

Technical Manual

UREI PEQ1

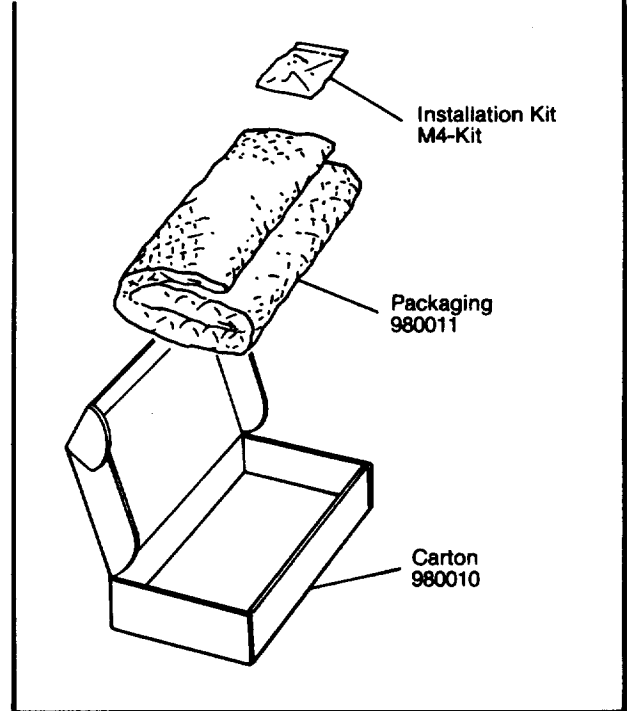
PARAMETRIC EQUALIZER



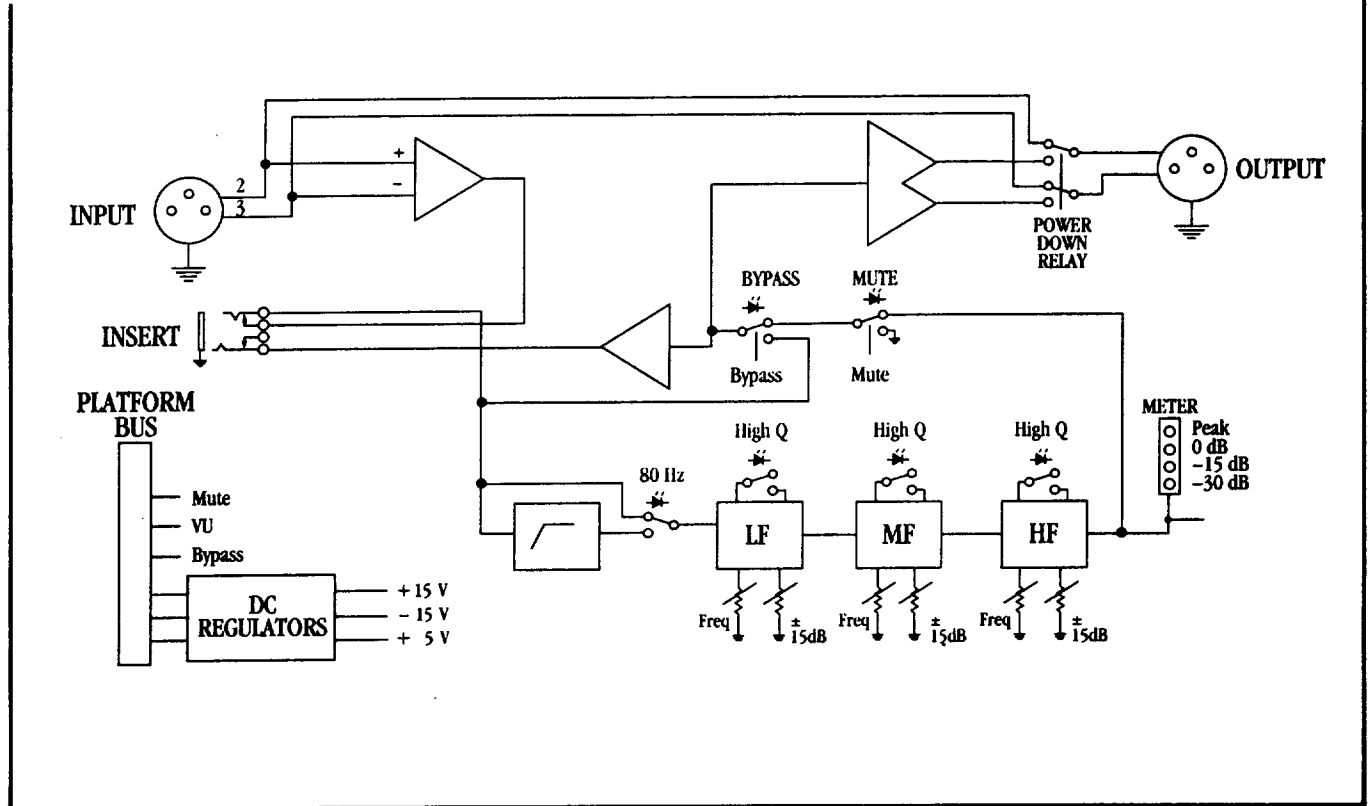
SPECIFICATIONS

- Input: Active Balanced
- Input Impedance: > 20k ohms
- Maximum Input Level: +20 dB
- Frequency Response: 20 Hz to 20 kHz ± 0.5 dB
- Frequency Bands: 30 - 400 Hz, 260 Hz - 3.6 kHz, 800 Hz - 16 kHz
- Gain: -15 to +15 dB
- Q: Switchable per band, 0.5 or 1.5
- High-pass Filter Type: Shelving
- High-pass Filter Cutoff Frequency and Slope: 80 Hz, 18 dB/octave
- Output: Balanced
- Maximum Output Level: +20 dBm into 600 ohms
- Dynamic Range: > 110 dB
- Total Harmonic Distortion: <0.006% typ., 0.02% max. (0 dBu input @ 1 kHz)
- Controls: User adjustable potentiometers for frequency and gain of each band. Pushbuttons for Q of each band, high-pass filter, and bypass.
- Indicators: 4-segment LED level display. LED indicators for high Q of each band, high-pass filter, mute, and bypass.
- Computer Control or Monitoring: Mute, Bypass, Audio VU level
- Connectors:
 - Input and Output: XLR-type 3 pin (pin 2 high)
 - Insert: 6.3mm (1/4 in.) phone jack send/return
- Front Panel Dimensions: 31 x 132mm (1-3/16 x 5-1/8 in.)
- Finish: Black anodized
- Required Equipment: UREI Platform RACK1

PACKAGE



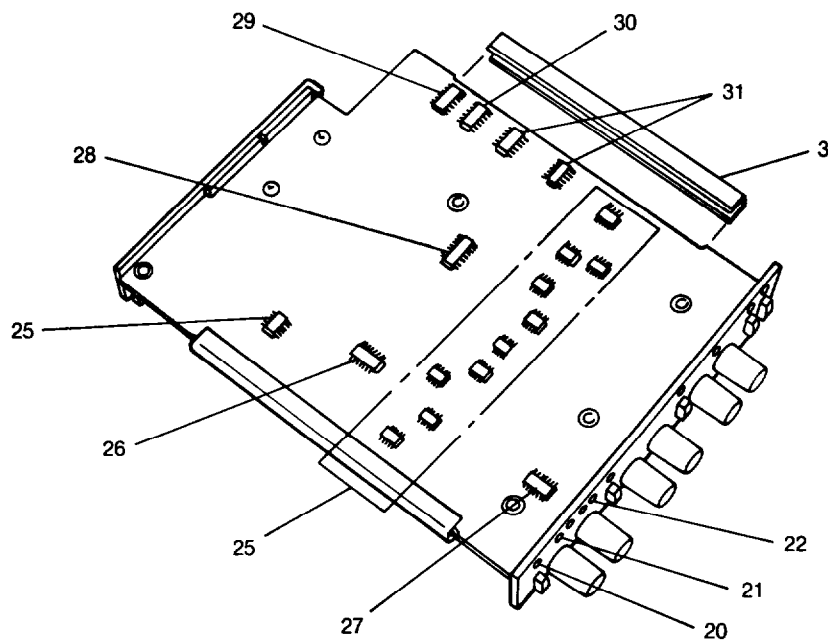
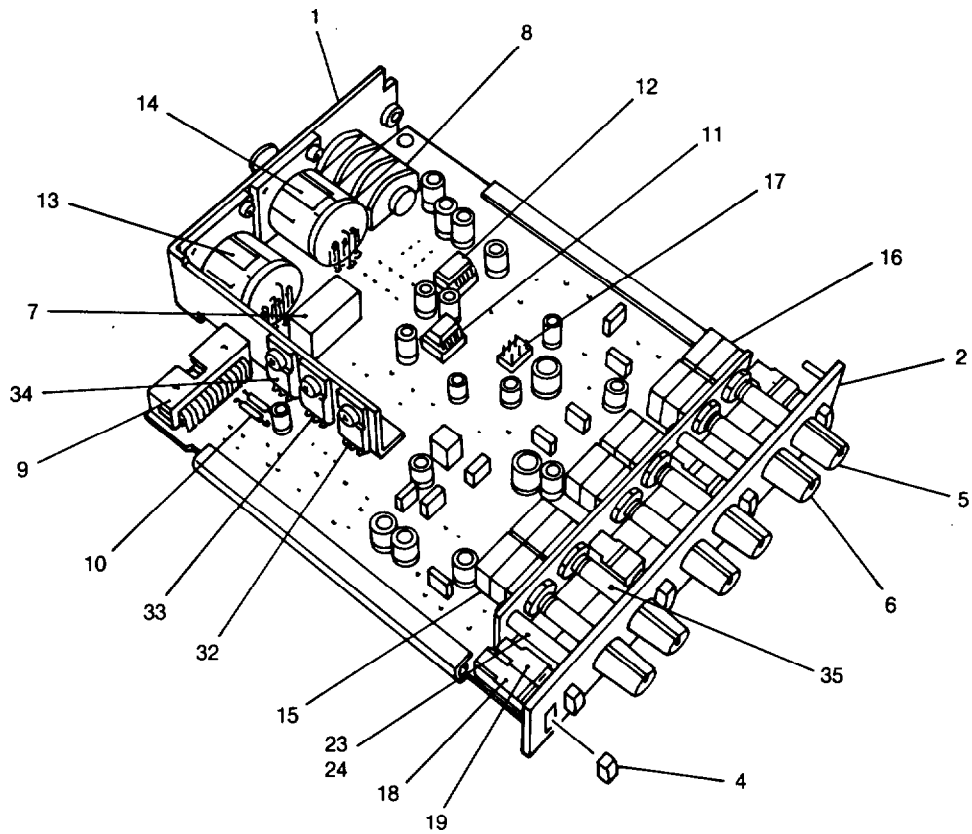
BLOCK DIAGRAM



UREI PEQ1 REV B

UREI PEQ1

COMPONENT EXPLODED VIEW



UREI PEQ1

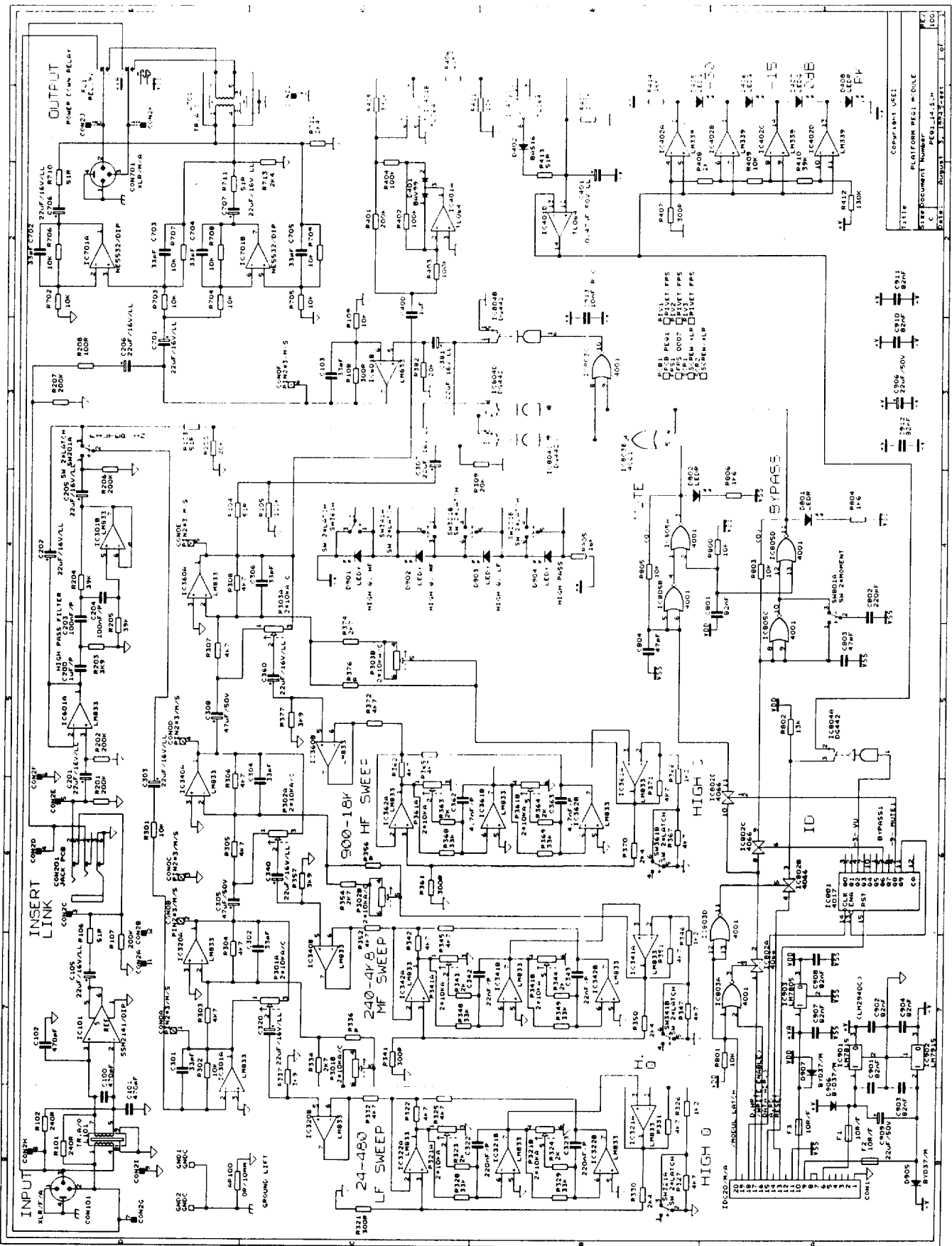
COMPONENT PARTS LIST

	Part Number	Qty	Description	Ref. Des.
1	771009	1	Back Panel, PEQ1	
2	771008	1	Front Panel, PEQ1	
3	770200	2	Module Protector	
4	790010	5	UREI Push Button, blk	
5	790002	2	Knob, UREI, blue line	
6	790001	3	Knob, UREI, white line	
7	705009	1	Relay, DPDT, 9V, DIP	RL1
8	720001	1	Jack, 1/4" St, PC mt	CON201
9	722220	1	IDC20, Male, Rt Angle	CON1
10	005010	3	Axial Fuse Resistor, 10R	F1, F2, F3
11	635532	1	IC, NE5532	IC701
12	623141	1	IC, SSM2141	IC101
13	720022	1	XLR M, PC mt, Rt angle	CON701
14	720021	1	XLR F, PC mt, Rt angle	CON101
15	193310	3	Pot, dual, 10KA, Lin, w/ c. det.	P301, P302, P303
16	190310	3	Pot, dual, 10KA, Lin.	P321, P341, P361
17	720206	1	Header, 2x3	CON0
18	710003	1	Sw, push, DPMC	SW801
19	710002	4	Sw, push, DPDT	SW201, SW321, SW341, SW361
20	403003	4	LED, Yel, 2mA	D901, D902, D903, D904
21	403001	3	LED, Red, 2mA	D408, D801, D802
22	403002	3	LED, Grn, 2mA	D405, D406, D407
23	772502	2	Lockwasher, ext, M3	
24	772112	2	Scrw, M3x6mm	
25	650833	11	SMD IC, LM833M/MC33078D	IC301, IC320, IC321, IC322, IC340, IC341, IC342, IC360, IC361, IC362, IC601
26	650064	1	SMD IC, TL064	IC401
27	650339	1	SMD IC, LM339	IC402
28	650442	1	SMD IC, DG442DY	IC804
29	654017	1	SMD IC, 4017	IC801
30	654066	1	SMD IC, 4066	IC802
31	654001	2	SMD IC, 4001	IC803, IC805
32	647805	1	IC, LM7805, TO220	IC903
33	647915	1	IC, LM7915, TO220	IC902
34	647815	1	IC, LM7815, TO220	IC901
35	150002	6	Shaft, Dual Pot	
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UREI PEQ1

UREI PEQ1

SCHEMATIC DIAGRAM



Complaint USE1
 Platform PEQ1-M-100
 Platform PEQ1-M-100
 PEQ1-M-100
 August 1968

UREI PEQ1

Technical Manual

JBL DSC260



SPECIFICATIONS

ACOUSTIC & ELECTRICAL SPECIFICATIONS:

- Inputs: 2 Channels, Max. Level +20dBu, 10k ohms Impedance, Electronically Balanced, XLR Connectors, Pin 2+
- Outputs: 6 Channels, Individually Configurable, Max Level +10dBu into 600 ohms, Electronically Balanced, XLR Connectors, Pin 2+
- Dynamic Range: >100 dB
- THD: <0.05%, 20Hz-20kHz, @+10dBu
- Configuration: Stereo 2 and 3 way, Mono 4, 5 and 6 way
- Crossover: Butterworth or Linkwitz-Riley with slopes of 12, 18, 24 or 48dB per octave
- Front Panel Controls: Softkeys for programming functions. Mute on each output and LED level meters on each input and output with clip, mute and limit indicators.
- Display: 2 x 16 Character Backlit LCD
- Limiters: Mid Band Limiters with variable threshold of -10 to +10dBu
- Frequency Response: 20Hz - 20kHz ± 0.5 dB
- Power Requirement: 100-240 Volts 50/60Hz $\pm 10\%$
- Sample Rate: 48kHz
- Assignable Equalization: An array of between 8 and 30 bands of parametric equalizer can be assigned to the inputs and outputs. Dependent upon slopes of crossovers used.

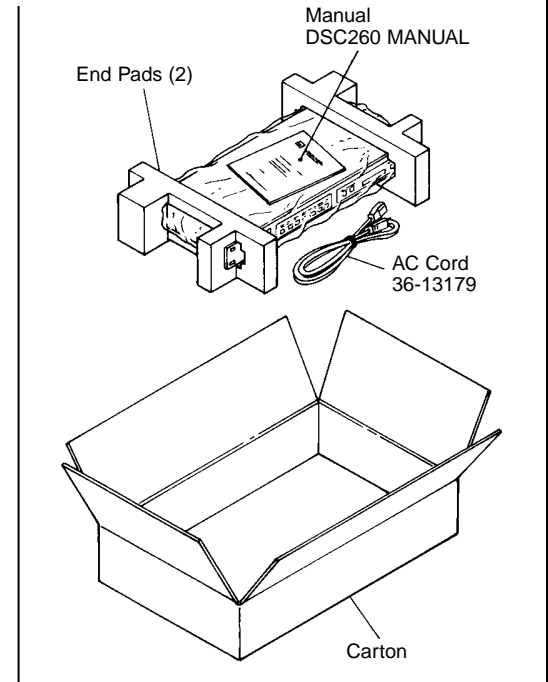
PHYSICAL SPECIFICATIONS:

- Dimensions: 44.4 mm x 483mm x 203mm D (1.75 x 19.0 x 8.0 in. D)
- Weight: 6.2 lbs. (2.8 kg.)

WARRANTY INFORMATION:

- Refer to Warranty Statement packed with each product.

PACKAGE



DSC-260 Programming Flow Chart

