



***The FM1 Tuner for Frequency Modulation Fans  
Tuned Up for Bel Canto and Other High Performance Systems***

***Ride the waves today with 24-bit/96kHz Digital Outputs and  
Patented Digital IF Analog Tuner Front End***

***Tune It Up with the FM1***

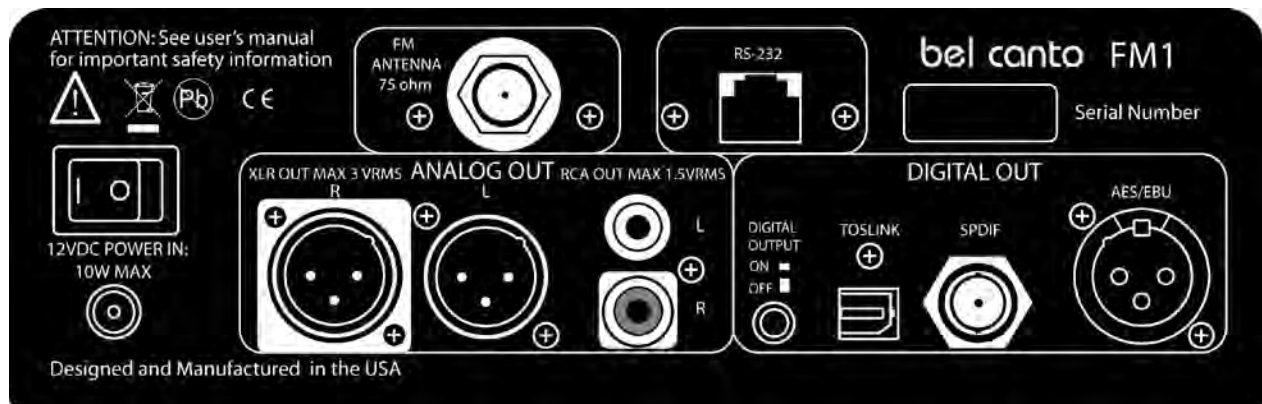
The FM1 brings a new level of convenience and simplicity to your audio system like never before. Experience your favorite FM stations two ways, either on analog line-level outputs or via the digital output -- into one of Bel Canto's high performance converters, of course, for optimum performance.



The extremely quiet tuner section delivers a remarkable musical sound, accurate and detailed. The continuously rotating control knob selects stations and scrolls through an 8-digit alphanumeric display indicating RBDS/RDS (North American Radio Broadcast Data System/European Radio Data System), up to 10 station presets, stereo/mono and signal strength (RSSI) showing true stereo separation. The compact, heavy gauge, all-steel chassis prevents external resonance from interfering with the audio signal for sound that powers your imagination.

The FM1 features patented analog FM receiver architecture and superior RF performance that rejects interference using digital IF processing. The FM1 includes advanced seek algorithms, adjustable soft mute, stereo blend, auto-calibrated digital tuning, and FM stereo processing. Digital signal processing (DSP) allows precise pilot rejection, selectivity, and unmatched audio quality as the digital IF section operates at 24 bits. Run the digital output into your favorite Bel Canto DAC or choose the FM1's analog outputs derived from our High Dynamic Range Bel Canto D-to-A architecture.

The FM1 delivers unprecedented functionality and performance in a compact, easy-to-use package. It's a perfect companion for a Bel Canto DAC Control Center or preamp-based system.



## Specifications

Input Frequency Range:	76-108 MHz
Sensitivity with 75 ohm input:	1.1uV EMF (S+N)/N=26dB
Input IP3:	105 dBuV $ f_2 - f_1  > 1 \text{ MHz}; f_0 = 2 \times f_1 - f_2$
Adjacent Channel Selectivity:	50 dB +/- 200KHz
Alternate Channel Selectivity:	70 dB +/- 400KHz
Frequency Response:	30Hz-15KHz -3dB
S/N:	>63dB
THD:	<0.1%
<b>Analog 24/192 DAC Section:</b>	
Maximum Output:	3Vrms balanced XLR, 1.5Vrms RCA
Output Impedance:	200 ohms balanced XLR, 100 ohms RCA
Frequency Response:	20 Hz-20KHz, +/- 0.5dB
THD+N:	<0.0015%, 3Vrms balanced out, 1KHz
Output Noise:	3.3uVrms, A-weighted 20Hz-20KHz
Dynamic Range:	119dB, A-weighted 20Hz-20KHz
<b>Digital Output Section:</b>	
Digital Output Rate:	24bits/96Ks/s
Digital Output Levels:	110 ohm AES/EBU-3Vp-p • 75 ohm SPDIF-1Vp-p
<b>General:</b>	
Station Presets:	10
Power Input:	12VDC, 0.5A
Power Usage On:	6W
Power Usage Off:	0.0W
Dimensions:	8.5 x 3.5 x 12[inches], 216 x 88 x 305[mm] (WxHxD)
Weight:	13lbs, 6.5Kg

Features and specifications are subject to improvements and changes without prior notice.

## Features

- Internal 24/192 DAC, 122dB dynamic range
- 24-bit/96kHz digital output
- 8-digit alphanumeric green LED display
- 10 station preselects, remote control
- RDS/RBDS Function
- RCA/XLR analog outputs
- AES/EBU, SPDIF, Toslink Digital Outputs
- Power Consumption On 6W, Off 0.0W
- Green, eco-friendly, low-heat, low noise, low power consumption