MR85
AM/FM Tuner

"rediscover the pleasures of radio with the MR85 tuner"

The MR85 is meticulously engineered as a broadcast-grade monitor that reveals the upper limits of AM/FM performance. Manual tuning is accomplished through a sophisticated optical encoder that is actuated by a "smooth-dialing" weighted flywheel. Other features include permanent memory for all settings and selectable auto-mute for local/distance tuning. An alpha-numeric fluorescent display indicates band, station frequency, signal strength and station preset.

As an expansion option, an additional tuner module may be added by a McIntosh dealer. This is perfect for multizone applications because the MR85 becomes two great tuners that operate independently and can be used simultaneously. All station presets for each tuner may be labeled with a name containing as many as eight characters. A good tuner is hard to find, even as a separate. A great tuner such as the MR85 is truly rare, and will let you rediscover the pleasures of radio.
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Dual-Tuner Operation
As an expansion option, a McIntosh Dealer may add an additional tuner module. This is ideal for multizone systems, because it creates two tuners that can be used simultaneously.

Weighted Flywheel
For Manual Tuning
An optically encoded weighted flywheel for “dialing in” stations, reminiscent of the smooth-acting flywheel found in classic McIntosh tuners.

Custom Naming
All station presets for each tuner may be labeled with a name containing as many as 8 characters. For example, FM preset 1 could be renamed “JAZZ 1” or “WHRW.”

Spatializer Enhancement
This circuit can expand the sound field for FM stations that have poor separation, or it can provide a pseudo-stereo effect for AM stations.

DMOS-FET RF Amplifier
This circuit provides very high sensitivity with ultra-low distortion.

Linear Phase, Piezoelectric IF Filters
Never requiring adjustment, these filters — together with the associated IF amplifier — provide more than 120dB of gain and selectivity greater than 90dB.

FM TUNER SPECIFICATIONS

- **USEABLE SENSITIVITY**
  - Mono: 19dB
  - Stereo: 35dB

- **50dB QUIETING SENSITIVITY**
  - Mono: 2.4uV across 75 ohms
  - Stereo: 15uV across 75 ohms

- **SIGNAL-TO-NOISE RATIO**
  - Mono: 75dB
  - Stereo: 70dB

- **FREQUENCY RESPONSE**
  - Mono: 20Hz to 15kHz, +0/-1dB
  - Stereo: 20Hz to 15kHz, +0/-1dB

- **HARMONIC DISTORTION**
  - Mono: 0.3% at 100Hz
  - Stereo: 0.45% at 100Hz and 1kHz; 0.65% at 10kHz

- **INTERMODULATION DISTORTION**
  - Mono: 0.25%
  - Stereo: 0.45%

- **CAPTURE RATIO**
  - 1.2dB

- **ALTERNATE CHANNEL SELECTIVITY**
  - 75dB

- **SPURIOUS RESPONSE**
  - 100dB

- **IMAGE RESPONSE**
  - 75dB

- **RF INTERMODULATION**
  - 65dB

- **STEREO SEPARATION**
  - 45dB at 100Hz and 1kHz
  - 35dB at 10kHz

- **SCA REJECTION**
  - 65dB

AM TUNER SPECIFICATIONS

- **SENSITIVITY**
  - Mono: 20uV (external antenna input)
  - Stereo: 60uV (external antenna input)

- **SIGNAL-TO-NOISE RATIO**
  - Mono: 48dB at 30% modulation
  - Stereo: 58dB at 100% modulation

- **FREQUENCY RESPONSE**
  - Mono: 20Hz to 15kHz, +0/-1dB
  - Stereo: 20Hz to 15kHz, +0/-1dB

- **HARMONIC DISTORTION**
  - Mono: 0.4% at 100Hz
  - Stereo: 0.65% at 10kHz

- **INTERMODULATION DISTORTION**
  - Mono: 0.25%
  - Stereo: 0.45%

- **CAPTURE RATIO**
  - 1.2dB

- **ALTERNATE CHANNEL SELECTIVITY**
  - 75dB

- **SPURIOUS RESPONSE**
  - 100dB

- **IMAGE RESPONSE**
  - 75dB

- **RF INTERMODULATION**
  - 65dB

- **STEREO SEPARATION**
  - 45dB at 100Hz and 1kHz
  - 35dB at 10kHz

- **SCA REJECTION**
  - 65dB

GENERAL

- **RATED OUTPUT**
  - 1.2V Fixed
  - 0-1.2V Variable

- **OUTPUT IMPEDANCE**
  - Less than 100 ohms

- **POWER REQUIREMENTS**
  - 120V 50/60Hz, 20W

- **OVERALL DIMENSIONS (H X W X D)**
  - 5.3/8" (13.8 cm) x 17 1/2" (44.5 cm)

- **WEIGHT**
  - 25.5 lbs. (11.6 kg) net
  - 43 lbs. (19.5 kg) boxed