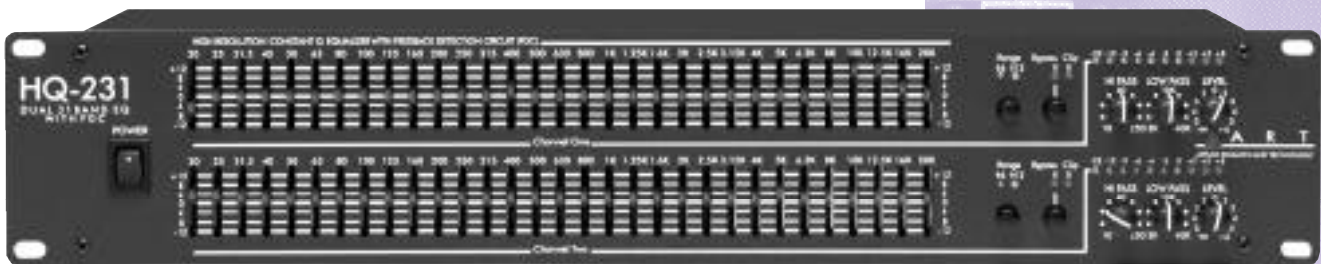


# HQ-231



## DUAL 31-BAND GRAPHIC EQUALIZER WITH FDC™ FEEDBACK DETECTION CIRCUIT



The ART HQ-231 Dual 31-Band EQ features ART's proprietary FDC™ (Feedback Detection Circuit) found exclusively in ART equalizers. FDC shows you exactly where feedback is occurring – quickly and precisely – making the proper attenuation of offending frequencies fast and easy.

Professional quality features, functionality and a new low-noise design make the HQ-231 an outstanding equalizer. The HQ-231 has Constant-Q filtering with ISO centers, independent variable high-pass and low-pass filters, LED-illuminated detented slide potentiometers, switchable +/- 6db or +/- 12db boost/cut range, independent level and bypass controls, and EQ output LED metering.

During operation, various EQ band LED's will illuminate as the HQ-231 processes a signal. The loudest band will correspond with the brightest LED. When feedback occurs, FDC (and it's brightest LED) shows you exactly where to attenuate – it's that simple! You'll also know you have properly attenuated the signal as the LED reduces it's illumination.

The HQ-231 EQ circuitry is extremely precise, and the Constant-Q filtering helps the HQ's FDC work with great efficiency. When feedback occurs at a certain band, the ensuing attenuation will not affect surrounding bands. This precision is, of course, absolutely critical for professional applications and situations where top audio performance is a requirement.

Additionally, FDC enables you to observe those frequency bands with the greatest energy when program material is being played, and can help to quickly locate dominant room modes during system setup.

The HQ-231 is extremely useful for equalization and feedback elimination in a wide variety of situations, including live sound reinforcement, monitor mixes, nightclub and DJ applications, churches, restaurants and many more environments where precision equalization and feedback detection is essential.

### HQ231 FEATURES:

- ✓ Low Noise - High Performance Circuitry
- ✓ Dual 31-Band EQ
- ✓ FDC™ Feedback Detection Circuit
- ✓ Constant - Q filtering with ISO Centers
- ✓ LED Illuminated Detented Sliders
- ✓ Switchable Power Line Voltage
- ✓ 2U Rack Spaces
- ✓ Independent Variable High-Pass and Low-Pass Filters
- ✓ Switchable +/- 6db or +/-12db Boost/Cut Range
- ✓ Independent Level and Bypass Controls
- ✓ Equalizer Output LED Metering

From the innovative minds at ART.





## HQ-231 DUAL 31-BAND GRAPHIC EQUALIZER WITH FDC™

### SPECIFICATIONS

Dimensions	7.5" d x 19.0" w x 3.5" h
Weight	12 lbs.
Frequency Bands	2x31, 1/3 octave, ISO spacing
Filter Type	Constant Q -3% center accuracy
Range	+/-6dB or +/-12dB selectable
Frequency Response	20Hz- 20kHz, +/-0.5dB
Output Noise	-94dBm (unweighted)
THD + Noise	.01% (20Hz-20kHz+10dBu)
Input/Output Connections	Active balanced XLR and 1/4" TRS Unbalanced RCA
Maximum Input Level	+22dBm
Maximum Output Level	+22dBm
Input Impedance	20K ohms typical
Power (Switchable)	95-125VAC, 50/60Hz 190-250VAC, 50Hz

### HQ-231 APPLICATIONS:

- ✓ Professional, Home and Project Recording Studios
- ✓ Live Sound Systems
- ✓ PA Systems  
Permanent/Fixed Installs
- ✓ Churches and Concert Halls
- ✓ Nightclubs and Practice PA systems
- ✓ DJ and Karaoke Sound Systems
- ✓ Monitoring Systems

Date: \_\_\_\_\_

ART Representative: \_\_\_\_\_

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Notes: \_\_\_\_\_

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ART Representative Information:

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