



#### Preamplifiers

Acousti-Q  
BlueTUBE  
DigiMAX 96k  
DigiMAX LT  
DigiTUBE  
M80  
MP20  
TubePRE  
VXP

#### Dynamic Processors

ACP22  
ACP88  
BlueMAX  
CL44  
GTX44

#### Equalizers

DEQ624

#### Interfaces

FIREstation

#### Accessories

HP4

## Eureka Professional Recording Channel

Features | Technical Specifications | Diagrams |



The Eureka is a professional recording channel strip containing a discrete class A transformer-coupled preamplifier, FET compressor, and three-band parametric equalizer. The microphone preamplifier features variable impedance so that the Eureka can be matched and "tuned" for all types of microphones and recording. The Class A transformer-coupled microphone preamplifier also features "SATURATE" which adjusts the drive of the input FET amplifier to simulate the effects of tape saturation and tube "warmth".

The Eureka's ultra fast FET compressor has both soft and hard knee compression as well as a separate and hi-pass side chain compression to deliver hard pumping to ultra transparent compression and even more. The Eureka's three-band fully parametric EQ gives you variable Q (bandwidth) on each band as well as a switch to put the EQ before the Compressor in the signal path. The equalizer has overlapping frequency bands for total tonal control and shaping.

The Eureka is loaded with microphone, line and instrument input so you can use it as a front end preamp with microphones, guitars, keyboards, synths as well as a compressor/equalizer on a single channel. The Eureka also has balanced send and return jacks so that you can insert your favorite outboard processor, compressor/EQ to further enhance and customize your sound.

The Eureka gives you the sonic performance and control you need in the real-world to produce professional recordings that you, your customers and your fans deserve!

Retail Price: \$699.95

### Features

- Class A High Headroom Transformer Coupled Microphone Preamplifier
- Variable Microphone Input Impedance
- Variable SATURATE control (simulates tape saturation and tube warmth)
- Fully Variable Compressor with Hi-pass Side Chain
- Three Band Fully Parametric Equalizer
- EQ Pre or Post Compressor
- High Headroom Output Section
- Very Low Noise Design
- Internal Power Supply
- Optional 24-Bit/192k Digital Output Card
- Transparent, wide range performance

### Technical Specifications

Channels  
 Dynamic Range  
 Headroom  
 Frequency Response  
 Internal Operating Level

**Microphone Preamp**

Gain  
 Noise Floor  
 EIN  
 THD + Noise (0% saturation)  
 THD + Noise (full saturation)  
 Microphone Input Connector  
 Microphone Input Impedance (selectable) 2.5k, 1.5k  
 Instrument Input Connector  
 Instrument Input Impedance  
 Send Connector 1/4" TRS  
 Send Output Impedance  
 Return Connector 1/4" TRS  
 Return Input Impedance  
 Metering (3-LED)  
 Line Input (switchable) 1/4" TRS, 10k  $\Omega$   
 Phantom Power (switchable) +4  
 Pad (switchable)  
 Phase (switchable)  
 Hi-pass filter (switchable)

**Compressor**

Threshold (variable)  
 Ratio (variable)  
 Attack (variable)  
 Release (variable)  
 Gain Make-up  
 Hi-pass Side Chain Filter (variable)  
 Metering Analog VU (gain reduction)

**Equalizer**

Low Band (+/-13dB)  
 Mid Band (+/-13dB)  
 High Band (+/-13dB)  
 Q (variable all bands) Q=0.4 to 2 (3)

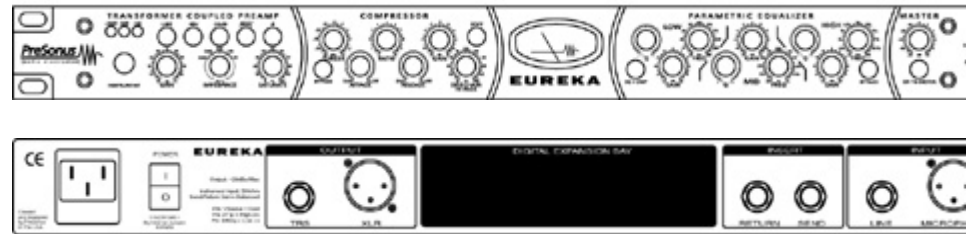
**Master**

Output Fader  
 Output Connectors XLR balanced and 1/4" TRS  
 Output Impedance  
 Metering (output level) Analog VU  
 Meter (gain reduction) Analog  
 Output Headroom

**Physical**

Power Supply Internally Fused  
 Power Requirements (factory configured) 100VAC to 120VAC  
 Size  
 Dimensions  
 Weight

**Diagrams**



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