

CEN-TRACK

Tuner Rack

The CEN-TRACK is a modular multi-tuner capable of providing up to 6 independent radio tuners for use in a Crestron multi-room audio distribution system. Full control of each tuner is available through the LCD front panel, and from Crestron touchpanels.

Modular Tuner Cards

Up to 3 of Crestron's Adagio® dual radio tuner cards can be installed in the CEN-TRACK to enable combinations of AM/FM, XM and SIRIUS® Satellite Radio tuners. The modular card-based design makes it easy to change or expand the tuner configuration as needs change, or upgrade any tuner card as new features and services become available. Each CEN-TRACK comes with one dual-tuner card included.

Multiple Outputs

Six individual audio outputs allow for connection to any multi-room audio distribution system, letting listeners in different rooms each enjoy their own choice of music, news, sports and talk. Both balanced and unbalanced analog outputs are provided, making the CEN-TRACK ideal for use in all types of professional and commercial applications as well as the finest residential installations. Digital outputs are also included to deliver the highest quality audio interface from digital radio sources*.

Metadata Display

Satellite radio services and most FM stations send text information called "metadata" as part of their broadcast signals. Metadata can include the radio station name, program or song title, artist name, category, traffic, weather, and phone numbers. All of this information is displayed on the Tuner Rack's front panel LCD screen. But better than that, it can also be displayed on any Crestron touchpanel or APAD controller, providing useful information to the listener at any location throughout the home or office.

Program Guide

Each satellite radio tuner supports powerful browsing capability through an extensive program guide, which can be customized for display on any Crestron touchpanel or computer, listing every available channel and what is currently playing on each channel. Capabilities include sorting and searching by category, title, or artist. Multiple users can each have full access to browse any of the available tuner program guides simultaneously without conflict. Up to 20 channel favorites can also be saved as presets for each tuner, including AM and FM.

Ethernet Control

The CEN-TRACK communicates with a Crestron 2-Series Control System via high-speed Ethernet, ensuring full bandwidth to support multiple users and touchpanels. The control system's clock may also be synchronized to any digital radio tuner card that provides a time signal. Full setup and diagnostics may be performed from the front panel or **Crestron Toolbox™** software. Additionally, the antenna signal strength and subscription activation codes can also be displayed on a touchpanel for easy troubleshooting.

> *Modular multi-tuner using Adagio tuner cards*

> *Up to 6 AM/FM tuners, or up to 3 satellite radio and 3 AM/FM tuners*

> *Supports both XM and SIRIUS Satellite Radio*



> *Touchpanel display of program guides and metadata*

> *Up to 20 channel presets per tuner*

> *Balanced, unbalanced, and digital audio outputs**

> *Ethernet integration with 2-Series control systems*

> *Easy setup from front panel or software*

SPECIFICATIONS

Ethernet

10/100BaseT, static IP or DHCP, DNS, full duplex, auto-discovery

Connectors

SLOT 1 - 3: (3) Adagio tuner card slots;

Accept choice of dual tuner cards

LAN: (1) 8-wire RJ45 with 2 LED indicators;

10/100BaseT Ethernet port;

Green LED indicates link status;

Yellow LED indicates Ethernet activity

COMPUTER: (1) USB Type B female;

USB 1.1 computer console port (cable included)

SPDIF 1 - 6: (6) RCA female;

S/PDIF coaxial digital audio outputs*

AUDIO 1 - 6 (RCA): (12) RCA female;

Provide (6) unbalanced stereo line-level audio outputs;

Maximum Output: 2 V_{RMS};

Output Impedance: 100 ohms

AUDIO 1 - 6 (Terminal): (6) 5-pin 3.5mm detachable terminal blocks;

Balanced/unbalanced stereo line-level outputs;

Output Impedance: 200 ohms balanced, 100 ohms unbalanced;

Maximum Output Level: 4 V_{RMS} balanced, 2 V_{RMS} unbalanced

24 VDC 2.0A: (1) 2.1mm barrel DC power jack;

24 Volt DC power input (**PW-2420RU** power supply included)

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

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

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LCD Display

Green LCD dot matrix, 128 x 64 resolution, adjustable LED backlight;
Displays tuner settings, metadata, and setup menus

Controls and Indicators

HW-R: (1) recessed miniature pushbutton for hardware reset, reboots the unit

MENU: (1) pushbutton, steps menu back one level

DISPLAY: (1) pushbutton, toggles information displayed on the LCD screen

Softkeys: (4) LCD display-driven pushbuttons, select/activate various menu functions

TUNE: (1) continuous turn rotary encoder; scrolls through channels, presets, and other menu lists; adjusts selected parameters

ENTER: (1) pushbutton, executes value set by the TUNE knob

TUNERS: (6) pushbuttons, (6) red LEDs, and (6) 3/8" label slots; select which tuner is being displayed and adjusted

Power Requirements

24VDC: 2 Amps @ 24 Volts DC

External Power Supply (PW-2420RU included) : 100-250 Volts AC, 50/60 Hz

Environmental

Temperature: 41° to 104°F (5° to 40°C)

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

Heat Dissipation: 110 BTU/hour

Enclosure

Chassis: Steel, black matte powder coat finish, convection-cooled, vented top and sides

Faceplate: Extruded aluminum, black matte powder coat finish with polycarbonate label overlay

Mounting: Freestanding or 2U 19-inch rack-mountable (adhesive feet and rack ears included)

Dimensions

Height: 3.56 in (9.04 cm), 3.47 in (8.82 cm) without feet

Width: 17.03 in (43.25 cm), 19.0 in (48.26 cm) with ears

Depth: 10.30 in (26.16 cm)

Weight

6.75 lb (3.06 kg) including 1 tuner card

AVAILABLE MODELS

CEN-TRACK-AMFM2: Tuner Rack (Includes [1] ATC-AMFM2 Dual AM/FM Tuner Card)

CEN-TRACK-AMFMSR: Tuner Rack (Includes [1] ATC-AMFMSR AM/FM and SIRIUS® Satellite Radio Tuner Card)

CEN-TRACK-AMFMSRD: Tuner Rack (Includes [1] ATC-AMFMSRD AM/FM and SIRIUS® Satellite Radio Tuner Card w/Digital Out)

CEN-TRACK-AMFMXM: Tuner Rack (Includes [1] ATC-AMFMXM AM/FM and XM Satellite Radio Tuner Card)

CEN-TRACK-AMFMXMD: Tuner Rack (Includes [1] ATC-AMFMXMD AM/FM and XM Satellite Radio Tuner Card w/Digital Out)

INCLUDED ACCESSORIES

PW-2420RU: Regulated Universal Power Pack

AVAILABLE ACCESSORIES

ATC-AMFM2: Adagio Dual AM/FM Tuner Card

ATC-AMFMSR: Adagio AM/FM and SIRIUS® Satellite Radio Tuner Card, Analog Out

ATC-AMFMSRD: Adagio AM/FM and SIRIUS® Satellite Radio Tuner Card, Digital Out

ATC-AMFMXM: Adagio AM/FM and XM Satellite Radio Tuner Card, Analog Out

ATC-AMFMXMD: Adagio AM/FM and XM Satellite Radio Tuner Card, Digital Out

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