The NAD M4 is the most advanced tuner ever developed by NAD. Matching the style, build quality and performance of our award winning Masters Series components, the M4 performance is at the outer limits of radio broadcast quality. Combining a highly sensitive FM/AM tuning section with the latest digital broadcast technology, the M4 extracts maximum sound quality from every radio format.

PERFORMANCE

Whether listening to an analogue broadcast on the FM or AM bands, or a digital broadcast, the M4 offers the highest levels of interference free reception. In the FM Tuner section a shielded multi-stage MOSFET RF features tuning in 0.0125 MHz steps for accurate tuning and the ability to compensate for multi-path contaminated signals. The M4 features a crystal controlled synthesized phase lock loop with IF counter for accurate VCO tuning, and a two stage loop filter for PLL output. In addition, the oscillator to synthesizer stage is buffered to keep spurious responses extremely well suppressed. Excellent sensitivity combined with high overload margins result in good station pulling power and clear reception, even in urban areas. Excellent selectivity and capture ratio allow clear reception of all stations on the often crowded FM dial. The IF stage features three ceramic filter stages for low distortion and excellent channel separation. Sound quality is not overlooked, with a double tuned FM detector for low distortion and frequency response correction and MPX filter to give improved audio frequency response without sacrificing MPX rejection.

AM performance, while never able to achieve the low noise and distortion of FM broadcasting, is never-the-less highly sensitive with noise levels well suppressed. More importantly, it sounds open and dynamic.

Digital Audio Broadcast combines noise-free performance with an unprecedented selection of stations. Since DAB uses audio compression (MP2) to maximize station selection, it is critical that the decoding and conversion to analog be as accurate as possible. Operating at a 48kHz sampling rate and 24 bit word length, DAB broadcasts have low distortion and wide dynamic range. The M4 excels at extracting the maximum sound quality from digital broadcast using premium quality devices and advance circuit design in the digital and analogue stage.

SIMPLICITY

By combining all broadcast formats in one elegant component the M4 is the perfect way to add radio to a Masters Series stereo or surround sound system. Auto tuning finds all the stations available in your locale and the station preset memory allows you to save your favourites for fast and easy recall. These can be accessed from the front panel or via the supplied IR remote control. Additionally, an RS-232 port, IR input and 12V trigger allow

- 40 Preset Station Memory
- RDS function displays Station ID and Radio Text from broadcast compliant stations
- FM Mute eliminates inter-station tuning noise
- FM Blend reduces noise of distant or “fringe” stations by reducing high frequency separation
- High sensitivity AM tuner
- Supports DAB Band III and L Band (230V version)
- XM Ready input for external XM Satellite module (120V version)
- Audiophile quality Burr Brown Digital to Analogue converters
- Audio specific Burr Brown OP Amps
- Separate power supplies for Digital Control and Audio stages
- RS-232 port interfaces with external control systems (Crestron and AMX certified)
- Rear panel IR Input allows easy interface to external IR sensors
- NAD Build Artistry construction
- M4 Remote Control

the M4 to be fully integrated with advanced automated control systems.

The clear two line dot matrix display shows information about the broadcasts being received, which may include station ID and song and artist information.

VALUE

Compared with other tuners of similar performance and capability the M4 stands apart for its superb style, build quality and affordable price.

Specifications

FM Tuner Section	
Tuning Range (0.0125MHz steps)	87.5MHz - 108.5MHz
Usable Sensitivity	13 dBµ
Signal/Noise Ratio	
Mono	72 dB
Stereo	66 dB
Frequency Response (20 Hz - 15 kHz)	±1.0 dB
Channel Separation	
30 Hz	33 dB
1 kHz	42 dB
10 kHz	32 dB
Capture Ratio	3 dB
AM Suppression	65 dB
Image Rejection	85 dB
I.F. Rejection	78 dB
Pilot Suppression	60 dB

AM Tuner Section	
Tuning Range	
North America (10kHz steps)	530kHz - 1710Mhz
Europe (9kHz steps)	531kHz - 1602Mhz
Usable Sensitivity	30dBµ
S/N Ratio	38dB
Total Harmonic Distortion	3%
IF Rejection	36dB
Image Rejection	28dB
Selectivity	17dB
Loop Sensitivity	
999 /1000 kHz	66dB
603/600 kHz	66dB
1404/1400 kHz	66dB
Frequency response	±6 DB
Audio Output	130 mV ±20mV

DAB Tuner Section - Band III	
Tuning Range	174MHz – 240MHz
Maximum input signal	-10 dBm
Usable Sensitivity	-100dBm typical
Far-off Selectivity	40dB
Adjacent Channel rejection	40dB
Total Harmonic Distortion	0.01%
S/N Ratio	100dB
Frequency Response	±0.3dB
Sampling Frequency	48kHz

DAB Tuner Section - Band L	
Tuning Range	1452 - 1492MHz
Maximum input signal	-16 dBm
Usable Sensitivity	-97dBm typical
Far-off Selectivity	40dB
Adjacent Channel rejection	40dB
Total Harmonic Distortion	0.01%
S/N Ratio	100dB
Frequency Response	0.3dB
Sampling Frequency	48kHz

Physical Specifications	
Net Dimensions (W x H x D)	17 1/8 x 3 7/8 x 11 4/5″ (435 x 100 x 300mm)
Gross Dimensions*	17 1/8 x 4 1/2 x 12 1/4″ (435 x 115 x 312mm)
Net Weight	19.75 lbs (8.97kg)
Shipping Weight	31.5 lbs (14.3kg)

*includes volume knob, speaker terminals, connectors & feet. Note: Installers should allow a minimum clearance of 4 inches for wire management.