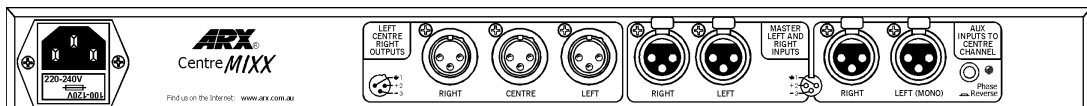
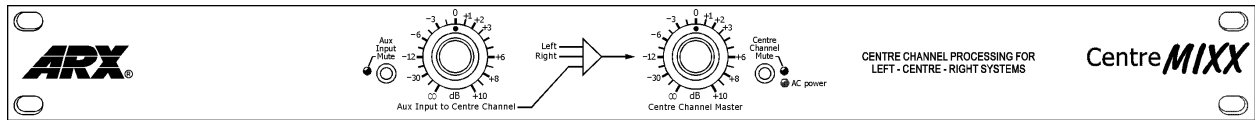


# Centre MIXX



## CENTRE CHANNEL PROCESSING FOR LEFT - CENTRE - RIGHT SYSTEMS



### Innovation

Central loudspeaker clusters are now becoming a standard in installations and live sound reinforcement systems. They provide the operator with the ability to centre the voice and acoustic program material, while at the same time retaining the Stereo image across the Left and Right Loudspeakers.

Until the advent of the ARX CentreMIXX, only users of high end mixing consoles equipped with a separate Centre Channel Output were able to easily derive a vocal dominated mono Centre mix.

By using the ARX CentreMIXX, even a very simple system can derive a Centre Channel from a summed mono mix of Left and Right, with a L-R mix accuracy of 0.1 dB

However, where the CentreMIXX really comes into its own is by feeding its Stereo Aux Input with a line from the Vocal subgroup (for example) on the console. This allows you to increase the overall vocal level in the Centre Cluster, putting the voice up front, just where you want it.

On some mixing consoles the signal phase is often inverted relative to the Insert points, Group and Master outputs. To allow for this, we've included a rear panel mounted Phase Reverse switch on the Aux Inputs to ensure phase uniformity at all times.

Centre Channel Gain is adjustable from infinity through to +10 dB, relative to the Main Left and Right inputs, which pass through the CentreMIXX at Unity Gain.

Recommended position for the CentreMIXX in the signal chain is immediately post console, pre system EQ

In short, the ARX CentreMIXX is the unique solution to today's requirements for a Centre Channel mix.

### Specifications

<b>Input Impedance (all inputs)</b>	44 KOhm Balanced 22 KOhm Unbalanced
<b>Input Headroom</b>	+24dB
<b>Max Output Level (all outputs)</b>	+24dB
<b>Output Noise (all outputs)</b>	-96 dB Unweighted
<b>Output Impedance</b>	200 Ohm Balanced 100 Ohm Unbalanced
<b>Dynamic Range</b>	120 dB
<b>Frequency Response</b>	10Hz - 20KHz $\pm 0.5$ dB
<b>Distortion @ Unity Gain</b>	100 Hz .0035% 1 KHz .0032% 10 KHz .0037%
<b>Input Connectors</b>	Balanced Female XLR
<b>Output Connectors</b>	Balanced Male XLR
<b>Unit Gain</b>	Left and Right Channels Unity
<b>Centre Out</b>	Maximum +10 dB relative to Left and Right Inputs
<b>Centre Level Control</b>	Detented from Infinity through to +10 dB
<b>Aux Input Level Control</b>	+10 dB
<b>Aux Input Phase</b>	Switchable 0/180°
<b>Power Requirements</b>	100/120 V AC, 220/240 V AC
<b>Weight</b>	5 lbs/2.2 Kg
<b>Dimensions</b>	19"W x 1 3/4"H x 6"D 482 x 44 x 155mm

### Architectural Specifications

The unit shall be mounted in a standard 1 RU all steel chassis with extruded aluminium front panel.

Each channel shall have a balanced female XLR input connector and a balanced male XLR output connector mounted on the rear panel.

The Auxiliary input channels shall have a Level trim control on the front panel, variable from infinity through to +10 dB. The Centre Channel Mix control shall also be variable from infinity through to +10 dB. The Left and Right Channel shall have unity Gain through the unit.

The Output Noise shall be -96dB unweighted. Input impedance shall be 44 KOhms (22 KOhms unbalanced), and the output impedance shall be 200 Ohms (100 Ohms unbalanced).

Maximum Output Level shall be +24dB AC power range shall be switchable 100 to 120V or 220 to 240V AC, and shall be connected to the unit via a standard three pin IEC connector, with built-in fuse and voltage change switch.

The unit shall be the ARX CentreMIXX

Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given. Latest updates on this product are available on the ARX website:

[www.arx.com.au](http://www.arx.com.au)