

# The McIntosh **C22**

*guarantees your stereo enjoyment*



C22 \$279.00 Cabinet \$29.00

At last your stereo enjoyment is guaranteed. You get a **FULL CASH REFUND** if your C22 does not meet the specifications printed on the reverse side of this sheet. You come first at McIntosh. Each unit is checked and rechecked to insure you are getting what you paid for. Our specifications are minimums which must be met by every production unit. Only McIntosh offers you this **MONEY BACK GUARANTEE**.

Here is a precision control center designed with you in mind. You not only get a guarantee of performance, you also get a guarantee of

reliability. Your McIntosh C22 is **UNCONDITIONALLY GUARANTEED FOR 3 FULL YEARS**. This guarantee includes both parts and labor.

Once you hear music through your McIntosh C22 you will know why McIntosh is called the best. Every musical passage, loud or soft, is recreated accurately. Each instrument comes alive. You know you are enjoying all there is to enjoy. Your stereo enjoyment is guaranteed when you own a McIntosh C22.

## YOU HAVE PRECISION CONTROL

1. Control any eight program sources.
2. Control left and right distribution of any program source.
3. Control bass loudness in each channel separately in precise 4db steps.
4. Control treble loudness in each channel separately in precise 4db steps.
5. Control left to right speaker balance without affecting overall system volume.
6. Control record playback equalization precisely.
7. Control tape playback equalization precisely.
8. Control front panel tape output/input jacks. These jacks allow you to use a portable tape recorder without inconvenient rear panel connections.
9. Control your tape recordings by making a direct check between program source and tape recording in progress. (Only possible with a 3 headed tape recorder.)
10. Control unequal bass response from speakers due to room placement.
11. Control surface noise on old records.
12. Control low frequency noise created by record changer or turntable.



# McIntosh GUARANTEES TO EQUAL OR EXCEED OUR PUBLISHED SPECIFICATIONS OR REFUND OUR ADVERTISED PRICE

## FREQUENCY RESPONSE

±0.5 db from 20 cps to 20,000 cps.

## DISTORTION

Less than 0.2% at 10 volts output, 20 to 20,000 cycles.

Less than .02% at 3 volts output, 20 to 20,000 cycles.

## HUM AND NOISE

High Level Inputs: 85 db below rated output.

Low Level Inputs: Less than 1.5 microvolts at input terminals.

## INPUT SENSITIVITY AND IMPEDANCE

Auxiliary, Tape, Tuner 1, and Tuner 2: 0.25 volts, 250,000 ohms.

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

Microphone: 2.5 millivolts, 1 megohm.

Tape Head: 2 millivolts, 1 megohm.

Tape Compare: 0.25 volts, 250,000 ohms.

## OUTPUTS

Main (2 jacks on each channel): 2.5 V with rated output.

Tape: 0.25 V with rated output.

Left Plus Right: 1 V from generator impedance of 25,000 ohms.

## VOLTAGE AMPLIFICATION

Auxiliary, Tape, Tuner 1, and Tuner 2:

To Main Output, 20 db (10 to 1).

To Tape Output, 0 db (1 to 1).

Phono 1 and Phono 2 (At 1 KC):

To Main Output, 62 db (1250 to 1).

To Tape Output, 42 db (125 to 1).

Microphone:

To Main Output, 60 db (1000 to 1).

To Tape Output, 40 db (100 to 1).

Tape Head (At 500 cps):

To Main Output, 62 db (1250 to 1).

To Tape Output, 42 db (125 to 1).

## AUXILIARY AC OUTLETS (5)

1 unswitched for turntable or tape machine (Red), 4 switched (Black).

## POWER REQUIREMENT

117 volts 50/60 cps AC, 34 watts.

## TUBES

6 each 12AX7.

## TAPE JACK SWITCH

2 position, connects panel jacks to allow signals to be fed from or to the C22 to record or playback using an external portable tape recorder.

## BASS CONTROLS

Separate channel 11 position switch type, ± 20db at 20 cycles.

## TREBLE CONTROLS

Separate channel 11 position switch type, ±20 db at 20,000 cycles.

## COMPENSATOR SWITCH

RIAA or LP record equalization.

## TAPE SWITCH

Normal, or Tape Monitor.

## RUMBLE FILTER

50 cps cutoff.

## HF FILTER

5000 cycle cutoff.

## ADDITIONAL SET-UP CONTROLS

The following controls are located behind the front panel on the top of the C22 chassis. These controls are readily accessible by depressing the PANLOC buttons to slide the C22 forward from the mounting panel.

## OUTPUT LEVEL CONTROLS (L, L + R, AND R)

Allows the balance of the entire system to be conveniently adjusted.

## LOW FREQUENCY TRIM CONTROLS (L AND R)

Allows frequencies below 100 cps to be boosted up to 6 db

## TAPE EQUALIZATION CONTROLS (L AND R)

Adjusts tape head input high frequency response.

## PHASE SWITCH

2 position, normal (0°) or reverse (180°).

## PILOT LAMP INTENSITY SWITCH

2 position, bright or dim.

## SIZE

Front panel; 16 inches wide by 5<sup>7</sup>/<sub>16</sub> inches high; chassis (including PANLOC shelf) 15 inches wide by 5 inches high by 13 inches deep, including connectors; clearance in front of mounting panel including knobs, 1<sup>1</sup>/<sub>2</sub> inches.

## WEIGHT

16 pounds net, 25 pounds in shipping carton.

## Franchised Dealer

*Stereoland, Inc.*  
AUDIO SERVICE CO.  
*Stereo & Industrial Sound Equipment*  
*Records & Tape*  
168 Water St. Phone 722-3403  
BINGHAMTON, N. Y.

# McIntosh

**LABORATORY INC.**  
**2 Chambers St., Binghamton, N. Y.**