From the laboratory at McIntosh comes a solid state receiver that establishes a new standard of performance. All other receivers will now be compared to the outstanding superiority of the MAC 1700.
All the things you have wanted from McIntosh...

Eight years of diligent engineering and development have produced the outstanding performance that is expected from a McIntosh instrument. From the smooth, backlash free tuning mechanism to the superior distortion-free, full 80 watt stereo power output the MAC 1700 is engineering perfection.

The preamplifier has 16 silicon planar transistors. High thermal stability, low noise and superior high frequency response make the added cost of silicon planar transistors worth the investment. McIntosh famous flexibility has been "designed in." All desirable control facilities have been incorporated. Your MAC 1700 won't go out of date because of a lack of flexibility.

When McIntosh introduced its first tuner a milestone in engineering and performance was established. The MAC 1700 tuner section proudly carries on that tradition.

High sensitivity with low distortion and noise free reception from distant stations are the expected from a McIntosh. Outstanding stereo tapes are made with the MAC 1700. The multiplex decoder and SCA filters guarantee the absolute best in FM stereo.

Two solid state 40 watt power amplifiers are the heart of the stereo instrument. You get a full 80 watts of McIntosh power in stereo. Engineering innovation has again shown the way to McIntosh leadership in performance and protection. The MAC 1700 is "fail safe" regardless of the speaker load.

Research, experimentation, development, and rigorous component testing permit the unprecedented McIntosh protection policy. You can't pay for the repair of your MAC 1700 for TWO FULL YEARS. This confidence is developed from the superior circuitry and higher quality longer life components used in the MAC 1700. The output transistors have been carefully selected for their high power dissipation capability, wide frequency response, and large "safe operating area." They are mounted on large oversized heat sinks. A McIntosh developed "power monitor" circuit (patent applied for) assures reliability; This exclusive power monitoring circuit prevents failure of the output transistors in the event of accidental open circuit, short circuit, or incorrect load impedance. McIntosh engineers have developed even further protection in the MAC 1700. In the event of excessive heating from improper impedance matching or inadequate ventilation the MAC 1700 will automatically turn itself off. This further protection is achieved by temperature monitoring in the extra large heat sinks.

McIntosh believes in maximum return on your investment for a longer period of time. The sophisticated beauty and the conservative appearance assures you that the styling is not dated.

BUY THE MAC 1700 AND ENJOY THE BEST!
Automatic stereo switching • Flywheel tuning for best of operation and precise tuning • D'Arsonval tuning meter for accurate center of channel tuning • Muting IF injected circuit with at least 50db quieting between stations • Nuvisor RF amplifier, Nuvisor mixer • Four states of IF amplification, with AGC used to insure that limiting occurs only in the limited stages • Two limiter stages used for exceptional capture ratio and smooth muting operation • Multiplex filter and SCA filter, to suppress 19 kHz and 38 kHz signal components at least 40db below program and to suppress 67 kHz SCA by 60db for superior, whistle-free tape recording • Noise rejecting logic circuit used to activate MPX stereo light and automatic stereo switching on 19 kHz stereo pilot signal only • Antenna inputs for 300 ohm balanced (for twinlead) and 75 ohm unbalanced (for coaxial cable)
FM TUNER SECTION:
USEABLE SENSITIVITY: Less than 2.5 μV at 100% modulation (I.H.F.)
SIGNAL TO NOISE AND HUM RATIO: 65db
HARMONIC DISTORTION: Mono, less than .5%.
Stereo, less than .8%
DRIFT: less than 25 kHz
FREQUENCY RESPONSE: Flat from 20 Hz to 20 kHz
with standard 75 micro second de-emphasis and
19 kHz pilot frequency filter.
CAPTURE RATIO: Better than 2.0 db
IMAGE REJECTION: Better than 60 db
STEREO MULTIPLEX SEPARATION: Better than 30 db at 1 kHz

AMPLIFIER SECTION:
POWER OUTPUT:
40 watts RMS, continuous power per channel both
channels operating into 4 ohms or 8 ohms
80 watts RMS, continuous power monophonic into 4
ohms or 8 ohms
30 watts RMS, continuous power per channel both
channels operating into 16 ohms
60 watts RMS, continuous monophonic into 16 ohms
HARMONIC DISTORTION: Less than 0.25% at rated
power output from 30 Hz to 20 kHz, both channels
operating
INTERMODULATION DISTORTION: Less than 0.25%
for any combination of frequencies from 30 Hz to 20-
kHz if instantaneous peak power is 80 watts per
channel or less into 4 or 8 ohm loads and 60 watts
per channel or less into 16 ohms loads, both chan-
nels operating
FREQUENCY RANGE:
At Rated Output:
±0.5 db, 20 Hz through 20 kHz
At Reduced Output:
±0, −3 db, 10 Hz through 80 kHz
DAMPING: greater than 100
INTERNAL IMPEDANCE: less than 0.04 ohms
INPUT SENSITIVITY: Auxiliary, Tape, Tuner, and
Tape Monitor; 300 MV
INPUT IMPEDANCE: Auxiliary, Tape, Tuner and Tape
Monitor; 250,000 ohms

PHONO 1 and PHONO 2: 2.4 MV 47,000 ohms
TAPE HEAD: 2.4 MV 500,000 ohms
TOTAL NOISE (including Power Amplifier):
High level inputs: 75db below rated output
Low level inputs: 76db below 10 MV input; weighted;
equivalent to less than 1.5 microvolts at input
POWER AMPLIFIER NOISE: 90 db below rated output
TAPE OUTPUT: from tuner-1.5 volts, from other in-
puts 300 MV at rated sensitivity, 1.3 volts with 10
MV input from Phono
BASS CONTROLS: ±18 db at 20 Hz, friction clutch
for independent adjustment of each channel
TREBLE CONTROLS: ±18 db at 20 kHz, friction
clutch for independent adjustment of each channel
TAPE MONITOR SWITCH: normal or tape monitor,
indicator lights in monitor position
FILTER: Flat, or 5 kHz cutoff, 12 db per octave and
60 Hz cutoff 12 db per octave
LOUDNESS SWITCH: normal or compensated
HEADPHONE JACK: for low impedance stereo head-
phones
INPUT SELECTOR: 6 positions; AUX, TAPE, FM
AUTO, PHONO 1, PHONO 2, TAPE HD,
MODE SELECTOR: Mono-stereo
SEMICONDUCTOR COMPLEMENT:
Preamplifier 16 silicon Transistors
Power Amplifier 18 Silicon Transistors 12 Diodes
FM TUNER:
8 Tubes, 4 Transistors, 10 diodes Power Supply 8
Rectifiers 1 Zener diode, 1 Transistors
POWER REQUIREMENTS: 117 volts, AC, 50/60 Hz,
70-270 watts

MECHANICAL SPECIFICATIONS:
SIZE: front panel, 16 inches wide by 5½ inches high;
chassis, 15 inches wide by 5¼ inches high by 14½
inches deep, including connectors. Clearance in front
of mounting panel including knobs, 11½ inches
WEIGHT: 34 pounds net, 47 pounds in shipping
carton
FINISH: front panel, anodized gold and black

FRANCHISED DEALER

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2 Chambers St., Binghamton, N. Y. 13903
Phone area 607 723-3512

PT 038 199
Made in U.S.A.