

## BA3-240Z

### 3-Zone Mixer Amplifier

19" 2U • 240 W • 100 V / 70 V / 4–16 Ω • Media Player



Front Panel



3 Zones  
Independent Volume



USB / SD  
FM / Bluetooth



3 Mic  
+ 2 Aux Inputs



48 V  
Phantom Power



24 V Trigger  
Chime / EVAC



Full  
Protection

### Description

The BA3-240Z public address 3-zone mixer amplifier is designed for small, multi-room commercial audio installations, with each loudspeaker zone set to its own output volume. This 19" rack-mount unit integrates a zone paging controller, pre-amplifier, power amplifier and media player in a single 2U chassis. It delivers a rated output of 240 W, provides 3 microphone and 2 Aux inputs, and supports 100 V / 70 V line and 4–16 Ω loudspeaker applications.

### Key Features

- ✓ Public address (PA) 3-zone mixer amplifier.
- ✓ 19" rack-mount design, 2U height.
- ✓ Rated power output: 240 W.
- ✓ 3 zone speaker outputs (100 V) with independent volume control.
- ✓ Additional speaker output: 4 Ω / 8 Ω / 16 Ω / 70 V / 100 V.
- ✓ Built-in media player with USB, SD, FM tuner and Bluetooth.
- ✓ IR remote control for source selection and volume control.
- ✓ 3 microphone inputs: Mic 1 (6.3 mm jack) and Mic/Line 2–3 (XLR combo).
- ✓ Mic 2–3 balanced inputs with mic/line switch and 48 V phantom power.
- ✓ 2 Aux inputs (RCA) on the rear panel.
- ✓ Mic 1 with VOX function and highest input priority (after the EMC input).
- ✓ 24 V mute control input to trigger built-in chime / alert / EVAC pre-recorded messages.
- ✓ Full amplifier protection: clip, overload, short circuit and over-temperature.

### Tender Specification

The mixer amplifier shall be a 19" rack-mount, 2U unit integrating a 3-zone paging controller, pre-amplifier, power amplifier and media player. Rated power output shall be 240 W. It shall provide 3 zone speaker outputs (100 V) with independent volume control, plus one output for 4 Ω / 8 Ω / 16 Ω / 70 V / 100 V loudspeakers. The built-in media player shall support USB, SD, FM tuner and Bluetooth, with IR remote control. It shall have 3 microphone inputs (Mic 1 on 6.3 mm jack, Mic/Line 2–3 on XLR combo with mic/line switch and 48 V phantom power) and 2 RCA Aux inputs. Mic 1 shall have VOX priority. A 24 V mute control input shall trigger built-in chime, alert and EVAC pre-recorded messages. Frequency response shall be 80 Hz – 16 kHz, with THD < 0.1% and S/N ratio > 70 dB. The amplifier shall include clip, overload, short-circuit and over-temperature protection, operate from 230 V AC, 50/60 Hz with 400 W power consumption, weigh 8.7 kg and measure 484 × 405 × 88 mm (W × D × H).



## Specifications

| Model                  | BA3-240Z                                                                                |
|------------------------|-----------------------------------------------------------------------------------------|
| Description            | 3-Zone Mixer Amplifier with zone attenuators, MP3 / USB / SD, FM & Bluetooth            |
| Rated Power Output     | 240 W                                                                                   |
| Speaker Output         | 3 × zone outputs (100 V)<br>1 × output: 4 Ω / 8 Ω / 16 Ω / 70 V / 100 V                 |
| Inputs                 | Mic 1-3: 2.5 mV — Mic 1 (6.3 mm jack), Mic/Line 2-3 (XLR combo)<br>Aux 1-2: 250 mV, RCA |
| Control Input          | 24 V mute input, triggers built-in chime / alert / EVAC messages                        |
| Frequency Response     | 80 Hz – 16 kHz                                                                          |
| THD                    | < 0.1%                                                                                  |
| S/N Ratio              | > 70 dB                                                                                 |
| Protection             | Over-temperature, short circuit, clip & overload                                        |
| Power Supply           | 230 V AC, 50/60 Hz                                                                      |
| Power Consumption      | 400 W                                                                                   |
| Dimensions (W × D × H) | 484 × 405 × 88 mm                                                                       |
| Net Weight             | 8.7 kg                                                                                  |

## Rear Panel



## Connection Diagram

