

The Ultimate Live EQ

EQ Station by TC



The New Benchmark in Live EQ

In 1990 TC Electronic introduced the multi-award winning TC 1128/6032 EQ. It became the benchmark for digitally controlled Graphic EQ's. Now TC Electronic is back in the live business using cutting edge 48 bit DSP processing and superb ADA conversion technology - the result is EQ Station, the next generation EQ solution for the most demanding live-sound applications.

When time and control is of the essence

With EQ Station's intuitive user interface you will be up and running within minutes! You no longer have to choose between ease of operation and a full set of features. The layout of the user interface was designed to fit the live sound requirement for instant access to all major control functions.

EQ, EQ, EQ - now in colors

Based on the highest TC Quality standards, EQ Station gives you Parametric EQ, Graphic EQ, Dynamic EQ, Delay and Limiter. With the high-quality QVGA full-color TFT display located on the front panel, you will always have a clear overview of channel settings - even in direct sunlight.

Less space in the truck, less weight in the air

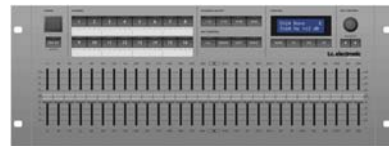
EQ Station comes in 2, 4 and 8 channel versions each taking up only 2 units of rack-space. Compare a 16 channel EQ Station with your typical analog solution - the analog rack will be at least 24U, while the 16 channel EQ Station including remote will occupy only two light-weight 4U cases that can be hand carried to the gig.

Features:

- ▶ Available in 2, 4 and 8 channel configurations
- ▶ Superior QVGA color TFT display (320 x 240 pixel resolution)
- ▶ Separate views and bypassing for Graphic, Parametric and Dynamic EQ
- ▶ Individual Frequency, Bandwidth and Gain Encoders
- ▶ Store/recall of settings (250 User Presets)
- ▶ Linkable channels for stereo and In-Ear Monitor applications

Simultaneous Processing per Channel:

- ▶ 29 Band Graphic EQ
- ▶ 6 band Parametric EQ
- ▶ 3 band Dynamic EQ
- ▶ Delay (600mS)
- ▶ Peak Limiter



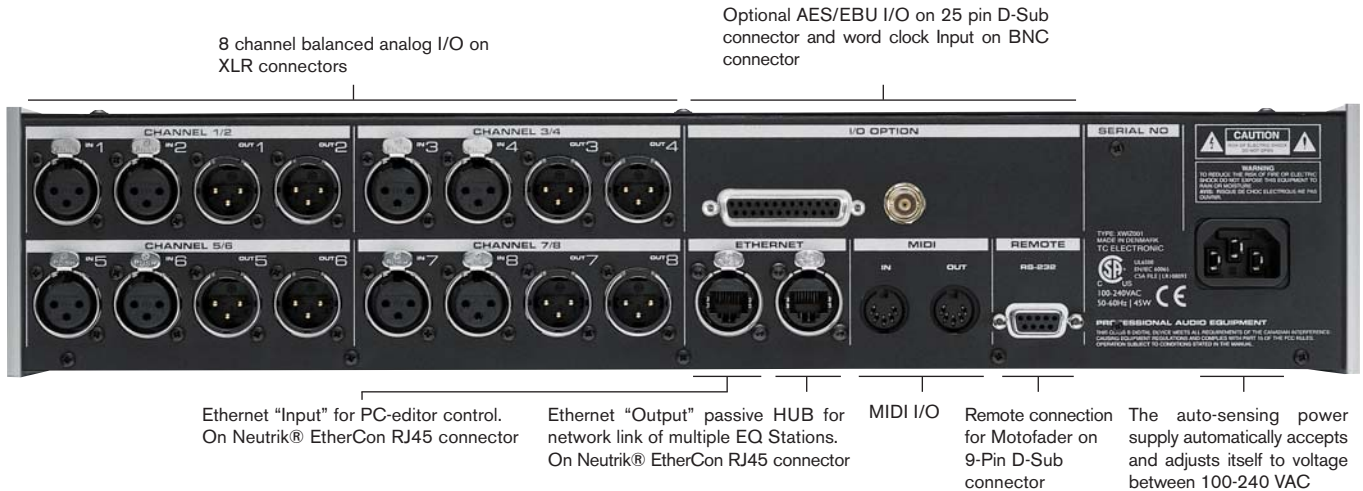
Extensive remote access

Add the MotoFader Remote and you combine the familiar interface of analog graphic EQs with the advanced processing and store/recall functions of the digital world.

EQ Station includes a comprehensive PC/MAC editor that runs on industry standard networks - including the new low cost wireless systems. Imagine equalizing the monitors from your Tablet or Laptop from anywhere on stage!

Dedicated direct access buttons and knobs make it easy to operate and to keep track of what's going on. There are no hidden menus or multiple pages in the various displays, so you know where you are at all times. Several EQ Stations can be connected via standard Ethernet TCP/IP and directly controlled using the included PC/Mac software editor. Since the network

is based on Ethernet TCP/IP, all standard wireless network computer equipment can be connected to an EQ Station setup, enabling wireless control of the entire system, e.g. during systems tuning and sound check. A built in passive HUB in each EQ Station makes it easy to set up a network without adding external HUBs or switches.



Technical specifications:

Analog Inputs and Outputs

Connectors:	XLR balanced (pin 2+, pin 3-)
Input Impedance:	11/4 kohm (Balanced/unbalanced):
Output Impedance:	40/20 ohm (Balanced/unbalanced)
Max Input Level:	+15 to +30 dBu with analog domain scaling
Max Output Level:	+15 to +24 dBu with analog domain scaling
Dynamic Range:	> 110 dB (unweighted), BW: 20-20kHz, note 1
THD:	< -100 dB @ BW: 20-20kHz
Frequency Response, +0/-0.1 dB:	12 Hz - 20 kHz
Crosstalk:	< -110 dB, 20 Hz to 20 kHz
AD and DA Conversion:	24 bit (Dual bit delta sigma sampling at 6.1 MHz)
AD and DA + Processing Delay Total:	1.54 ms

DSP

Internal sample rate:	48 kHz, high performance low jitter clock circuit
Internal processing:	Routing and processing 48 bit fixed point throughout
DSP power:	600 Million Instructions Per Second

Control Interface

Ethernet:	10/100 Mbits/s, Base-T (RJ45 XLR-housed EtherCon connector)
Ethernet passive HUB for network:	10/100 Mbits/s, Base-T (RJ45 XLR-housed EtherCon connector)

MIDI:	In/Out (5-pin DIN connector)
MotoFader-64 remote:	Custom serial interface (9-pin D-Sub connector)

General

Display:	Color TFT, QVGA 320x240 pixels 450 cd/m2 Luminance
Finish:	Anodized aluminum face and side plates Plated and painted steel chassis
Dimensions:	19" x 3.50" x 11" (483mm x 89mm x 274mm)
Weight:	11.95 lbs. (5.4 kg.)
Mains voltage:	100 to 240 VAC, 50 to 60 Hz (auto-select)
Power consumption:	<45W
EMC Complies with:	EN 55103-1 and EN 55103-2 FCC part 15, Class B CISPR 22, Class B
Safety Certified to:	IEC 60065, EN 60065, UL 6500 and CSA E65 (CSA File#LR108093)

Operating/Storage

Temperature:	0° C to 50° C (32° F to 122° F) / -30° C to 70° C (-22° F to 167° F)
Humidity:	Max. 90% non-condensing
Warranty Parts and Labor:	1 year

Note 1: DA converters incorporate a 3 dB headroom above a sine wave at 0 dBFS. Measurement is referenced against the maximum peak output level.

Note: Due to continuous development and standardization all specifications are subject to change without notice

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ULTIMATE SOUND MACHINES

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