

Crestron C2N-TXM

XM Satellite Radio Tuner



The C2N-TXM is an XM Satellite Radio tuner designed by Crestron to bring the vast offerings of XM's pure, digital quality programming to the Crestron Home®. Available throughout the continental US*, XM Satellite Radio offers over 150 channels of music, news, sports, talk, comedy, traffic, weather, and more.

Touchpanel Control With True Feedback—The C2N-TXM's bidirectional Cresnet interface affords unsurpassed flexibility for control of XM's many features with real-time feedback and status display provided from any 2-way Crestron touchpanel or e-Control®2 XPanel GUI. Listeners can easily locate and select their favorite song or program using the fully customizable touchpanel 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 any touchpanel, keypad, or handheld remote.

Multi-Room Integration—Multiple C2N-TXM tuners can easily be installed together and in combination with Crestron's FM, AM/Weather, and TV tuners to accommodate multi-room systems of every size. All Crestron tuners are 1/2-space 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 the control system touchpanel, PC, or PDA.

- > *XM Satellite Radio Tuner – 150 Channels of Digital Programming*
- > *Controllable via Touchpanel, Keypad, Handheld Remote, PC, or PDA*
- > *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 CAT5 Balanced Outputs*
- > *Cresnet Communications*
- > *1/2-space Rack-Mountable*

SPECIFICATIONS

Connectors

XM ANT: (1) SMB
Impedance: 50 ohms
Connects to indoor/outdoor high-gain antenna (included)
Includes 20-foot cable; extendable up to 120 feet using C2N-TXM-C50 (sold separately)

AUDIO OUT DIGITAL: (1) RCA female
Coaxial digital audio output

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

AUDIO OUT (CAT5): (1) 8-pin RJ45 female, shielded
CAT5 balanced audio output port
Maximum Output Level: 4 Vrms
Connects to CNX-BIPAD8 or other Crestron CAT5 audio device

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

NET: (1) 4-pin 3.5mm detachable terminal block
Connects to Cresnet control network
Headphone (front): (1) 3.5mm mini TRS phone jack

G: (1) 6-32 screw
Chassis ground lug

Display

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

LED Indicators

PWR: (green) Indicates 24 Volts DC power supplied from Cresnet control network
NET: (yellow) Indicates communication with Cresnet system
SIG: (red) Indicates "signal" mode is selected
VOL: (red) Indicates "volume" mode is selected
CH: (red) Indicates "channel" mode is selected
SETUP: (red-rear) Used for touch-settable ID (TSID)

Buttons

MODE: (1) button cycles through modes
UP/DOWN: (2) buttons adjust headphone volume, select channel, and select signal strength source (satellite or terrestrial repeater)
SETUP: (1-rear) button used for touch-settable ID (TSID)

D/A Converter

THD+N: <0.01% @1kHz
S/N Ratio: >97dB balanced, >95dB unbalanced, 20Hz-22kHz A-weighted
Crosstalk: > -90dB 20Hz-22kHz

Power Requirements

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

Environmental

Temperature: 32° to 122°F (0° to 50°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal, .5U 19" rack mountable using optional ST-RMK (sold separately)

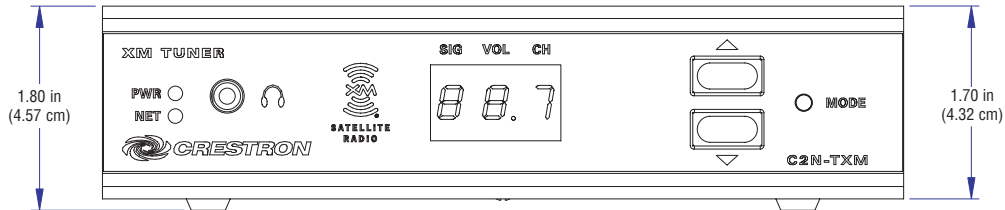
Crestron C2N-TXM XM Satellite Radio Tuner

Dimensions

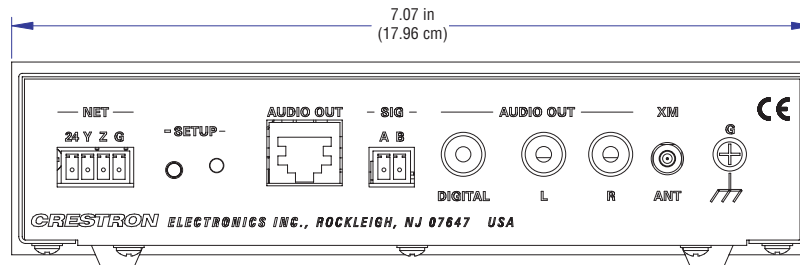
Height: 1.80 in (4.57 cm)
Width: 7.07 in (17.96 cm)
Depth: 6.55 in (16.64 cm)

Weight

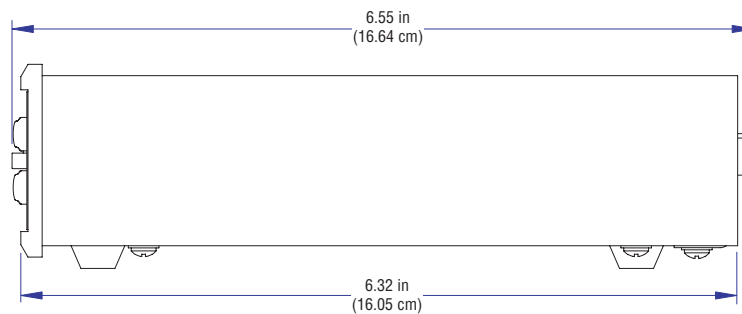
1.86 lbs (0.837 kg)



Front View



Rear View



Right Side View

AVAILABLE ACCESSORIES

ST-RMK
Rack Mount Kit

C2N-TXM-C50
XM Antenna Extension Cable

* Hardware and required basic monthly subscription sold separately. Premium Channel available at additional monthly cost. Installation costs and other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions subject to Customer Agreement available at xmradio.com. Only available in the 48 contiguous United States. ©2005 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.