

here is the Solid State
Preamplifier that *all other*
Solid State Preamplifiers
have *tried* to be...



THE C 24 IS 99.9% PERFECT

Distortion is a thing of the past with a McIntosh C 24 in your music system. The McIntosh C 24 has less than 1/10 of 1% distortion at 2.5 volts output. The McIntosh C 24 is 99.9% perfect. At a full 15 volts output distortion is less than 1/2 of 1%. No other solid state preamplifier is capable of this performance. You have clean undistorted reproduction of any musical program with a McIntosh C 24. You hear all there is to hear with a McIntosh C 24.



2 YEARS OF RESEARCH AND DEVELOPMENT

Design of the McIntosh C 24 started two years ago. All types of transistors were checked for performance. Each possible circuit was checked and rechecked to assure you the best possible performance. Each circuit has to recreate music fully with sonic realism. Each function has to be performed with accuracy and precision. No avenue of possibility has been left untried. The McIntosh C 24 uses no sledge hammer techniques. Each function is performed with the minimum number of circuits. This adds to reliability and lowers the possibility of distortion. Each part, transistor, resistor, capacitor is chosen to give you the highest performance and reliability.



Now with McIntosh

TRANSISTORS HAVE COME OF AGE!

You can relax with the knowledge
that you have the finest
when you have the McIntosh C 24.

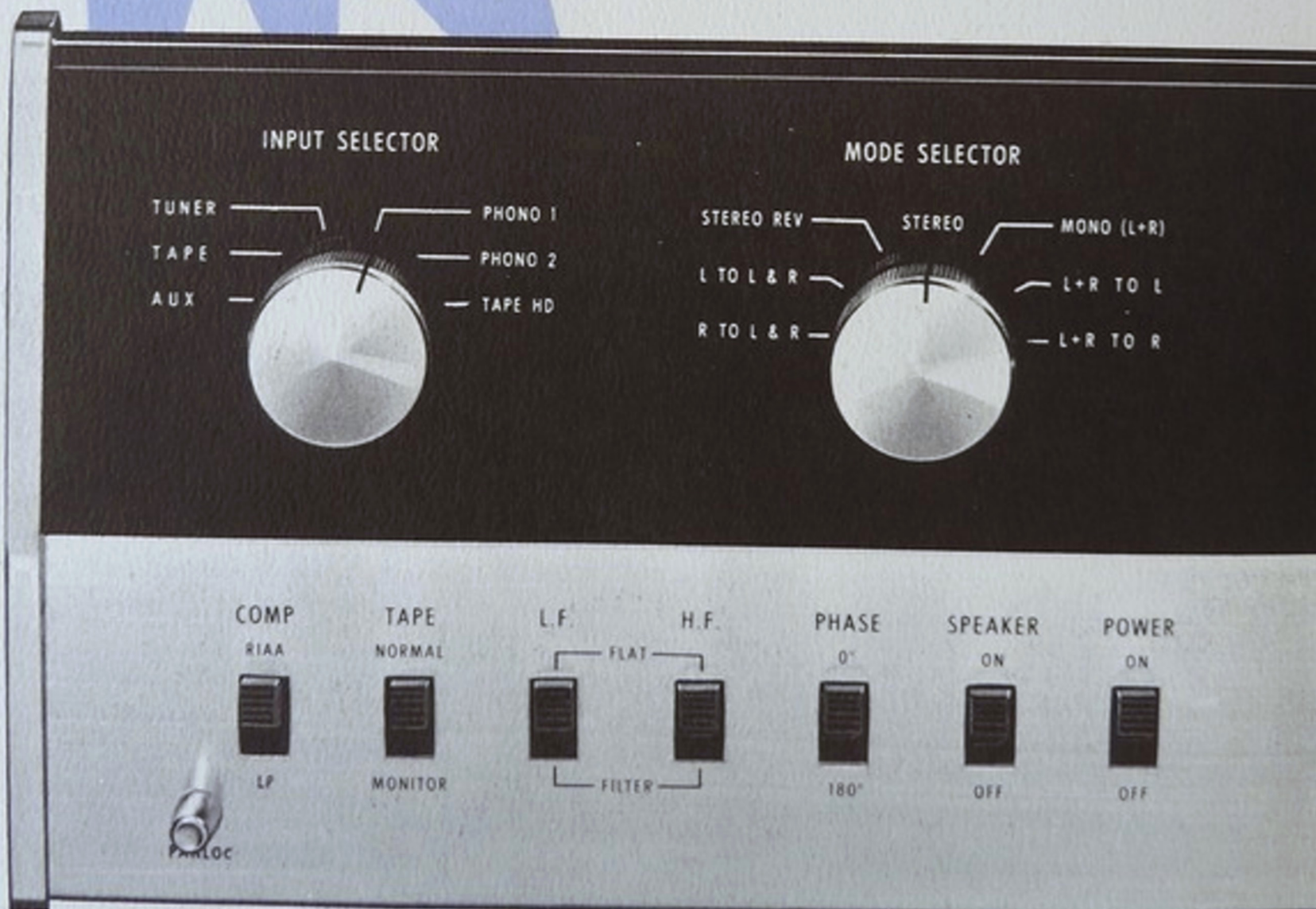
The McIntosh C 24 offers
MORE PERFORMANCE and
RELIABILITY for **LESS MONEY** than
any other Solid State Preamplifier.

SILICON PLANAR TRANSISTORS USED

Silicon planar transistors are used in the C 24. The individual cost of silicon planar transistors is higher than germanium transistors. Their superior performance allows McIntosh engineers to use fewer transistors. The result is sophisticated circuitry, circuitry designed for maximum performance and reliability.

TESTING MAKES THE DIFFERENCE

Design alone does not make a good product. It must be tested over and over again in production. A McIntosh C 24 must pass 48 tests before it is ready for you. Each circuit, each electrical connection, each function is checked and rechecked. Testing takes time. Exacting McIntosh testing takes even longer. The specifications published on this sheet are our promise of performance. These are minimum specifications. Each McIntosh C 24 must meet or exceed these specifications before it reaches you. You will receive a full cash refund of the advertised price if your C 24 fails to meet these specifications. No one else offers this money back guarantee.



C 24 \$249.00 cabinet \$25.00

RECORDS ARE ACCURATELY REPRODUCED

The prime function of a stereo preamplifier is to reproduce records faithfully. Records are made with the bass cut and the highs boosted. This allows more musical information to be put in the record groove. For true musical pleasure the bass and highs must be reintroduced following accurate and definite standards. The McIntosh C 24 does this to a degree of accuracy thought impossible a few years ago. Records and tapes will be alive and thrilling when you hear them through a McIntosh C 24.

HAS THE BEST DYNAMIC RANGE

Dynamic range makes music come alive. The McIntosh C 24 has the best dynamic range of any solid state preamplifier. The McIntosh C 24 will not clip or distort music from a record when a high output magnetic cartridge is used. The McIntosh C 24 will accept up to 200 millivolts output in the Phono 1 or Phono 2 position without overload. This is almost ten times more voltage than any magnetic cartridge can deliver. Your music will never sound harsh or distorted due to overload when you use a McIntosh C 24.

A HOST OF FEATURES

The McIntosh C 24 offers the most wanted features in a stereo preamplifier. You can use any 6 program sources. Three high level inputs: Tuner, Tape, Aux. Three low level inputs: Phono 1, Phono 2, Tape head. You have complete control of how you will listen to your music. A continuously variable loudness contour control allows you to hear all the music even at the lowest listening levels. You have control over the sound of your loud speakers with the separate bass and treble controls. Low impedance headphone jack give you private listening enjoyment. You can turn your speakers off for private listening. Two phono equalizations, RIAA and LP give you accurate playback response. You have complete use of all controls during tape recording. High frequency filter allows you to reduce objectionable surface noise or hiss from records or tapes. Low frequency filter reduces objectionable rumble. Phase control is positive and distortion free. Tape Monitor allows you to check recording in progress.

THREE YEAR GUARANTEE

Your McIntosh C 24 is unconditionally guaranteed for a full 3 years.

McIntosh

C 24 SOLID STATE
STEREO PREAMPLIFIER

VOLUME



BASS

LEFT • RIGHT



TREBLE

LEFT • RIGHT



BALANCE

LEFT • RIGHT



FLAT • LOUDNESS
CONTOUR

PANLOC

ACTUAL SIZE

**FREQUENCY RESPONSE**

+0—0.5db 20 cycles through 20,000.

DISTORTION

Less than .1% at 2.5 volts, 20 to 20,000 cps

Less than .3% at 10 volts, 20 to 20,000 cps

INPUT SENSITIVITY AND IMPEDANCE

Auxiliary, Tape, Tuner, and Tape Monitor .20 volts, 250,000 ohms for 2.5 volt output.

Phono 1 and Phono 2: 2 millivolts 47,000 ohms.

Tape Head: 2 millivolts, 1 megohm.

TOTAL NOISE

High level inputs: 110 db below rated output
Volume control counterclockwise, 75 db volume control clockwise.

Low level inputs: 60 db below rated output; or less than 4 microvolts at input terminals.

MAIN OUTPUTS

2.5 volts output with rated input.

TAPE OUTPUTS

.20 volts into 25,000 ohms with rated input; 1.2 volts with 10 millivolts at phono input.

LEFT PLUS RIGHT OUTPUT

2.5 volts from generator impedance of 10K ohms; controlled ± 6 db from normal stereo output level.

BASS CONTROLS

± 18 db at 20 cycles with friction for independent adjustment of each channel.

TREBLE CONTROLS

± 18 db at 20,000 cycles with friction clutch for independent adjustment of each channel.

COMP (Compensator) SWITCH

RIAA or LP phono equalization.

TAPE SWITCH

Normal or Tape Monitor.

LF FILTER

Flat, or 50 cycle cutoff, 12 db per octave.

HF FILTER

Flat, or 5,000 cycle cutoff, 12 db per octave.

PHASE SWITCH

Normal (0) or reverse (180).

SPEAKER SWITCH

Speakers connected through back panel terminals, ON or OFF. (25 watt load resistors automatically connected on power amplifier in OFF position).

HEADPHONE JACK

Stereo output from back panel terminals connected to power amplifier outputs.

INPUT SELECTOR

6 positions: AUX, TAPE, TUNER, PHONO 1, PHONO 2, Tape Head.

MODE SELECTOR

7 positions: L to L and R, R to L and R, STEREO REVERSE, STEREO, MONO (L+R), L+R to L, L+R to R.

LOUDNESS CONTOUR CONTROL

Flat response, or continuously variable bass and treble compensation as volume level is lowered.

SILICON-PLANAR**TRANSISTOR COMPLEMENT**

(18 total); 10-Q103, 7-Q101, 1-Q102.

POWER REQUIREMENTS

105-125 volts AC, 60 cycles, 8 watts.

MECHANICAL SPECIFICATIONS**SIZE**

Front panel, 16 inches wide by 5 $\frac{3}{4}$ inches high; chassis 15 inches wide by 5 inches high by 11 inches deep, including connectors. Clearance in front of mounting panel including knobs, 1 $\frac{1}{2}$ inches.

WEIGHT

17 pounds net, 25 pounds in shipping carton.

FINISH

Anodized gold and black (front panel).

FRANCHISED DEALER

McIntosh

LABORATORY INC.

2 Chambers St., Binghamton, N. Y.

Phone—Area Code 607-723-5491

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