



VENTURA™



Owner's Manual

WARRANTY:

One Year Internal Parts Warranty and a 30-Day Limited Labor Warranty.

Your Warranty begins on the date of purchase. To activate your Warranty, please fill out and mail the Warranty Card to:

A-Designs Audio, Inc.

P.O. Box 4255

West Hills, CA 91304

U.S.A.

Also, your name may be placed on our mailing list for future updates and new product announcements (unless otherwise requested).

A-Designs Audio, Inc. reserves the right to make improvements and/or changes to this product at any time.

Your Warranty Is Void If:

1. This product has been opened by unauthorized personnel.
2. The product serial numbers have been removed or tampered.
3. The product has been damaged by misuse or abuse.
4. Modified and/or repaired by unauthorized personnel.

There Are No User Serviceable Parts Inside.

A-Designs Audio, Inc. warrants that our hardware conforms substantially to the specifications contained in this manual. When used in accordance these specifications, A-Designs warrants for a period of one year from the date of purchase to the original purchaser if purchased from A-Designs or its authorized dealers. In the case of a valid warranty claim, your sole and exclusive remedy is A-Designs Audio, Inc. A-Designs entire liability under any theory of liability will be, at its option, to repair or replace the product without charge or, if not possible, to refund the purchase price to you. This warranty is not transferable and applies only to the original purchaser of this product.

For warranty service contact A-Designs Audio, Inc. at 818-716-4153 to obtain a Return Merchandise Authorization (RMA) number. After obtaining the RMA number, ship defective product to A-Designs Audio, Inc., P.O. Box 4255, West Hills, CA 91304. Write RMA number on the outside of the shipping box. Be sure to include your name, address and phone number with a copy of original sales invoice and detailed description of the problem. A Designs Audio, Inc. will not accept responsibility for loss or damage in shipping.

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A-Designs Audio Inc.

Introduces the VENTURA

A-Designs Audio Inc. is proud to produce a new design to professionals in audio recording. We call it the VENTURA.

Our goal is to bring a solid state design to market that will integrate with the digital world and at the same time deliver analog warmth with a hint of color and richness to your recordings.

Hand-built in the US, the new A-Designs device features three inputs – microphone, instrument and EQ/insert – which may be used together or independently. The product is also equipped with a highly musical three-band parametric EQ and high/low filters, as well as two independent transformer balanced outputs (mic/instrument and EQ).

The heart of the VENTURA is its specially designed discrete bipolar transistor operational amplifier that operates on ± 30 VDC rails. This new Opamp is a high-gain, fast-slew, stable audio block with virtually no DC offset over the audio spectrum and is capable of driving a 50 ohm load at 50 Hz with very little current draw. It is used in the microphone preamp, instrument input amp and main and EQ and output stages.

Features

- Solid State Design
- Three Specially Designed Discrete Operational Amplifiers
- Jensen Input Transformer
- Cinemag Output Transformers
- Single 1U Rack Space Steel Chassis
- Balanced Gold Neutrik XLR Input Connectors
- Balanced Gold Neutrik XLR - Direct and Main Output Connectors
- Separate Gain Controls for Mic and Instrument Inputs
- -20dB Pad Switch
- +48Vdc Phantom Power Switch
- Phase Switch
- Blue LED Power Indicator
- ON/OFF Switch
- Toroidal Power Transformer
- Discrete Mic Preamplifier with 72dB of Gain
- Discrete Instrument Input Preamplifier
- Red LED Phantom Indicator
- True Three Band Parametric Equalizer
- 2 Filters - High Pass / Low Pass
- TRS Balanced Insert Return / EQ Input
- Silver Contact High Durability Toggle Switches

In line with our company policy of continuous development, the above features are subject to change without notice.

TECHNICAL DATA

Input Impedance

Microphone	1.4k ohms typical
Instrument	20Meg ohms nominal
Insert / EQ Input	15K ohms

Gain Range

Microphone	-62dbv to +30dbv
Instrument	70db
Insert / EQ Input	0dbv to +26dbv

Noise (EIN) -120dbm

Phantom Power +48VDC

Balanced XLR Outputs 600 ohms nominal

Frequency Responses. better than 20Hz to 20KHz

Distortion 0.01%

Power Requirements 120 / 230 VAC - 23 Watts

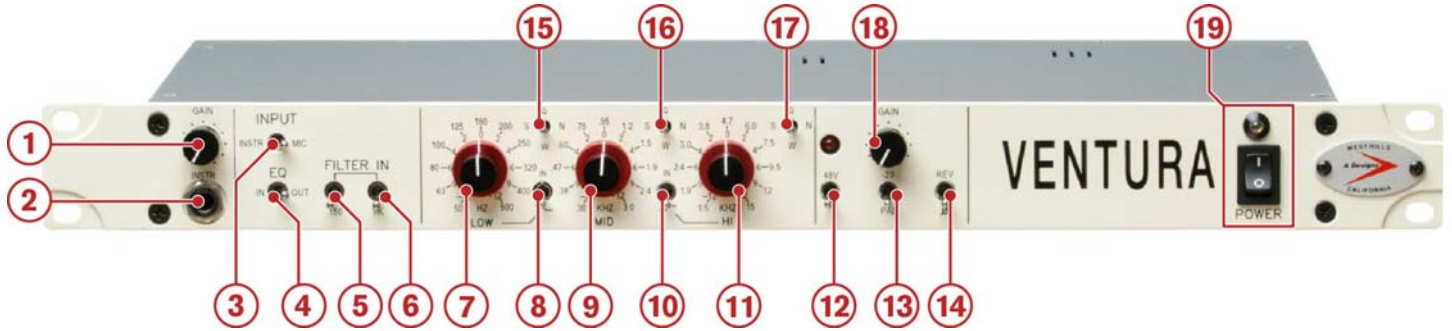
Dimensions 19" x 1.75" x 10"

Weight 14lbs. - 16.5 lbs. shipping weight

In line with our company policy of continuous development, the above specifications are subject to change without notice.

Functions

Front Panel



- 1 Gain Control Pot** – Adjusts the level of the Instrument Input Preamplifier.
- 2 Instrument Input Jack** – Use this ¼" unbalanced phone jack with high impedance Instruments like guitars and synthesizers.
- 3 Input Select Switch** – Determines which Input is sent through the system, Mic or Instrument.
- 4 EQ Switch** – Activates the Three Band Equalizer section.
- 5 High Pass Filter Switch** – 150 Hz low roll-off is a 12db, 2nd order slope with the switch in the up position and works independent of the Equalizer.
- 6 Low Pass Filter Switch** – 9K Hz high roll-off is a 12db, 2nd order slope with the switch in the up position and works independent of the Equalizer.
- 7 Low Band Concentric Switch** – Black Inner Knob is the cut/boost gain switch for that band.— Red Outer Knob selects the Frequency affected.
- 8 Low Band Shelf Switch** – In the up position it changes the Low Band from peak to a shelf type. Also, it defeats Low Q Switch.
- 9 Mid Band Concentric Switch** – Black Inner Knob is the cut/boost gain switch for that band. – Red Outer Knob selects the Frequency affected.
- 10 High Band Shelf Switch** – In the up position it changes the High Band from peak to a shelf type. Also, it defeats High Q Switch.
- 11 High Band Concentric Switch** – Black Inner Knob is the cut/boost gain switch for that band. – Red Outer Knob selects the Frequency affected.
- 12 Phantom Power Switch** – In the up position, applies +48Vdc to pins 2 and 3 of the Microphone input Jack. The Red LED will light when Phantom Power is on.
- 13 Pad Switch** – in the up position, applies a -20db attenuation to the Mic Input signal.
- 14 Phase Reverse Switch** – In the up position, flips the Input signal 180 degrees out for phase.
- 15 Low Q Position Switch** – S = Sharp 2.4 curve, W = Wide .7 curve, N = Narrow 7.7 curve.
- 16 Mid Q Position Switch** – S = Sharp 2.4 curve, W = Wide .7 curve, N = Narrow 7.7 curve. (Mid Q is not affected by the position of either shelf switch)
- 17 High Q Position Switch** – S = Sharp 2.4 curve, W = Wide .7 curve, N = Narrow 7.7 curve.
- 18 Microphone Gain Control Pot** – Adjusts the level of the Microphone Preamplifier.
- 19 Power Switch with LED Indicator** – Blue LED will light when the unit powered on.

Functions (continued)

Rear Panel

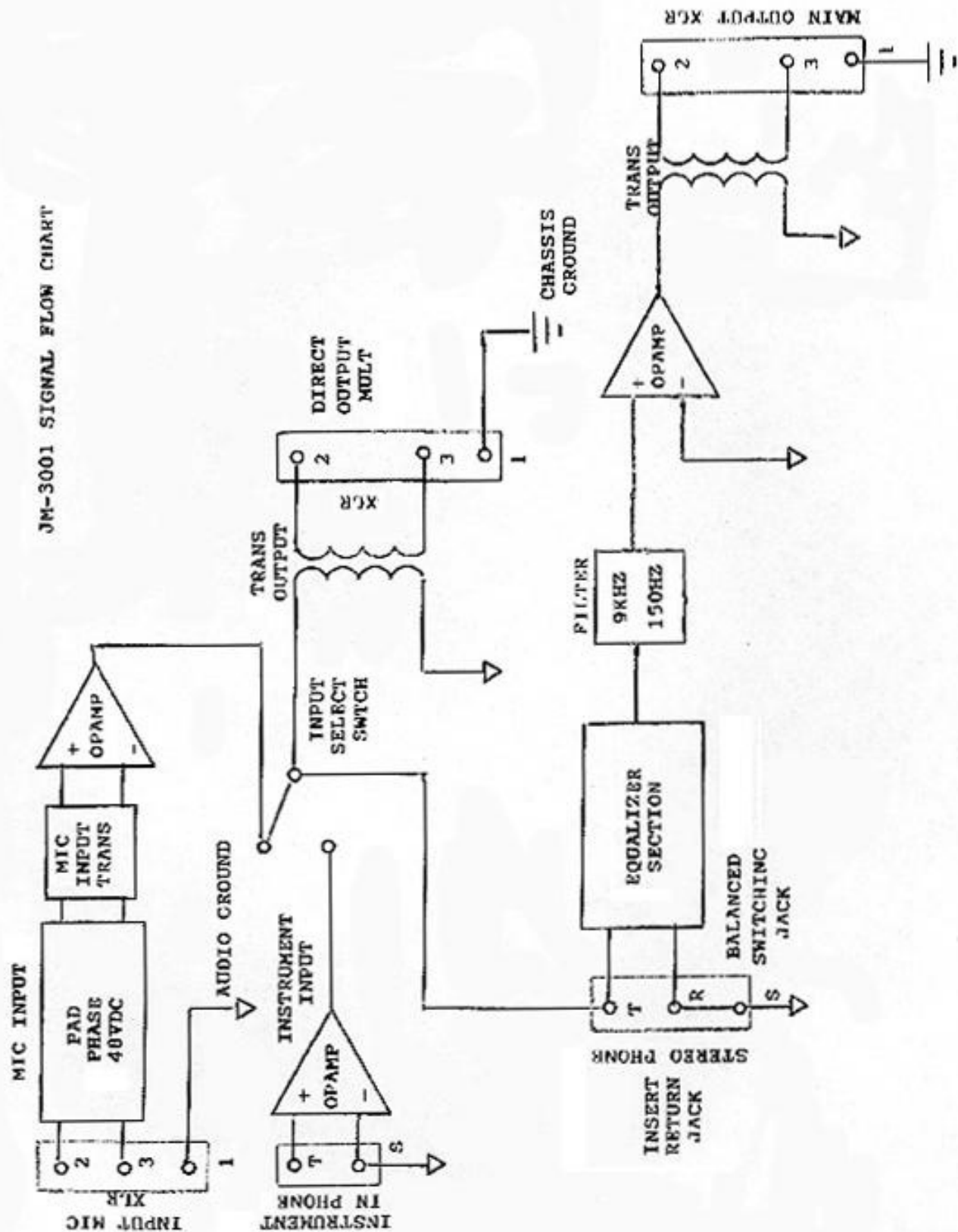


- 20** IEC Cord In – AC Power Mains
- 21** Fuse/AC Power Settings – Holds the Fuse and 110VAC to 220VAC Jumpers.
- 22** Fuse Amperage
- 23** Microphone Input – Balanced XLR with Pin Two Hot at + 4 level.
- 24** Mic/Instrument Output – Balanced XLR with Pin Two Hot at + 4 level.
- 25** EQ Input/insert Return – Balanced TRS Input for Equalizer only or FX return.
- 26** Serial Number
- 27** Main Output – Balance XLR Main System Output with Pin Two Hot at + 4 level.

ALWAYS USE GOOD COMMON SENSE WHEN OPERATING ANY ELECTRONIC EQUIPMENT.
IF YOU HAVE QUESTIONS, PLEASE CONTACT YOUR DEALER OR THE MANUFACTURER BEFORE
DOING ANYTHING!!!!!!

Flow Chart

JM-3001 SIGNAL FLOW CHART



Appendix B

Re-Call Sheets

  	  	  	  	  	 
JM-3001					
POWER 					



A-DESIGNS AUDIO INC.
PRO-AUDIO

P.O. Box 4255
West Hills, CA 91304 USA
(818) 716-4153
www.adesignsaudio.com