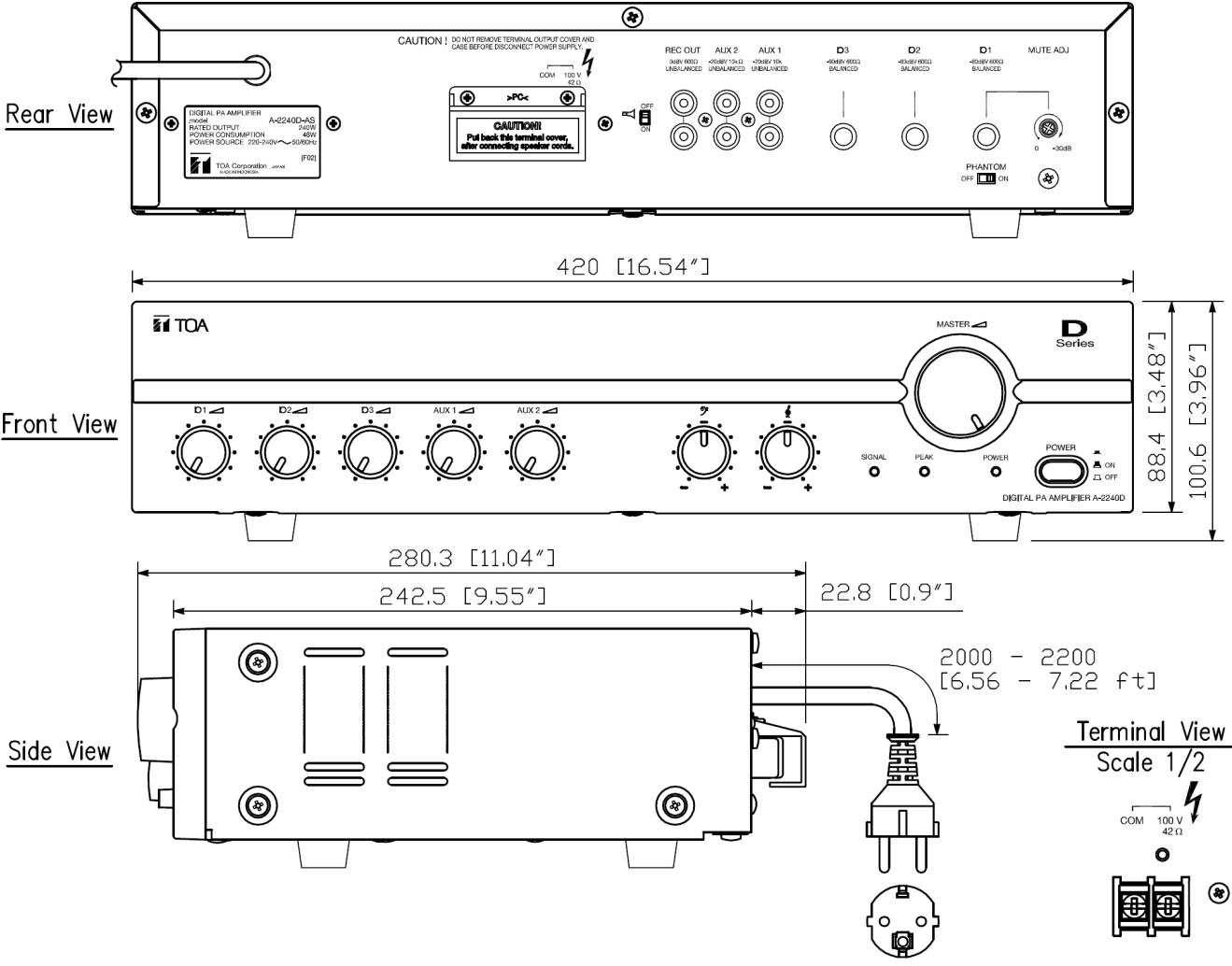
### Key features

- 3 microphone inputs, 2 AUX input and 1 recording output
- Speaker output of constant voltage distribution system (100 V)
- Independent tone control of boost and cut type for both high and low frequency
- MIC 1 with phantom power and mute function
- Current limiter to prevent damage due to current overload
- Excess heat limit to protect the transistor and power transformer
- Available in 30 W, 60 W, 120 W and 240 W rated output

## Specifications

Power Source	220 - 240V, 50/60 Hz
Rated Output	240 W
Power Consumption	48 W (AC operation at 1/8 maximum output without clip)
Frequency Response	50 - 20 kHz, $\pm 3$ dB
Horn Filter Band	230 - 20 kHz, $\pm 3$ dB
Distortion	Less than 1% at 1kHz, 1/3 Rated Power
Input	MIC 1-3: -60 dB (0dB=1V), 600 $\Omega$ , Balanced, phone jack AUX 1-2: -20 dB (0dB=1V), 10 k $\Omega$ , Unbalanced, RCA pin jack
Output	Speaker out: Balanced (Floating) High Impedance: 42 $\Omega$ (100 V) Rec Out: 0 dB (1V), 600 $\Omega$ , Unbalanced RCA pin jack
Tone Control	Bass $\pm 10$ dB at 100Hz Treble $\pm 10$ dB at 10kHz
Signal to Noise Ratio	Over 60dB
Phantom Power	DC +21V (MIC 1)
Muting	MIC 1 : mute other input signal by 0-30dB attenuation
Indicator	POWER, PEAK, SIGNAL
Finish	Panel : ABS Resin, Black 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 lbs)

# Dimensions



UNIT : mm

## A&E specifications

The mixer power amplifier designed on power saving digital technology, supplied by AC main power with main power switch and power on indicator at front site, and shall control and mix 3 balanced MIC (phone jack) and 2 unbalanced (RCA pin jack) AUX inputs. Speaker outputs shall be balanced (floating) high-impedance, and there shall be a low-impedance REC out. The amplifier shall meet the following performance criteria: Power output shall be 240 W at less than 1% THD (at 1 kHz, 1/3 rated power). Frequency response shall be 50 Hz to 20 kHz (+/-3 dB), with an S/N ratio of over 60 dB. Phantom power (DC +21 V) and muting (of other input signals by 0 – 30 dB attenuation) shall be available for MIC 1. Bass Tone Control shall be +/-10 dB at 100 Hz, and Treble Tone Control shall be +/-10 dB at 10 kHz. Power, signal and peak indicators shall be provided. The panel shall be ABS black resin, and the case black steel plate. Dimensions shall be 420 (W) x 100.6 (H) x 280.3 (D) mm, and weight 4.0kg. The mixer power amplifier shall be TOA model A-2240D.