

McIntosh  
MR 71

FINEST PERFORMANCE

*from* FINEST TUNER CRAFTSMANSHIP!

McIntosh through engineering and careful craftsmanship lead the way to superior FM and FM Stereo performance.



The McIntosh MR 71 is a precision engineered, highly sensitive FM stereo tuner. Continual, exhaustive testing has made your tuner the "BEST." You will hear all there is to hear with the MR 71. The MR 71 has better performance specifications than those required of broadcast stations by the Federal Communications Commission!

The research staff of McIntosh has developed five circuit improvements for your listening enjoyment. One of these developments is automatic stereo/mono switching. The circuit electronically switches to stereo when a station broadcasts stereo. Electronic switching is noise free. McIntosh developed electronic switching will insure you the best possible

stereo under all conditions.

Another development makes tuning easiest yet—the multipath indicator. The MR 71 is the first tuner to offer an easy to use multipath indicator. With multipath present FM signals sound distorted and stereo signals can be lost. The multipath indicator permits the orientation of the antenna for the lowest possible multipath distortion.

McIntosh offers you three years of trouble free performance. With your MR 71 you are offered a FREE THREE YEAR FACTORY SERVICE CONTRACT. This means you can't pay for the service of your MR 71 for three full years. Transportation to and from the service agency are the only limitations.

*Before you buy* ANY TUNER CONSIDER THIS

The specification for the MR 71 is our promise to you. A promise of performance no one else dare make. Our promise is: Your MR 71 must be capable of performance as advertised or you get a full cash refund of your purchase price. No other manufacturer makes this promise!

**USEABLE SENSITIVITY:**

Better than 2.5 microvolts at 100% modulation ( $\pm 75$  kHz deviation) for less than 3% total noise and harmonic distortion (IHF).

**AUDIO FREQUENCY RESPONSE:**

Within  $\frac{1}{2}$  dB from 20 Hz to 20 kHz including 75 micro-second de-emphasis.

**DISTORTION:**

Less than 0.5% at 100% modulation  $\pm 75$  kHz deviation.

**MUTING:**

IF injected ultrasonic muting: at least 69 dB quieting between stations.

**IMAGE REJECTION:**

Better than 80 dB at 90 MHz better than 70 dB at 105 MHz.

**HUM:**

Better than 70 dB below 100% modulation.

**OUTPUT:**

Approximately 2.5 volts; low source impedance.

**ANTENNA INPUTS:**

300 ohms balanced; 75 ohms unbalanced.

**IF AMPLIFIERS:**

Five stages, with 200 kHz bandwidth.

**TUNING INDICATORS:**

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

**FM MULTIPATH RECEPTION INDICATOR:**

An exclusive new McIntosh development; the electron ray tube indicates multipath distortion.

**MULTIPLEX CHANNEL SEPARATION:**

Better than 30 dB at 1000 Hz.

**MULTIPLEX FILTER:**

Greater than 48 dB suppression below 100% modulation of 19 kHz pilot and 38 kHz carrier.

**MULTIPLEX INDICATOR:**

MPX stereo light activated by 19 kHz carrier only.

## MR 71 SPECIFICATIONS

**MULTIPLEX TYPE:**

Peak-detecting, self-matrixing detector.

**LIMITERS:**

Two stages.

**RADIATION:**

Substantially below FCC requirements.

**SCA FILTER:**

50 dB down at 67 kHz - 275 dB per octave slope.

**AUTOMATIC STEREO-MONO:**

An exclusive McIntosh development; all-electronic automatic stereo-mono 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.

1-2CS6, 5th IF, 2nd Limiter and Muting.

1-6BN8, Muting Amplifier, Muting Detector, AVC Clamper.

2-6BL8, Left and Right, 1st and 2nd Audio Amplifiers.

1-6U8, MPX Amplifier, MPX Indicator Control.

1-6HU6/EM87 Multipath Indicator.

1-12AU7, MPX Oscillator.

1-ST2-275, Voltage Reference.

1-2N3053, (Transistor) MPX Indicator Lamp-Switch.

2-IN542 Diodes, Narrow Band Discriminator.

4-IN542 Diodes, Balanced MPX Detector.

2-IN542 Diodes, Balanced Detector for MPX Indicator.

2-Selenium Rectifiers, High Voltage Power Supply.

1-IN1217 Low Voltage Power Supply.

**POWER CONSUMPTION:**

70 watts, 105 to 125 volts, 50 to 60 Hz.

**DIMENSIONS:**

Front panel, 16 inches wide by  $5\frac{7}{16}$  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,  $1\frac{1}{2}$  inches.

**WEIGHT:**

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

FRANCHISED DEALER

# McIntosh

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