

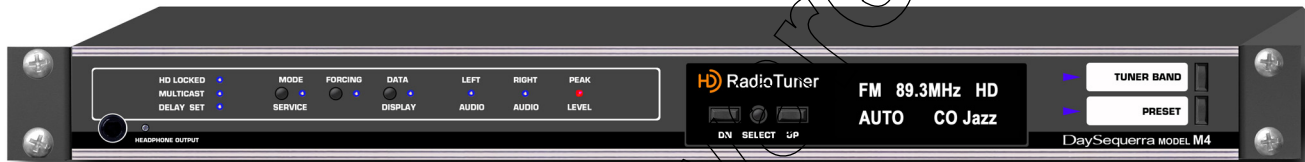
# DaySequerra

## M4.0 HD Radio™ Tuner

### Affordable monitoring for your HD Radio® broadcasts

The DaySequerra M4.0 HD Radio™ tuner is the first “**Tomorrow Radio Ready**” broadcast quality tuner available with built-in Multicast capability. The M4.0 has been designed as the benchmark in sensitivity (< 5.0dBf in AM and FM) and reliability, and at the same time delivers the highest quality, accurate monitoring of existing analog and HD Radio™ AM and FM broadcast signals (THD+N <.005% with stereo separation >90dB for HD Radio™ FM signals).

Just like its larger sibling, the DaySequerra M2.0, the M4.0's ultra low noise RF front-end with built-in preselector and double-balanced mixer, low-jitter DAC and Class-A biased audio outputs provide the highest fidelity reception and demodulation of HD Radio™ programs, including display of program specific data (PSD) for MPS and SPS Multicast signals.



The DaySequerra M4.0 HD Radio™ tuner features include:

- Synthesized, pushbutton tuning for AM and FM bands including Multicast channels
- Balanced audio outputs at +4dBV on 3.5mm Eurostyle (Phoenix) modular connectors
- Transformer isolated 110ohm SPDIF digital audio output – 5.1 Surround capable
- 10 preset stations each for AM and FM bands
- Left and Right Audio “signal present” indicators
- Demodulated audio Peak Level indicator
- HD audio Locked and Delay Bit (active analog diversity delay) front panel indicators
- High quality headphone output with screwdriver gain control on front panel
- HD Radio™ digital to analog program time-alignment monitor
- Optional **HDR•Network**™ application software and network interface for HD Radio™ signal diagnostics including BER measurements

Its robust, modular architecture ensures that the M4.0 will never become obsolete. The rugged M4.0 chassis houses dedicated RF, audio and power supply modules that along with firmware updates via flash programmable memory, completely anticipate the growth of new HD Radio™ services and programming. This design approach along with our product update program ensures that a broadcaster's investment in a DaySequerra product will continue to pay off well into the future.

An **ATI** Group Company

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### *It sounds so good, you'll want to take it home*

Whether it is in the station rack, a remote monitor, or used as a remote demodulating receiver at a translator/repeater site, the M4.0's rugged design, high performance RF capabilities combined with the legendary DaySequerra sound quality, truly make it the HD Radio™ tuner to beat. The DaySequerra M4.0 is the most sensitive, HD Radio™ broadcast tuner on the market today. Combine that with its excellent adjacent rejection capability and high-reliability modular design and you have a tuner that will exceed your expectations in just about any environment.

### *Multi-function VFD and audio displays*

The M4.0's multi-function vacuum florescent display (VFD) provides HD Radio™ PSD information including station, title, artist, album, genre, program type and comment for HD Radio™ MPS and SPS Multicast signals. Left and Right Audio "signal present" indicators along with a demodulated audio Peak Level indicator are provided on the M4.0's front panel.

### *Digital Audio Output and HD Radio™ Digital to Analog Delay Alignment*

Digital broadcasts are converted into analog audio using a low jitter digital-to-analog converter with THD+N <.005%. A transformer isolated 110ohm digital audio output is provided in industry standard SPDIF format for all HD Radio™ broadcasts. The split-channel capability of the front panel headphone jack confirms proper time-alignment of analog and HD Radio™ programming. Delay Bit (indicating active analog diversity delay) and HD audio Locked indicators are also provided on the M4.0's front panel.

### *Upgrade Path*

The M4.0's unique architecture, modular design and on-board flash based microprocessors provide a clear upgrade path. **Option M4.2** includes **HDR•Network™** software, a proprietary PC-based application and a network interface and that permits remote control of the M4.0. **HDR•Network™** also provides a suite of advanced measurements and diagnostics for the HD Radio™ signal including block error and bit error rate measurements for both AM and FM broadcasts. XLR output connectors are also optional (order model M4.0X).

### *Power Requirements and Size / Weight*

105–130VAC or 210–260VAC, 50/60Hz; 18 watts.  
1 3/4"H x 19"W x 14"D (1U) including integral rack mount; 12 lbs. (shipping weight).

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*The DaySequerra M4 is covered by a three-year limited warranty on all parts and labor. Other rights and exclusions apply. Please see complete warranty form for details.*