

OWNERS MANUAL

HM2 COMPRESSOR, “NAIL” tm



A-DESIGNS AUDIO INC.
PRO-AUDIO

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

LEGAL NOTICE

Fill out and Return Warranty Card to A Designs. Warranty begins the day of purchase. Your name will be placed on our mailing list (unless otherwise requested) for future updates and new product announcements.

A Designs reserves the right to make improvements or changes at any time to this product. Warranty is void if opened by unauthorized personnel or enduser.

Published by: A Designs Audio
P.O. Box 4255
West Hills, CA 91304
U.S.A.
Edition 1.0 2005
Copyright 2005 A Designs Audio
All Rights Reserved.

1 Year Warranty Internal Parts, 30-Day Limited Warranty Labor

A Designs warrants that our hardware conforms substantially to the specifications contained in this manual when used in accordance these specifications for a period of 1 year from the date of original purchase from A Designs or its authorized dealers. In case of a valid warranty claim, your sole and exclusive remedy and 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. The warranty is not transferable and applies only to the original purchaser of the product.

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

Warranty is void if product serial numbers have been removed or if the product has been damaged by abuse or unauthorized modification and repair. There are no user serviceable parts inside.

THIS WARRANTY IS IN LIEU OF ALL WARRANTIES WHETHER ORAL OR WRITTEN, EXPRESSED OR IMPLIED. A DESIGNS AUDIO MAKES NO OTHER WARRANTY EITHER EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY, UNLESS FOR A PARTICULAR PURPOSE OR NONINFRINGEMENT. PURCHASERS SOLE AND EXCLUSIVE REMEDY UNDER THIS WARRANTY SHALL BE REPAIR OR REPLACEMENT AS SPECIFIED HEREIN.

IN NO EVENT WILL A DESIGNS AUDIO BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCREMENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT IN THE PRODUCT, INCLUDING LOST PROFITS, DAMAGE TO PROPERTY AND, TO THE EXTENT PERMITTED BY LAW, DAMAGE FOR PERSONAL INJURY, EVEN IF A DESIGNS AUDIO HAS BEEN ADVISED OF THE POSSIBILITIES OF SUCH DAMAGES.

A Designs, A Designs Audio Inc., and HM2 Compressor are trademarks of A Designs. All other trademarks are the property of their respective owners.

INTRODUCTION

A Designs Audio Inc. Introduces the HM2 Compressor

A Designs Audio Inc. is proud to produce a new design of compression to professionals in the audio recording industry. We call it the HM2 Compressor (Dual channel with stereo link) or as we here at the shop refer to it as The Nail.

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

The Nail does just that and more with some new concepts in the art of compression with features such as a Hard Threshold, Filter, and Mix.

The Hard Threshold works with 3 stages, Threshold, Hard Threshold, and Filter. With the Hard Threshold in off position the Threshold feature reacts more like a Gain Reduction. With the Hard Threshold engaged you then have your choices of filter frequencies to choose from. When you select a frequency with the filter switch you are then allowing all the frequencies above the selected frequency to be hit by compression. The frequencies below the selected frequency will pass through the compressor and still be compressed but in a lessor manor. Almost like having a multi-band but it is by no means a multi-band compressor. And at some point it becomes a Limiter. This is great for working on any style of music that has a kick or bass forward like Hard Rock/Hip hop/Rap.

The next feature that I think is very exciting is the Mix Switch. Some of today's units have what they call a "Wet/Dry" switch which allows you to hear your audio with compression and without but in the case of the Nail the Mix feature allows you to have the best of both worlds with an In/Out Switch and Mix Control. With the Mix Control you can dial in as much of the compression OR as little compression has you need into the signal path. You still can have the wet/dry by simply dialing in "No compression or All compression. So what you are achieving here is mixing the Nail's compression with your original signal. This feature makes the Nail a valued tool for any studio.

So come and explore the endless possibilities the Nail can offer.

CONTENTS

Legal Notice.	Page 2
Introduction.	Page 3
Features.	Page 5
Specifications.	Page 6
Functions.	Page 7

FEATURES

FEATURES

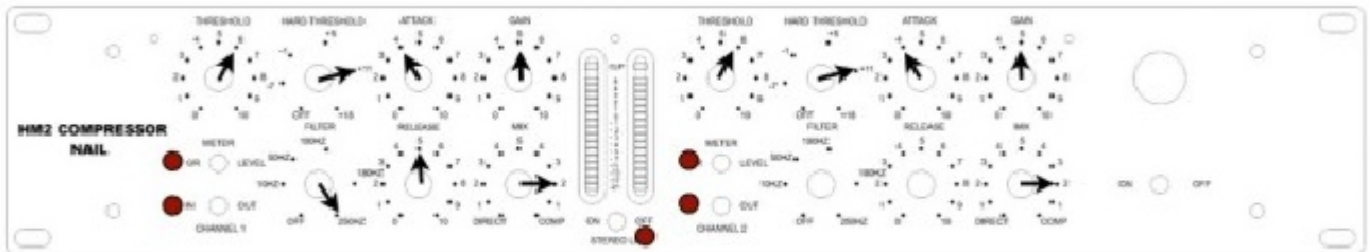
- Solid State/Tube Design
- Custom Milled Aluminum Knobs
- Custom Milled Aluminum Face Plate
- Dual Rack Mount
- Balanced XLR Outputs
- Threshold
- Hard Threshold
- Filter to 250HZ
- Attack
- Release
- Gain
- Mix
- LED Indicators switchable to Stereo
- Gain Reduction Switch for meters
- Carling Toggle Power Switch
- Red Jewel Power Indicator
- In/Out Switch
- Dual Channel

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

SPECIFICATIONS

TECHNICAL DATA

Mix Direct/Compressor	Complete Bypass to Complete Compression
Noise	-89dbu
Balanced Output	XLR
Balanced Input	XLR
Clipping	+20dbu
Filter	8HZ Starting Point to 250HZ
Channel Isolation	@1Khz 90 dB
Variable Ratio Design	Self Adjusting
Frequency Response	3Hz to 50Khz
Power Requirements	120/230 VAC - 23 Watts
Dimensions	19" X 3.5" X 10"
Weight	10lbs.; 12 lbs. shipping weight



This Diagram is a SAMPLE of what we consider a good starting point to which you can gage from. You can start here and make adjustments to your recording that works for you. These settings are what is used on a R&B session. Your settings will vary according to the style of music and your taste/style of music you are working on.

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

FUNCTIONS



- * Threshold
- * Meter Switch Gain Reduction and Level
- * Filter Off/250HZ
- * Hard Threshold Off/+18
- * Attack
- * Release
- * Mix Control
- * Attack
- * Stereo Link Switch Gain and Mix Control is independent when in stereo link mode
- * Gain
- * LED Indicators
- * Power Switch
- * Power Indicator