

Q Series Specifications

MODEL	Q-130	Q-215	Q-230
INPUT/ OUTPUT			
Connectors:	1/4" TRS, female XLR(pin 2 hot)	1/4" TRS, female XLR(pin 2 hot)	1/4" TRS, female XLR(pin 2 hot)
Type:	Electronically balanced/ unbalanced, RF filtered	Electronically balanced/ unbalanced, RF filtered	Electronically balanced/ unbalanced, RF filtered
Input Impedance:	Balanced 20k ohm, unbalanced 10k ohm	Balanced 20k ohm, unbalanced 10k ohm	Balanced 20k ohm, unbalanced 10k ohm
Max Input Level:	> +21dBu balanced or unbalanced	> +21dBu balanced or unbalanced	> +21dBu balanced or unbalanced
CMRR:	>40dB, typically >55dB at 1kHz	>40dB, typically >55dB at 1kHz	>40dB, typically >55dB at 1kHz
Type:	Impedance-balanced/ unbalanced, RF filtered	Impedance-balanced/ unbalanced, RF filtered	Impedance-balanced/ unbalanced, RF filtered
Output Impedance:	Balanced 100 ohm, unbalanced 50 ohm	Balanced 100 ohm, unbalanced 50 ohm	Balanced 100 ohm, unbalanced 50 ohm
Max Output Level:	> +21dBu balanced/ unbalanced into 2k ohm or greater	> +21dBu balanced/ unbalanced into 2k ohm or greater	> +21dBu balanced/ unbalanced into 2k ohm or greater
SYSTEM PERFORMANCE			
Bandwidth:	20Hz to 20kHz, +0.5/-1dB	20Hz to 20kHz, +0.5/-1dB	20Hz to 20kHz, +0.5/-1dB
Frequency Response:	<10Hz to >50kHz, +0.5/-3dB	<10Hz to >50kHz, +0.5/-3dB	<10Hz to >50kHz, +0.5/-3dB
Dynamic Range:	108 dB	108 dB	108 dB
Signal-to-Noise:	90 dB	90 dB	90 dB
THD + Noise:	<0.004%	<0.004%	<0.004%
Interchannel Crosstalk:	<-80dB, 20Hz to 20kHz	<-80dB, 20Hz to 20kHz	<-80dB, 20Hz to 20kHz
FUNCTION SWITCHES			
EQ Bypass:	Bypasses the graphic equalizer section in the signal path	Bypasses the graphic equalizer section in the signal path	Bypasses the graphic equalizer section in the signal path
Low Cut:	Activates the 50Hz 12dB/ octave high-pass filter	Activates the 50Hz 12dB/ octave high-pass filter	Activates the 50Hz 12dB/ octave high-pass filter
Range:	Selects either +/- 6dB or +/-12dB slider boost/cut range	Selects either +/- 6dB or +/-12dB slider boost/cut range	Selects either +/- 6dB or +/-12dB slider boost/cut range
POWER SUPPLY			
Operating Voltage:	100VAC 50/60Hz, 120VAC60Hz, 230VAC 50/60Hz	100VAC 50/60Hz, 120VAC60Hz, 230VAC 50/60Hz	100VAC 50/60Hz, 120VAC60Hz, 230VAC 50/60Hz
Power consumption:	12W	12W	12W
Mains Connection:	IEC receptacle	IEC receptacle	IEC receptacle
DIMENSIONS/WEIGHT			
Dimension:	482.6 x 170 x 88 mm	482.6 x 168 x 44mm	482.6 x 168 x 88 mm
Weight	4.0 kg	2.96 kg	3.93 kg

PROFESSIONAL EQUALIZERS

Q Series



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Q Series



The Q Series equalizers have been designed for complex tonal correction and elimination of feedback of difficult acoustic environments, suitable for improving the intelligibility of an installed system, or taming feedback in a portable live sound reinforcement system.

The Q Series consists of three models: Q-130 is a single channel, constant Q, 1/3 octave graphic equalizer; Q-215 is a dual channel, constant Q, 2/3 Octave equalizer and Q-230 is a dual channel, constant Q, 1/3 Octave equalizer.

The Q Series provides transparent and accurate frequency shaping capability in an easy to use package. The separate frequency bands, ranging from 25 Hz to 20kHz allow you to "tune" the sound system to the room to create the best sounding system. It uses balanced and unbalanced Input/Output connectors to allow you to use it in a variety of applications.

The Q Series has many user-friendly features. These easy to adjust and use features include: long travel slide faders (Q-130), by-pass switch, soft limit switch, variable high pass filter control and easy to read LED meters. Last but not the least, the rack-mountable chassis allows you to quickly install the units into an equipment rack or your audio cabinet.



Q-130:
Single Channel 30 band, 1/3 Octave Equalizer
2U, 19" rackmount chassis



Q-215:
Two Channels 15 band, 2/3 Octave Equalizer
1U, 19" rackmount chassis



Q-230:
Two Channels with 30 band, 1/3 Octave Equalizer
2U, 19" rackmount chassis

Features

- Constant Q filters mean the each bands bandwidth remains the same irrespective of gain. This means the deep notches sometimes required to remove feedback from a challenging venue remain transparent, and your sound remains full and clear.
- Professional long throw slide faders (Q-130).
- Switchable 6dB / 12dB fader range allows precise gain adjustment.
- Switchable bypass with LED indicator allows for fast A/B comparison between dry and processed audio.
- Four LED output level meter plus input clip indicator allows for simple and accurate control of gain structure.
- Sweepable 40Hz -100Hz 12dB/oct HPF to protect LF drivers from over excursion and increase overall system headroom, reduce LF feedback and improve vocal intelligibility.
- Input gain adjustable between -inf dB and +6dB.
- Built in soft limit helps prevent overloads that damage speakers.
- XLR/ 1/4" TRS balanced/unbalanced inputs/outputs.
- 20mm faders for precise adjustment in compact chassis.
- Ground lift switch quickly solves earth loop and external noise issues.