

**24-bit/96kHz Digital Outputs and
 Patented Digital IF Analog Tuner**

The FM1 brings a convenience and simplicity to your system like never before. Experience your favorite FM station two ways analog output or through the digital output into one of Bel Canto's high performance digital to analog converter for optimum performance.



Tune It Up with the FM1

Bel Canto's e.One FM1 analog tuner easily fits into your system adding another dimension to experiencing your music. The extremely quiet tuner in the FM1 delivers station transmission with remarkable accuracy and detail. The continuously rotating control knob on the front panel selects station and scrolls through display modes that features RBDS/RDS, up to 10 preset station, indicates Mono or Stereo transmission and signal strength (RSSI) to indicate true stereo separation. The compact, heavy gauge, all-steel chassis prevents micro-phonic noise from corrupting the audio signal ensuring you experience the most accurate sound that brings music to life.

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 DAC architecture.

The FM1 incorporates a digital processor for the European Radio Data System (RDS) and the North American Radio Broadcast Data System (RBDS) for station identification and performance information that's displayed on the 8-digit alphanumeric display. The FM1 delivers unprecedented functionality and performance in a compact, easy to use package. It's a perfect system companion for a Bel Canto DAC Control Center or preamp-based system.



FM Section:

Input Frequency Range:
Sensitivity with 75 ohm input:
Input IP3:
Adjacent Channel Selectivity:
Alternate Channel Selectivity:
Frequency Response:
S/N:
THD:

76-108 MHz
1.1uV EMF
105 dBuV
50 dB
70 dB
30Hz-15KHz -3dB
>63dB
<0.1%
(S+N)/N=26dB
 $|f_2 - f_1| > 1 \text{ MHz}; f_0 = 2 \times f_1 - f_2$
+/- 200KHz
+/- 400KHz

Analog 24/192 DAC Section:

Maximum Output:
Output Impedance:
Frequency Response:
THD+N:
Output Noise:
Dynamic Range:

3Vrms balanced XLR, 1.5Vrms RCA
200 ohms balanced XLR, 100 ohms RCA
20 Hz-20KHz, +/- 0.5dB
<0.0015%, 3Vrms balanced out, 1KHz
3.3uVrms, A-weighted 20Hz-20KHz
119dB, A-weighted 20Hz-20KHz

Digital Output Section:

Digital Output Rate:
Digital Output Levels:

24bits/96Ks/s
110 ohm AES/EBU 3Vp-p, 75 ohm SPDIF 1Vp-p, Toslink

General:

Station Presets:
Power Input:
Power Usage On:
Power Usage Off:
Dimensions:
Weight:

10
12VDC, 0.5A
6W
0.0W
8.5 x 3.5 x 12[inches], 216 x 88 x 305[mm] (WxHxD)
13lbs, 6.5Kg

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

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