

## A-2240 CU

### MIXER AMPLIFIER



The A-2240 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.

### Key features

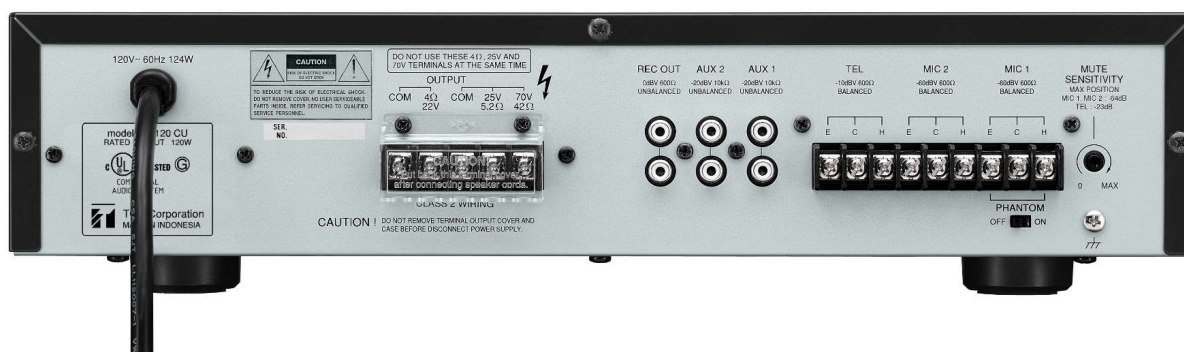
- Cost effective and durable mixer power amplifier
- User friendly front panel allows easy operation
- 2 electronically balanced microphone inputs, 2 AUX inputs and recording output.
- Phantom power at MIC 1
- Wide tone-control adjustment range of  $\pm 10$  dB for both bass and treble
- 70V / 25V line or  $4\Omega$  speaker outputs

## Specifications

\* 0 dB = 1 V

|                       |                                                                                                                                                                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Power Source          | 120 V AC                                                                                                                                                                                                                                                                            |
| Rated Output          | 240 W                                                                                                                                                                                                                                                                               |
| Power Consumption     | 238 W (EN60065), 520 W (AC operation at rated output)                                                                                                                                                                                                                               |
| Frequency Response    | 50 - 20,000 Hz ( $\pm 3$ dB)                                                                                                                                                                                                                                                        |
| Distortion            | 1% or less at 1 kHz, 1/3 rated power                                                                                                                                                                                                                                                |
| Signal to Noise Ratio | 60 dB or more                                                                                                                                                                                                                                                                       |
| Input                 | MIC 1, 2: -60 dB*, 600 $\Omega$ , balanced, M3.5 screw terminal, distance between barriers: 8.3 mm (0.33")<br>TEL: -10 dB*, 10 k $\Omega$ , balanced, M3.5 screw terminal, distance between barriers: 8.3 mm (0.33")<br>AUX 1, 2: -20 dB*, 10 k $\Omega$ , unbalanced, RCA pin jack |
| Output                | Speaker out: Balanced (floating), M3.5 screw terminal, distance between barriers: 8.3 mm (0.33")<br>High impedance: 21 $\Omega$ (70 V), 2.6 $\Omega$ (25 V)<br>Low impedance: 4 $\Omega$ (31 V)<br>Rec out: 0 dB*, 600 $\Omega$ , unbalanced, RCA pin jack                          |
| Phantom Power         | DC +21 V (MIC 1)                                                                                                                                                                                                                                                                    |
| Tone Control          | Bass: $\pm 10$ dB at 100 Hz<br>Treble: $\pm 10$ dB at 10 kHz                                                                                                                                                                                                                        |
| Muting                | MIC 1, MIC 2, and TEL have a priority function to attenuate AUX1 and AUX 2 input signals by 30 dB. (Sensitivity level for MIC 1, MIC 2, and TEL adjustable)<br>Priority level among MIC 1, MIC 2, and TEL is the same.                                                              |
| Finish                | Panel: ABS resin, black<br>Case: Steel plate, black                                                                                                                                                                                                                                 |
| Dimensions            | 420 (W) x 100.9 (H) x 360.3 (D) mm (16.54" x 3.97" x 14.19")                                                                                                                                                                                                                        |
| Weight                | 15.5 kg (34.17 lb)                                                                                                                                                                                                                                                                  |

## Product rear image





## A&E specifications

The mixer power amplifier shall be ideal for a wide variety of installed sound applications such as paging and background music (BGM) distribution. The mixer power amplifier shall have the ability to accommodate up to five audio signals in total. The amplifier shall control and mix up to two electronically balanced (screw terminal) MIC inputs, one balanced (screw terminal) TEL input, up to two unbalanced (RCA pin jack) AUX inputs, and deliver an audio output of 240W. The MIC input impedance shall be 600 ohm, the TEL input impedance shall be 10k ohms, and the AUX impedance shall be 10k ohms. Specifications shall be equal to the following: frequency response: 50 to 20k Hz (+/- 3 dB). Distortion: Less than 1% THD at 1 kHz, 1/3 rated power. It shall be capable of operation from a 120 V AC 60 Hz line. Power consumption shall be 238 w. Phantom power for MIC1 shall be DC +21V. The S/N ratio shall be over 60 dB. Tone controls shall be +/- 10 dB at 100Hz for bass and +/- 10 dB at 10k Hz for treble. The mixer power amplifier shall include 25 V, 70 V, or 4 ohm transformer-isolated outputs with screw terminal type connections and a protective cover plate, and AUX output with dual-RCA jacks for recording or connection to an external booster amplifier. The amplifier shall incorporate an auto-mute function with MIC1, MIC2, and TEL inputs that override BGM channels AUX 1 and AUX 2 with -30 dB attenuation, for voice activated paging at an adjustable threshold level (0 to 64 dB for MIC and MIC 2, 0 to -23 dB for TEL). The mixer amplifier front panel shall include a master volume control, MIC/TEL and AUX volume controls, Bass/Treble tone controls and Signal, Peak, and Power LEDs. Dimensions shall be 16.5" (W) x 4.0" (H) x 14.2" (D). Net weight shall be 29.10 lb. Front panel and material shall be black ABS resin and case finish and material shall be black steel plate.

The mixer power amplifier shall be TOA model A-2240