THE FINEST EXPRESSION OF TUNER CRAFTSMANSHIP

The finest possible reception of FM monophonic and FM multiplex stereophonic broadcasts is assured by the McIntosh MR71 FM Stereo Tuner.

The research staff of McIntosh Laboratory has developed five new tuner circuit improvements for the MR71:

- A new computer designed filter reduces noise from stations broadcasting subcarrier auxiliary music sources.
- Automatic stereo-mono switching that is clickless and completely electronic. (Patent applied for.)
- New D’Arsonval movement meters of increased sensitivity which do not need zero setting adjustments.
- Multipath indicator to eliminate multipath reception by showing when your antenna is rotated to the correct position for picking up only the desired signal.
- Double tuned input circuits before the first R.F. amplifier to reduce spurious responses.

McIntosh MR71 FM STEREO TUNER

MR71 $399.00 CABINET $25.00
MR71 SPECIFICATIONS

USEABLE SENSITIVITY
Better than 2.5 microvolts at 100% modulation (±75KC deviation) for less than 3% total noise and harmonic distortion in accordance with IHFN standards.

AUDIO FREQUENCY RESPONSE
Within 1/2 db from 20 to 20,000 cycles including 75 microsecond de-emphasis.

DISTORTION
Less than 0.5% at 100% modulation ±75KC deviation.

CAPTURE RATIO
1.5db at 100% modulation.

MUTING
IF injected ultrasonic muting: at least 60db quieting between stations.

IMAGE REJECTION
Better than 80db at 90MC; better than 70db at 105MC.

HUM
Better than 70db below 100% modulation.

OUTPUT
Approximately 2.5 volts; low-source impedance.

ANTENNA INPUTS
300 ohms balanced; 75 ohms unbalanced.

RF AMPLIFIER
Cascode with 6DS4 Nuvistor in first stage.

IF AMPLIFIERS
Five stages, with 200KC bandwidth, flat top response.

TUNING INDICATORS
Two signal strength presentation and precise tuning indication. New D'Arsonval movement meters of increased sensitivity which do not need zero adjustment.

FM MULTIPATH RECEPITION INDICATOR
An exclusive new McIntosh development; the upper section of the dual electron-ray tube can be switched to indicate multipath distortion or signal strength.

MULTIPLEX CHANNEL SEPARATION
Better than 30db at 1000 cycles.

MULTIPLEX FILTER
Greater than 48db suppression below 100% modulation of 19KC pilot and 38KC carrier.

MULTIPLEX INDICATOR
MPX stereo light activated by 19KC carrier only.

MULTIPLEX TYPE
Peak-detecting, self-matrixing detector.

LIMITERS
Two stages.

RADIATION
Substantially below FCC requirements.

SCA FILTER
50db down at 67KC to 74KC 275db per octave slope.

AUTOMATIC MONO-STEREO SWITCH
An exclusive McIntosh development; all-electronic automatic mono-stereo switching circuit. (Pat. Pend.).

TUBE AND SEMICONDUCTOR COMPLEMENT
1—6DS4 Nuvistor, 1st RF.
1—12AT7, 2nd RF and Mixer.
1—6BN4A, Oscillator.
1—6AU6, 1st IF.
1—6AU6, 2nd IF.
1—6AU6, 3rd IF.
1—6AU6, 4th IF and 1st Limiter.
1—6C36, 5th IF, 2nd Limiter and Muling.
1—6BN8, Muting Amplifier, Muting Detector, AVC Clamper.
2—6BL8, Left and Right, 1st and 2nd Audio Amplifiers.
1—5U8, MPX Amplifier, MPX Indicator Control.
1—6H6 6M87 Multipath Indicator.
1—12AU7, MPX Oscillator.
1—ST2-275, Voltage Reference.
1—MA113 (Transistor), MPX Indicator Lamp Switch.
2—1N542 Diodes, Wide Band Discriminator.
2—1N542 Diodes, Narrow Band Discriminator.
4—1N542 Diodes, Balanced MPX Detector.
2—1N542 Diodes, Balanced Detector for MPX Indicator.
2—Selenium Rectifiers, High Voltage Power Supply.
1—No. 1850 Lamp, MPX Indicator.

POWER CONSUMPTION
70 watts, 105 to 125 volts, 50 to 60 cycles.

DIMENSIONS
Front Panel, 15 inches wide by 5½ 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, 1½ inches.

WEIGHT
Chassis only, 27 pounds.
In shipping carton, 37 pounds.