

C2N-TAMFMXM

AM/FM and XM[®] Satellite Radio Tuner

- > Provides discrete AM/FM and XM[®] tuners in one box^[1]
- > Enables interactive control using touch screens and mobile devices^[2]
- > Support for metadata enables display of station names, song titles, artists, and other details^[3]
- > Onboard user preset capability
- > Includes independent analog and digital audio outputs^[4]
- > Native Crestron[®] system integration via Cresnet[®]
- > Easy setup from front panel or software



The C2N-TAMFMXM provides one AM/FM tuner and one XM[®] Satellite Radio tuner^[1] for use with a Crestron[®] multiroom audio system. Discrete audio outputs are provided for each tuner allowing both tuners to be operated independently and simultaneously. The AM/FM tuner features a stereo analog output, while the XM tuner features both analog and SPDIF digital outputs. Control of each tuner is available through the LCD front panel, as well as from Crestron touch screens, computers, and mobile devices via a Crestron control system.

The C2N-TAMFMXM is an ideal companion to the [C2N-AMP-4X100](#) 4 Room Audio System, [C2N-AMP-6X100](#) 6 Room + 2 Audio System, or Sonnex[®] Multiroom Audio System ([SWAMP-24X8](#)). Multiple tuners can be installed to accommodate any number of listening zones, allowing listeners in each room to enjoy their choice of music, news, talk, or sports.

SPECIFICATIONS

AM Tuner

Frequency Range: 530 to 1710 kHz (9 or 10 kHz steps)
Sensitivity: 3.5 μ V (RF input level 10 dB S+N/N)
Selectivity: 10 kHz
Alternate Channel Selectivity: 55 dB
Image Rejection: 35 dB
IF Rejection: 60 dB

FM Tuner

Frequency Range: 87.50 to 108 MHz (50 or 100 kHz steps)
Usable Sensitivity: 11 dBf mono; 60 dBf stereo
S/N Ratio: 64 dB @ 65 dBf mono; 56 dB @ 65 dBf stereo
IF Rejection: 100 dB
AM Rejection: 55 dB
Stereo Separation: 27 dB

XM Tuner (analog)

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

Connectors

AM-FM AUDIO OUT L,R: (2) RCA female;
AM/FM tuner unbalanced stereo line-level audio output

XM AUDIO OUT L,R: (2) RCA female;
XM tuner unbalanced stereo line-level audio output

XM AUDIO OUT SPDIF: (1) RCA female;
XM tuner S/PDIF coaxial digital audio output

FM ANTENNA: (1) IEC 169-2 coaxial (IEC-to-F adapter included);
FM wire antenna included;
Impedance: 75 Ohms

AM ANTENNA: (1) 2-pin spring-loaded terminal;
AM shielded loop antenna included;
Impedance: 50 Ohms

XM ANTENNA: (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

NET: (2) 4-pin 3.5 mm detachable terminal blocks;
Cresnet slave ports, paralleled;
Connect to Cresnet control network

24 VDC 2A: (1) 2.1 x 5.5 mm DC power connector;
24 Volt DC power input (PW-2420RU power pack included)

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

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Display

Green LCD alphanumeric, 2 lines x 20 characters per line;
Displays setup and control menus, and channel and content information

Controls & Indicators

AM, FM, XM: (3) Pushbuttons, select which tuner band to control
DISP: (1) Pushbutton, press to display channel and content information
MENU: (1) Pushbutton, press to display a list of menu options
▲, ▼: (2) Pushbuttons, used to navigate the menu and select channels
ENTER: (1) Pushbutton, press to execute a menu item
NET: (1) Amber LED, indicates communication with the Cresnet system
RESET: (1) Recessed pushbutton for hardware reset

Power Requirements

Power Pack: 2 Amps @ 24 Volts DC;
100-240 Volts AC, 50/60 Hz power pack, model PW-2420RU included

Cresnet Power Usage: none

XM Antenna Power: 200 mA @ 5 Volts DC

Environmental

Temperature: 32° to 113° F (0° to 45° C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 27 BTU/hr

Enclosure

Chassis: Aluminum w/polycarbonate label overlay
Front Panel: Plastic, black with polycarbonate label overlay

Dimensions

Height: 2.36 in (60 mm) with feet
Width: 8.12 in (206 mm)
Depth: 5.93 in (151 mm)

Weight

4.30 lb (1.95 kg)

MODELS & ACCESSORIES

Available Models

C2N-TAMFMXM: AM/FM and XM[®] Satellite Radio Tuner

Included Accessories

PW-2420RU: Wall Mount Power Pack 24VDC, 2A (Qty. 1 included)

Available Accessories

C2N-TXM-C50: Antenna Extension Cable for XM[®] Radio, 50 ft
CBL-RCA: Crestron[®] Certified RCA S/PDIF Audio Interface Cables
CBL-RCA2: Crestron[®] Certified RCA Stereo Audio Interface Cables

Notes:

1. XM Satellite Radio requires a paid subscription. Contact Sirius XM Radio Inc. for details.
2. Crestron control system and programming required.
3. FM radio metadata display dependent upon individual station support for RDS/RBDS.
4. Digital output is for XM tuner only.

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 or by calling 800-237-2041.

The specific patents that cover Crestron products are listed online at: patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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