

# C2N-TXM

## XM® Satellite Radio Tuner

- > XM® Satellite Radio Tuner - 140+ channels of digital programming
- > Controllable via touch screen, keypad, handheld remote, computer, or mobile device
- > Real-time feedback and status display
- > Fully navigable program guide - Displays channels, names, categories, artists, and song titles
- > Onboard memory for 20 "Favorite" presets
- > Receives satellite and terrestrial repeater signals - antenna included
- > Digital, analog, and "CH" CAT5 balanced outputs
- > Cresnet® communications
- > 1 space, 1/2-width rack-mountable



The C2N-TXM is a compact tuner designed by Crestron® to enable enhanced integration of the XM® Satellite Radio service as part of a complete Crestron entertainment system. Available throughout the continental US, XM offers over 140 channels of music, news, sports, talk, comedy, traffic, weather, and more.<sup>[1]</sup>

### Touch Screen Control

The C2N-TXM's Cresnet® interface affords unsurpassed control of the XM radio, with real-time status and true feedback provided through Crestron [touch screens](#), [computers](#), and [mobile devices](#). Listeners can easily locate and select their favorite song or program using the fully customizable onscreen program guide. Up to the minute programming information can be displayed for every XM radio channel, listing channel names, categories, artists, and song titles. Up to 20 "favorite" presets can be stored in the C2N-TXM for fast recall from touch screen devices as well as keypads and handheld remotes.

### Multi-Room Integration

Multiple C2N-TXM tuners can easily be installed along with Crestron [FM](#) and [AM/Weather](#) tuners to accommodate multi-room systems of every size. Crestron tuners are 1/2-width rack-mountable making it easy and affordable to design a multi-channel, multi-format tuner system to accommodate any number of listening zones. The C2N-TXM features digital, analog, and CAT5 balanced outputs to support seamless integration into any Crestron Home® AV distribution system or home theater.

### Simple Installation and Setup

The C2N-TXM receives both satellite and terrestrial repeater signals using the compact high-gain antenna included. A built-in headphone jack and remote sensitivity indicator are included to simplify setup. Signal strength can also be monitored in real-time from the unit's front panel as well as through control system touch screens.

## SPECIFICATIONS

### Audio (analog)

THD+N: <0.01% @1kHz

S/N Ratio: >97 dB balanced, >95 dB unbalanced, 20Hz-22kHz  
A-weighted

Crosstalk: > -90 dB 20Hz-22kHz

### Connectors

**NET:** (1) 4-pin 3.5mm detachable terminal block;  
Cresnet® slave port, connects to Cresnet control network

**AUDIO OUT (CAT5):** (1) 8-pin RJ45 female;  
Shielded, CAT5 balanced stereo audio output port;  
Maximum Output Level: 4 Vrms;  
Connects to any "CH" CAT5 audio input port or bidirectional audio port;  
Maximum Cable Length: 500 ft

**SIG:** (1) 2-pin 3.5mm detachable terminal block;  
Connects to remote sensitivity indicator (included);  
Used during setup to optimize antenna position

**SPDIF:** (1) RCA female, S/PDIF coaxial digital audio output

**AUDIO OUT L/R:** (2) RCA female;  
Unbalanced stereo line-level audio output;  
Maximum Output Level: 2 Vrms;  
Output Impedance: 100 Ohms;  
Minimum Load: 1k Ohms

**XM ANT:** (1) F-type coaxial (F-to-SMB adapter included);  
Indoor/outdoor high-gain antenna w/20 ft cable included;  
Available Power: 200 mA @ 5 Volts DC

**G:** (1) 6-32 screw, chassis ground lug

**Headphone (front):** (1) 3.5mm mini TRS phone jack

# C2N-TXM XM<sup>®</sup> Satellite Radio Tuner

## Display

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(3) Green LED 7-segment digits; displays signal source, signal strength, headphone volume level, and channel

## Controls & Indicators

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**PWR:** (1) green LED, indicates operating power supplied via Cresnet control network

**NET:** (1) yellow LED, indicates communication with Cresnet system

**SIG:** (1) red LED, indicates “signal” mode is selected

**VOL:** (1) red LED, indicates “volume” mode is selected

**CH:** (1) red LED, indicates “channel” mode is selected

**UP/DOWN:** (2) pushbuttons; adjust headphone volume, select channel, and select signal strength source (satellite or terrestrial repeater)

**MODE:** (1) pushbutton, cycles through modes

**SETUP (rear):** (1) red LED and (1) recessed miniature pushbutton for touch-settable ID (TSID)

## Power Requirements

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**Cresnet Power Usage:** 8 Watts (0.34 Amps @ 24 Volts DC)

**XM Antenna Power:** 200 mA @ 5 Volts DC

## Environmental

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**Temperature:** 32° to 122°F (0° to 50°C)

**Humidity:** 10% to 90% RH (non-condensing)

## Enclosure

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**Chassis:** Metal, black finish

**Faceplate:** Extruded aluminum, black finish with polycarbonate label overlay

**Mounting:** Freestanding or 1U, 1/2 width 19-inch rack-mountable (adhesive feet included, ST-RMK rack kit sold separately)

## Dimensions

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**Height:** 1.80 in (46 mm);  
1.70 in (44 mm) without feet

**Width:** 7.07 in (180 mm)

**Depth:** 6.55 in (167 mm)

## Weight

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1.86 lb (844 g)

## MODELS & ACCESSORIES

### Available Models

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**C2N-TXM:** XM Satellite Radio Tuner

### Available Accessories

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**C2N-TXM-C50:** Antenna Extension Cable for XM<sup>®</sup> Radio, 50 ft

**SRD-ANT-1-PAK:** Satellite Radio Antenna System

**SRD-ANT-1LD-PAK:** Satellite Radio Antenna System, Long-Distance

**SRD-ANT-4-PAK:** Satellite Radio Antenna System, 4-Way

**SRD-ANT-8-PAK:** Satellite Radio Antenna System, 8-Way

**ST-RMK:** Rack Mount Kit

Notes:

1. XM Satellite Radio requires subscription. Contact Sirius XM Radio Inc. for details.

This product may be purchased from an authorized Crestron dealer. To find a dealer, please contact the Crestron sales representative for your area. A list of sales representatives is available online at [www.crestron.com/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

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