



Australian Monitor

EQ152

DUAL CHANNEL 2/3RD OCTAVE CONSTANT Q EQUALISER

The Australian Monitor EQ152 is a dual channel 15 band graphic equalizer designed especially for installations where the program material is predominantly pre-recorded and pre-processed, such as Disco and Karaoke. Delivering flawless professional performance, it takes up minimal rack space being neatly housed in a compact 2 RU all steel chassis.

- **Quality you can feel as well as hear**

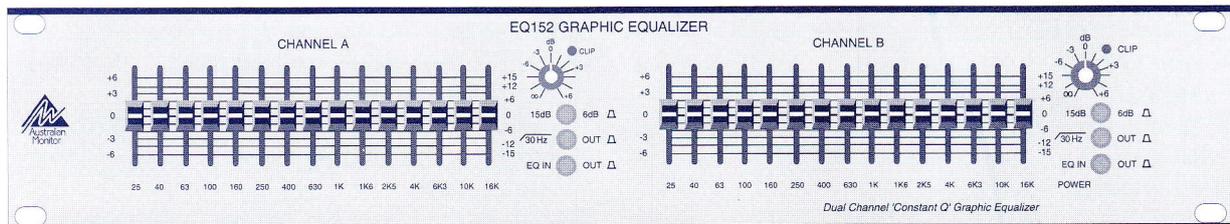
On the brushed satin aluminium front panel,

and you have an equalizer that is unsurpassed for total accuracy.

Additionally, at the 0dB slider position each filter is, in effect, removed from the circuit to further enhance the EQ152's low noise figures. All circuit boards are connected with flexible computer grade ribbon cables to stand up to the rigours of touring.

- **Balanced Inputs and Outputs**

On the rear panel, the EQ152 has true differ-



each channel has 15 maximum throw, well damped, centre grounding sliders, switchable to either ± 15 dB, or ± 6 dB, for the ideal combination of high fader resolution and maximum cut and boost.

As well, there is a Gain recovery control with up to +6 dB of gain; a Clip LED to indicate circuit overload, a switchable 30Hz High Pass filter, and an IN/OUT hardwire bypass switch which removes the EQ152 completely from the signal path.

- **Accurate Constant Q Circuitry**

Internally, the EQ152 features innovative Constant Q circuitry.

This means that the graphical representation of the sliders on the front panel more accurately reflects the changes you make to the sound, compared to traditional EQ designs. In other words, 'what you see is what you get.'

Combine this with the EQ152's ultra low noise

essential Balanced Inputs and Servo Balanced Outputs, on both XLR as well as convenient TRS jack connectors.

There is also an audio ground lift switch to isolate the audio ground from the chassis ground.

- **Universal AC Power**

AC power range is a universal 100 to 120V or 220 to 240V AC, 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 switch.

When you need superlative, uncompromising audio quality but can't justify the use of a dual 30 band EQ such as the Australian Monitor EQ302, the EQ152 is the graphic equalizer to choose.

Its compact High Density design, clean lines, and precision electronics make the Australian Monitor EQ152 an attractive solution for all your installation equalization applications.

Technical Specifications

EQ152

Input Impedance

Balanced 20 Kohms
Unbalanced 10 Kohms

Input Headroom

+ 23 dB

CMRR

>55 dB, 20 Hz—20 KHz

Output Impedance

Balanced 300 ohms
Unbalanced 150 ohms

Output Level (Max)

+ 23 dB

Frequency Response

10Hz-20KHz \pm 0.25dB

Signal to Noise ratio

-93 dB Unweighted
-98 dB 'A' weighted

Distortion

.0035% THD, 0dB, 1KHz

Dynamic Range

116 dB

High Pass Filter

30 Hz

Power Requirements

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

Weight

10lbs/4.5Kg

Dimensions

19"W x 3½"H x 9"D
482 x 89 x 230mm

Input Connector type

XLR, Balanced Jack

Output Connector type

XLR, Balanced Jack

Architect's Specifications

The Graphic Equalizer shall be a dual channel unit in a steel chassis nine inches deep and two rack units high, with a brushed aluminium front panel.

Each channel shall have 15 maximum travel, well damped centre grounding sliders on standard ISO frequencies, from 25 Hz to 16KHz.

At the 0 point each slider shall effectively be off, and removed from the circuit.

Each channel shall also have a hardwire Bypass switch on the front panel, 30 Hz High Pass filter switch, and a range switch to change the maximum cut or boost between \pm 15dB and \pm 6dB.

There shall also be an LED to indicate the onset of clipping. In addition, each channel shall have a rotary Gain control, from infinity through 0dB to +6dB gain.

The equalizer shall have electronically Balanced inputs and

outputs, on both TRS jack and XLR type connectors, with passive RFI filters and an Input impedance of 20 Kohms (10 Kohms unbalanced).

The Input headroom shall be +23dB, with a CMRR of better than 52dB, and the frequency response shall be 10 Hz to 20 KHz, \pm 0.25dB.

The Output impedance shall be 300 ohms (150 unbalanced), and the maximum Output level shall be +23dB, with a Signal to Noise ratio of better than -101dB 'A' weighted (-93dB unweighted).

Total Harmonic Distortion shall be .0035% @ 0dB, 1 KHz, and the unit shall have a dynamic range of 116dB. On the rear panel there shall also be an audio ground lift switch.

AC 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 Graphic Equalizer shall be the Australian Monitor EQ152



Australian Monitor

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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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