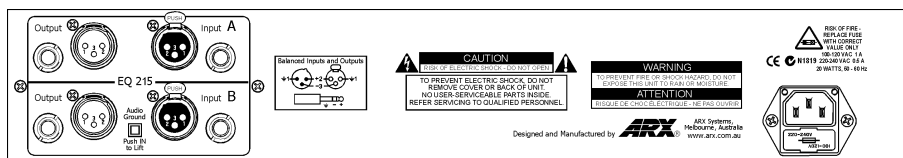
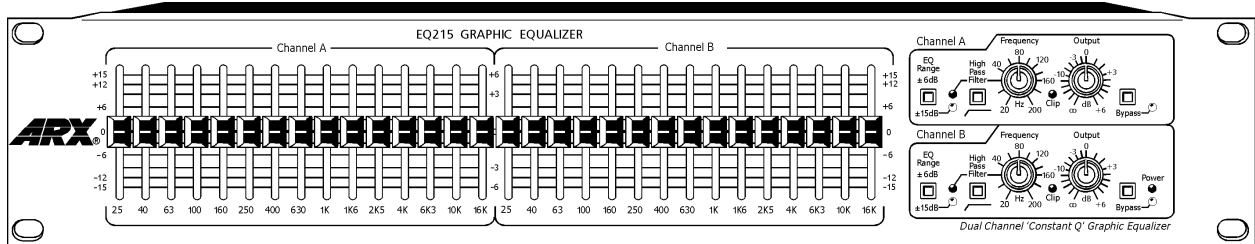


EQ215



DUAL CHANNEL 'CONSTANT Q' 15 BAND GRAPHIC EQUALIZER



Building on 20 years of EQ design and manufacture, ARX once again redefines the standard for Graphic Equalizers!

There are times when a 10 band Graphic Equalizer isn't enough, but a 30 band EQ is too much. For times like these, we've designed the **ARX EQ215**. It's a dual channel 15 band Graphic Equalizer built to the same exacting standards as our EQ260, but designed especially for non-critical applications where the program material is predominantly pre-recorded and pre-processed.

Typical installation applications are, for example, in AV installs, Karaoke bars, home theatre, project studio control rooms or DJ systems.

Delivering flawless professional performance, it is neatly housed in a compact 2 RU all steel chassis.

Quality you can feel

On the EQ215's satin grey front panel, each channel has 15 of our new **Extended Resolution** long throw, centre grounding sliders, switchable to either $\pm 15\text{dB}$ or $\pm 6\text{dB}$, for the ideal combination of high fader resolution and maximum cut and boost.

As well, there is a Gain recovery control with up to $+10\text{ dB}$ of gain; a Clip LED to indicate circuit overload, a switchable, sweepable 20-200Hz High Pass filter, and a hardwire bypass switch which removes the EQ15 completely from the signal path.

Accurate Constant Q Circuitry

Internally, the EQ215 features innovative Constant Q circuitry. The primary visual benefit of this is that the graphical representation of the sliders on the front panel more

accurately reflects the changes you are making to the sound - in other words, **'what you see is what you get.'**

Combine this with the EQ215's ultra low noise circuitry, 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 EQ215's low noise figures.

Balanced Inputs and Outputs

On the rear panel, each channel of the EQ215 has true differential Balanced Inputs and Servo Balanced Outputs, with both XLR as well as convenient TRS balanced 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, 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, we believe the EQ215 is the only graphic equalizer to choose.

With its compact High Density design and precision electronics, the ARX EQ215 will truly enhance any pro audio application.

Features

- ➔ Flawless performance in any audio environment
- ➔ XR *Extended Resolution* long throw faders
- ➔ Ultra low noise 'Constant Q' circuitry
- ➔ Balanced Inputs and Outputs on XLR and Jack connectors
- ➔ Switchable 6dB or 15dB cut and boost
- ➔ Sweepable High Pass filter 20-200Hz
- ➔ Audio Ground lift switch on rear
- ➔ Intuitive controls
- ➔ User friendly layout

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

Gain Control

∞ to +10dB

High Pass Filter

Sweepable 20 -200Hz

Input Connector type

XLR: Pin 2 +, Pin 3-
Pin 1 Ground

Balanced Jack: Tip +,
Ring-, Sleeve Ground

Output Connector type

XLR, Balanced Jack
wired as above

AC Requirements

100-120, 220/240 V AC
50-60 Hz, 18 VA

Weight

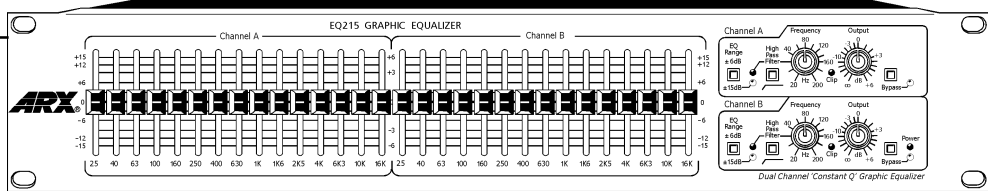
12lbs/5Kg

Dimensions

19"W x 5¼"H x 8"D
482 x 132 x 205mm

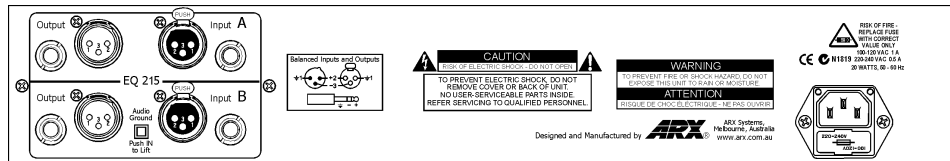


Our policy is one of continuous improvement, and therefore designs may change without notice. However, unless otherwise stated, specifications will always equal or exceed those previously given.



Front Panel

- 15 x 60mm Extended Resolution long throw, centre grounding sliders per channel on ISO standard frequencies, 25 Hz to 16 KHz
- Infinity through to +10dB Gain control
- LED clipping indicator
- 20 - 200Hz sweepable High Pass filter
- High Pass filter bypass switch and LED
- 15 or 6 dB EQ Cut/Boost range switch and LED
- Hardwire EQ Active switch and LED
- AC power indicator LED



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

ARX Systems are based in Melbourne, Australia, where all ARX Products are assembled and tested in our 'state-of-the-art' manufacturing facility

For over 20 years ARX has designed, manufactured and supported Audio Products for Professional users and applications worldwide

Architectural Specifications

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

Each channel shall have 15 x 60mm (45mm travel) long throw 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, a High Pass filter sweepable between 20 and 200 Hz, 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 + 10dB 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 55dB, and the frequency response shall be 10 Hz to 20 KHz, ± 0.25dB.

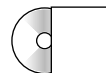
The Output impedance shall be 300 ohms (150 unbalanced), and the maximum Output level shall be + 23dB, with a Signal to Noise ratio of better than -98dB 'A' weighted (-93dB unweighted).

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 EQ215.

Specifications available on CD ROM.
Latest updates available at:
www.arx.com.au



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