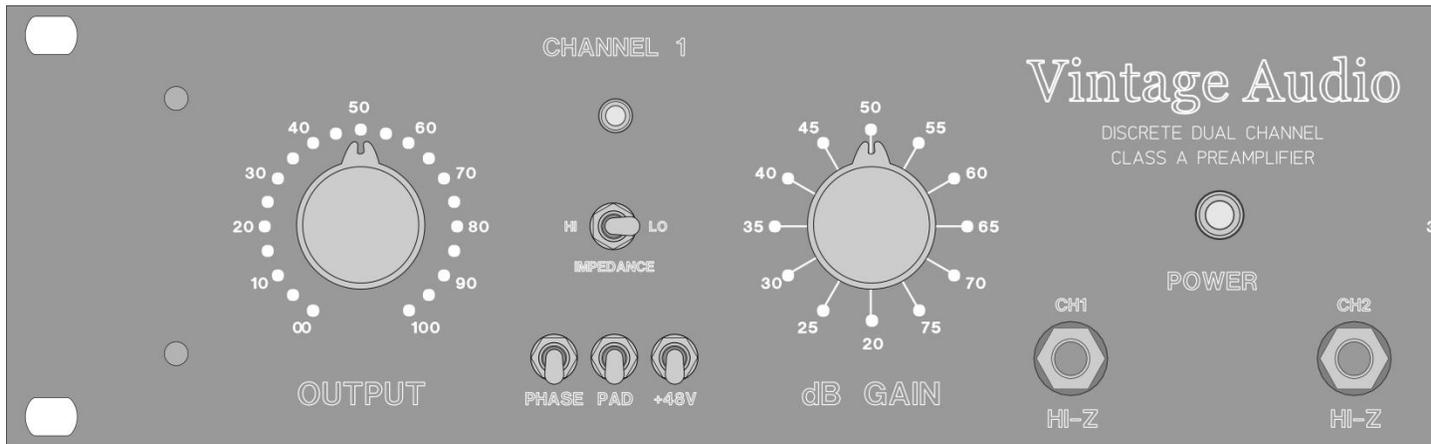


Vintage Audio

M73



*Dual Channel Class A
Discrete Preamplifier*

Vintage Audio

M73 Dual Channel Discrete Preamplifier



Congratulations on your purchase of your new Vintage Audio **M73** Dual Channel all discrete Microphone Preamplifier

The **M73** is based on the British classic 1290 preamp and is a faithful reproduction using original Carnhill/St Ives input and output transformers coupled with an all discrete design.

We put tremendous effort into all of our preamps and compressors to make your music more enjoyable and your sessions less droll. Each unit is hand built to our specifications and is constructed of nothing but the highest quality parts. As with all of our preamps the **M73** uses remote relay switching which shortens the signal path and lowers noise making the preamps performance even better. Excellent filtering is also provided to lower ripple and thus lower the noise floor even further making them extremely quiet in terms of self noise.

Our **M73** model comes with a full one year warranty and is built to the highest standard using the highest quality components.

Caution!

As with all professional equipment, please be sure to read all necessary literature prior to hooking devices up and powering them on. All units are set for voltage based on the original sale destination. Please consult the tag below the AC inlet if you purchased a unit “used” or second hand to make sure it is set for the right voltage before applying AC voltage.

About Vintage Audio

Vintage Audio is a small group of folks who love electronics and music. All are musicians and nerds at heart. Johnny Five is a screen saver and Star Wars and Star Trek share the airspace. We have been building pro audio gear for years and have a real passion for offering affordable, extremely well made reproductions to the audio community.

Note!

We are not re-inventing the wheel; Vintage Audio’s mission is to recreate the best sounding modern reproductions of some of the most sought after classic circuits in the world. We have a lot of experience on what it takes to make an excellent sounding preamp or compressor. We hand select all of our components, pieces and parts based on the character they impart, reliability. Most parts are Mil Spec, are designed to last and provide years of unparalleled performance.

On to the good stuff!

All of our designs are set up to be extremely simple to use and to obtain great results.

So about your new preamp

The *M73* is a 1290 style, dual channel, discrete, Class A, transformer coupled preamp. The *M73* offers a Direct Input on channel one and two as well as Phantom, Phase, Pad and Impedance switching.

The *M73* is a three stage preamp that offers fantastic headroom and a ton of character making them a favorite on guitars, vocals, you name it.

The three stages of amplification provide the user with 80+db of gain at the output.

The *M73* offers an impedance switch at the microphone input between 300 ohms and 1.2k. The variable impedance is really nice for Ribbon microphones but works well as a color option also. The use of Carnhill UK transformers keep the sound as close as is possible to the original and simply sound beautiful.

These wonderful preamps impart a thick footprint and make everything sound large and focused. The Phase shift in the transformers coupled with the saturation make the *M72* and *M73* track stacking monsters making mixes full with little effort.

These beautiful Dual Channel Class A Hot Rod preamps are handmade here in our shop in the USA and are completely hand wired like all of our models.

The design is very simple and easy to use to obtain excellent results.

In the next section you will find a list of all controls to help you get started.

Front Panel Controls Overview



Gain Control: The gain control is a 12 step Grayhill attenuator that controls the amount of gain that the preamplifier can deliver. At 50db and below, the switch merely controls the gain of the first two preamp stages. Once the control is switched to over 50db, the third amplifier stage is added to achieve a maximum of 80+db. When miking drums, vocals or when using hot condensers we recommend a 20db pad before reducing or adding any gain to the input signal to lower the amount of possible distortion.

Phase Switch: This switch, when engaged, flips the polarity of the input pre input transformer and essentially switches pins 2 and 3 for 180 degrees of phase correction. This is particularly nice on drums and other instrument where this type of phase correction is necessary.

Pad Switch: This switch engages a 20db pad pre input transformer for those instruments with a high dynamic range.

48V (Phantom switch): This switch simply engages the 48V on board phantom for condenser microphones requiring a phantom power supply.

Output control: The output control is set up to control the amount of level hitting the last stage of the amplifier and output transformer. This allows the user to effectively drive the preamp harder without clipping the input of your converter, Tape machine etc.

Impedance switch: This switch in its normal (low) position sets the input impedance that the microphone sees at 300ohms. When engaged to the high position, the impedance is switched to 1.2K, which also increases the amount of gain capable of the preamp on higher impedance microphones.

Hi-Z input: HI-Z direct inputs on the M73 for instruments and line signal.

Back Panel Overview



Input: Signal input for channel one and channel two respectively. Microphone as well as line signals can be inputted into the M73. When using line level signals make sure to have the 20 db pad engaged.

Outputs: Signal output for channel one and channel two. The signal here, as well as at the input, is transformer balanced and isolated.

Please note: that transformer coupled outputs (as in the M73) require a balanced connection either: electronically, with a transformer or Psuedo-balanced. Failure to use a balanced connection to interface with the output of your M73 will result in the absence of audio at the output. Please consult you owners manual of any devices you are planning on interfacing with the M73*.

AC power inlet: Please consult the tag by the Ac power inlet for the correct voltage and fuse rating. Voltages are set upon assembly and the label will indicate which voltage it is set for as well as the appropriate fuse rating.

*Psuedo-balancing is fairly simple and merely requires that pins 1 and 3 be tied together in either the cabling or at the jack. For ¼ and TT connections this equates to Ring and Sleeve. This is the easiest and most cost effective solution though balancing is best for the lowest noise and best performance

Specifications

Input Impedence: 300-1.2k Ohm Floating, transformer coupled.

Output Impedance: 600 Ohm Floating transformer coupled

Gain: 80 db of total gain

Pad: -20db

Fuse: 250V Slow Blow 5x20mm, 315ma (120vac), 175ma (240vac).

Dimensions: 19x3.5x12 inches

Weight: 14 lbs boxed

Note: Mains voltages are set when the unit is constructed. All units are wired for their Destination.

The Serial label contains information on what voltage the unit is wired for as well as the correct 250v fuse rating.

DO NOT CONNECT AC MAINS IF THE VOLTAGE LISTED ON THE LABEL IS DIFFERENT THAN YOUR LOCAL MAINS VOLTAGE!

Vintage Audio

All Vintage Audio products come with a full One Year warranty against defect and are built to the highest standard. For more info on this or other Vintage Audio products or to request service, please see us at ReviveAudio.com

Again, Thanks for your purchase!

We are confident that you will enjoy your new Vintage Audio unit for years to come.

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