

# ZoneMix3

Zone Mixing System

## Description

The Australian Monitor ZoneMix3 is an extremely versatile and innovative mixer and signal router. Featuring a broadcast quality audio spec, the ZoneMix3 allows selection of 4 stereo sources to 3 stereo zones either at the ZoneMix3 or remotely. One stereo source can have selectable priority per zone and each stereo zone boasts 5 stage equalisation. The ZoneMix3 also has the ability to route two independent mic or line signals to any zone or combination of zones. Add to this remote volume controls in each zone and the ZM3M 3 zone paging microphone (both running via inexpensive CAT-5 cabling) and you have an extremely high quality zone selecting mixer at a fraction of the cost of other products in this market.

## Inputs

**MIC/LINE Inputs** There are two MIC/LINE inputs. The balanced XLR inputs accept mic level signals. The dual RCA inputs accept line level inputs and are summed to mono internally. Gain and EQ are controlled from the front panel.

These inputs supply 15V phantom power, unless internally disabled.

These inputs may have priority over program inputs, if this feature is enabled.

**PROG INPUTS** There are four program inputs. These are stereo RCA line level inputs. Trim is controlled from the front panel. LINE4 is a priority input, if this feature is enabled.

**PAGE INPUT** There is an RJ45 connector on the rear of the unit accepts a CAT-5 cable from the optional ZM3M Paging Station.

**SUM INPUT** This input has overall priority and is usually used for an emergency tone or message.

## Outputs

There are 3 Stereo Zone balanced XLR Outputs. The zone outputs are configured as stereo left and right as default but can be internally changed to mono.

## Link

Two ZoneMix3 Units can be linked together to provide six stereo zone outputs.

## Controls

There are various levels of control you can use to ensure the optimum result from your ZoneMix3. They include:

**Trim Control** for all inputs

**5 Stage EQ** on each zone output

**Mic/Line Selection** for the first two inputs

**Program Control** for selecting a program source via the front panel. This can also be done remotely with the ZM3R Remote Source/Volume Selection Unit

## Metering and Status

**A "status" LED** gives an indication of OUTPUT signal. It glows green at -30dB and red at 0dBV (1V). This is meant to indicate clip within the ZoneMix3. When used with Australian Monitor Synergy amplifiers, both LEDs on the ZoneMix3 and the Synergy amplifier will go red simultaneously indicating system clip (with pot at full on the amplifier).

**A "remote" LED** indicates that the zone is in remote control mode.

**A "power" LED** indicates there is power to the unit.

## Remote Panels and Stations

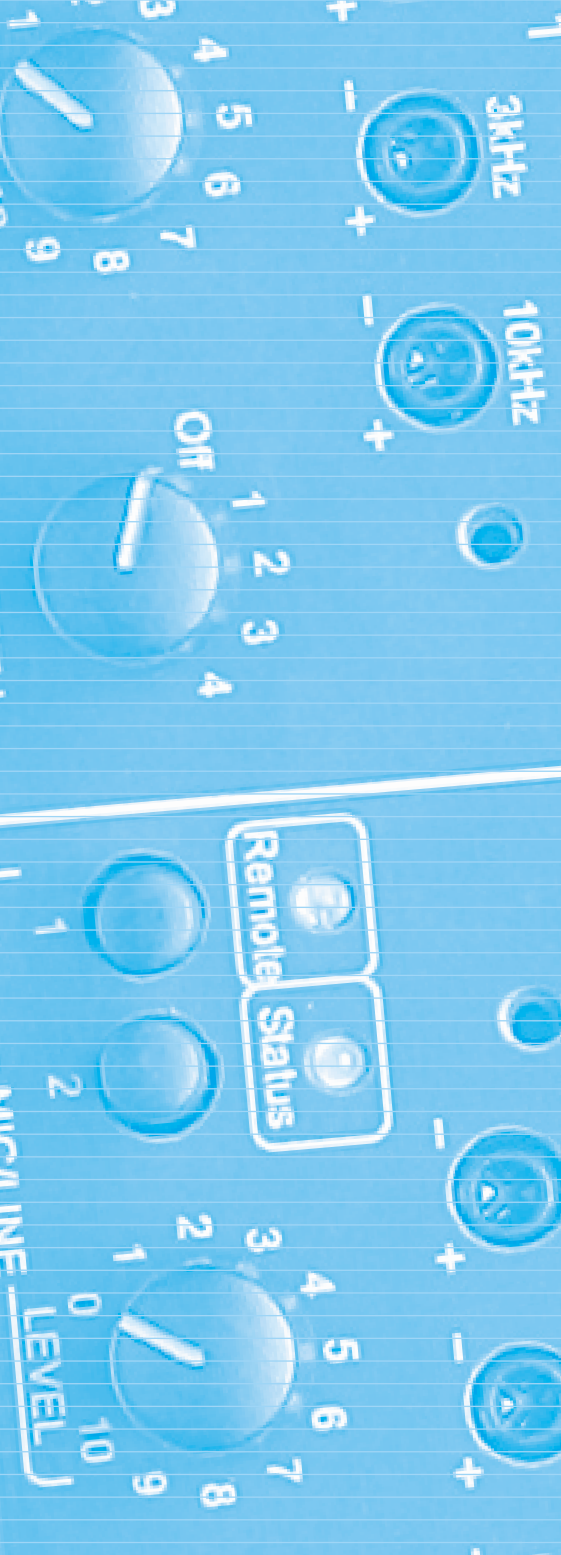
**A Remote Volume/Source Panel (ZM3R)** is available per zone. It is connected to the unit by CAT-5 cable. From this panel the user may adjust volume and select one of the four program sources, or the OFF position.

**A Remote Paging Station (ZM3M)** is available. It is connected to the unit by CAT-5 cable. From this paging station a user may page into any or all of the 3 zones.



Pictured without Security Covers





<b>Dimensions (mm):</b>	44.0h x 482.0w x 286.5d
<b>Weight:</b>	Net 2.5kg (5.5lb); Shipping 3.0kg (6.6lb)
<b>Power Input:</b>	20VAC; 30VA max.
<b>Sensitivity (for 0dB out):</b>	Mic/Line Input (RCA) 86mV (-19dB); Mic/Line Input (XLR) 1.55mV (-54dB); Prog Input (RCA) 190mV (-12dB)
<b>Max Level Out:</b>	10V RMS (+22dB)
<b>Frequency Response:</b>	20Hz - 20kHz (0dB/-3dB)
<b>THD:</b>	Less than 0.1%
<b>Noise:</b>	-80dB
<b>Crosstalk:</b>	Better than 65dB
<b>Phantom Power:</b>	15VDC

- All measurements done with levels set to max;
- All measurements referenced to 0dBu (0.775mV)

### ARCHITECTURAL AND ENGINEERING SPECIFICATIONS

The 1RU zone mixer shall be of a high specification suitable for foreground and background music applications. The unit shall have a frequency response of 20Hz-20kHz (0dB/-3dB) and signal to noise of -80dB or greater.

The zone mixer shall feature three stereo zone outputs (with 5 stage EQ), two mic/line inputs and four stereo line inputs. The inputs may be routed to any of the outputs.

Program source selection may be made via the front panel or a remote wall panel connected by CAT-5 cable.

The unit shall have an optional microphone paging station which allows the paging of the 3 individual zones or all zones at once.

The unit shall be an Australian Monitor ZoneMix3.



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