



# RT 1084 AM / FM / HD™ / Sirius™ Tuner



## Description

It was only a matter of time before radio finally came under the digital gun. Rotel's advanced RT1084 takes advantage of all of the latest tuner technology, including HD Radio™ and Sirius™, to provide you with a solid audio performance unlike any analog tuner before it.

HD Radio technology transmits digital audio and data alongside existing AM and FM analog signals, allowing RT1084 listeners to enjoy crystal-clear sound, while virtually eliminating the static and hiss associated with analog radio. The technology also provides a platform for interactive digital services that will deliver listeners information such as song titles, artist names, traffic updates, weather forecasts, sports scores, and more. HD Radio's multicasting feature is an exciting addition that enables stations to divide their signals into multiple program streams (e.g., 97.3-1, 97.3-2, etc.). Unlike the current radio satellite services, HD Radio

is subscription-free, assuring that AM and FM radio will continue to remain one of the best sources for local music, news, weather, and traffic information. Radio has finally come of age!

But, that's not all. Rotel's RT1084 also includes a plug-in for up to three Sirius™ decoders. This CD quality, satellite based radio service has over 100 channels of advertising free music, sports, comedy and talk radio for a small subscription fee.

RT1084 also sports the standard AM / FM bands for continuing analog service of your favorite stations. It also includes RDS (Radio Data System) for viewing your favorite stations call letters and music material that they are broadcasting. Complete with 12-volt trigger, RS232 and remote control, the RT1084 tuner is an important audio source component for expanding your entertainment choices.

## Specifications

### HD FM

**Tuning Frequency:** 87.5 to 107.9 MHz  
**Sensitivity:** -88dBm  
**Signal to Noise Ratio:** 85 dB  
**THD + N:** 0.10%  
**Channel Separation:** 75dB  
**Frequency Response:** 20 Hz-20 kHz, ± 1.5 dB  
**Digital Output:** Optical, Coax: 44.1 kHz  
**Analog Output:** 1Vrms  
**Analog FM**  
**Tuning Frequency:** 87.5 to 107.9 MHz  
**IHF Sensitivity:**  
**Signal to Noise Ratio:** 68 dBf (mono)  
70 dBf (stereo)  
**THD + N:** 0.5% (mono)  
0.6 % (stereo)  
**Frequency Response:** 20 Hz-14 kHz, ± 1.5 dB

### HD AM

**Tuning Frequency:** 520 to 1710 KHz  
**Sensitivity:** -86dBm  
**Signal to Noise Ratio:** 50 dB  
**THD + N:** 0.10%  
**Channel Separation:** 75dB  
**Frequency Response:** 40 Hz-14.7 kHz, ± 1.5 dB  
**Digital Output:** Optical, Coax: 44.1KHz  
**Analog Output:** 300mVrms  
**Analog AM**  
**Tuning Frequency:** 520 to 1710 KHz  
**Sensitivity:**  
**Signal to Noise Ratio:** 35 dB  
**THD + N:** 2.0%  
**Selectivity:** 20 dB

### Sirius Tuner

**Signal to Noise Ratio:** 73 dB  
**THD + N:** 0.20%  
**Channel Separation:** 73dB  
**General**  
**Power Consumption** 23 watts (rated)  
**Max Power Consumption:** 53 watts (with three Sirius modules connected)  
**Power Requirements (AC):** 120 volts, 60 Hz (USA version)  
**Weight:** 6.5 Kg/14.3 lbs.  
**Dimensions (WxHxD):** 432 x 92 x 343 mm  
17 1/8 x 3 5/8 x 13 1/8 in  
**Tuning Frequency:** 87.5 to 108 MHz  
**Station Presets:** HD/AM/FM: 30 max  
Sirius 1: 30 max  
Sirius 2: 30 max  
Sirius 3: 30 max

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