

**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.

- High-Performance AM/FM Broadcast Monitor**
- Expansion Options Adds Second Internal Tuner for Zone B**
- Non-Volatile Memory for 9 FM and 9 AM Presets (per tuner)**
- Custom Naming for Each Preset**
- Auto-Memory of Preferred Settings for Each Preset**
- Permanent Memory of All Settings**
- Auto-mute for Distance Tuning**
- Remote Power Control In/Out**
- Fixed and Variable Audio Outputs**
- McIntosh Spatial Sound Enhancement**
- High Sensitivity DMOS-FET RF Amplifier**
- Phase Locked Loop FM Multiplex Decoder**
- Gold-Plated Output Jacks**

POWER OUTPUT

*A Tradition of Excellence*



*For the Consumer's Protection: In order to ensure the highest level of customer satisfaction, "new" McIntosh products may only be purchased over-the-counter or delivered and installed by an Authorized McIntosh Dealer. McIntosh products that are purchased over the Internet, by phone or mail order are presumed to be "used" and do not qualify for any McIntosh Warranty. McIntosh does not warrant, in any way, products that are purchased from anyone who is not an Authorized Dealer or products that have had their serial number altered or defaced.*

## MR85 AM/FM Tuner

### 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 re-named "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

14dBf (1.4uV across 75 ohms)

#### 50dB QUIETING SENSITIVITY

Mono: 19dBf  
(2.4uV across 75 ohms)  
Stereo: 35dBf  
(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,  
1kHz and 10kHz  
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

20uV (external antenna input)

#### SIGNAL-TO-NOISE RATIO

48dB at 30% modulation  
58dB at 100% modulation

#### FREQUENCY RESPONSE

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

#### HARMONIC DISTORTION

0.5% max at 50% modulation

#### FREQUENCY RESPONSE

50Hz to 6kHz NRSC

#### ADJACENT CHANNEL SELECTIVITY

45dB minimum IHF

#### IMAGE REJECTION

65dB min, 540 kHz to 1600kHz

#### IF REJECTION

80dB minimum

### 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) x 17 1/2" (44.5 cm)

#### WEIGHT

25.5 lbs. (11.6 kg) net  
43 lbs. (19.5 kg) boxed

