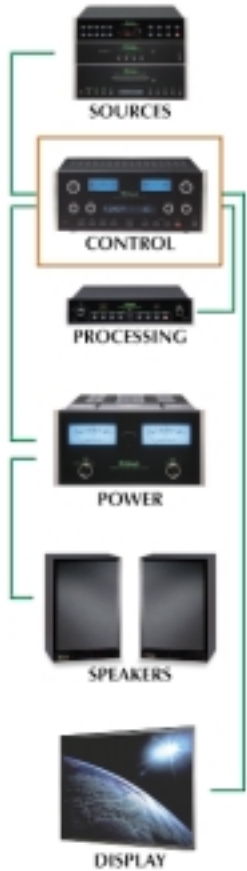




C2200 Vacuum Tube Stereo Preamplifier

McIntosh C2200 Vacuum Tube Stereo Preamplifier



McIntosh's newest addition to its acclaimed Heritage Products series succeeds equally well as both a stand-alone component and as the companion to either the MC2000 or the MC2102 Vacuum Tube Power Amplifier. Created to make the most of both new and venerable technology, the C2200 relies on vacuum tubes for all signal amplification, with spectacular results.

Featured Technologies

VACUUM TUBE DESIGN. All signal amplification is accomplished using vacuum tubes.

RECORDER LOOP. A tape recorder loop is provided for any recording system.

ELECTROMAGNETIC SWITCHING. Digital logic integrated circuits drive silent electromagnetic switches for the most reliable, lowest distortion signal switching available.

EIGHT PROGRAMABLE SOURCE SELECTIONS. All eight selections accommodate unbalanced program sources; four also accommodate balanced sources. Standard sources may be reassigned to any of four alternate sources or be turned off completely.

BLUE VACUUM FLORESCENT DISPLAY. The 12-character display matches other McIntosh equipment. It displays input selections, volume level and menu selections during setup.

DIGITALLY CONTROLLED ATTENUATOR. The C2200 attenuator provides 214 steps of 0.5dB each. The step match between sections is typically less than + 0.1dB, more accurate than is possible using mechanical potentiometers. Attenuation changes occur at the zero crossings of the audio signal so that no artifacts are audible as you adjust volume.

POST ATTENUATOR. A post attenuator stage, interlaced with the main attenuator, abruptly reduces output amplifier gain to unity. The result is an immediate drop in the noise floor, to better than -95dB. Noise is virtually eliminated.

VRV (VARIABLE RATE VOLUME). The volume vs. rotation rate varies as preamplifier gain varies thanks to control microprocessor software. Though the resulting volume change vs. rotation is the same as mechanical attenuators, the 0.5dB resolution and tracking are far superior.

ILLUMINATED OUTPUT METERS. Left and right blue illuminated meters monitor output level over a 70dB range.

DOUBLE SHIELDED POWER TRANSFORMER. Copper and steel shielding eliminate hum radiation from the power transformer.

SWITCHED AUDIO OUTPUTS. These are provided for additional amplifiers in remote areas or to build multi-amp systems.

(continued next page)



The MC2102 Vacuum Tube Power Amplifier.



McIntosh vacuum tubes are specially manufactured to meet or exceed our performance specifications.

More Than a Half Century of American Ingenuity

THE McINTOSH SECRET FOR SUCCESS

Examine McIntosh Laboratory up close and you'll find a simple strategy implemented in 1949 and reflected in every new product that bears our name: unparalleled audio artistry nurtured from concept to completion in the quintessentially American town of Binghamton, New York.

Founder Frank McIntosh raised the bar for excellence straight out of the starting gate, and the company hasn't faltered since. Competitors tried for 20 years before they could match the performance of our very first amplifier. McIntosh, meanwhile, continued to redefine what it means to be the best—a difficult but rewarding journey that has inspired many talented people to dedicate their entire careers to that mission.

SCIENCE, STYLE AND CRAFT

The innovative application of cutting-edge technologies are the driving force that keeps our engineers working late into the night. Coupled with our signature style and manufacturing standards that ensure components perform for decades, their audio and home theater breakthroughs result in true investment pieces. Discriminating collectors are eager to pay many times the original price for some of our American Classics. They know that a well-loved McIntosh only gets better.

Indeed, you won't find "planned obsolescence" here—most of the units we produced in the 1950's can still integrate into systems today. And, as ever, we spare no expense to work with the best materials, whether that means crafting parts locally or bringing them from halfway around the world.

SERVICE AND SUPPORT

Each day, our customer support staff competently answers questions for owners whose components are still running strong up to thirty years or more. Our reputation rests on our customers' complete satisfaction -- that's why we're not only interested in what you have to say about our past, present and future products, but we've also carefully trained many Authorized Service Agencies, backing them up with our own in-house Service Department. Our clientele has come to expect nothing less.

BUY WITH CONFIDENCE FROM AN AUTHORIZED MCINTOSH DEALER

Not every retailer can carry McIntosh— we screen the firms that represent us closely to ensure that our customers can trust their expertise. We even conduct our unique McMasters program, a two-day seminar that prepares the participants to assist you. If you're already familiar with a McIntosh dealer, you can be sure that it will serve you well. If you haven't found one, we'll be happy to help. You can find an Authorized McIntosh Dealer by calling (888) 979-3737, or by searching our dealer locator at www.mcintoshlabs.com.



Frank McIntosh



It would take competitors nearly 20 years to match the performance of McIntosh's very first amplifier.

Featured Technologies (continued)

INPUT LEVEL MATCH. Each input can be adjusted to match the others.

FOUR POWER CONTROL OUTPUTS. One 1/8" mini jack is assigned to the main power amplifier; three are programmable for main, input selection, switched output 1 and switched output 2.

GOLD PLATED INPUT AND OUTPUT CONNECTORS. The C2200 utilizes gold plating for superior corrosion resistance.

TUBE MANAGEMENT AUTO TURN-ON DELAY. Outputs are muted until turn-on delay circuits determine the tubes are warmed and ready. The mute delay is always long enough to eliminate noise generated by other equipment.

TUBE SAVER. The phono tubes are on only when the phono input is pre-selected for use.

IR REMOTE CONTROL. This remote works not only the C2200 but other McIntosh equipment as well. Other brands of equipment can be controlled through the data ports and the RCT-4 Translator accessory.

HEADPHONE JACK. Provided for private listening.

PASS THRU. The C2200 can be integrated into a home theater system.

Why Choose McIntosh?

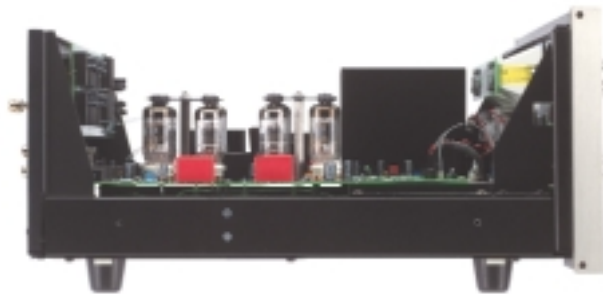
Most consumer electronics products are necessarily viewed as short-term investments because either they don't last or they quickly become obsolete in some way. *Coincidentally*, manufacturers supply a steady stream of "new-and-improved" products that you can buy. *Again*.

Behind every McIntosh is a heritage of excellence, proudly carried forward for more than 52 years by every employee. No mass production lines, no "price-point" engineering, no

planned obsolescence. McIntosh equipment is made to sound better and last longer.

When McIntosh products are presented to customers, the criteria they have been conditioned to overlook – reliability, longevity, craftsmanship, ease of use, adaptability, pride of ownership – suddenly leap to the top of their list. The choice becomes clear:

There is nothing like a McIntosh.



C2200 Vacuum Tube Stereo Preamplifier

Vacuum tube design

Eight programmable input source selections, four for balanced or unbalanced and four unbalanced only

Tape recorder loop

Three balanced and three unbalanced outputs, one main and two switched

Electromagnetic switching

Input level match

12-character blue alphanumeric display for input selection, volume level and menu selection

VRV (Variable Rate Volume) with new multi-stage precision digitally controlled attenuator system

Illuminated output level meters

Double shielded power transformer

Gold-plated input and output connectors

Low noise 1% metal film resistors used throughout

IR remote control

Switched data output ports

Front panel headphone jack

Three programmable triggers

Auto turn-on delay

Tube saver

FREQUENCY RESPONSE

+0, -0.50dB from 20Hz to 20KHz

RATED OUTPUT

5V RMS at MAIN and SWITCHED

1 and 2 balanced outputs

2.5V RMS at MAIN and SWITCHED

1 and 2 unbalanced outputs

OUTPUT SOURCE IMPEDANCE

500 ohms balanced

250 ohms unbalanced

MAXIMUM VOLTAGE OUTPUT

16.0V RMS at MAIN and SWITCHED balanced outputs

8.0V RMS at MAIN and SWITCHED unbalanced outputs

TOTAL HARMONIC DISTORTION

.08% maximum from 20Hz to 20KHz

SENSITIVITY

Phono: 4.5mV for 2.5V out @ 1KHz

High Level: 450mV for 2.5V out

SIGNAL TO NOISE RATIO A-WEIGHTED

Phono: 80dB

High Level: 93dB

MAXIMUM INPUT SIGNAL

Phono, MM: 50mV @ 1KHz

High Level: 8V balanced

INPUT IMPEDANCE

Phono, Moving Magnet: 47K ohms, 65pf

High Level: Balanced 44K ohms

Unbalanced 22K ohms

VOLTAGE GAIN

Phono,(MM) to Tape Out: 40dB @ 1KHz

Phono to Main Out: 55dB

High Level to Tape Out: 0dB

High Level to Main Out: 15dB

POWER REQUIREMENTS

100,120 or 230 VAC, 50-60Hz 70 Watts

DIMENSIONS

Front panel, 17-1/2 inches (44.4 cm) wide, by 7-1/8 inches (18.1 cm) high. Depth is 15 inches (38.1 cm) including clearance for connectors. Knob clearance in front of the mounting panel is 3/4 inches (1.9 cm).

WEIGHT

29 lbs (13.2 Kg) net

42 lbs (19 Kg) shipping weight

FINISH

The front panel is black glass with gold/teal illuminated nomenclature. The chassis is totally enclosed.

