



Australian Monitor

DSM-6

SIX CHANNEL DIRECT BOX, SPLITTER, LINE MIXER

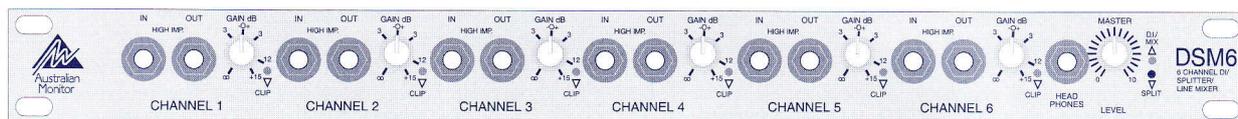
It's a fact of audio life that a lot of equipment that has to be connected to professional audio systems isn't impedance or level compatible.

- **Multiple Interfacing**

Tape/cassette decks, audio for video, drum machines, synthesizers, bass guitars, computers; at some stage all these need linking up to

puts or zones.

On the front panel, each channel has 2 IN/OUT jacks, a level control from infinity (off) through 0dB to +15dB gain, and a Clip indicator LED. The Master section has a Master volume control, Headphone out socket, and status LEDs indicating whether the unit is in DI or Splitter mode.



Balanced inputs, whether the application is Live sound, Studio or Broadcast.

To solve these problems, Australian Monitor have developed the DSM-6:

Six active D.I. (Direct Injection) units,

plus a 6 into 1 Line Mixer,

plus a 1 to 6 Splitter,

plus a headphone amp

All this in a compact, all steel 1 RU package.

- **Pro Audio Toolbox**

This unique and flexible audio toolbox allows Six independent unbalanced audio sources to easily and quietly interface with Balanced pro audio systems, either to individual channels or summed down to one Master output.

But that's not all. By pressing a single switch on the rear panel the DI6s will change from DI/Mixer to Splitter mode (line distribution amplifier). Now it will split an incoming signal to 6 individual out-

- **Balanced Outputs**

On the rear, each channel has an XLR Balanced output, plus a Ground lift switch and indicator LED, to isolate the chassis and electronic grounds.

The Master section has both Balanced XLR and Unbalanced Jack outputs. In addition there is a Balanced XLR input with a switch to put the unit in either DI or Splitter mode.

- **Universal AC Power**

AC power is a universal 100 to 120V or 220 to 240V, 50-60 Hz, and is connected to the unit via a removable power lead and standard 3 pin IEC connector, with built in fuse and voltage selection switch.

With so many essential and useful functions, plus an intuitive 'user friendly' layout, it's no wonder we call the DSM-6 'A total Audio Interface System in 1 RU!'

Technical Specifications

DSM-6

Channels 1 - 6

Input Impedance

2 MegOhm

Input Headroom

+ 21dB

Output Level (Max)

+ 26 dB

Signal to Noise ratio @ Unity

-98 dB Unweighted
-104 dB 'A' weighted

Distortion @ Unity Gain

.003% THD, 0dB, 1KHz

Dynamic Range

124 dB

Hi Z Input/Output Connectors

Jack

Balanced Output Connector

XLR

Master Section

Output Signal to Noise ratio

-90 dB Unweighted
-96dB 'A' weighted

Note: All inputs @ unity, Master @ unity

Output Level (Max)

+ 26 dB

Output Impedance

600 ohms

Distortion @ Unity Gain

.006% THD, 0dB, 1KHz

Output Connector type

XLR, Jack

Headphone Jack Output

3 watts/ 8 ohms

Splitter Section

Maximum Level

+ 20dB

Input Impedance

2 0 KOhms, Balanced

Input Connector type

XLR

Frequency Response

20Hz—20KHz \pm 0.5dB

Power Requirements

100/120 V AC, 220/240 V AC
50 - 60 Hz

Weight

5 lbs/2.2 Kg

Dimensions

19"W x 1 $\frac{3}{4}$ "H x 6"D
482 x 44 x 155mm

Architect's Specifications

The signal processor shall be a six channel unit in a steel chassis six inches deep and one rack unit high. The unit shall be capable of operating in three modes: firstly, as Six active Direct boxes, secondly, as a 6:1 Line Mixer, and thirdly, as a 1:6 Line Splitter. It shall be capable of operating concurrently in the first two modes, and there shall be a rear panel switch to facilitate the splitter mode. There shall be a Headphone amplifier to monitor the signal, and a master level control, which operate in all modes.

Each channel shall have a High Impedance input and output jack, a level control from ∞ through to +15dB, and an LED to indicate the onset of circuit overload. Each channel shall have a corresponding electronically balanced XLR output connector, with audio ground lift switch and status LED.

On channels 1 to 6, the Hi Z input connector shall have an Input impedance of 2 MegOhms, and the input headroom shall be +21dB. The frequency response (all channels and masters) shall be 20 Hz to 20 KHz, \pm 0.4dB. The Output impedance shall be 600 ohms balanced, and the maximum Output level shall be +26dB, with a

Signal to Noise ratio at unity of -104dB 'A' weighted (-98dB unweighted). THD shall be .003% @ 0dB, 1 KHz, and the unit shall have a dynamic range of 107dB.

The Master section shall have an Output Signal/Noise ratio of -96db 'A' weighted, with all inputs and master @ unity, an output level of +26dB, and THD of .006% at unity. The master section output connectors shall be both XLR and TRS jack.

The Splitter input shall be a balanced XLR connector situated on the rear panel, with a switch to enable this mode and status LEDs on the front panel. The maximum level to this input shall be +20dB, with an impedance of 20 Kohms balanced. In this mode each of the balanced outputs shall be controlled by the front panel level controls.

The headphone jack output on the front panel shall deliver 3 watts into an 8 ohm load.

Power shall be supplied via a removable mains cable, connecting to an IEC connector with an integral fuse and voltage change switch on the unit's rear panel.

The direct box/mixer/splitter shall be the Australian Monitor DSM6



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Australian Monitor Pty Ltd

53 College Street, Gladesville, Sydney, NSW 2111, Australia

Phone: +61-2-816-3544, Fax: +61-2-817-4303

In keeping with our policy of continually improving the technical quality of our products, we reserve the right to change component types, manufacturers, sources of supply or technical specifications at any time

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