# TOA DIGITAL MIXER AMPLIFIER 2×240W MX-6224D(1CE/4CE)

## ■DESCRIPTION

The MX-6224D, Digital mixer amplifier 2×240W, is designed for 2 zones Public address system that suitable for middle sized mosques application.

## ■SPECIFICATIONS

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|---|---|
| Power Source | 220 V – 240 V AC, 50/60 Hz |
| Power Output | 240 W × 2 channels (100 V, 42 Ω, rated output) |
| Power Consumption | 100 W (according to IEC60065), 570 W (at rated output, both channels) |
| Amplification System | Class D, Output transformerless galvanic isolated output |
| Frequency Response | 50 Hz – 20 kHz, ±3 dB (at 1/3 rated output, rated load, from power amplifier input) |
| Distortion | Less than 1 % THD (at 1 kHz, 1/3 rated output power) |
| Output Regulation | Less than 2 dB no load to full load (at 1 kHz, 1/3 rated output power) |
| Input | MIC 1: –50 dB (*1) (24 V phantom powered)/–60 dB (*1) (phantom power OFF)<br>600 Ω, electronically-balanced, ø6.3 mm phone jack (3P:balance)<br>MIC 2 – 4: –66 dB (*1), 200 Ω, electronically-balanced,<br>XLR-3-31 type and ø6.3 mm phone jack (3P:balance) (either one usable)<br>MIC 5 – 6: –60 dB (*1), 600 Ω, electronically-balanced,<br>XLR-3-31 type and ø6.3 mm phone jack (3P:balance) (either one usable)<br>AUX 1: –10 dB (*1), 10 kΩ mixed monaural, unbalanced, RCA pin jacks (1 pair)<br>AUX 2: –20 dB (*1), 10 kΩ mixed monaural, unbalanced, ø3.5 mm mini jack (3P:stereo)<br>Power amplifier input: 0 dB (*1), 10 kΩ, unbalanced,<br>RCA pin jacks (1 each for ROOM and OUTSIDE outputs) |
| Output | Speaker output: 2 zones, 100 V (42 Ω), galvanic isolated balanced, M4 screw terminal<br>Recording output: 0 dB (*1), 600 Ω monaural, unbalanced, RCA pin jacks (1 pair)<br>Effect bus output: 0 dB (*1), 600 Ω monaural, unbalanced, RCA pin jacks (1 pair)<br>Preamplifier output: 0 dB (*1), 600 Ω monaural, unbalanced,<br>RCA pin jacks (1 each for ROOM and OUTSIDE outputs) |
| Phantom Power | ON/OFF switchable for MIC 1 and XLR-3-31 type connectors of MIC 2 – 6 |
| Signal to Noise Ratio | 60 dB or less (All volume controls: min.) |
| Controls | 6 Microphone volume controls, 2 AUX volume controls,<br>1 ROOM output switch, 1 ROOM volume control,<br>1 OUTSIDE output switch, 1 OUTSIDE volume control,<br>1 Effect control (0 % to 100 %) of Effect bus,<br>1 Effect preset type selection switch (DOME/HALL/PLATE/DELAY),<br>1 Effect Room size/Delay time selection switch (L/M/S/OFF),<br>1 Effect output selection switch (OFF/ON), 1 MIC 5-6 effect switch,<br>1 Low EQ control (±15 dB, 80 Hz) for MIC 1 – 6,<br>1 Mid EQ control (±15 dB, 2.5 kHz) for MIC 1 – 6,<br>1 High EQ control (±15 dB, 12 kHz) for MIC 1 – 6,<br>1 Speaker EQ (TC-631M, TC-651M) switch for OUTSIDE output,<br>1 Speaker EQ (BS-1030B, BS-1030W) switch for ROOM output,<br>1 Power switch, 1 Phantom switch for MIC 1,<br>1 Phantom switch for MIC 2 – 6 (XLR-3-31) |
| Indicators | SLEEP indicator<br>Output Level meters (2 points, –20 dB and 0 dB) for ROOM and OUTSIDE<br>Protection indicators for ROOM and OUTSIDE amplifiers<br>Output indicators for ROOM and OUTSIDE<br>EFFECT indicator for MIC 1 – 6 |
| Ventilation | Natural air cooling |
| Operating Temperature | 0 °C to +40 °C (32 °F to 104 °F) |
| Operating Humidity | 35 % to 80 %RH (no condensation) |
| Dimensions | 420 (W) × 99.8 (H) × 360.6 (D) mm (16.54" × 3.93" × 14.2") |
| Installation Method | Desktop mount, Rack mount with mounting bracket MB-25B (option) |
| Weight | 6.1 kg (13.45 lb) |
| Finish | Front Panel: Aluminum, black, alumite<br>Case: Steal plate, black, paint |
| Accessory | Power supply cord ···1, Sticker for Arabic indication ···1 |
| Option | Remote controller: RC-03<br>Power amplifier :P-2240<br>Multichannel power amplifier: DA-250FH<br>Dynamic microphone: DM-1300<br>Lavalier microphone: EM-410<br>Horn speaker: TC-631M, TC-651M<br>Universal speaker: BS-1030B, BS-1030W<br>Rack mounting bracket: MB-25B<br>Perforated panel: PF-013B |

(*1) 0 dB = 1 V

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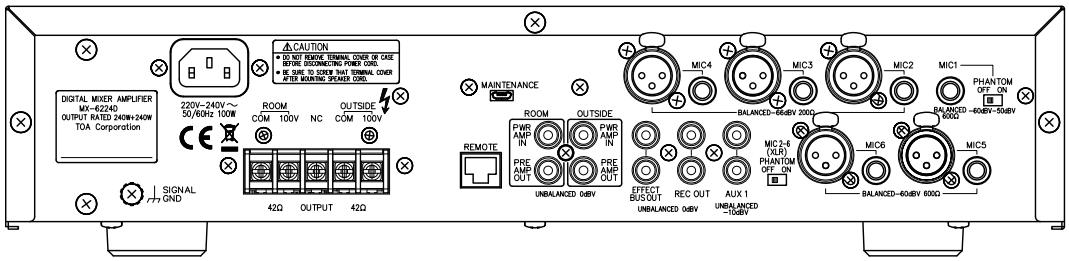
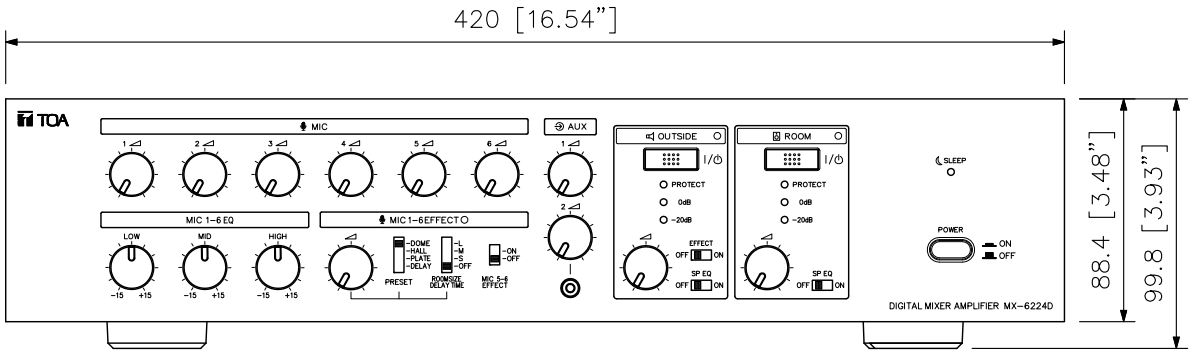
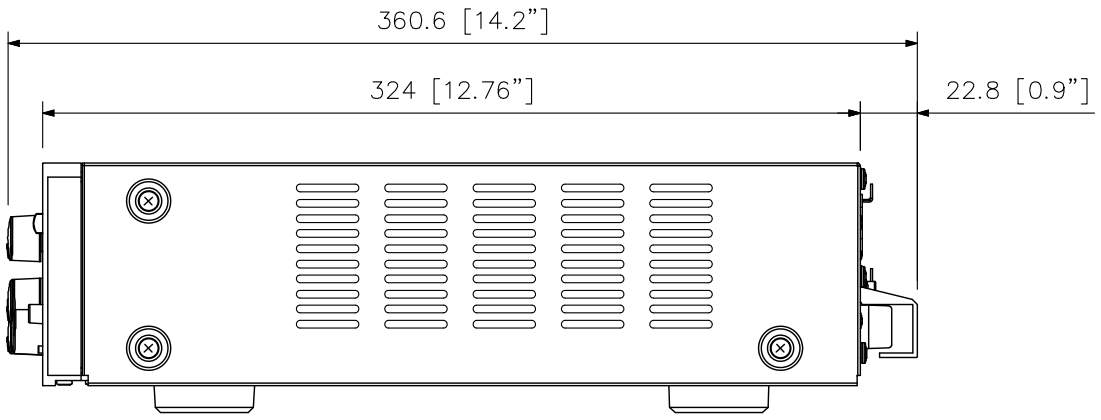
## ■APPEARANCE



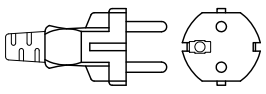
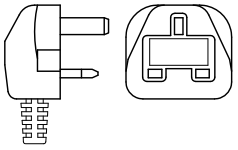

Rear View




Front View




Side View

| Model | 1CE | 4CE |
|---|---|---|
| AC plug |  |  |

UNIT: mm SCALE: 1/3



TOA Corporation

DWG No: GMX00TC1