

# DaySequerra

## M4.2Si

AM-FM Digital Radio Receiver



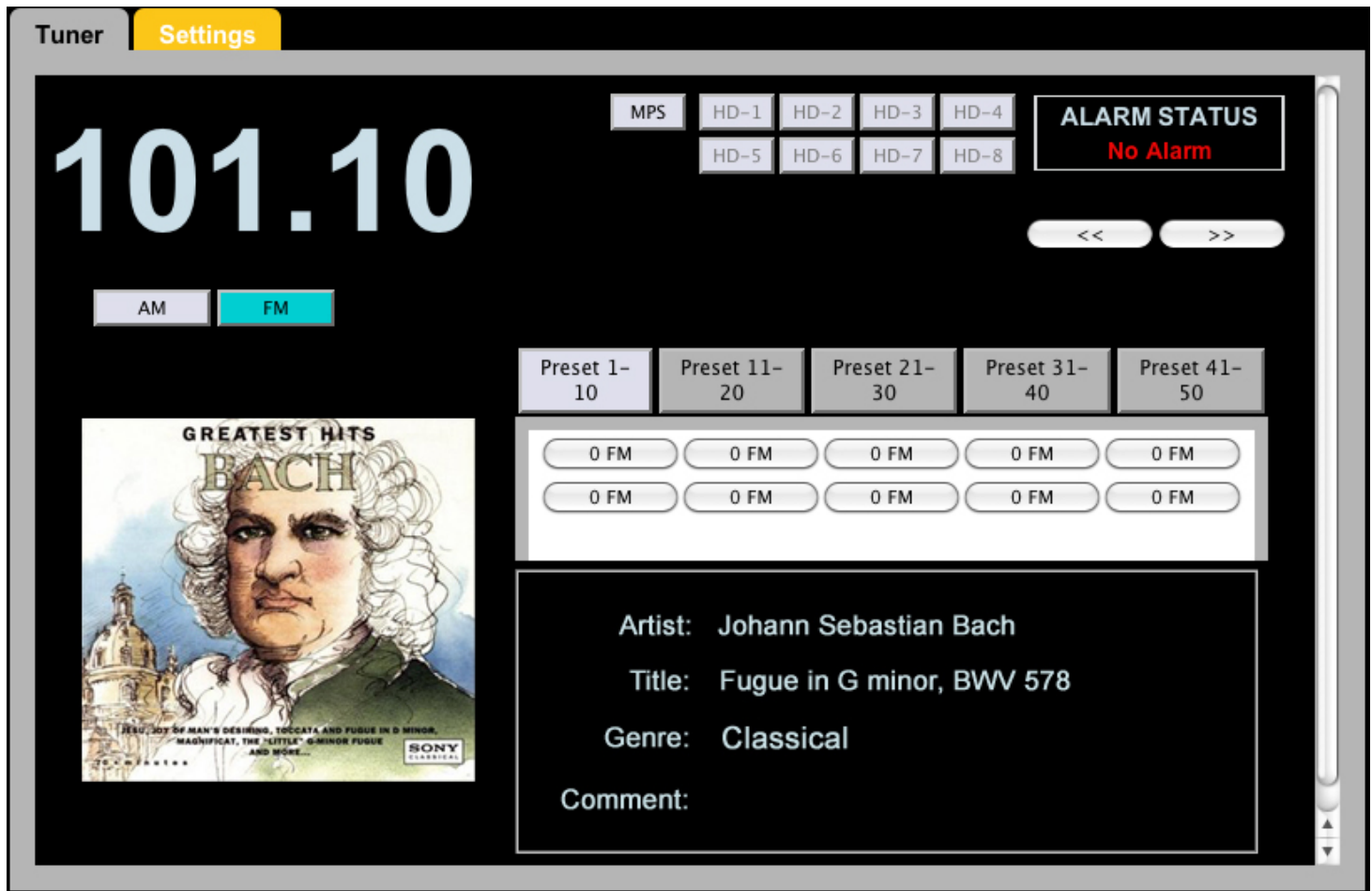
### M4.2Si Broadcast Receiver

**Introducing the M4.2Si.** DaySequerra's new M4.2Si is the most powerful analog AM/FM and HD Radio® AM/FM tuner available today, and it's an incredibly cost-effective solution.

- **Stays Locked** – Proprietary StreamLock technology make sure the M4.2Si stays locked to the stream you've selected - AM-FM analog, AM-FM HD Radio MPS or HD-1 through HD-8, even if the broadcast or your AC power is interrupted; **does not automatically revert to analog!**
- **Analog AM-FM plus HD Radio** – Complete monitoring of HD Radio AM/FM broadcasts including FM multicast channels HD-2 through HD-8: user-selectable tuning steps and analog FM 50/75 µSec de-emphasis.
- **Time-Alignment** – Monitor your HD Radio HD-1/MPS diversity delay using the built-in Split-Mode feature.
- **Bright graphic LCD** – provides front panel display of all RBDS and HD Radio PAD/SIS, along with network and alarm conditions; audio level, digital audio quality and carrier quality indications.
- **Artist Experience** – monitor your broadcast's album art, station logo and advertiser branding.
- **Email Alerts** – Get an email alert direct from your M4.2Si TimeLock for loss of TimeLock, Program Audio, Carrier, or OFDM HD Radio Lock; 5 rear panel alarm tallies.
- **Built-in Webserver** – [Remote Dashboard](#) webserver for remote control and logging using any browser on your Ethernet network; 50 presets per band; remote Flash upgrades; password protected access.
- **Powerful Audio Outputs** – XLR balanced analog outputs +4 dBm @ 100% modulation; high-performance headphone monitor delivering greater than 1W into 8-ohm
- **Front Panel Lockout** – Prevents unauthorized settings changes.
- **Optional TimeLock™** – Upgrade your M4.2Si to measure HD Radio Diversity Delay time alignment of the HD Radio MPS and HD-1 audio streams with accuracy to one audio sample, includes TimeLock rear panel alarm tally and email alert.

*Call +856-719-9900 and schedule your free M4.2Si demo today!*

## M4.2Si: Powerful Remote



Upgrade your M4.0X or M4.2R to M4.2Si

*Factory-Direct - Limited Time Offer*

The DaySequerra **Factory-Direct Upgrade Program** lets you upgrade any DaySequerra M4.0X or M4.2R to add the latest features and benefits of the M4.2Si.

- Factory-Direct Upgrade program and pricing is **available to End-Users only**
- Includes new **3-year Warranty** effective from upgrade date

Email [sales@daysequerra.com](mailto:sales@daysequerra.com) to schedule your upgrade!

- ✓ Stays locked to Multicast
- ✓ Remote Control and Reset
- ✓ Internal Email - no PC required

# M4.2Si

## AM-FM Digital Radio Receiver



## TECHNICAL SPECIFICATIONS

### RF TUNING RANGE

AM: 520 kHz to 1720 kHz (User-selected 9 kHz or 10 kHz increments)  
 FM: 87.9 MHz to 108.1 MHz (User-selected 100 kHz or 200 kHz increments)

### RF USABLE SENSITIVITY

AM: < 20 dBf (-100 dBm) for SNR -20 dB referenced to 30% modulation  
 FM: < 15 dBf (-100 dBm) for SNR -30 dB referenced to 100% modulation

### RF INPUT

F-Type 75-ohm connectors  
 AM-FM: -55 dBm Nominal; -20 dBm Maximum

### IF REJECTION

AM: > 100 dB for SNR -20 dB  
 FM: > 100 dB for SNR -30 dB

### AF BANDWIDTH

AM: ±1 dB, 40 Hz to 15 kHz  
 FM: ±1 dB, 20 Hz to 20 kHz

### FM DE-EMPHASIS

50 µSEC or 75 µSEC (User-selected)

### ANALOG AUDIO OUTPUTS

Left/Right Balanced XLR connectors  
 +4 dBm into 600 ohm at 100% modulation

### DIGITAL AUDIO OUTPUT

AES-3 Professional, 110-ohm transformer-isolated on XLR connector  
 0 dBFS < 0.005% THD+N using HD Radio™ input

### HD RADIO™ HYBRID ACQUISITION

< 4.5 seconds

### HD RADIO™ SPLIT-MODE

MPS Left (on R output) and HD-1 Left (on L output) on Analog, Digital and Headphone audio outputs

### ALARM NOTIFICATION

5-rear panel tallies, front panel indications and email for loss of Audio, Carrier, OFDM HD Radio Lock, Multicast Available and PAD-RBDS

### RBDS DATA

PI [Call Letters], PS [Program Service], PTY [Program Type], and RT [Radio Text]

### HD RADIO™ PAD AND SIS DATA

SIG, SIS, Extended SIS, AAAS, and LOT; PAD including station long and short name, program type, song file, artist, album, genre and comment fields; Artist Experience - album art, station logo and advertiser branding

### AC POWER

Auto-sensing 85-264 VAC, 47-63 Hz input

### ENVIRONMENTAL

Operating Temperature: +41 to +105° F (+5 to +40° C)  
 Storage Temperature: -13 to +140° F (-25 to +60° C)  
 Relative Humidity: Maximum 85%, non-condensing

### DIMENSIONS

1RU EMI-hardened; 19" (482 mm) W x 14" (3.5M) D x 1.75" (44) H

### SHIPPING WEIGHT

12 lbs. [5.4 kg]

### WARRANTY

Three years, limited parts and labor

### M4.2Si RCA OPTION

Unbalanced analog and digital audio outputs on RCA connectors installed in place of standard XLR connectors; order model **M4.2Si-RCA**

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\*Email Server not compatible with SSL encryption  
 Features and specifications are subject to change without notice.

# DaySequerra

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