

ZMR-243

A ZONER MIXER WITH REMOTE MUSIC SELECTION & VOLUME



The latest zoner from Formula Sound has been developed after consultation with installers and incorporates features many have asked for.

The ZMR-243 has 2 low impedance balanced microphone inputs, 4 stereo music inputs and 3 stereo zone outputs. Lots of options which can be selected internally. Superb audio performance. All housed in a 19" 1RU enclosure.

- All inputs have preset gain controls accessible through holes in the rear panel.
- Microphone inputs have preset H.F. and L.F. equalisation controls and, if selected, phantom power.
- Microphone inputs have full mixing facilities into any or all

outputs independent of music sources.

- Microphone automatic voice-over can be selected individually from Mic 1 and Mic 2 to any zone output.
- Remote microphone switching for paging is available on either or both microphone channels.
- 3 Stereo zone outputs each balanced with preset H.F. and L.F. music equalisation.
- Any zone may be operated as two mono zones each with remote volume sharing the same source. One of these zones can select the source if required.
- Priority function, when enabled allows a signal on stereo input 1 to take priority over other sources. Priority zone

selection, sensitivity, and release time are provided by internal settings.

- Full remote control of the normal operation of this unit is provided via passive remote panels, thus allowing the unit to be located out of harms way. The unit also provides full operation from its front panel controls.
- 1 front panel push switch per zone selects music inputs or remote panel selection. LEDs provide clear indication of the unit's status. Push switches may be quickly and easily frozen to prevent tampering or accidental operation.
- Remote music Mute or Dim facility allows connection to a fire alarm. The Dim level is fully adjustable.



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- Remote music selection and volume control panels are available.



ZMR-243 TECHNICAL SPECIFICATION

Frequency Response (EQ. set flat):	20Hz - 20KHz \pm 0.5dB.
THD + noise @ 1KHz	MAX O/P <.02% @ operating level 0dBu <.01% Typically .005%
Microphone Inputs 1-2:	Connector type XLR Internally selectable phantom power (15V). Gain selection by 6 position rotary switch. Gain Min: 10dB. Gain Max: 60dB. Noise Ref: 150R EIN -126dB 22Hz-22KHz. Input Impedance: >2K ohms active balanced. Maximum Input Level: +10dBu 2.4V. Equalisation Microphone Channels: HF (Treble) \pm 12dB @ 10KHz. LF (Bass) \pm 12dB @ 200Hz.
STEREO INPUTS (Channels 3-6):	Connector Type twin gold plated phono sockets. Gain adjustment continuously variable. Gain Min. -25dB Gain. Max: +12dB Nominal Input Level: 0dBu 775mV Maximum Input Level: +20dBu 7.7V Input Impedance: >10K ohms. Noise @ max gain. EIN -100dB 22Hz 22KHz.
Zone Outputs X3:	Audio Connector: 2 x 3 pin connectors (mating connectors supplied). Remote Selection & Volume: 4 pole connector (mating connector supplied).
Balanced Output:	Maximum Output Level: +20dBu 7.7V Output Impedance: <100ohms Balanced <50ohms Unbalanced. Equalisation Music Sources: HF (Treble) \pm 12dB @ 10KHz LF (Bass) \pm 12dB @ 100Hz Balanced outputs are self compensating and may be linked for unbalanced operation without any degradation in performance.
Power:	220 - 240V AC standard (115V to order. Or consult technical manual to change). Mains Fuse 220-240v operation 250A slow blow. Mains Fuse 110-115v operation 500A slow blow. I.E.C. Mains connector.
Finish:	Front and Rear panels - Black anodised aluminium with silver notation. Case black plastic coated steel.
Dimensions:	19" rack mounting. 1RU. Width 482mm (19") Depth 200mm (7.9") Height 44mm (1.75")



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Formula Sound reserve the right to alter specifications at any time without notice.