Crestron ST-TUNE
Integrated AM/FM/TV Tuner

Crestron's new ST-TUNE is an integrated AM/FM/TV tuner that's a smart addition to any home application where a high performance tuner is required. it provides both professional quality audio and a level of functionality that surpasses all other systems available today.

The ST-TUNE plugs directly into the Crestron control network for seamless integration into any Crestron system. At the touch of a button from any Crestron touchpanel, you have access to your favorite presets for AM, FM, or TV channels, including digital station display. ST-TUNE also offers unlimited station presets. And Secondary Audio Program capability allows you to receive foreign language programming.

Imagine tuning to CNN to watch the business report, or to your favorite FM or cable radio station for music... all with a simple touch of the finger. It's that easy with the addition of the ST-TUNE to any Crestron system.

The ST-TUNE is part of the complete Crestron Home™ line of fully integrated control and automation solutions. Crestron Home features professional tabletop, in-wall and wireless touchpanels, keypads, control processors, audio amplifiers, tuners and switchers, plus easy-to-use software templates for system design and programming. With Crestron Home, technology is practical and easy to use.

> *AM and FM radio stations*
> *Broadcast TV channels 2-83*
> *CATV channels 2-125*
> *Secondary Audio Program (SAP)*
> *Unlimited station presets*
> *Digital station/channel display on all Crestron wired and 2-way RF touchpanels*
> *Local control buttons on front panel of tuner*
> *Rack mountable*
> *Digital Cresnet communications*
> *Add any number of ST-TUNEs to Crestron control applications*

CRESTRON

Crestron ST-TUNE Integrated AM/FM/TV Tuner

2000 ELECTRONIC LIFESTYLES AWARD

Manufacturers' Excellence for Best Overall Service:
Crestron Electronics

Buttons

TUNING ▲▼ : Tunes signal up or down

BAND: Selects either AM, FM, or TV

MONO: Toggles between mono and stereo reception (all modes except AM)

MODE: Selects either local preset, manual tuning, or search mode

Connectors

12VDC 1A: power socket connector used to supply power via an external AC power pack

NET: (2) 6-position RJ11 modular jacks are pass-through connectors that are also used to connect the unit to the system

AUDIO (L+R): (1) RCA jack pair; audio outputs

VIDEO: RCA jack; outputs composite video

AM: 2-position connector; connects to AM antenna

FM: "F" type coaxial connector; connects to FM antenna

TV: "F" type coaxial connector; connects to TV antenna

Indicators

PWR: Indicates power supplied to the unit

NET: Indicates communications between the system and ST-TUNE

SIG: Display indicates strength of incoming signal

MONO: Indicates that mono output is activated in FM, WX or TV band

SAP: Indicates that secondary audio program selector is activated while in the TV band

PRE: Indicates that manual preset mode is activated

TUNE: Indicates that manual tuning mode is activated

SRCH: Indicates that manual search mode is activated

AM: Indicates unit is set for AM reception

FM: Indicates unit is set for FM reception

WX: Indicates unit is set for weather radio reception

TV: Indicates unit is set for TV reception

AM Tuner Specifications

Sensitivity: 55µV

Alternate Channel Selectivity: 55dB

Image Rejection: 35dB

IF Rejection: 60dB

Output Level, Line @ 10k ohms AM/FM: 1VRMS

FM Tuner Specifications

Input Connector ("F" Type Coaxial): 75 ohms

Frequency Range: 87.54MHz to 107.9MHz

Usable Sensitivity, Mono: 11 (dBf)

Signal to Noise Radio @ 65 dBf, mono/stereo: 74dB/70dB

Selectivity, Adjacent / Alternate Channel: 5dB/65dB

IF Rejection: 100dB

AM Rejection: 55dB

Stereo Separation: 45dB

THD @ 1KHz mono/stereo (%)**:** 0.05

TV Tuner Specifications

Input Connector: "F" Type Coaxial: 75 ohms

Frequency Range: 55 to 802MHz

Off air TV Channels: 2 to 83

CATV Cable Channels: 2 to 125

Stereo Separation: 35dB

THD @ 1KHz L+R (%): 0.2

Sensitivity: −20 to +20dBmV

Video Level @ 75 ohms: 1VRMS

Output Level, Line @ 10k ohms: 1VRMS

SAP: Secondary Audio Program

Power Requirements:

24VDC, 0.375mA; network power

Cresnet Power Factor: 9W

Dimensions

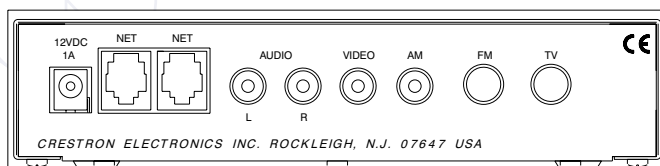1.70"/4.23cm (H) x 7.07"/17.95cm (W) x 6.32"/16.06cm (D)

Weight

2.3lbs./1.05kg

ST-TUNE Front View

ST-TUNE Rear View

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