

ATC-AUDIONET

Internet Radio Tuner Card

1 Introduction

The ATC-AUDIONET is an Internet radio tuner card for use with card slot equipped devices such as the TunerRack Multi-Tuner (CEN-TRACK), the Adagio® Entertainment System (AES), the Adagio Media System (AMS), and the Adagio Media System with Advanced Image Processing (AMS-AIP).

The ATC-AUDIONET can also be used for local audio file playback with its built-in memory card slot.

For details, refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933) at www.crestron.com/manuals.

2 Installation

The following items are required to install the ATC-AUDIONET:

- Small flat-blade screwdriver
- Grounding strap (recommended)

CAUTION: The ATC-AUDIONET and host system contain electrostatic discharge (ESD) sensitive devices. It is recommended that a grounding strap be worn to avoid damaging the card and host system.

CAUTION: When inserting a card into an Adagio system that features tuner card slots (AES, AMS, AIP), other source connections may need to be moved if the designated connectors are occupied by other sources. Refer to the respective operations guide for details. Do not connect external sources to **SOURCES** connectors used by tuner cards.

CAUTION: Be certain to insert tuner card before applying power to the Adagio system.

Perform the following to install the card in the host system.

1. Disconnect power from the host system.
2. Remove the slotted screws securing any cover plate that may be fastened to the slot that is to be used, then set the screws and the cover plate aside.
3. Unpack the ATC-AUDIONET card.

If the included memory card is to be used for audio playback, it should be installed before inserting the ATC-AUDIONET into the system. For details, refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933).

4. As shown in the adjacent photo, position the ATC-AUDIONET card so that the print on the faceplate is right side up and the side rails of the card slide into the plastic slots mounted on the left and right inside walls of the host system.
5. Push the ATC-AUDIONET card into the slot until it stops at the rear connector, and then push again until the ATC-AUDIONET snaps into place.
6. Secure the card in place by tightening the two slotted screws by hand. The screwdriver slots are provided for removal only.
7. Connect Ethernet cable to the **LAN** port on the ATC-AUDIONET.
8. Apply power to the the host system.



3 Front Panel Controls

NOTE: When the ATC-AUDIONET is installed in an AES, AMS, or AMS-AIP, the user interface described here is only displayed when a custom program is used.

The ATC-AUDIONET is controlled with the **TUNE** knob on the CEN-TRACK or the selection knob on the AES, AMS, and AMS-AIP (hereinafter referred to as the **TUNE/selection knob**), the **ENTER** button, and buttons located under the display:

- Turn the **TUNE/selection knob** to scroll through a list and highlight an item.
- Press the **ENTER** button to select the highlighted item or store a setting.
- Press **MENU** to return to the previous screen or menu.
- Press a button to perform the action indicated above on the display.

4 Setup

NOTE: To use the ATC-AUDIONET with a control system, an IP table must be set on the ATC-AUDIONET. Refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933).

IP Settings

By default, the ATC-AUDIONET uses DHCP to obtain an IP address.

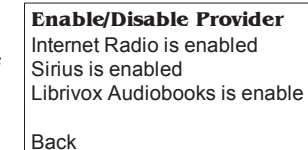
To use a static address, refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933).

Enable and Disable Providers

Specify the services that are displayed in the tuner's "Browse" menu.

1. Select the ATC-AUDIONET as the source to control:
 - For the CEN-TRACK, press the **TUNERS** button for the card slot that contains the ATC-AUDIONET.
 - For the AES, AMS, and AMS-AIP, press the **SOURCE** button, turn the selection knob to display the ATC-AUDIONET, and press the **ENTER** button.

2. Press **MENU**.
3. Press the button labeled **Setup**.
4. Turn the **TUNE/selection knob** to highlight *Enable/Disable Providers* and press the **ENTER** button. A list of providers and their respective status is displayed.
5. Turn the **TUNE/selection knob** to highlight the service to be enabled or disabled and press the **ENTER** button.
6. Turn the **TUNE/selection knob** to highlight the desired setting and press the **ENTER** button.
7. Repeat steps 5 and 6 for each service to be enabled or disabled.

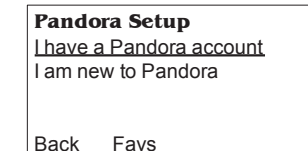


Pandora (Optional)

Log In to Pandora

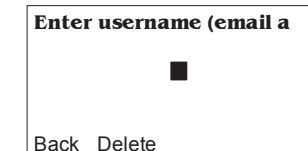
The first time the Pandora® service is selected for listening, a user account must be entered or created.

1. Select the ATC-AUDIONET as the source to control.
2. Press the button labeled **Browse**.
3. Turn the **TUNE/selection knob** to highlight *Pandora* and press the **ENTER** button.
4. Log in to the Pandora service using an existing Pandora account or create a new one.



NOTE: The ATC-AUDIONET can be used to access the free (Pandora) or pay (Pandora One) service. It can also be used to create an account for the free service. However, it cannot be used to create an account for the pay service.

- Use an existing Pandora account:
 - a. Turn the **TUNE/selection knob** to highlight *I have a Pandora account* and press the **ENTER** button.
 - b. Turn the **TUNE/selection knob** to display the first letter of the account's e-mail address and press the **ENTER** button. To delete a letter, press the button labeled **Delete**. To return to the previous screen, press the button labeled **Back**.
 - c. Repeat step b for each letter in the account's e-mail address and press the **ENTER** button.



Pandora (Optional) (Continued)

- d. Press the button labeled **Submit** to continue.
- e. Turn the **TUNE**/selection knob to display the first letter of the account's password and press the **ENTER** button.

Enter password:

■

Back Delete

NOTE: The password is case sensitive.

- f. Repeat step e for each letter in the account's password and press the **ENTER** button.
- g. Press the button labeled **Submit** to continue. A list of Pandora stations is displayed.
- Create a new Pandora account:
 - a. Turn the **TUNE**/selection knob to highlight *I am new to Pandora* and press the **ENTER** button. The display shows an activation code and a website address.
 - b. From a computer, navigate to www.pandora.com/crestron.
 - c. Enter the activation code and follow the instructions for creating a new account.
 - d. On the host system, turn the **TUNE**/selection knob clockwise to select the last line of the displayed message and press the **ENTER** button. The Pandora controls are displayed.
 - e. Log in to the Pandora service as described in "Use an existing Pandora account" on page 1.

Log Out of Pandora

To change the Pandora account that is being used, the current user account must be logged out. Perform the following to log out the current Pandora user account.

1. Select the ATC-AUDIONET as the source to control.
2. Press **MENU**.
3. Press the button labeled **Setup**.
4. Turn the **TUNE**/selection knob to highlight *Setup Pandora* and press the **ENTER** button.
5. Press the **ENTER** button to continue. To cancel, press the button labeled **Back**.
6. To confirm, turn the **TUNE**/selection knob to highlight *Yes* and press the **ENTER** button. To cancel, turn the **TUNE**/selection knob to highlight *No* and press the **ENTER** button.

SiriusXM Internet Radio (Optional)

NOTE: A SiriusXM login can only be used on one device at a time. If another device logs in to SiriusXM with the same login, the currently connected device is disconnected.

NOTE: If the user does not use the SiriusXM online service, disable the service as described in "Enable and Disable Providers" on page 1.

1. If there is no SiriusXM streaming account, go to www.siriusxm.com to set up an account. A paid SiriusXM® streaming Internet radio subscription is required to receive SiriusXM Internet radio.

NOTE: There is a monthly charge for an account. Free trial accounts are not supported by the ATC-AUDIONET.

2. While listening to an Internet radio station, press the button labeled **Setup**.
3. Turn the **TUNE**/selection knob to highlight *Setup Sirius* and press the **ENTER** button.
4. Turn the **TUNE**/selection knob to highlight *Set Username* and press the **ENTER** button.

Enter username:

■

Back Delete

NOTE: The username is case sensitive.

- a. Turn the **TUNE** knob to display the first letter of the username and press the **ENTER** button. To delete a letter, press the button labeled **Delete**. To return to the previous screen, press the button labeled **Back**.
- b. Repeat step a for each letter in the username and press the **ENTER** button.
- c. Press the button labeled **Submit** to enter the username. A confirmation screen is displayed.
- d. Press the button labeled **Back** to return to the "Setup Sirius" menu.
5. Turn the **TUNE**/selection knob to highlight *Set Password* and press the **ENTER** button.

Enter password:

■

Back Delete

NOTE: The password is case sensitive.

- a. Turn the **TUNE**/selection knob to display the first letter of the password and press the **ENTER** button. To delete a letter, press the button labeled **Delete**. To return to the previous screen, press the button labeled **Back**.
- b. Repeat step a for each letter in the password and press the **ENTER** button.
- c. Press the button labeled **Submit** to enter the password. A confirmation screen is displayed.
- d. Press the button labeled **Back** to return to the "Setup Sirius" menu.
6. Press the button labeled **Back** to return to the previous screen.

5 Listen to Internet Radio Sources

To listen to any of the Internet radio sources, select the ATC-AUDIONET as the source to control:

- For the CEN-TRACK, press the **TUNERS** button for the card slot that contains the ATC-AUDIONET.
- For the AES, AMS, and AMS-AIP, press the **SOURCE** button, turn the selection knob to display the ATC-AUDIONET, and press the **ENTER** button twice.

If the tuner is already in use, information on the station and control options are displayed; otherwise, a list of favorite categories are displayed.

Internet Radio

Favorites

Perform the following to browse through favorite Internet radio stations.

1. Press the button labeled **Favs**. A list of favorite categories is displayed.
2. Turn the **TUNE**/selection knob to highlight a favorite category and press the **ENTER** button. A list of stations within the category is displayed.
3. Turn the **TUNE**/selection knob to highlight the station to be tuned and press the **ENTER** button:

Favorites

Classical

Rock

Browse

Classical

Barock Music

BBC Radio 3 90 FM

Amadeus 103.7

Back Browse Clear

- Press the button labeled **Back** to return to the previous screen.
- Press the button labeled **Browse** to browse stations.
- Press the button labeled **Clear** to remove the highlighted station from the list of favorites.

NOTE: Stations that are cleared from the list of favorites are also cleared from the favorite station list at radio.crestron.com.

Browsing Stations

The *Internet Radio* option allows the user to search for Internet radio stations and podcasts or browse Internet radio stations.

1. Press the button labeled **Browse**.
2. Turn the **TUNE**/selection knob to highlight *Internet Radio* and press the **ENTER** button.
3. Turn the **TUNE**/selection knob to highlight a browsing method and press the **ENTER** button.

(Continued on the following sheet)

Search Stations/Search Podcasts

Select either of these options to search for Internet radio stations or podcasts by name.

1. Turn the **TUNE**/selection knob to display the first letter of the search string and press the **ENTER** button. To delete a letter, press the button labeled **Delete**. To return to the previous screen, press the button labeled **Back**.
2. Repeat step 1 for each letter in the search string and press the **ENTER** button.
3. Press the button labeled **Submit** to begin the search. A list of stations and podcasts matching the search string is displayed.
4. Turn the **TUNE**/selection knob to highlight the desired station or podcast and press the **ENTER** button.



Other Browse Methods

The user can also browse stations located nearby (*Local Stations*), recently played stations, stations and podcasts in a specific location (*Location*), stations and podcasts within a specific genre (*Genre*), newly added stations, and the most popular stations.

Other Functions

While listening to an Internet radio station, the user can add it to a group of favorite stations, view the list of favorite stations, browse for another station, or configure the ATC-AUDIONET:

- Press the button labeled **Add** to add the current Internet radio station (not Sirius, Librivox Books, or Pandora) to the list of favorites.

NOTE: Favorite stations and podcasts can also be managed online at radio.crestron.com. For details, refer to "Manage Favorite Stations and Podcasts Online" on sheet 3.

- Press the button labeled **Favs** to display the list of favorite stations.
- Press the button labeled **Browse** to browse through the available stations and other Internet radio feeds.
- Press the button labeled **Setup** to configure the ATC-AUDIONET. The *Internet Radio* option also provides the tuner's access code, which is used to add stations and podcasts from a web browser. For more information, refer to "Manage Favorite Stations and Podcasts Online" on sheet 3.
- To reset the list of favorite stations, turn the **TUNE**/selection knob to highlight *Reset Favorites* and press the **ENTER** button.

Pandora Internet Radio

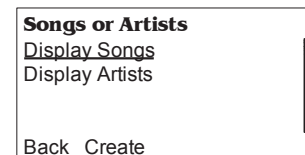
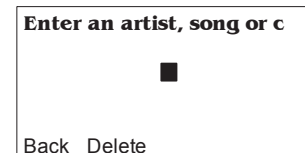
Choose the *Pandora* option to create and listen to Pandora Internet Radio stations.

NOTE: If Pandora is being used for the first time (or no one has logged in), options for logging in or creating a Pandora account are displayed. Refer to section 4 for details.

Create a Station

Pandora allows the user to create a station based on an artist's name, a song title, or a composer's name.

1. Turn the **TUNE**/selection knob to highlight *Pandora* and press the **ENTER** button. A list of radio stations is displayed.
2. Press the button labeled **Create**.
3. Turn the **TUNE**/selection knob to display the first letter of the search string and press the **ENTER** button. To delete a letter, press the button labeled **Delete**. To return to the previous screen, press the button labeled **Back**.
4. Repeat step 3 for each letter in the search string and press the **ENTER** button.
5. Press the button labeled **Submit** to continue. A list of options is displayed.
6. Turn the **TUNE**/selection knob to highlight the desired option and press the **ENTER** button. A list of selections that correlate to the search string is displayed.
7. Turn the **TUNE**/selection knob to highlight the desired selection and press the **ENTER** button.



Listen to a Station

1. Turn the **TUNE**/selection knob to highlight *Pandora* and press the **ENTER** button. A list of Pandora stations is displayed.
2. Turn the **TUNE**/selection knob to highlight the desired station and press the **ENTER** button. The station starts playing.

Rate or Bookmark a Song

While a song is playing, the song can be rated or bookmarked. Perform the following to rate a song or bookmark the song or artist.

1. Press the button labeled **Rate**.
2. Turn the **TUNE**/selection knob to the desired function and press the **ENTER** button.

SIRIUS

NOTE: A subscription to SiriusXM's online service is required.

Choose the *Sirius* option to listen to the online feed from SiriusXM Satellite radio stations. For setup details, refer to section 4.


NOTE: Only one device can use a SiriusXM login account at a time. To run multiple instances of SiriusXM, multiple accounts must be used.

1. Turn the **TUNE**/selection knob to highlight *Sirius* and press the **ENTER** button.
2. Turn the **TUNE**/selection knob to highlight the desired category or channel and press the **ENTER** button.

Librivox Audiobooks

Choose the *Librivox Audiobooks* option to listen to free audiobooks from www.librivox.org.

1. Turn the **TUNE**/selection knob to highlight *Librivox Audiobooks* and press the **ENTER** button.
2. Turn the **TUNE**/selection knob to highlight the desired book file and press the **ENTER** button.

 For more information, refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933).

6 End-User Sheet

After installation is complete, leave sheet 3 of this quickstart with the end user.

7 Problem Solving

Notes on Internet Radio

- Internet radio stations can only support a limited number of listeners at any time. If the station's servers have reached their limit of listeners, the ATC-AUDIONET is not able to connect. To resolve the problem, try to connect again.
- Some radio station servers that have too much traffic may choose to bump people off the stream. If this happens, try to connect to the station again.
- If a station stops broadcasting, it is removed from the list of available stations.
- A station may go offline before it has been removed from the list. Offline stations do not produce a signal.
- Some stations may not appear on the list of stations if they broadcast in a format that is not supported by the ATC-AUDIONET. For a list of supported formats, refer to the ATC-AUDIONET Operations & Installation Guide (Doc. 6933).



Troubleshooting

The following table provides corrective action for possible trouble situations. If further assistance is required, please contact a Crestron® customer service representative.

TROUBLE	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Tuner output is muted.	The card is not installed in the correct slot.	Install the card in the correct slot.
	Mute is turned on.	Press the Mute button to disengage muting.
	Adagio system volume is turned down.	Check Adagio system volume setting.
User cannot access front panel controls.	The contacts on the ATC-AUDIONET are dusty.	Clean contacts with cotton swab or clean cloth. Apply isopropyl alcohol as needed for cleaning.
Tuned station does not produce sound.	Firewall settings prevent reception of streaming audio.	Change firewall port settings or contact network administrator.
Cannot receive SiriusXM Internet Radio content.	Need subscription to stream SiriusXM content.	Verify that subscription to streaming SiriusXM content is current.
	Login is used by another device.	Each device must have its own SiriusXM login.

Further Inquiries

To locate specific information or resolve questions after reviewing this guide, contact Crestron's True Blue Support at 1-888-CRESTRON [1-888-273-7876] or, for assistance within a particular geographic region, refer to the listing of Crestron worldwide offices at www.crestron.com/offices.

To post a question about Crestron products, log onto Crestron's Online Help at www.crestron.com/onlinehelp. First-time users must establish a user account to fully benefit from all available features.

Future Updates

As Crestron improves functions, adds new features, and extends the capabilities of the ATC-AUDIONET, additional information may be made available as manual updates. These updates are solely electronic and serve as intermediary supplements prior to the release of a complete technical documentation revision. Check the Crestron website periodically for manual update availability and its relevance. Updates are identified as an "Addendum" in the Download column.

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

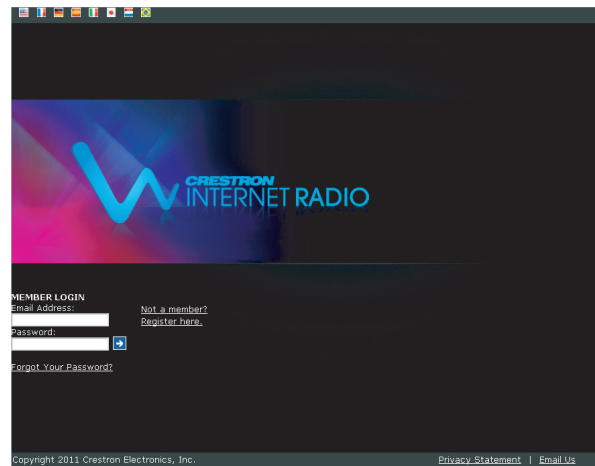
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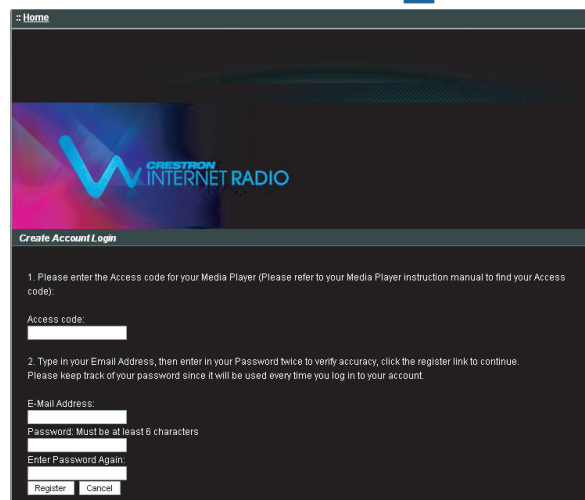
Manage Favorite Stations and Podcasts Online

As an alternative to using the front panel for searching and adding favorite Internet radio stations (not Sirius, Pandora, or Librivox), the Crestron Internet Radio website (radio.crestron.com) can be used to search and preview stations online while providing an interface to manage favorite stations and podcasts.

1. Navigate to radio.crestron.com.



2. To create a new account, click **Register here**. If an account has already been created, enter the e-mail address and password and click to log in (skip to step 4).

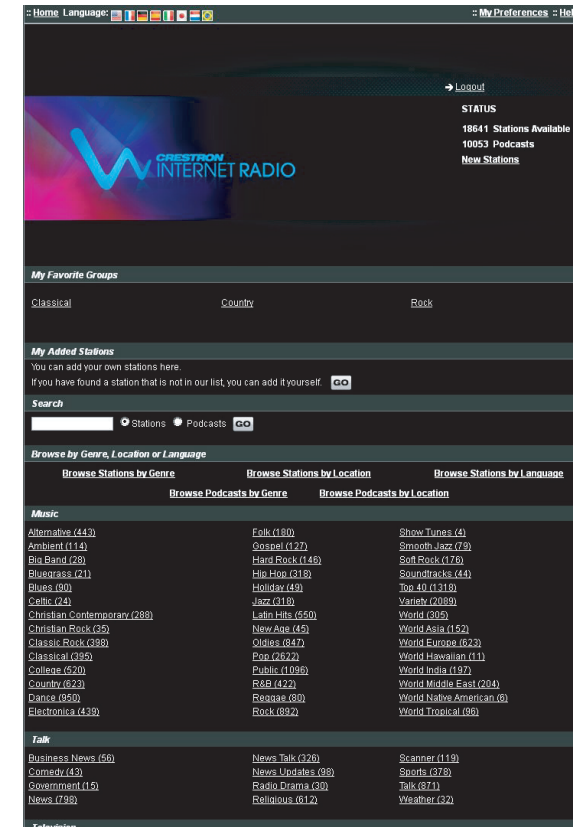


3. Enter the ATC-AUDIONET's access code, an e-mail address, and a password to associate with the account and click **Register**.

NOTE: To find the ATC-AUDIONET's access code, select the ATC-AUDIONET as a source, press the button labeled **Browse**, turn the **TUNE**/selection knob to highlight *Internet Radio*, and press the **ENTER** button. Turn the **TUNE**/selection knob to highlight *Get Access Code*, and press the **ENTER** button.

NOTE: Multiple ATC-AUDIONETs can be registered to one e-mail address. Any changes made to favorites propagates to all ATC-AUDIONET devices registered under the account.

4. Click on a group name in *My Favorite Groups*, a browse method, or a genre to view a list of relevant stations.



5. To listen to a station in the web browser, click . To add the station to the list of favorites, click and follow the instructions for adding the station. If viewing a list of favorites, click to remove the station from the list of favorites.

