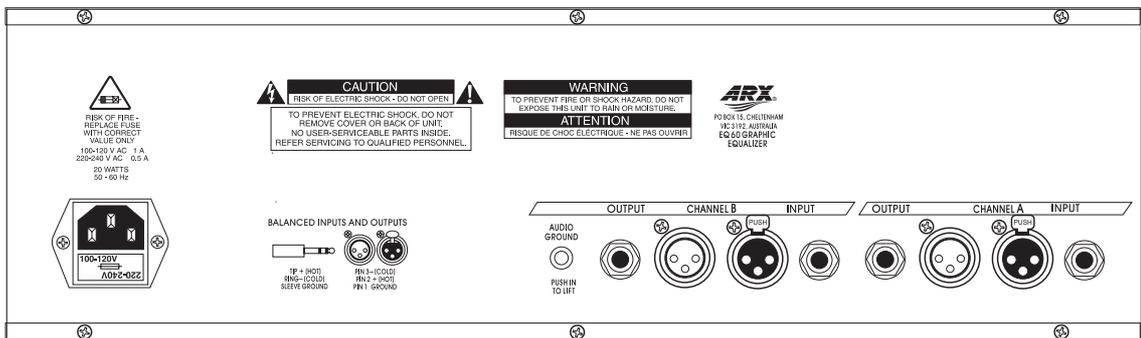
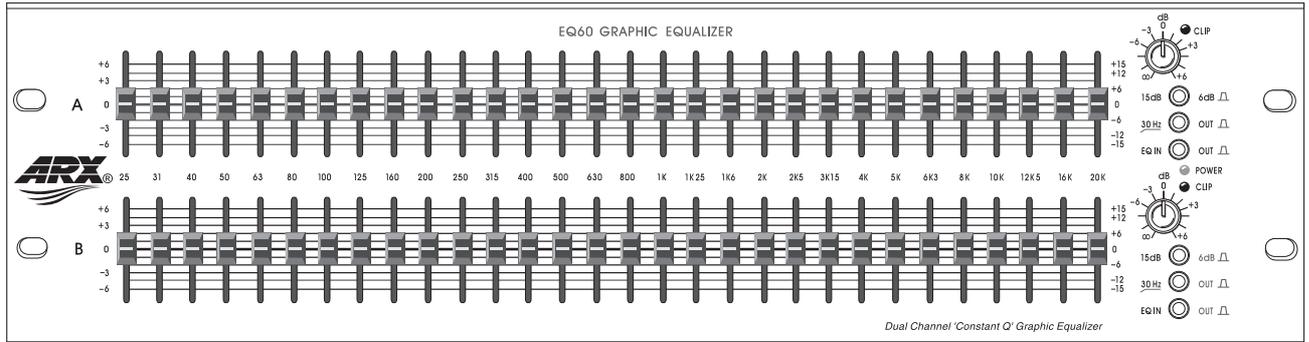


EQ60

Dual Channel 'Constant Q'
Third Octave Graphic Equalizer



The ARX EQ60 is a dual channel 30 band graphic equalizer designed to give flawless professional performance yet take up minimal rack space; neatly housed in a compact 3 RU all steel chassis.

Quality

On the rigid, non-flex extruded aluminium front panel, each channel has 30 maximum throw, smoothly 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 up to +6 dB of Gain; a Clip LED to indicate circuit overload, a switchable 30 Hz High Pass filter, and a hardwire Bypass switch which completely removes the EQ60 from the signal path.

Constant Q Accuracy

Internally, the EQ60 features innovative Constant Q circuitry. Why is this good? Well, it 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.'* When combined with the 60 individual filters in the EQ60, you have an equalizer that is unsurpassed for total accuracy.

Additionally, at the 0dB slider centre position each filter is, in effect, removed from the circuit to further enhance the EQ60's low noise figures. All circuit boards are connected with flexible computer grade ribbon cables to stand up to the rigours of touring.

Fully Balanced

On the rear panel, the EQ 60 has true differential Balanced Inputs and Servo Balanced Outputs, on both XLR as well as convenient TRS jack connectors, and 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, and is connected to the unit via a removable power lead and standard 3 pin IEC connector, with built-in fuse and voltage switch.

The EQ60 delivers superlative, uncompromising audio quality in any pro audio application. With its compact High Density design, clean lines, and precision electronics, it provides an attractive solution for all equalization applications, including the exacting requirements of Digital Audio.

A single channel version, the EQ30, is also available. It is electronically identical, and housed in a 2 RU package.

Features

- ✓ Superb, uncompromising audio quality
- ✓ Ultra low noise 'Constant Q' circuitry
- ✓ Balanced Inputs and Outputs on XLR and Jack connectors
- ✓ Rigid non-flex extruded aluminium front panel
- ✓ Switchable 6dB or 15dB cut and boost
- ✓ Switchable High Pass filter
- ✓ Audio Ground lift switch on rear
- ✓ Intuitive, 'user friendly' layout
- ✓ Flawless performance in any audio environment
- ✓ Security cover available

EQ60 Specifications

Input Impedance

Balanced 40 Kohms
Unbalanced 20 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±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

Input Connector type

XLR, Balanced Jack

Output Connector type

XLR, Balanced Jack

AC Requirements

100/120 V AC
220/240 V AC

Weight

10lbs/4.5Kg

Dimensions

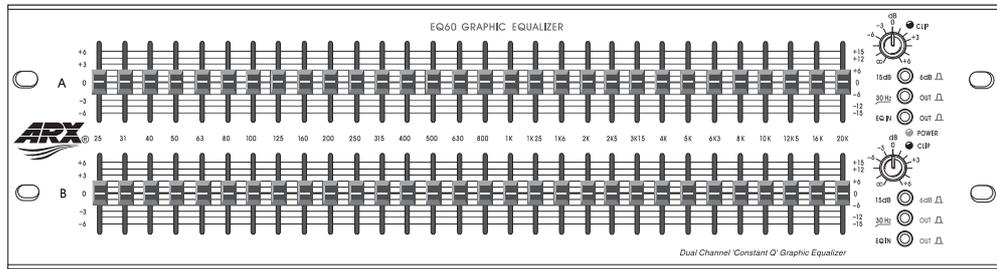
EQ60

19"W x 5¼"H x 9"D
482 x 132 x 230mm

EQ30

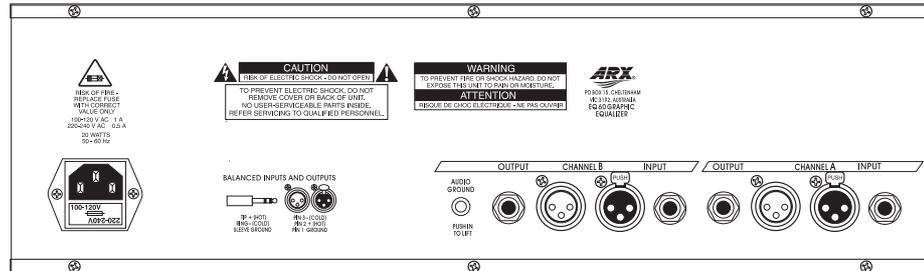
19"W x 3½"H x 9"D
482 x 89 x 230mm

Note:EQ30 specifications are electronically identical, except that it is a single channel unit



Front Panel

- 30 maximum throw, smoothly damped centre grounding sliders on ISO standard frequencies, 25 Hz to 20 KHz
- Infinity through to +6dB Gain control
- LED clipping indicator
- 30 Hz High Pass filter switch
- 15 or 6 dB EQ Cut/Boost range switch
- Hardwire bypass EQ IN/OUT switch



Rear Panel

- Balanced Inputs and Outputs, on both XLR and TRS jack connectors.
- Audio Ground Lift switch
- AC input connector, with voltage switch and fuse.

Architects' and Engineers' Specifications

The Graphic Equalizer shall be a dual channel unit in a steel chassis nine inches (230mm) deep and three RU high, with an extruded aluminium front panel.

Each channel shall have 30 centre grounding sliders on standard ISO frequencies, from 25 Hz to 20 KHz. At the 0 point each slider shall be grounded, and in effect 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 ± 15dB and ± 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 40 Kohms (20 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, ± 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 -98dB '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 ARX EQ60. In a single channel unit the Graphic Equalizer shall be the ARX EQ30.

Specifications available on disk



Your ARX dealer is:

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<http://www.arx.com.au>

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.

