

General Specifications

We use all discrete transistor class A circuits, the best transformers available, printed circuit board mounted switches and pots, and custom low distortion inductors.

There is no audio in the mute, bypass, phase or pad switches. These functions are accomplished by relays with bi-furcated gold contacts.

Signal capacitors are precision polypropylene or ultra low-leakage electrolytic types. Our boards are assembled on a mil-spec assembly line. Only through hole construction, not surface mount, is used to ensure long term reliability and serviceability.

The chassis are stainless steel for maximum RF and hum rejection and long lasting finish.

The faceplates are laminated with 10 mil polycarbonate with the silk screening on the back so that the printing can never rub off.

Every unit is hand finished, tested, burned in, and tested again. Also, we just couldn't stand to use plastic knobs, so we designed our own massive anodized, engraved aluminum knobs that give a much more precise and quality feel.

I n s t r u c t i o n s

M i c - p r e / E Q

Dimensions:
12.25"H x 1.75"W(V) or 1.75"H x 19"W(H)
10.5"D knobs to back of unit
7 lbs-8 ozs

Power:
48volts dc @ 150 ma

Output Drive: transformer balanced
+28dBv @ 1kHz 600Ω
+26dBv @ 31.5 Hz 600Ω

Frequency Response: ±1db 10Hz to 42kHz 3dB down 56kHz

Noise:
-92db 10Hz to 25kHz

Distortion:
THD+N 0.0033 @ 1kHz
0.0991 @ 20 Hz
IMD 0.0040 @ 50Hz/8kHz

Microphone Input:
The XLR input is transformer balanced, has an input impedance of 1200Ω, provides +48v phantom power and accepts levels from +15dB (with 20dB pad) to -72dB.

Line Input: The XLR input is transformer balanced and has an input impedance >15kΩ.

F E T C o m p r e s s o r I I

Method of Limiting:
FET (Field Effect Transistor) used as a variable resistor

Dimensions:
12.25"H x 1.75"W(V) or 1.75"H x 19"W(H)
10.5"D knobs to back of unit
5 lbs-12 ozs

Power:
48volts dc @ 150 ma

Output Drive: transformer balanced
+28dbv @ 1kHz 600Ω
+26dbv @ 31.5 Hz 600Ω

Frequency Response:
±1db 10Hz to 56kHz 3db down 63kHz
Noise: -82db 10Hz to 25kHz

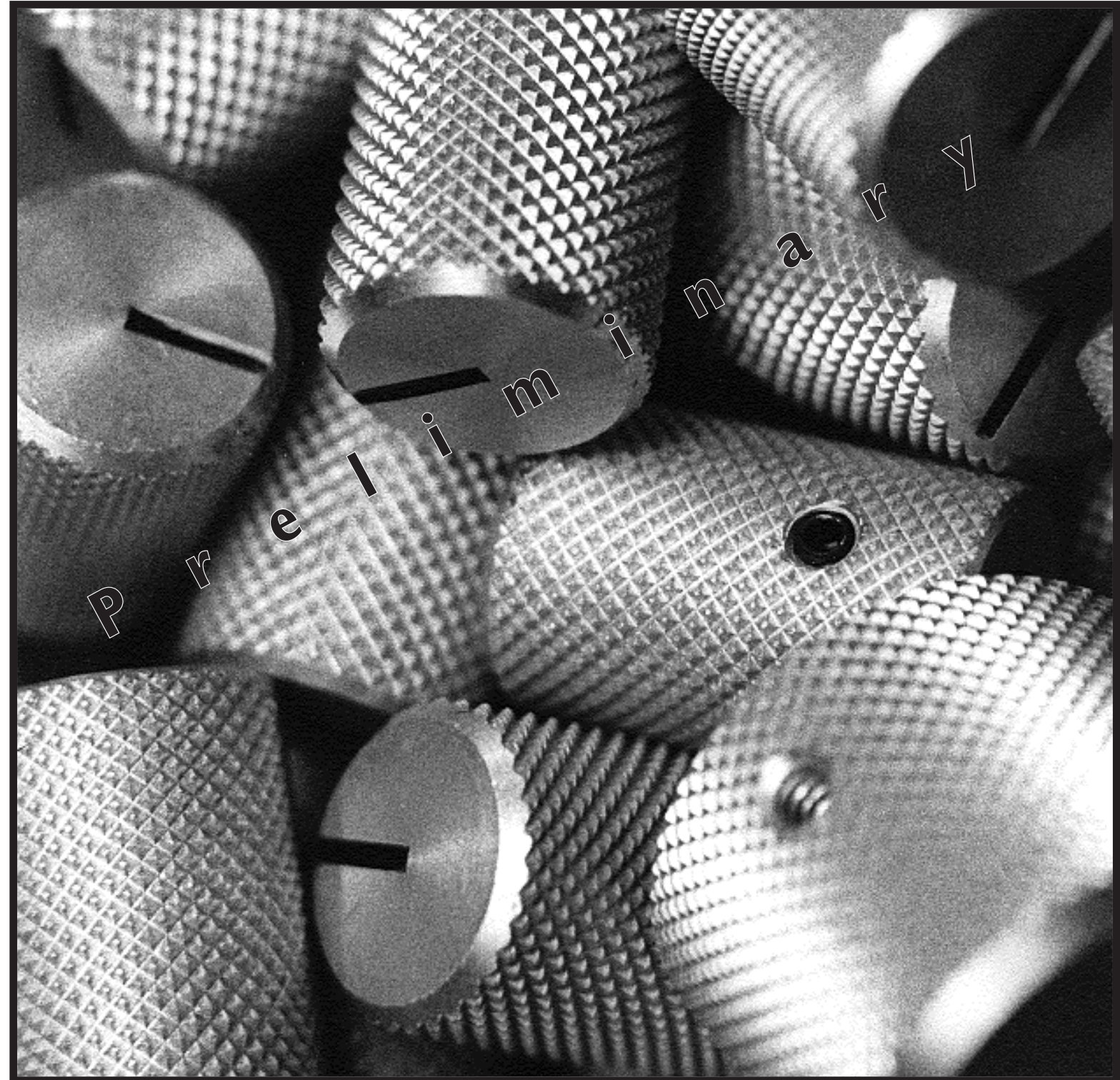
Distortion:
THD+N 0.033 @ 1kHz

Line Input:
The XLR input is transformer balanced, has an input impedance >15kΩ and accepts input levels to +30dB.
The 1/4" jack has 14dB of gain to accept -10dB input signals.

Stereo Link Connection:
Use a 1/4" to 1/4" cord.

Geoffrey Daking & Co., Inc.
P.O. Box 8702
Wilmington, DE 19899 USA
302.658.7003 www.daking.com

All features and specifications are subject to change without notice.



DAKING

Mic-Pre/EQ
FET Compressor II
Power Supply
P/S-4

Daking
90
U.S.A.

FET Compressor II

Ratio:
Determines how much the input must increase for the output to increase.
Example: At 5:1, the input must increase by 5dB for the output to increase by 1dB.

Release:
A. .5 second
B. 1 second
C. 1.5 seconds
D. Neve 33609 Auto
E. A-D Compex Auto
F. Fairchild 670 #5
G. Fairchild 670 #6

Meter Selector:
Input: Input signal
GR: Amount of gain reduction
Output: Output Signal



Threshold:
Selects the input level at which gain reduction occurs in 2dB steps.

Attack:
Adjusts how quickly the gain reduction begins in steps from 250 micro seconds to 64 milli seconds.

Make-up Gain:
Increases the gain of the final output amplifier in 1dB steps. Goes to eleven.

Compress/Limit:
IN: Engages the unit in the mono mode.
By pass: Prevents the unit from limiting. An internal selector switch determines if gain is bypassed.
Stereo Link: Sums the control voltages from 2 or more units. Both must be in Link.

O p e r a t i o n

Mic-Pre/Eq

Gain Switch:
Ten positions for mic and line in 5db steps.
Mic -15 to -60 &
Line +10 to -35

High Shelving:
Small knob selects one of five frequencies
8-10-12-15-20kHz & Out.

Low Mid Peaking:
Small knob selects one of five frequencies
125-250-500Hz-1kHz-2kHz & Out

Mute:
Mutes the channel



Output Level:
Is an output attenuator, NOT a boost/cut control. This should be full up when setting the gain switch. This eliminates the need to go through a console fader while recording.

Line
Selects the Line Input
Pad
Attenuates the Mic input by 20db + 48
Turns on 48 Volt phantom power
Ø
Reverses the phase by 180°.

Low Pass Filter
6db per octave

High Mid Peaking:
Small knob selects one of five frequencies
1.5-3-5-7-9kHz & Out

High Pass Filter
25hz@12db per octave

Low Shelving:
Small knob selects one of five frequencies
30-50-80-100-150Hz & Out

Bypass:
Hardwire bypasses the equalizer.

The large knobs boost or cut by ±15dB