

# Digital Music Player for Home Networks



**Turtle Beach**<sup>TM</sup>  
CONNECTED AUDIO<sup>TM</sup>

# AudioTron<sup>TM</sup>

## Setup Guide

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## Software Product ID Number

The software **Product ID Number** can be found on the software CD sleeve. You will need this number when you install the software, if you phone for technical support and to register your AudioTron.

Please copy this number below and keep it in a safe place so you will have it for future reference. (Note: The number may have either three or four digits in the last group):

**Product ID Number** \_\_\_\_\_

# Notices

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## Important Safety Information

Your Turtle Beach™ AudioTron is designed and tested to meet the latest standards for safety of digital music technology equipment. However, to ensure safe use of this product, it is important that the safety instructions marked on the product and in the documentation are followed. Always follow these instructions to help guard against personal injury and damage to your product:

- Read and follow all instructions marked on the product and in the documentation before you operate your system. Retain all safety and operating instructions for future use. Do not use this product near water or a heat source such as a radiator. Set up the system on a stable work surface. The product should be operated only from the type of power source indicated on the rating label.
- Openings in the product case are provided for ventilation. Do not block or cover these openings. Make sure you provide adequate space, at least 6 inches (15 cm), around the system for ventilation when you set up your work area. Never insert objects of any kind into the ventilation openings.
- This product is equipped with a three-conductor power cord to make sure that the product is properly grounded when in use. The plug on this cord fits only into a grounding-type outlet. This is a safety feature. If you are unable to insert the plug into an outlet, contact an electrician to install the appropriate outlet. If you use an extension cord with this product, make sure that the total ampere rating on the products plugged into the extension cord does not exceed the extension cord ampere rating. Do not walk on the power cord or allow anything to rest on it.
- Do not spill anything on the product. The best way to avoid spills is to avoid eating and drinking near the product. To avoid electrical shock, always unplug all cables from product before cleaning the product.
- When the product is turned off, a small amount of electrical current still flows through it. The power cord should be unplugged from the wall outlet when the device is not used for extended periods of time.
- This equipment contains no user serviceable parts. Please refer all servicing to trained, qualified service personnel.
- Unplug the product from the wall outlet and refer servicing to qualified personnel if: (1.) The power cord or plug is damaged. (2.) Liquid has been spilled into the product. (3.) The product does not operate properly when the operating instructions are followed. (4.) The product was dropped or the cabinet is damaged. (5.) The product performance changes.

### Caution

Do not use this product in areas classified as hazardous locations. Such areas include patient care areas of medical and dental facilities, oxygen-laden environments, or industrial facilities.

To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord. Replace fuse only with a 5 x 20mm Slo-Blo® UL/CSA Cartridge Type Fuse matching the original equipment specifications.

## Introducing AudioTron

Your Turtle Beach AudioTron represents a new generation of home entertainment devices—a "*smart stereo component*" that takes full advantage of the power and convenience of home networking, yet fits right in with the rest of your home entertainment system.

AudioTron uses a network connection to play digital music files stored on your PC hard drive and music streamed over the Internet—so you don't have to be in front of your PC to enjoy the benefits of a digital music library and Internet radio. Your PC hard drive can store thousands of songs in digital format, which you can obtain by transferring CDs to the hard drive or by downloading music from the Internet. Internet radio is available from hundreds of different sources, providing a wide variety of content and styles of music.

Storing a digital music library on your PC lets you easily manage your music collection, create custom playlists, create custom CDs, transfer music to a portable digital player, and select songs without having to search through a pile of CDs—effectively transforming your PC into a powerful jukebox. You can enjoy instant playback of any song at any time, from anywhere in your home. Best of all, by installing multiple AudioTrons throughout your home, several users can simultaneously listen to different Internet radio stations or to different songs from the same song library—making your entire music collection and the versatility of the Internet accessible to the entire family.

### A Revolutionary New Way to Experience Your Music!

AudioTron combines the massive storage capacity of PC hard drives, the versatility of a home network and the superb quality of home-theater systems—so you can easily access thousands of songs and enjoy the overwhelming variety of audio content available on the Internet.

#### Create a custom list of Internet radio broadcasts

Use the TurtleRadio web portal to access hundreds of high-quality Internet radio broadcasts. Listen to different stations on each AudioTron connected to your home network.



#### Your entire family can join the digital music revolution

Multiple AudioTrons can be used throughout the home, so several people can simultaneously listen to different songs from the same PC music library.



#### Listen to your PC music library and Internet radio broadcasts on your home theater system

You don't have to sit in front of your PC to enjoy digital music and Internet radio. High resolution CD recording and digital audio outputs provide audiophile-quality music playback.



#### Control AudioTron from either its front panel, its IR remote control or with your PC's web browser

Control AudioTron from your listening room, just like a home stereo component. Or, use a web-browser on any network-connected PC for detailed control of every major function.



#### Convert your CD collection to a PC-based digital music library

AudioStation software (included) lets you transfer CDs to your PC's hard drive to create a centralized digital music library with thousands of songs—each instantly accessible from every AudioTron on your network.

#### Works with Ethernet or HPNA phone line networks

Connects through Ethernet network or a phone line network (HPNA 2.0) with no interruption in regular phone service. Plays digital music stored on any PC accessible on the network.

**Enjoy your digital music library from anywhere in your home**

## Getting Started

This Setup Guide provides the basic steps for setting up your AudioTron. For detailed information on AudioTron features, configuration suggestions, and troubleshooting tips, please refer to the **AudioTron Reference Manual** provided in PDF format on the **AudioTron CD**. After installing the CD, you may view the Reference Manual by selecting **Start → Turtle Beach AudioTron → AudioTron Reference Manual**.

## Package Contents

- Turtle Beach AudioTron
- This Setup Guide
- AC Power cord
- IR remote control with AAA batteries
- RCA-to-RCA stereo audio cable (to connect to your home stereo or powered speakers)
- Telephone cable with RJ-11 connectors (for use with HPNA phone line network)
- Ethernet Category-5 ("Cat-5") cable with RJ-45 connectors (for use with Ethernet network)
- AudioTron CD, which includes the following:

|                                                     |                                                                                                                                                                                                            |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>AudioTron Setup Utility</b>                      | This program is used to properly configure your AudioTron on the network. It also serves as a useful diagnostic tool if you ever experience problems with your system configuration.                       |
| <b>AudioStation®</b>                                | This feature-rich program lets you create and manage your music library, as well as play audio CDs, burn custom CDs from your digital music library files and print labels for your CDs and CD jewel case. |
| <b>Sample Music Files</b>                           | These digital music files are used to test AudioTron and AudioStation playback functions.                                                                                                                  |
| <b>SoundCheck™</b>                                  | An audio diagnostic utility useful for troubleshooting PC audio problems.                                                                                                                                  |
| <b>Demo Programs</b>                                | Demo versions of Voyetra music programs.                                                                                                                                                                   |
| <b>Adobe® Acrobat® Reader</b>                       | A limited version for viewing and printing the PDF manuals.                                                                                                                                                |
| <b>AudioTron and AudioStation Reference Manuals</b> | These PDF manuals describe AudioTron and AudioStation in detail. The manuals may be viewed and printed with the Adobe Acrobat Reader program included on the CD.                                           |
| <b>Product Literature</b>                           | A PDF version of Voyetra Turtle Beach product literature.                                                                                                                                                  |

## AudioTron Options

The following items may be purchased from the Turtle Beach web site ([www.Turtle-Beach.com](http://www.Turtle-Beach.com)):

|                                            |                                                                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>AudioTron Rack Ears</b>                 | Use these to mount AudioTron in a 19" rack system.                                                                       |
| <b>Fiber Optic Cable</b>                   | Connects AudioTron's digital optical output to compatible audio equipment.                                               |
| <b>RCA-to-1/8" Cable</b>                   | Connects AudioTron's RCA outputs to speaker systems with 1/8" line input jacks.                                          |
| <b>Additional AudioTrons</b>               | Listen to digital music everywhere in your home with multiple AudioTron units.                                           |
| <b>Additional AudioTron Remote Control</b> | AudioTron Remote Controls are available for replacing or augmenting the existing remote control included with AudioTron. |

## System Requirements

AudioTron requires the following in order to operate properly:

|                                                                          |                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>One or more networked PCs</b>                                         | <b>Recommended Minimum PC System:</b> Pentium 233MHz processor, 64MB RAM, CD drive with digital audio extraction, 16 bit color video card, Internet connection and web browser. The PC should have sufficient hard disk space for storage of your digital music files. (A four-minute song uses approximately 3 to 5 MB of hard disk space in MP3 or WMA compressed format.) |
| <b>Windows File Sharing</b>                                              | Although AudioTron will work with any network accessible share, Turtle Beach technical support provides support for Windows 98/ ME/ XP Home/ XP Pro/ 2000 Pro.                                                                                                                                                                                                               |
| <b>An HPNA 2.0 or Ethernet 10/100BaseT network running TCP/IP</b>        | AudioTron includes a phone cable for the HPNA connection and a Cat-5 cable for the Ethernet connection. Note that WAV file playback requires an Ethernet connection.                                                                                                                                                                                                         |
| <b>Powered speakers or a stereo system with line level inputs</b>        | AudioTron includes a stereo RCA-to-RCA cable for connecting the analog audio outputs to powered speakers or a stereo receiver. A fiber optic cable for the digital audio output may be purchased at the Turtle Beach web site.                                                                                                                                               |
| <b>An Internet Connection</b>                                            | Internet access is required for the Internet radio feature and to download song titles when converting CDs to the PC hard drive.                                                                                                                                                                                                                                             |
| <b>A PC "jukebox" program to convert your CDs to digital audio files</b> | The AudioTron CD includes the AudioStation jukebox software to perform this function. AudioTron also operates with jukebox programs compatible with music files in the MP3, WMA and WAV formats and ID3 tags in the Version 1.0, 1.1 or 2.3 format.                                                                                                                          |

## AudioTron Accessory Software Applications

The following software applications will be used when operating and setting up AudioTron:

### AudioTron Web Server

AudioTron's web server (run from Internet Explorer, Netscape or other browser used to access Internet Web sites) lets you configure AudioTron's settings and play songs from the music library.

### AudioTron Setup Utility

The Setup Utility (installed from the AudioTron CD) helps you set up AudioTron and troubleshoot problems and network issues. The Setup Utility can also configure directories with the proper shares and names so you can easily move your music files into these directories after setting up your system.

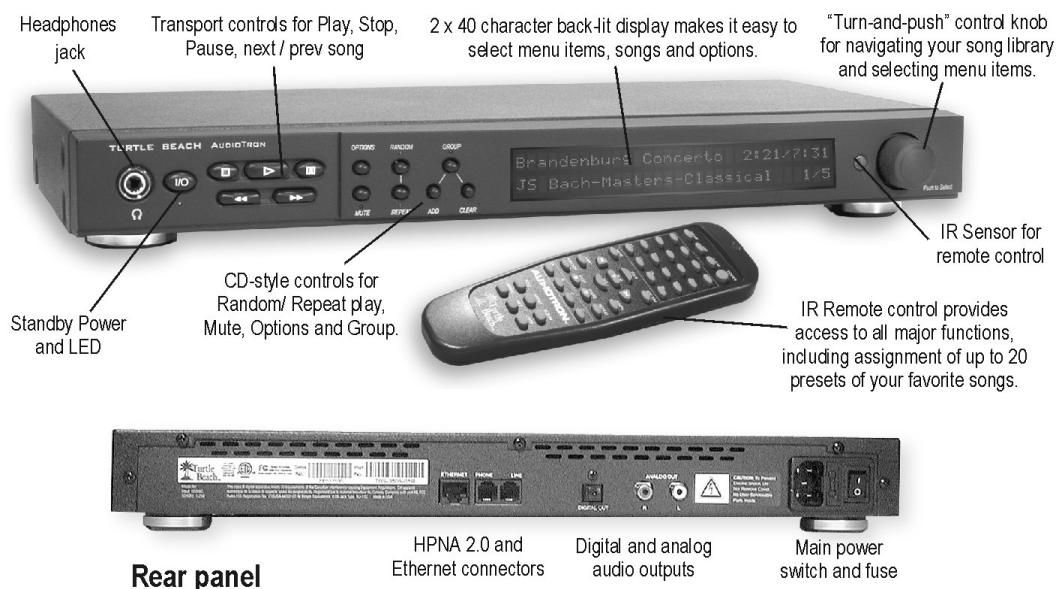
### AudioStation

AudioStation (installed from the AudioTron CD) lets you create and manage your music library, play audio CDs, burn custom CDs and manage TurtleRadio custom station lists. A comprehensive AudioStation reference manual is included on the AudioTron CD in PDF format.

# Controlling AudioTron

## Front Panel, Rear Panel and Remote Control

AudioTron's main controls are illustrated below. For details on the Front Panel, Rear Panel and Remote Control functions, see the **Reference Manual** on the AudioTron CD.



AudioTron front and rear panels with Remote Control

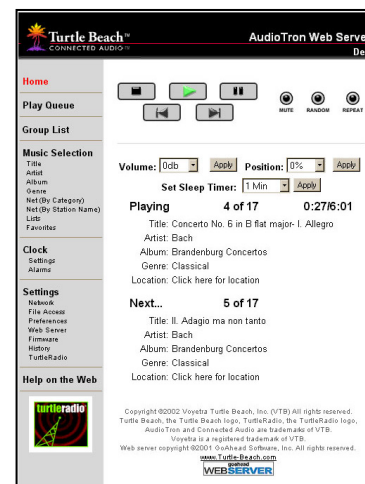
## Web Server

AudioTron's extensive list of features cannot all be controlled from the limited number of buttons on the remote control and front panel. Instead, we've provided an integrated "web server" that can be accessed from your PC's web browser. Once your AudioTron is configured, any PC on your network can be used to access the web server by simply launching your web browser (e.g. Internet Explorer or Netscape) and entering the IP address of your AudioTron, enabling you to communicate with the AudioTron from the PC.

After you've become accustomed to AudioTron's powerful set of features, you'll appreciate the convenience of using the AudioTron web server to control your song library and AudioTron settings. The Reference Manual includes a comprehensive description of all the web server features. This section provides an overview of what it can do.

### Menu Selections

The gray area on the left side of the screen lists all of the web server screens. To access a screen, click the name in the menu list. Clicking on the **Turtle Beach logo** at the top of the screen will access the Turtle Beach web site. Clicking on the **TurtleRadio logo** at the bottom of the left menu will access the TurtleRadio web site. Clicking on the **Help on the Web** menu item will access the relevant help sections at the Turtle Beach web site.



## Playing Songs from the Web Server

The **Home**, **Play Queue** and **Group List** screens work together with the **Music Selection** screens to let you select and play music. Because the web server runs on a PC screen and is therefore not limited by the characters on the front panel display, song selection and playback is more intuitive and versatile. So, it's easier to perform tasks such as assigning songs to the "Favorites" buttons on the remote control.

### Home

This is the web server's main screen, which emulates the controls on the front panel. From here you can set volume, song position, mute, random, and repeat. You can also see what song is currently playing and what song is coming up next in the "Play Queue". The **Sleep Timer** setting on this screen lets you automatically stop the music after a preset time, such as when you're listening to music before falling asleep.

### Play Queue

Click on this menu item to see the list of songs selected for playback. From here you can jump to any song in the queue. Note that the song currently playing will be noted by a "**← Now Playing**" symbol next to the song, which corresponds to the "Playing" song shown on the Home screen. The next song in the list corresponds to the "Next..." song on the Home screen.

### Group List

Click on the **Group List** menu item to see the songs entered into the Group List. Songs are added to the group by pressing the **Add to Group** button at the bottom of the song selection pages, or by pressing the **Add** button on the front panel. The Group List works just like a playlist created with AudioStation or other music management program—except you can create the Group List from the AudioTron front panel or web server. You can play the Group List either by pressing the **Play Group** button at the bottom of the screen, or by selecting the Group List from the Lists menu item, just as you would select any other playlist.

### Music Selection Menu Items

The menu items under the heading "**Music Selection**" correspond to the main menu display options on the AudioTron front panel—Title, Artist, Album, Genre, Net and Lists. These menu items let you select songs from your music library, just as you would from the front panel—but with *much* more control over song selection. For example, click on **Title** to see all of the songs in your library listed by title, or click **Artist** to select songs by Artist name, etc. You can even assign songs to the "Favorites" button on the remote control by clicking on the **Favorites** menu item.

## Using the AudioTron Clock Feature

AudioTron can also be set to display the time and date as well as act as an alarm clock, complete with a "snooze" feature! Click on the Clock **Settings** menu item to set the clock options and click on the **Alarms** menu item to set the alarm functions.



*AudioTron Front Panel Clock Display*

## Editing Configuration Settings

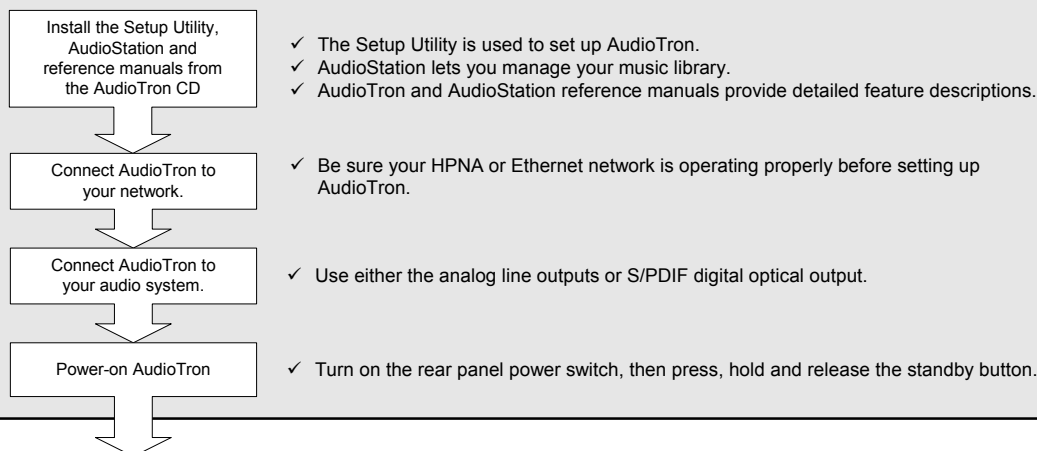
The menu items under the **Settings** heading let you configure the way AudioTron operates, search for songs in your music library, update AudioTron's firmware, search for Internet radio stations and more. Click on each menu item to see the available options and refer to the detailed descriptions in the Web Server section in the Reference Manual.

# AudioTron Setup Procedure Overview

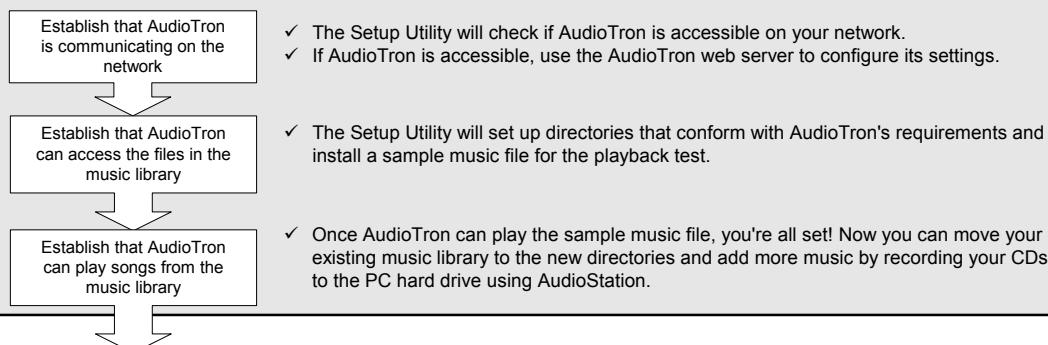
Setting up AudioTron involves three major steps, as outlined below. Refer to the sections in this manual with the corresponding STEP headings for detailed descriptions of each step.

☞ *If you don't have a broadband Internet connection (e.g. DSL or cable modem), you may want to skip Step 3. Internet radio may not function adequately on a dial-up modem connection.*

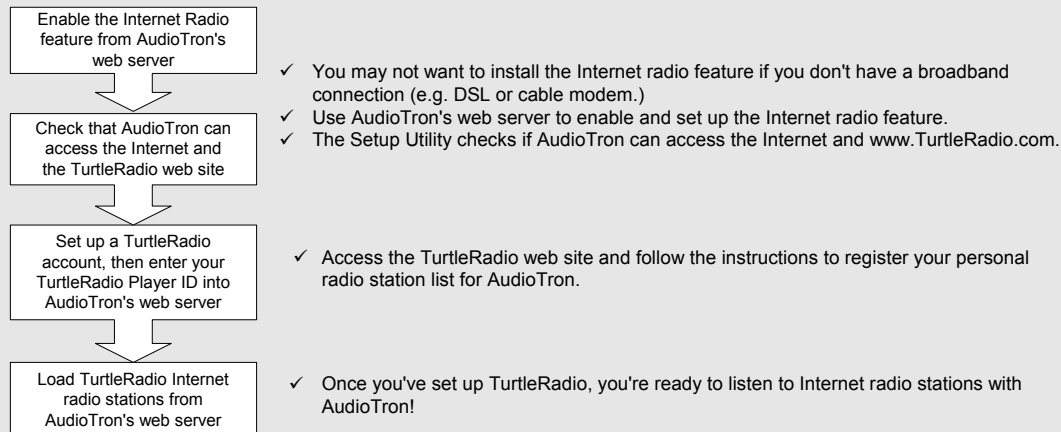
## **STEP 1: Install the CD and connect AudioTron**



## **STEP 2: Configure AudioTron with the Setup Utility**



## **STEP 3 (optional): Configure AudioTron's Internet radio feature**



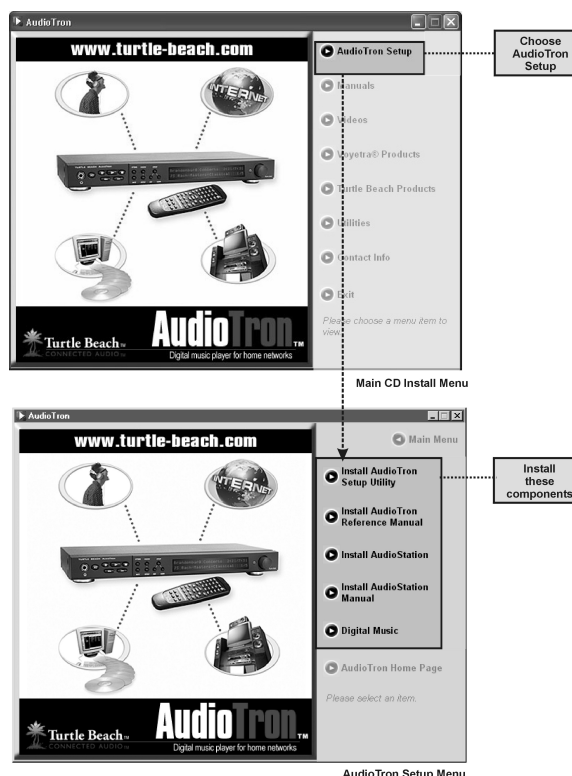
# Step 1: Installing the CD and Connecting AudioTron

## Installing the AudioTron CD

1. Place the AudioTron CD in your PC's CD ROM tray. If the AudioTron Installation program doesn't run automatically, click Start → Run, then click on the Browse button and select the CD-ROM drive letter. Double-click on Setup.exe. Then click on OK to start the installation program. The opening screen with the CD install main menu will appear, as shown.
2. Click on **AudioTron Setup** to activate the **AudioTron Setup Menu**. From the Setup Menu, install the **AudioTron Setup Utility**, **AudioTron Reference Manual**, **AudioStation**, **AudioStation Reference Manual**, and **Digital Music**.
3. When you run AudioStation for the first time, you'll be asked for the Product ID number. This is located on the label attached to the CD envelope.



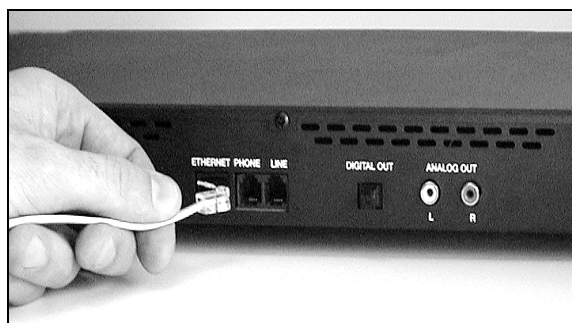
*If we update AudioTron's firmware or the AudioStation software, we won't be able to let you know if we don't know who you are! So when you install the AudioTron CD, please be sure to take a minute to register. You can also return to the on-line registration form later on by accessing **Help menu → Register** in AudioStation.*



## Connecting AudioTron to the Network

AudioTron includes both HPNA and Ethernet network connections. You need only connect one or the other, depending on the type of network you're using. This installation procedure assumes you have already installed your network and it is functioning properly.

For instructions on how to install and check your network, refer to the documentation included with your network hardware. The AudioTron Reference Manual on the CD also includes information on AudioTron network configurations.



Connect AudioTron to HPNA or Ethernet on the rear panel using the included cables.

### To connect AudioTron to an HPNA network...

1. Insert the phone cable (included with AudioTron) into the LINE connector on the rear panel.
2. Insert the other end of the cable into your HPNA phone jack.
3. If you had a phone connected to the phone jack, you can insert the phone line into the connector labeled PHONE.

### To connect AudioTron to an Ethernet network...

1. Insert the Cat-5 Ethernet RJ-45 cable (included with your AudioTron) into the connector labeled ETHERNET on the AudioTron rear panel.
2. Insert the other end of the cable into your Ethernet hub, which in turn connects to a network interface card in your PC.



*When connecting the cable make sure it “clicks” when inserted.*

## Connecting AudioTron’s Audio Outputs

AudioTron includes both analog and digital audio (S/PDIF) outputs. You need only connect one or the other, depending on the type of audio equipment you’re using.

### Analog Audio Outputs

AudioTron’s analog Left/Right outputs are compatible with most stereo receivers and powered speaker systems. The front panel headphone jack is compatible with most 8 ohm – 32 ohm headphones. Note that when headphones are plugged in, the rear panel analog audio is muted.

#### To Connect the analog outputs...

1. Use the stereo “RCA to RCA” audio cable included with AudioTron to connect the AudioTron RCA jacks to the line input jacks on your stereo receiver (which may be labeled AUX, CD or LINE IN.)
2. If you’re connecting AudioTron to powered speakers with an 1/8” input jack, you’ll need a 1/8” to RCA adapter cable, available at [www.Turtle-Beach.com](http://www.Turtle-Beach.com).



*Use the included RCA-to-RCA cable to connect the Analog outputs*

### Digital Audio Output

The optical digital output connection (requires a fiber optic cable available at [www.Turtle-Beach.com](http://www.Turtle-Beach.com)) provides a digital signal compatible with high-end stereo receivers and home theater systems. This output operates differently than the analog audio outputs in the following ways:

- The digital output supports a fixed number of sample rates that adhere to the S/PDIF standard. Thus, music files that are formatted in non-S/PDIF sample rates will not play out of the digital output. For a list of supported sample rates, see the **Reference Manual**.
- The volume control will not affect the digital output.
- On most audio systems, the digital output may have a higher volume than the analog output.



*Connecting the digital output requires an optional fiber optic cable.*

#### To connect the digital output...

1. Remove the plastic cover from the DIGITAL OUT connector on the AudioTron rear panel.
2. Connect one end of the optional fiber optic cable (not included with AudioTron) to the stereo component’s Digital Input and the other end to the Digital Out on the AudioTron back panel.

## Turning on AudioTron's Power

AudioTron has two power switches: The **rear panel power switch** turns on the main AC power to the unit. The **front panel Standby button** places AudioTron in a “sleep” state whereby the main power is still on, but the unit is in a “partial shutdown” mode that retains its temporary settings.

### To Power-on AudioTron...

1. Insert the AC cable into AudioTron's rear panel AC receptacle. Plug the other end of the cable into an AC outlet.
2. Turn on the rear panel AC switch. Wait a few seconds, then press the front panel Standby button.
3. If AudioTron is properly connected to the network, it will search the network for PC hosts with song files. After finding the PC hosts, it scans for songs and catalogs the song names in its internal memory so they can be quickly accessed.
4. Once AudioTron is powered on, it should be turned on and off with the Standby button. This bypasses the network search process initiated by turning on the rear panel power switch.



*If you will not be using AudioTron for an extended period of time, the AC power switch on the rear panel should be turned off.*

One or more of the following messages may appear while AudioTron is powering on:

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Version x.x – Enet DHCP</b>                           | Indicates the firmware version number and the type of network connection detected. For details on how to upgrade the firmware version, see the Reference Manual Appendix called “ <b>Updating AudioTron's Firmware</b> ”.<br><br>If you connected an Ethernet cable and AudioTron's display indicates HPNA, check the network cable connection to AudioTron and check the network for proper operation. |
| <b>Connecting to TurtleRadio</b>                         | Indicates that AudioTron is searching for an Internet connection to download radio station URL locations from the TurtleRadio web site. The internet radio feature is disabled by default and may be enabled from the AudioTron web server “ <b>TurtleRadio</b> ” page.                                                                                                                                 |
| <b>Searching for Hosts – xx% Complete</b>                | Indicates that AudioTron has found the network connection and is searching for PCs on the network.                                                                                                                                                                                                                                                                                                      |
| <b>Searching host x of x</b>                             | Indicates the number of PCs detected on the network.                                                                                                                                                                                                                                                                                                                                                    |
| <b>Searching for Music Found xxxx Songs xxx Stations</b> | Indicates the number of songs and Internet Radio Stations found on the PCs in the network. After the song search is completed, the main menu is displayed and AudioTron is ready to play music.                                                                                                                                                                                                         |
| <b>Waiting for network: xx secs</b>                      | (DHCP Mode Only) Indicates that AudioTron is trying to connect to the network. If a network connection can't be established after 120 seconds, AudioTron stops searching and displays “No Hosts Found” followed by “No Song Titles Found”. Use the Setup Utility to help troubleshoot this problem.                                                                                                     |
| <b>No Song Titles Found</b>                              | Indicates that no songs were found on the host, or that no host was found. Use the Setup Utility to help troubleshoot this problem, or check for the proper directory names and shares, as described in the Reference Manual.                                                                                                                                                                           |
| <b>No Hosts Found</b>                                    | Indicates that no PCs were found on the network. Reconnect the network cable into AudioTron's rear panel to make sure it “clicks” when inserted, or try another network cable. Use the Setup Utility to help troubleshoot this problem.                                                                                                                                                                 |

### “Re-setting” AudioTron

AudioTron may be “reset” by turning the rear panel power switch off and on, waiting a few seconds, then pressing the Standby button. This would be necessary, for example, if AudioTron is behaving erratically, or if you have loaded new firmware (see the **AudioTron Reference Manual**). Note that this may also reset some of AudioTron's configuration settings to their default values.

## Step 2: Configuring AudioTron with the Setup Utility

After installing the CD and setting up AudioTron's audio and network connections, the next step is to use the **AudioTron Setup Utility** (installed from the AudioTron CD in Step 1) to check AudioTron's network connections and set up your music directories. The AudioTron web server, accessed from your PC's web browser, will also be used to configure AudioTron. For a detailed description of the web server features, see the **AudioTron Reference Manual** on the CD.

### Before proceeding, check the following...

1. You should have either an HPNA 2.0 or Ethernet 10/100 network installed and running properly.
2. AudioTron should be connected to the network and to your audio system. Both AudioTron and your audio system should be powered on.
3. You should have installed the AudioTron CD on a PC connected to the network, per the instructions in the previous section.
4. The PC used in this setup procedure should be set to use **"File and Printer Sharing"** per the information in the Windows documentation for the version of Windows running on the PC. The Setup Utility will notify you if it detects that File and Printer Sharing is not set.
5. Disable any virus protection, firewall, Internet "ad-blocking" or "cookie blocking" software running on the PC. These programs may interfere with the normal operation of the Setup Utility.

### Run the AudioTron Setup Utility

Run the Setup Utility by clicking **Start → Programs → Turtle Beach AudioTron → AudioTron Setup Utility**. The **"Welcome"** screen will appear, as shown.

Press **Next** and the Setup Utility will check your PC's network adapter. If the test passes, the Setup Utility **Main Menu** screen will appear.

Press **Next** to start the test called **"Check AudioTron Network Connection"**.



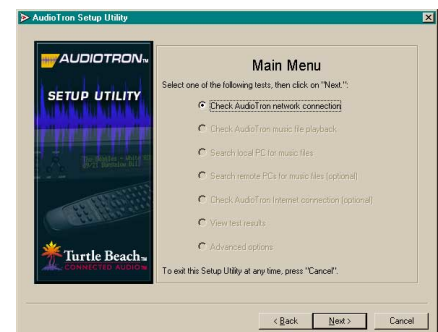
*If a network adapter error occurs, the "Adapter Error" screen will appear. In the device list, highlight the network adapter used to connect AudioTron (e.g. if you're using an Ethernet network, it will be listed as an Ethernet Adapter) then press "Next" and follow the on-screen instructions for advice on how to correct the problem.*

### Searching for AudioTrons on the network

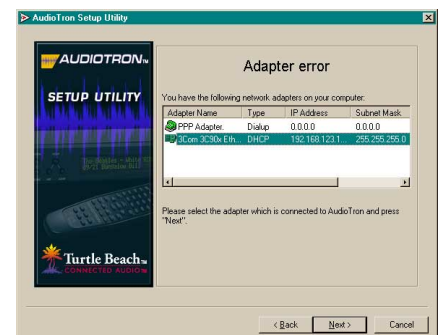
In the **Check AudioTron Network Connection** screen, select the number of AudioTrons on your network and press **Next**. The Setup Utility will scan each node on the network to see if it can detect an AudioTron. The test will stop after it detects the number of AudioTrons listed, or after all network nodes have been checked.



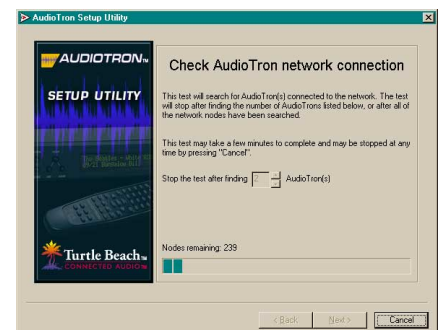
Setup Utility Welcome Screen



Main Menu Screen



Adapter Error screen



Check AudioTron network connection screen

## Search Results

After scanning the network, the **Search Result** screen will show the number of AudioTrons detected. If the number is the same as the number of AudioTrons on your network, check **Yes**. Then press **Next** to enter the **Search Results List** screen, which shows the network information and firmware version for each AudioTron detected.



*If the number of AudioTrons shown is less than the number you've connected, first press the **Back** button to check if the number you entered in the **Check AudioTron network connection** screen is correct. If that's not the problem, check each AudioTron to make sure the power is turned on and that they're properly connected to the network. If neither of these corrects the problem, check **No** in the **Search Results** screen and follow the screen instructions.*

## Set AudioTron Location Name

Click "**Next**" on the "**Search Results List**" screen to enter the "**Location Name**" screen. From here, follow the screen directions to assign a name to each AudioTron. This name will be displayed on the home screen of the AudioTron web server.

## Create an AudioTron Web Server Shortcut

Click **Next** to enter the **Launch Web Server** screen.

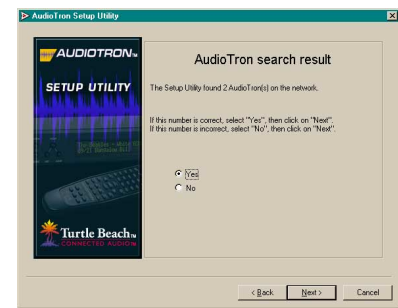
Click on **Create desktop shortcut** to place an icon on your desktop that can easily launch the AudioTron web server. If you have more than one AudioTron, a menu will let you select an icon for each one.

## Launch AudioTron's web server

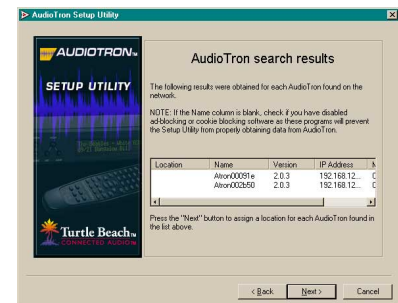
Click on the "**Launch AudioTron web server**" button to launch the AudioTron web server. The web server runs from the same browser used to access Internet web sites (e.g. Internet Explorer, Netscape, etc.). When the web browser asks for a password, enter the default password "**admin**" into both boxes.

The AudioTron web server makes it easy to configure AudioTron's options settings, as well as search for and play songs from your PC. It also provides links to access the **TurtleRadio** web site and the **AudioTron Knowledge Base** at the Turtle Beach web site. For complete details on the web server, see the **AudioTron Reference Manual**.

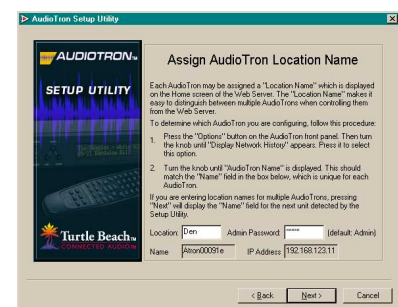
Now that you know how to launch the web server, let's return to the setup process. After AudioTron is set-up, you can return to the web server and explore the features.



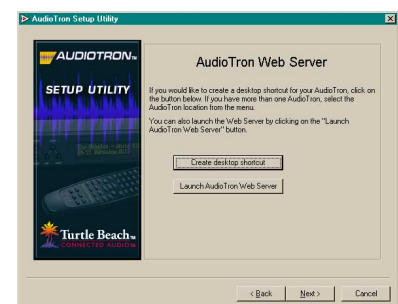
Search Result screen



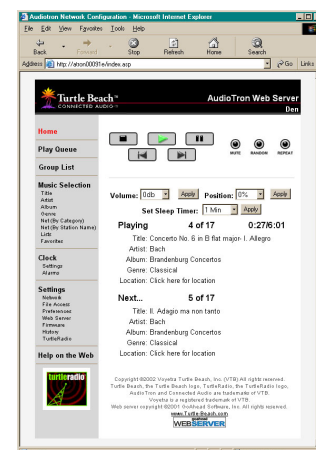
Search Results List screen



Location Name screen



Launch Web Server screen



Web server Home screen

## Check AudioTron Playback

Click **Next** to enter the **Main Menu**. Click **Next** again to run the **Check AudioTron music file playback** test, which creates a shared directory called **\\AudioTron\\My Music** and copies a music demo file from the AudioTron CD to this directory.

➡ *AudioTron has special requirements for music directories, which are explained in the Reference Manual. This test configures the directories to conform with these requirements.*

## Check for demo music file

Press the **Options** button on the AudioTron front panel to activate the **Check for new music** option. Press the knob, which causes AudioTron to search the network for the music file installed by the Setup Utility.

## Play demo music file

Press the **Options** button again to return to the main menu on the AudioTron display. Press the front panel **Play** button twice and you should hear music play.

## Playback Test Results

Now that we've checked music playback on AudioTron, return to the Setup Utility **Playback Test Results** screen and check one of the following options:

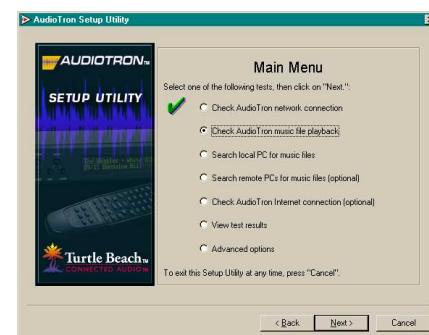
- **The files are playing and I can hear them:** Check this if you heard music play.
- **The files appear to be playing but I cannot hear them:** Check this if AudioTron's front panel indicates playback activity, but you can't hear music. This could mean that your audio system is not set up properly. If you can't correct the problem, check the section "**Audio Troubleshooting Tips**" in the Reference Manual.
- **Nothing is playing:** Check this if AudioTron's front panel shows no playback activity. This indicates there is no communication between the PC and AudioTron. This could be caused by a network error that is preventing AudioTron from communicating with the PC.

## Remove or keep the new directories

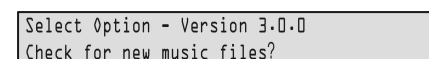
Press **Next** to enter the **Playback Test Completed** screen, where you can choose to either remove or retain the **\\AudioTron\\My Music** directory created in the previous test.

If you do not already have a music library, check "**Leave the demo file and shared folder**" so you can copy your new music to this folder as you record your CDs with AudioStation.

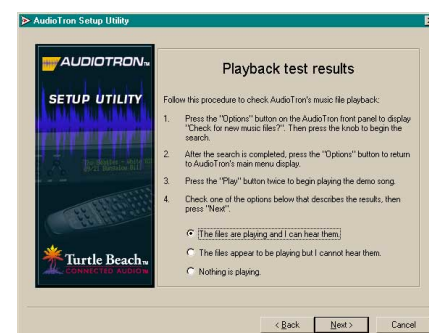
If you already have a music library on your PC, you can either copy the library to this new directory, or delete the directory and have the Setup Utility set up the share properties of your existing directory to conform with AudioTron's requirements.



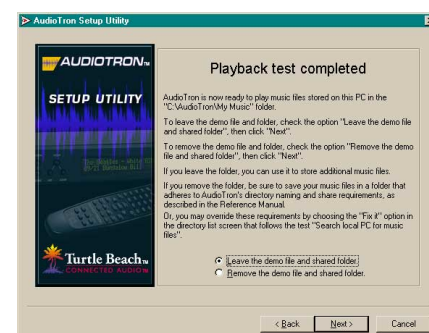
Main Menu screen



Front panel **Check for New Music** display



Playback Test Results screen



Playback Test Completed screen

## Search local PC for music files

Now it's time to search for music files on your "local" PC (i.e. the PC running the Setup Utility). Click **Next** to return to the **Main Menu** screen. Click **Check Local PC for Music Files**, then click **Next** until the **Search Local PC** screen appears, as shown.

Click the **Settings** button to set the **File Search Options**. Then click **Next** to begin the song file search.

➡ To search other PCs on your network for music files, use the main menu test called **Search remote PCs for music files**, described in the next section.

## File Search Results

After the search is completed, the **Local PC Search Results** screen will list the directories with icons to indicate their status. A "Play" icon is placed next to directories with music files, playlist files or firmware update files accessible to AudioTron. In the illustration, the directory **My Music** contains files accessible to AudioTron. The other directories are inaccessible to AudioTron.

➡ Only music files in directories marked with a play icon can be played by AudioTron.

## Viewing the Directory Contents

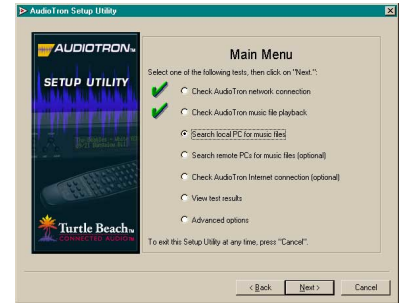
Highlighting a directory in the Search Results screen shows its status at the top of the box. In this example, the status message shows that the contents of directory **My Music** are accessible to AudioTron.

- **"Legend" button:** Click this button to see a list of the icons used to mark the directory test results.
- **"Fix it" Button:** If you have music in a folder not marked with a play icon, clicking this button will make the folder accessible to AudioTron by placing a special "tag" file in the folder. After running this "Fix-it" feature, re-scan for music files by pressing the Options button on the AudioTron display to activate "Check for New Music".
- **"Show Files" button:** Click this button to display the files in the highlighted directory, as shown in the "Directory Contents" screen illustration.
- **Nested Shares:** If music directories are shared multiple times, AudioTron will list the music in those directories twice. If a dialog box indicates this situation, click on **OK** to correct this condition.

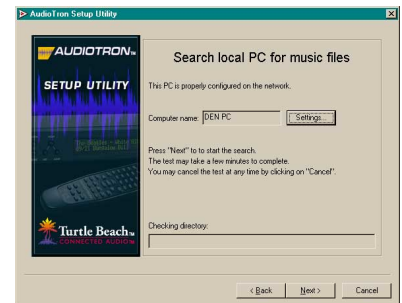
## AudioTron is now ready to play your music library!

At this point, AudioTron is ready to access music files from PCs on your network.

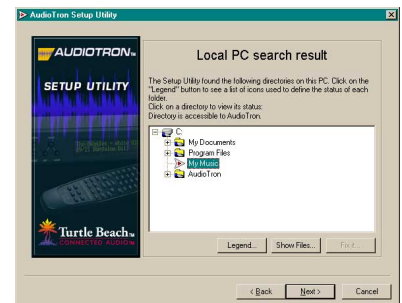
➡ If you do not want to set up the Internet Radio feature, you can skip Step 3 and move on to the section called "Listening to Your Music Library".



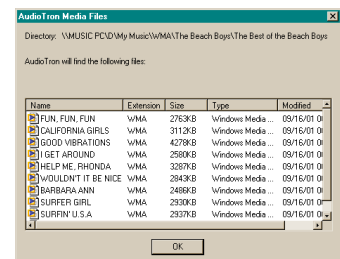
Main Menu screen



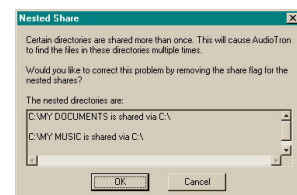
Search Local PC screen



Local PC Search Results screen



Directory Contents screen



Nested Shares screen

## Setup Utility Advanced Options

### Check a remote PC for music files

If you have other networked PCs with music files you'd like to add to the music library, run the option **Search remote PC for music files** from the **Main Menu** screen. This search is identical to **Search local PC for music files**, except it can be run on any PC connected to the network.

Highlight the remote PC you'd like to search by clicking on the PC name in the **Select a Remote PC** directory tree, then click **Next** to begin the search.

Note that some network configurations may require you to run the Setup Utility on the remote PC in order to use the "Fix it" feature described in the **Search Results** screen earlier in this section.



*If you have a large network with many files, this test can take several minutes to run.*

Just as with the **Search local PC for music files** option, after this search is completed, you must load the music file locations into AudioTron's internal database by pressing the **Options** button on the front panel, then pressing the knob to activate **Search for new music**.

### Viewing the Setup Utility Test Results

If you'd like to see the Setup Utility test results, click on **View Test Results** on the Main Menu, then click **Next** to display the **View Test Results** screen. Press the **Test Details** button to view the test results for the **Network Adapters**, **AudioTron**, **Local PC**, **Remote PC** and **Internet Connection**.



*Note that the Internet Connection selection will show the network settings for your network gateway and DNS server, which may be required during the setup of your network Internet connection.*

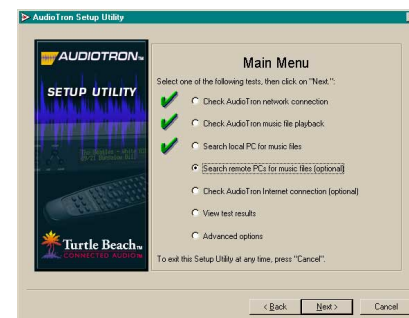
### Running Advanced Options

The **Advanced Options** screen is accessed by selecting **Advanced Options** on the Setup main menu screen, then pressing **Next**.

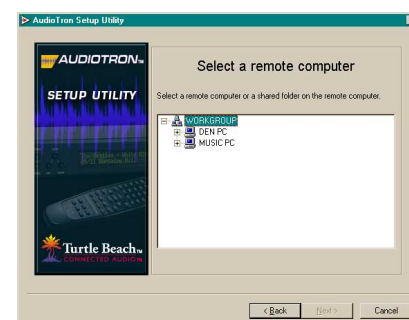
The option labeled **Remove Log Files and History** will delete the Setup Utility data after you press **Finish**. Deleting this data lets you run the Setup Utility as if it were run for the first time on a new setup.

The option labeled **Remove Index Files from Local Computer** will remove the special files inserted in the music directories to override the AudioTron directory restrictions.

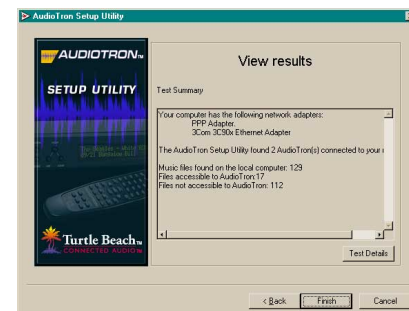
The **Launch AudioTron Web Server** and **Create Desktop Shortcut** buttons are identical to the buttons described in the **Launch Web Server** screen earlier in this section.



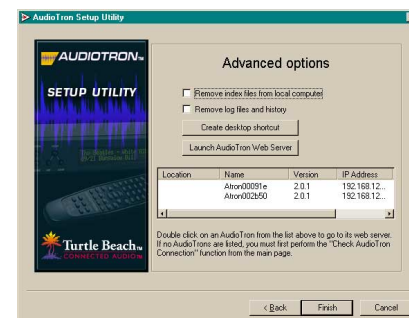
Main Menu screen



Select a Remote PC screen



View Test Results screen



Advanced Options screen

## Step 3: Configuring AudioTron to Play Internet Radio

➡ *We recommended that you use the Internet radio feature with a broadband Internet connection, such as DSL or a cable modem. Although Internet radio will work with a standard phone line modem connection (i.e. a “dial up” connection), this type of connection is not adequate for providing a consistent and reliable stream of data for Internet streaming audio.*

AudioTron’s Internet radio function is turned off by default and must be enabled from the web server **Settings → TurtleRadio** menu item, as described in this section. Once activated, Internet radio stations can be accessed from the **Net** main menu item on the front panel display, or the **Net (by Category)** and **Net (by Station Name)** menu items in the web server. Internet radio stations are provided by the **TurtleRadio** web site ([www.TurtleRadio.com](http://www.TurtleRadio.com).)

### TurtleRadio Web Site

Rather than burden you with having to search for Internet radio stations compatible with AudioTron, we at Turtle Beach have created the **TurtleRadio web site** (located at [www.TurtleRadio.com](http://www.TurtleRadio.com)) which lists a wide variety of Internet broadcasts compatible with AudioTron. You can also add stations that are not listed at the TurtleRadio site by using AudioStation. This section explains the process of setting up AudioTron to play Internet radio stations, which involves these key steps:

1. Enable the Internet radio feature from the **Settings → TurtleRadio** web server screen.
2. Test if AudioTron can play audio from the TurtleRadio site by activating the sample broadcast from the **Music Selection → Net (by Category)** web server screen.
3. Register at the TurtleRadio web site to receive a TurtleRadio Player ID for your AudioTron, which you then enter into the **Settings → TurtleRadio** web server screen.
4. Set up your station list at the TurtleRadio site and scan your stations into AudioTron’s music database by using “**Check for new stations**” in the **Settings → TurtleRadio** web server screen.
5. Play the stations from the **Net (by Category)** or **Net (by Station Name)** web server screens, or from the front panel display’s “**Net**” menu item.



TurtleRadio Web Site Home page

## About Internet Radio Broadcasts

Internet radio stations use a technology called “streaming audio” to broadcast over the Internet. Unlike the files in your PC music library, the streaming audio from an Internet radio station travels through your Internet connection to AudioTron in sequential pieces that are stored temporarily by AudioTron in a memory “buffer”. As the buffered part of the streaming file is played by AudioTron, another part is loaded right behind it—so it’s ready to play after the preceding part is erased. Thus, the entire streaming audio file from the Internet station never fully resides on your PC or in AudioTron.

Buffering the audio stream lets AudioTron ignore most Internet interruptions that may delay the file transfer from the station, in much the same way your car CD player can handle going over a bump in the road. However, if interruptions of the streaming audio exceed the buffer size, it could create a break in playback and result in “stuttering” or erratic playback of Internet radio stations.

➡ *AudioTron can play Internet radio stations that broadcast in streaming MP3 format (e.g. **SHOUTcast**, **IceCast** and **Nanocaster**) and **Windows Media Format**. For more information about Icecast visit [www.Icecast.org](http://www.Icecast.org). For more information about SHOUTcast visit [www.SHOUTcast.com](http://www.SHOUTcast.com). For more information on Windows Media Format, visit [www.windowsmedia.com](http://www.windowsmedia.com).*

## Connection Speeds and Internet Radio Quality

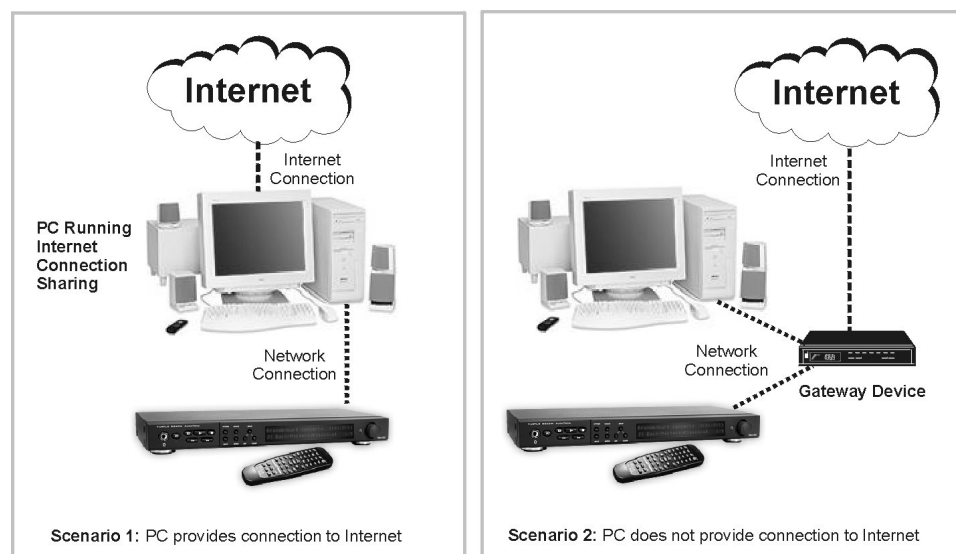
The speed at which an Internet radio station sends streaming data over the Internet is measured in “kilobits” per second, or simply “k”. For example, an Internet radio station streaming data at 56k means it is sending an average of 56,000 bits per second to AudioTron’s buffer. High quality stations use high bitrates that can approach CD fidelity, which require a broadband Internet connection such as DSL or a cable modem. Lower quality stations, which transmit at bitrates less than 33k, can be received on low-bandwidth dial-up Internet connections but do not have the same fidelity as the higher bitrate stations.

For instance, a 56k dial-up modem (which typically provides a bitrate of 33k) is capable of supporting Internet radio streams of 33k or lower. However, this bitrate capability will vary based on the quality of the modem phone line connection and the server streaming the Internet radio station. In addition, the Internet connection will not be able to sustain additional data required by another use of the Internet, such as web browsing while listening to Internet radio. For this reason, it is not advisable to use a dial-up modem connection for listening to Internet radio broadcasts.

After you’ve created an account at the TurtleRadio web site, you can set your custom preferences to receive only streams with a bitrate appropriate for your Internet connection.

## Accessing the Internet on a Network

When more than one PC has access to the Internet on a network, most likely, the Internet connection will either be distributed through a gateway/hub device or one of the PCs on your network will ‘share’ its Internet connection on the network. Two possible configuration scenarios are illustrated below:



### AudioTron Internet connection scenarios

In **Scenario 1**, a PC with a dial-up, DSL or cable modem connection is used to access the Internet. In order to allow other PCs and AudioTrons on the network to access this connection, the PC must be configured for “Internet Connection Sharing”. Although this is beyond the scope of this manual, you can get information on how to do this by looking in a good book that describes Windows configuration settings, or referring to Windows Help.

In **Scenario 2**, a dedicated hub or router connected to a dial up, DSL or cable modem provides Internet access to the PCs and AudioTrons on the network. For configuration information, see the setup guide included with the router/hub.



*In either scenario, if a PC can’t access the Internet from the network connection, neither will AudioTron. So, you must first make sure that Internet access is properly set up on your network before proceeding with the AudioTron Internet radio installation.*

## Using the Setup Utility and Web Server to configure Internet Radio

After you've checked that your network is configured for Internet access, use the Setup Utility to set up AudioTron's Internet radio feature as follows:

### Check AudioTron's network Internet Connection

From the Setup Utility Main Menu, click the **Check AudioTron Internet Connection** option, then click **Next**.

In this test, the Setup Utility will attempt to access an Internet Connection from the network. If it can't, it will attempt to access an Internet connection from the local PC.

Based on these tests, it will diagnose the Internet access configuration and suggest if any changes are required for AudioTron Internet access.

### Evaluate the test results

After the tests are completed, the **Internet Connection Test Results** screen will show the test results.

- If there are green "checks" next to all of the tests (as shown in the sample screen) press **Next**.
- If an "X" is displayed in any of the tests, examine the list at the bottom to see what part of the test failed.

Note that the first row in the list shows the test results for the device providing Internet access to the network. The other rows show the test results for the AudioTron(s) found on the network.

If any problems are listed, see the Reference Manual for troubleshooting tips.

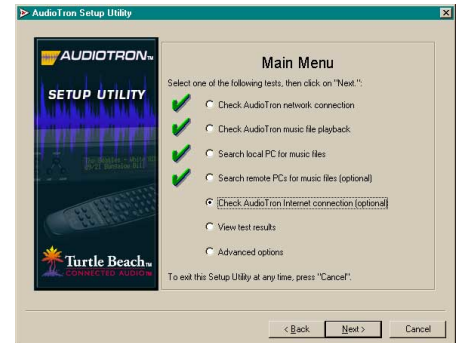
### Activate AudioTron's Internet radio feature

AudioTron's Internet radio feature is turned off by default from the factory. To enable this feature, activate the AudioTron web server by double-clicking the desktop icon created in the previous section ("Configuring AudioTron with the Setup Utility") or by typing in the IP address of the AudioTron into your web browser.

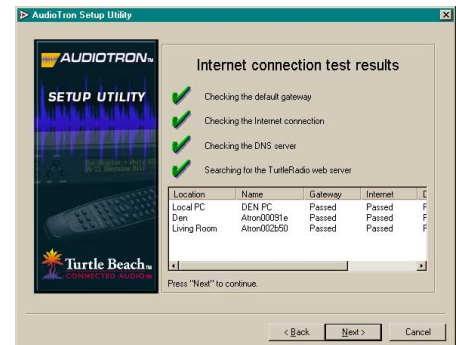
On the AudioTron web server screen, click on **TurtleRadio** under the **Settings** category of the left menu to activate the **TurtleRadio Settings** screen.

Select the check box to enable **Internet Radio** and click **Save TurtleRadio Settings**.

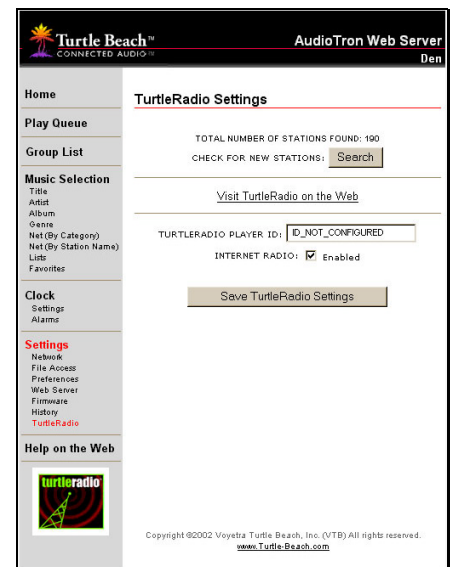
Click the Search button next to "Check for new stations".



Main Menu screen



Internet Connection Test Results screen



Web server TurtleRadio Settings screen



## Enter your TurtleRadio Player ID

From the AudioTron web server, click on the **TurtleRadio** menu item under the **Settings** section to activate the **TurtleRadio Settings** screen.

Enter the **TurtleRadio Player ID** you received when you registered at the TurtleRadio web site. Then click **Save TurtleRadio Settings** to load the TurtleRadio Player ID into AudioTron.

Click on the **Search** button to load the station list from the TurtleRadio web site into AudioTron's database, enabling you to access those stations from the AudioTron web server and front panel display.

After the station search is completed, you should see the number of radio stations listed at the top. Repeat this procedure any time you change your station list at the TurtleRadio site, so the changes will be loaded into AudioTron.

If no stations were found, check the previous steps to make sure the AudioTron Internet radio feature has been properly configured and that no errors were found on the Internet Connection test.



*You can check AudioTron's Internet connection by clicking the "Check Internet Connectivity" button on the web server **Network Settings** page.*

## Play your TurtleRadio stations

Once the web server downloads the stations from the TurtleRadio web site, you can select them by category or by station name by clicking on the **Net (by Category)** and **Net (by Station Name)** menu items.

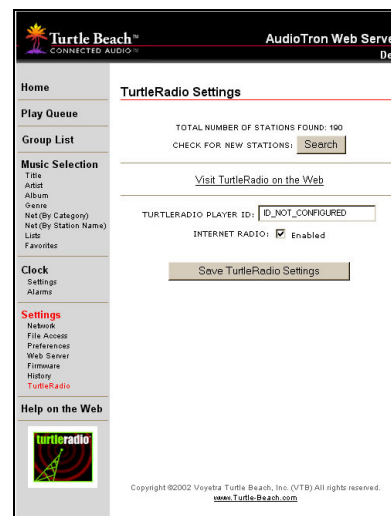
To load a list of stations from a category, from the **Net (by Category)** screen, click **Play** next to the category name. The stations for that category can then be selected from the **Net (by Stations)** screen.

To play a station, from the **Net (by Stations)** screen, click on **Play** next to the station name.

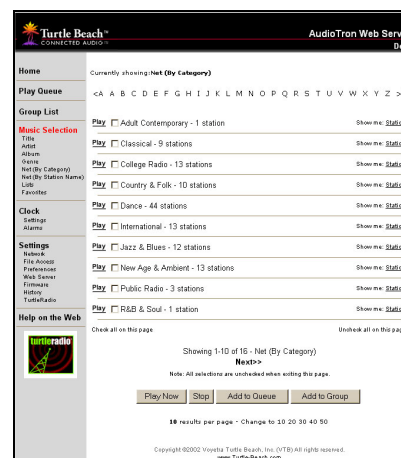
To play Internet radio stations from the AudioTron front panel, turn the knob to highlight the **Net** menu item, then press and turn the knob to see the list of station categories. Press again to load the station list from the displayed category. Turn and press the knob to play a station from the list, just as you would play songs in your music library.



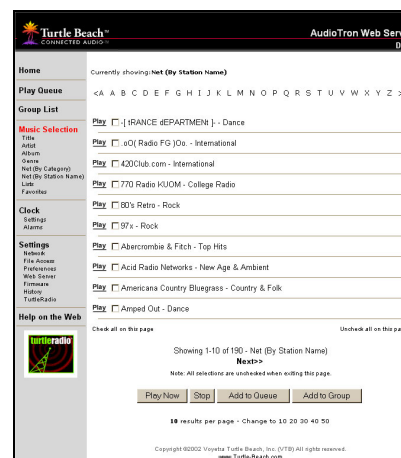
*Remember to use the web server "Check Stations" feature each time you add or change stations at TurtleRadio so AudioTron will load the station changes into its internal database.*



AudioTron web server **TurtleRadio Settings** screen.



Web server **Net (by Category)** screen with station categories listed



Web server **Net (by Station Name)** screen with Internet radio stations listed

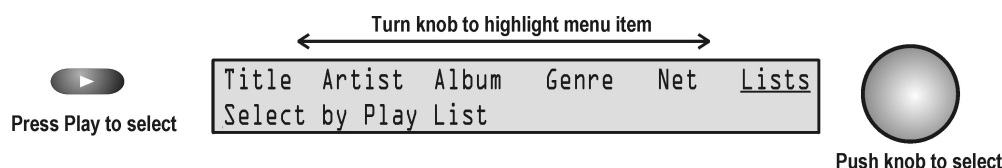
| Title                    | Artist | Album | Genre | Net | Lists |
|--------------------------|--------|-------|-------|-----|-------|
| Select by Internet Radio |        |       |       |     |       |

AudioTron front panel display **Net** menu item lets you select Internet Radio stations

# Listening to your Music Library

## Main Menu Display

AudioTron's **Main Menu** display (shown below) lets you find songs by **Title** (individual song titles), **Artist** (creator of the song), **Album** (the name of the CD the song came from), **Genre** (type of music), and **Lists** (User-defined Playlists). The **Net** menu item lets you select Internet radio stations if AudioTron is configured for Internet radio via the web server **Settings** → **TurtleRadio** page. The stations in the **Net** category are configured at the **TurtleRadio** web site, as described in the section "Configuring AudioTron to play Internet Radio."

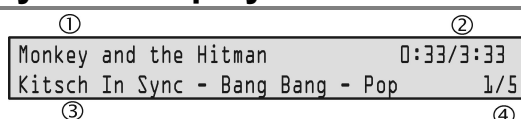


The categories Title, Artist, Album and Genre are part of the "song tag" created by AudioStation or other PC jukebox program used to transfer the song from a CD to the hard drive. When an entry from these categories is selected, AudioTron searches the music library for a song that matches the tag. If a song was entered without tag data, its file name (rather than song title) will be displayed when the Title category is selected and the file name will not appear when Artist, Album, or Genre are selected. For more information on Song Tags, see the section called "Managing your Music Library with AudioStation".

### To select a category...

1. Turn the knob until the desired category flashes. Press the knob to select the category.
2. While making a selection, pressing STOP at any point will return to the main menu.
3. Pressing the **Play** button while a song is playing will activate the main menu so you can add more songs to the Play Queue. If no selections are made within a fixed timeout period, the song status display will return.

## Song Playback Display



Pressing the **Play** button starts song playback and displays the following information:

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① <b>Song Title</b>        | The song title appears in this field. If there is no Title embedded in the music file's tags, the song's file name will be displayed.                                                                                                                                                                                                                                                                                                                                                                       |
| ② <b>Play time/status</b>  | Displays how long the song has been playing and the total time of the song. If the song is not playing, displays the current status:<br><br><b>PAUSED</b> – Indicates that the Pause button has been pushed and the song is paused. Press Pause or Play to resume playback.<br><br><b>BUFFERING xx%</b> - Indicates that AudioTron is transferring song data from the network into its internal song buffer.<br><br><b>MUTED</b> - If the MUTE button is pressed, the word MUTED will flash.                |
| ③ <b>Tags</b>              | "Tags" are data embedded in the audio files that provide information about the song (e.g. title, artist, album name, genre.) If no tags have been entered for the song, the file name for the song will be displayed. If the song tags contain more information than can be displayed at one time, the display can be set to scroll as a "marquee". See web server " <b>Settings-Preferences</b> " section in the Reference Manual for information on controlling the display settings from the web server. |
| ④ <b>Play Queue Status</b> | Displays the current song number and total number of songs in the Play Queue (e.g. the first song in an album that contains 5 songs will display as "1/5")                                                                                                                                                                                                                                                                                                                                                  |

## Song Position Display

Setting Position 3:10/6:12

To set the song position while a song is playing, press the remote control JUMP + or JUMP - buttons or press and turn the knob on the front panel. The display will indicate the song position and the song will continue to play while you move the cursor. After the cursor stops moving, the song will jump to the new position.

Note that the song position feature will show a percentage instead of the time with MP3 files encoded in VBR (Variable Bit Rate) format.



*The web server “Settings → Preferences” screen lets you set the knob to default in the Song Position mode on power up, rather than default to the Volume function. See the Reference Manual for details.*

## Playback Volume Display

Gain  
0 dB

Turning the knob while a song is playing or pressing the remote control volume buttons will momentarily display the volume setting. The volume control will only affect the rear panel analog outputs and headphones output. The S/PDIF digital output volume will not be affected by the volume control.

The volume setting indicates the “attenuation” of the maximum signal level. A setting of 0dB (“zero decibels”) indicates that there is no attenuation (i.e. “full volume”). Turning the knob counterclockwise will attenuate the signal by -1dB steps. The volume setting is saved when the Standby button is turned off. When turned back on, the volume will return to the saved setting.



*The Volume Control should be left at the 0dB (maximum) setting unless AudioTron is used with headphones or powered speakers that do not have a volume control. For best fidelity, the volume control on your stereo system or powered speakers should be used to control the playback level.*

## Play Queue

Songs selected from the menu display are added to the “Play Queue”, which is a list of songs to be played. By navigating through the song selection menu, you can add songs to the Play Queue while listening to other songs.



*Contents of the Play Queue can be viewed with the AudioTron web server.*

The currently playing song is at the beginning of the Play Queue. For example, if a song is playing and three songs are selected from the display menu, the Play Queue will contain four songs—the currently playing song and the three songs added to the queue. When the current song is over (or if the **Next Track** button is pressed before the song is over) the second song in the queue begins to play, followed by the third and then the fourth, until the queue is completed.

Pressing the **Random** button will cause the songs in the Play Queue to play in a random order. Pressing the **Repeat** button will cause the Play Queue list to start over after the last song has finished playing.

The Play Queue cannot be edited from the front panel and the contents are erased when the Stop button is pressed. To stop a song without erasing the Play Queue, press the **Pause** button.

## Group List

A more permanent and editable play list can be created with the **Group List**. Pressing the **Add** button will add the displayed song to the end of the Group List. Selecting **<Group>** in the **Lists** menu plays the songs in the Group List. Songs may be added while a song is playing or while searching for songs in the display menu.



*The Group List may also be viewed and edited via the AudioTron web server.*



*If you do not clear the Group before adding songs to your custom play list, the songs will be added to those already in the Group.*

### To clear the Group List

1. Press **Stop** to activate the display menu.
2. To delete all of the songs from the Group List, press the **Clear** button.
3. To delete specific songs from the Group List, press the **Group** button (LED turns on), turn the knob to select the song, then press the **Clear** button to delete only the song in the display.

### To add songs to the Group List

1. To clear out the entire Group List or specific songs in the Group List, see above. Adding songs without first clearing the Group List will add the songs to those already in the list.
2. To add a song while it is playing, press the **Add** button on the front panel.
3. To add a song while searching for songs, press **Add** while the song title is on the display.
4. To add all of the songs from an album, by an artist, in a genre, or in a playlist to the Group List, press **Add** while the Album name, Artist name, Genre Name or Playlist Name is displayed.
5. To add multiple songs, repeat the steps above. For example, to add three songs from the same album to the Group List, press **Add** → scroll → **Add** → scroll → **Add**. Or to add all of the songs in the album, select ALL rather than the individual titles.

### To play the Group List

1. Press **Stop** to activate the menu display. Turn the knob to select **Lists** and press either the knob or the **Play** button to select.
2. Turn the knob to display **<Group>**, then press either the knob or **Play** button to load all of the Group List songs into the Play Queue. The Group List can also be edited with the web server.



*Turning off the AC power to AudioTron will delete the Group contents. Placing AudioTron in "Standby mode" will not delete the Group.*

## Managing Your Music Library with AudioStation

The **AudioStation** program installed from the AudioTron CD lets you manage and play your music library using "selection lists" that are similar to AudioTron's main menu display. AudioStation can also play CDs, record CD tracks to your music library, play songs from your music library, play Internet radio from your TurtleRadio station list and burn custom CDs.

The AudioTron CD includes an AudioStation reference manual that explains all of the features in detail. AudioStation also includes comprehensive online help.

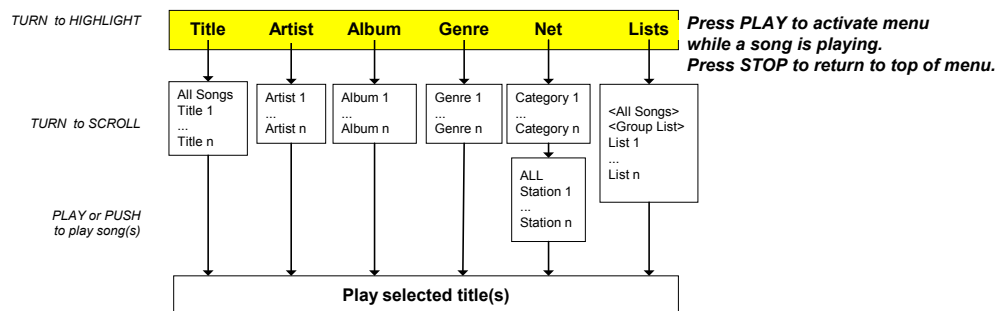


AudioStation

# Front Panel Menu Modes

AudioTron's main menu display operates in either **Simple** or **Advanced Modes**, described in detail in the Reference Manual.

## Simple Menu Mode (Factory Default)

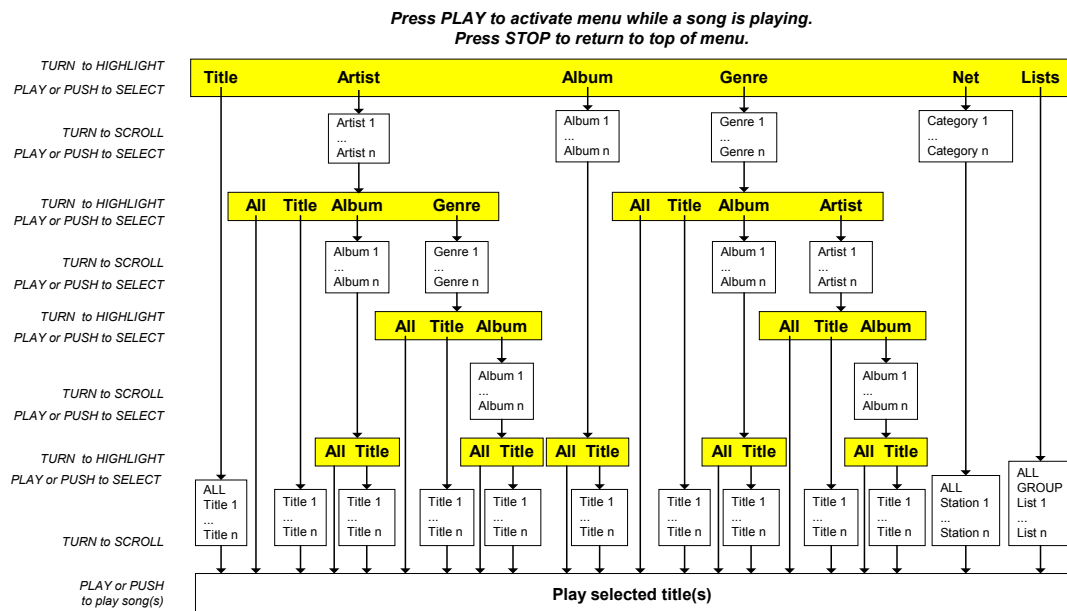


### Simple Menu Tree

When shipped from the factory, AudioTron defaults to Simple Menu Mode, enabling you to select a group of songs within a category menu item. The flow chart shows the “tree” structure of Simple Menu Mode. The top of the tree shows the main menu selections (Title, Artist, Album, Genre, Net and Lists) while the boxes below each menu item show the corresponding menu categories. For example, selecting **Album** would let you find an album by name and play all of the songs on the album. Or, selecting **Artist** would let you play all of the songs by an artist.

## Advanced Menu Mode

Advanced Menu Mode is enabled from the web server **Settings → Preferences** screen. This mode provides detailed control via a sophisticated menu tree that lets you find songs by following a path beginning with the main menu category at the top and ending with a list of songs “filtered” along the path to the bottom. For example, a song on an album can be found by following one of two paths: **Artist → Album → Title** or **Album → Title**. Similarly, finding a song in a particular genre by an artist could be found by **Artist → Genre → Title** or by **Genre → Artist → Title**.

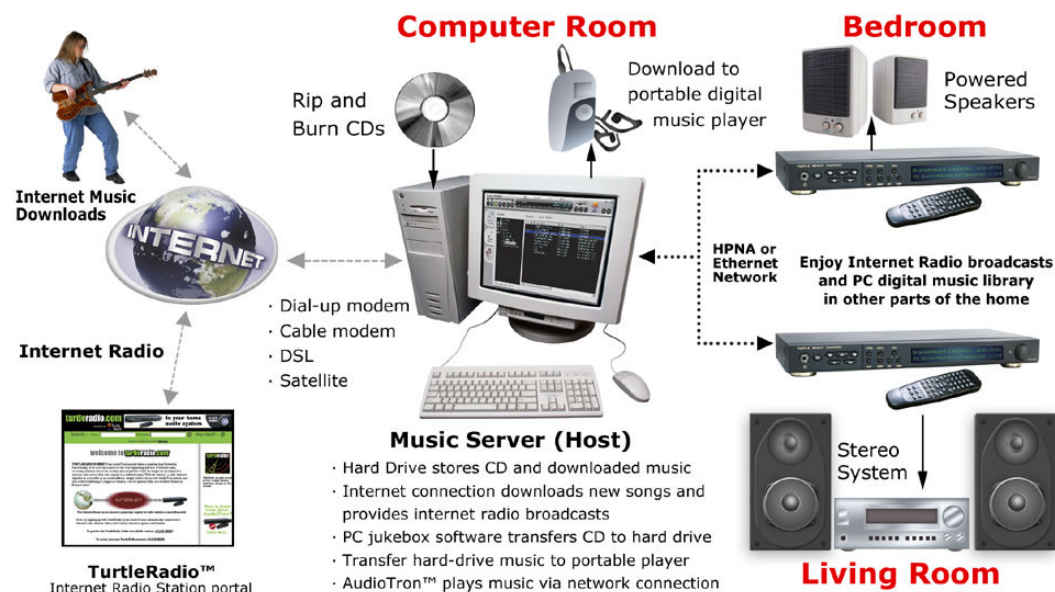


### Advanced Menu Tree

# AudioTron Digital Music System Configurations

An AudioTron digital music system consists of the following key components:

- One or more AudioTrons connected to powered speakers or stereo systems.
- An HPNA or Ethernet network.
- A PC or Network Attached Storage (NAS) device with a fairly large hard drive for storing digital music.
- An Internet connection for listening to Internet streaming audio sources and downloading song tag data when converting CDs to the PC hard drive.



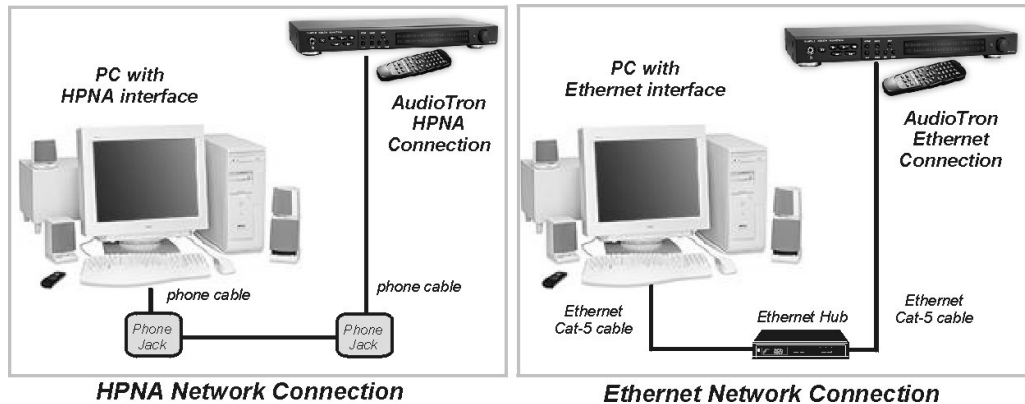
*AudioTron uses your PC and a network to distribute music throughout your home.*

The above example illustrates a digital music system where AudioTrons are used in the bedroom and living room. In this setup, the PC "Music Server" or "Host" provides several functions:

- The PC hard drive stores a digital music library in MP3, WMA or WAV formats, obtained by transferring audio CDs to the hard drive with a PC "jukebox" program, such as AudioStation® (included with AudioTron).
- An Internet connection lets you download music files from the Internet and listen to Internet radio broadcasts.
- The TurtleRadio™ web site lets you configure a list of custom radio stations for listening to Internet radio with AudioTron and AudioStation.
- Music from the digital music library can be transferred to a portable digital audio player (using software supplied with the player.)
- If the PC is equipped with a CD-R drive, AudioStation lets you create custom audio CDs from the songs in the PC music library. The custom CDs can be played in a portable CD player or car CD player that supports playback of CD-R audio discs.
- The music library can also be enjoyed at the PC location in the computer room by playing the music with AudioStation.
- The two AudioTrons and AudioStation running on the PC can each play different songs from the music library simultaneously.

## Basic AudioTron Digital Music System

The simplest AudioTron digital music system consists of one PC connected to an AudioTron with either an HPNA or Ethernet network adapter. Music is stored on the PC's hard drive and is available both at the PC and the AudioTron locations.



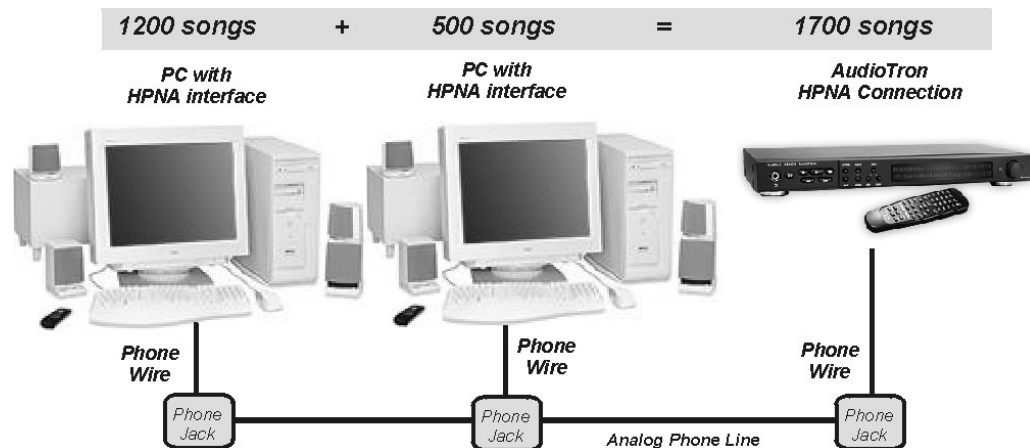
A basic setup can be achieved with a simple HPNA or Ethernet connection.

## Medium AudioTron Digital Music System

In a more sophisticated setup, the network contains several PCs, each with music files. In the example below, two PCs provide a music library of 1700 songs for AudioTron.

➡ *AudioTron can access a library of up to 30,000 songs, depending on the "tag" data embedded in the songs, directory structure and other database information.*

Once AudioTron scans the network, the location of the songs is transparent, so you won't have to switch between PCs when accessing the music.



AudioTron can access music stored on all of the PCs in your network.

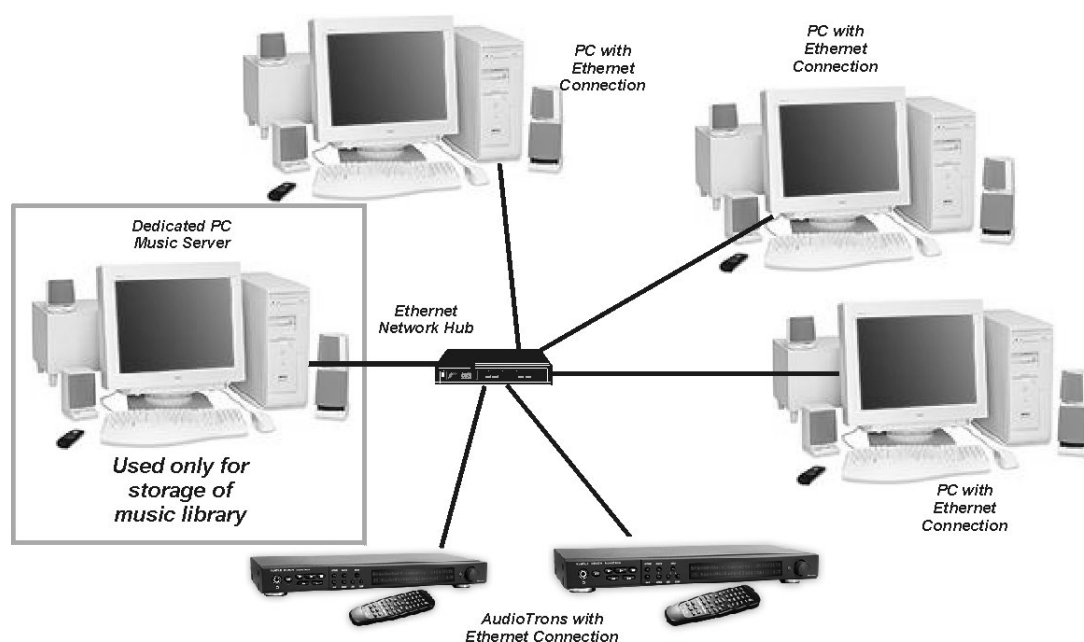
## Advanced AudioTron Digital Music System

In a high-performance digital music system, a dedicated PC or Network Attached Storage Device (NAS) with massive hard drive storage (e.g. 60GB or more) is used for storing the music library and is left on so the music is always accessible.

AudioTron provides all the processing power required to play back digital music—the PC “Music Server” is only used for storage and file access. Any reasonably capable PC may be used as a music server, as long as it can be connected to an HPNA or Ethernet network and has enough hard disk space to store your music library. For example, a 233MHz PC with a large hard drive should be adequate as a music server (which might be a good application for an older PC you put aside when you upgraded to a faster system!)

In this example, multiple AudioTrons and multiple PCs (networked via HPNA or Ethernet) can each play different music at the same time from the music library on the PC Music Server. With the music library stored in a single location on the PC Music Server, family members can each play their favorite digital music whenever and wherever they want.

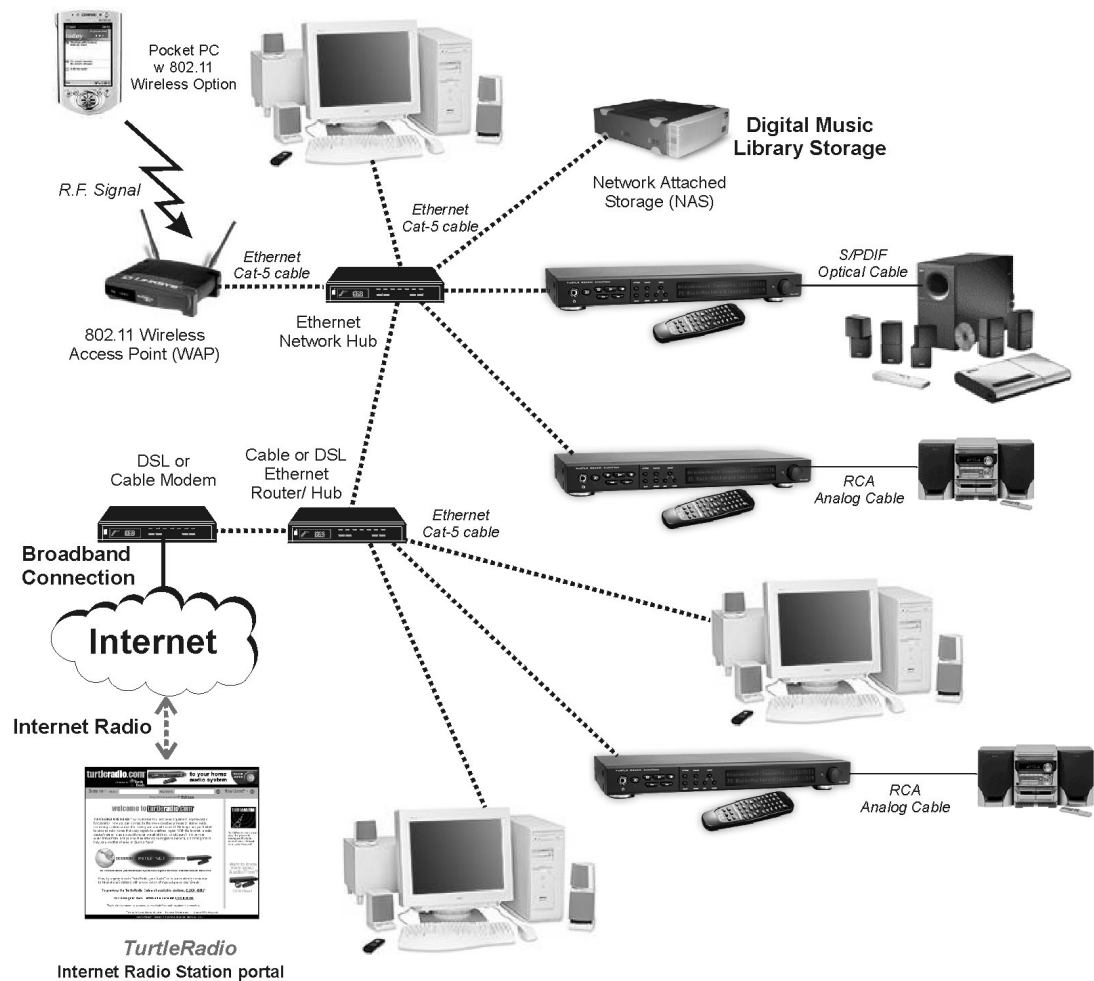
Music can also be played on the networked PCs with the AudioStation software (or other jukebox program).



*A dedicated PC music server provides optimum performance in a high-end configuration. AudioStation software can be used to play music on the PCs.*

## High-performance AudioTron Digital Music System

A typical high-performance system, illustrated below, uses a PocketPC to control multiple AudioTrons via an RF 802.11 link. A Network Attached Storage device is used for storing the music library so that the PCs do not have to remain on in order to use the AudioTrons. All of the PCs and AudioTrons access the same library and can play the same songs simultaneously. The cable modem broadband Internet connection is shared by all of the PCs and AudioTrons, so that Internet radio is available at all locations.



*AudioTron High-performance set up uses NAS storage, broadband Internet connection and RF remote control via PocketPC running the AudioTron thin client web server.*

## Operation Tips

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### Learning to use AudioTron

#### Be sure to read the AudioTron Reference Manual on the CD

This Setup Guide only covers a small portion of what AudioTron can do. The Reference Manual on the CD is a comprehensive guide that describes all of the features in detail so you can get the most from this amazing device. You can browse the manual on your PC screen, print out sections of interest or print the entire manual as a handy guide.

#### Check for AudioTron firmware updates at [www.Turtle-Beach.com](http://www.Turtle-Beach.com).

The firmware version of your AudioTron is displayed when you power the unit from the back panel. You can also check the version number by pressing the options button on the display and or by looking at the **Settings** → **Firmware** page on the web server. Once you know the version number in your AudioTron, check our web site to see if there's a newer version. If so, you can download the new firmware file and load it into AudioTron following the directions in the Reference Manual.

#### Check the AudioTron knowledge base for the latest information and user tips

The knowledge base at [www.Turtle-Beach.com](http://www.Turtle-Beach.com) is constantly updated by our technical staff and contains valuable information that can help you solve problems or provide tips on using AudioTron.

#### Join the AudioTron User Group

AudioTron users can join the AudioTron user group to share helpful tips and get valuable assistance from other users. For details on how to join, visit our web site at [www.Turtle-Beach.com](http://www.Turtle-Beach.com).

#### If you're a programmer, check out the AudioTron API (Applications Programming Interface)

You can control many of AudioTron's features from your own program using the API commands that are part of AudioTron's operating environment. For details on the API commands, see our web site link at: [http://www.turtlebeach.com/audiotron/api\\_download.htm](http://www.turtlebeach.com/audiotron/api_download.htm).

### Use the Web Server

#### Use the web server to configure AudioTron's settings

The web server lets you control all of AudioTron's settings and makes it easy to navigate your music library. Don't overlook this useful tool!

#### Name your AT when using the web server

The web server lets you insert a name for the AudioTron you're controlling, which is useful if you have more than one on your network. Use the **Web Server** link under the **Settings** menu and enter the name in the **AudioTron Location** box.

### Don't overlook these useful features

#### "More songs like this" feature

This feature is enabled via the web server **Preferences** screen. When enabled, the remote control **ARTIST**, **ALBUM**, or **GENRE** buttons will no longer operate as menu selection buttons. Instead, they will clear the play queue and load all songs of the corresponding category. For instance, if you're listening to a Jazz song and want to hear only Jazz from that point on, pressing Genre will clear the play queue and load every Jazz song in your music library so you can enjoy them all.

#### Clock Display and Alarms

From the web server, you can set the display to show the current time and date, just like a digital clock. You can also set the music to play at predefined times, just like an alarm clock.

## Remote Control Favorites

The 16 Favorites and 4 Preset buttons on the remote control make it easy to find your favorite Internet radio stations or play your favorite songs. If you want to see what favorites are assigned to the remote control, use the web server.

## Set up your preferences

### Set the front panel LED intensity to suit your tastes

You can adjust the intensity of AudioTron's front panel LEDs from the front panel **Options** display. Press the Options button, turn the knob to display "**Set LED Intensity**", then press the knob and turn to set the intensity from 10% (dim) to 100% (bright).

### Set the Knob default to volume or song position

From the web server **Settings → Preferences** page, you can set the knob to default to either volume or song position. When you press then knob, it controls the non-default function (i.e. if it's set to default as volume, pressing it will control position). If you're using AudioTron's digital output, the volume control won't do anything anyway, so you should set the knob to default to song position.

### Set the Display to suit your tastes

You can control many aspects of how the front panel display operates by using the web server **Settings → Preferences** page. For example, you can set the top and bottom lines of the display to scroll once, continuously or not at all when long song names are displayed. Or, you can set the display to show the name of the artist when searching through albums, and more!

### Use Advanced Menu Mode for the most versatile way to navigate your song library

Although it's a bit more to learn, Advanced menu mode is far more versatile than Simple menu mode. Don't forget to check it out by enabling it in the **Settings → Preferences** web server page.

### If you're not using Internet radio, turn it off

The Internet radio function is turned off by default. However, if you've turned it on and decided not to use it, turn it off in the web server **Settings → TurtleRadio** page. That way, AudioTron won't scan for stations when it reboots from the main power. Internet radio is best used with a DSL, cable modem or other broadband connection. Trying to use a dial up connection with Internet radio can be frustrating because it doesn't have enough bandwidth to sustain an acceptable audio sample rate.

## Take good care of your music library

### Properly maintain your music library song tags

If the tags in your music library are not consistent, it's going to make it more difficult to search for songs. Use AudioStation to clean up tag irregularities (like "The Beatles" vs. "Beatles") so you can easily find songs when you're searching. Also, be sure not to mix up ID3v1 tags and ID3v2 tags. Use one or the other. See the AudioStation Reference Manual for instructions on cleaning up tags in your songs.

### Back-up your music library

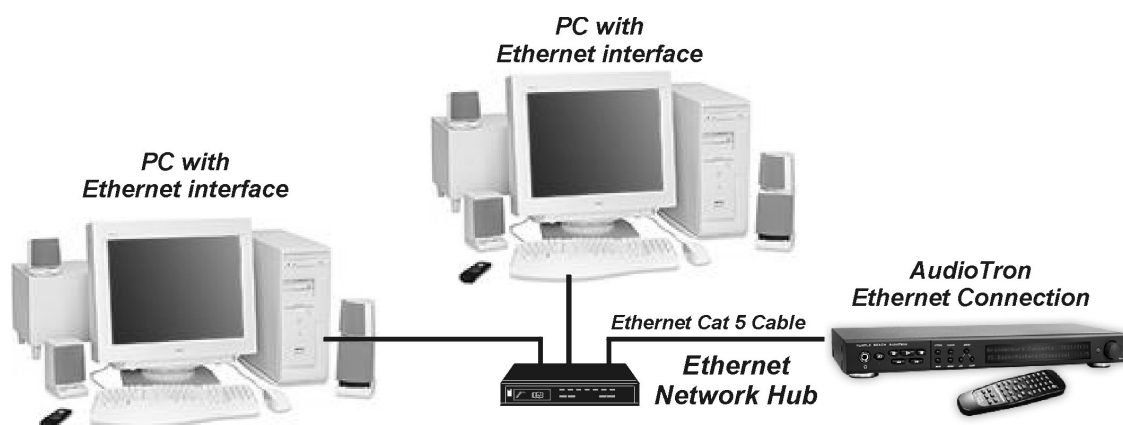
Hard drives can crash and it's not fun to try and reassemble thousands of songs—especially after you've gotten all of the tagging and sorting right! So, be sure to back up your music library to protect it against loss.

# Network Troubleshooting Tips

## General Network Troubleshooting Tips

- **TCP/IP...** Regardless of whether you're using HPNA or Ethernet, AudioTron requires a network that is running the TCP/IP protocol. If your AudioTron isn't working, yet your network is running fine, it may be that the network is not set to use the TCP/IP protocol. For more information on this, see the AudioTron Reference Manual on the CD.
- **If your network has a DHCP ("Dynamic Host Control Protocol") Server...** An IP address can either be assigned to AudioTron automatically by one of the devices in the network (called a "DHCP Server"), or you can "hard code" an address into AudioTron (called "Static IP" addressing.) If your network has a DHCP server, AudioTron defaults to a setting whereby it will automatically accept an assigned IP address from a DHCP server.
- **If you're using a DSL or cable modem with a Router/Hub...** Many Router/Hubs (e.g. the Etherfast Cable/DSL Router from Linksys) also act as DHCP servers. Check with the manufacturer of the device to see if this is the case for your Router/Hub device. You should also check with the manufacturer to see if there's an update for the device's firmware.
- **File sharing...** AudioTron has special requirements for the directories in which your digital music files are stored. These directories must be called **Music**, **Audio\My Music** or **My Documents\My Music** and must be located *under* a shared directory. Simply *sharing* these directories will not allow AudioTron to find the music files. For a comprehensive description of AudioTron's directory restrictions, see the AudioTron Reference Manual on the CD.

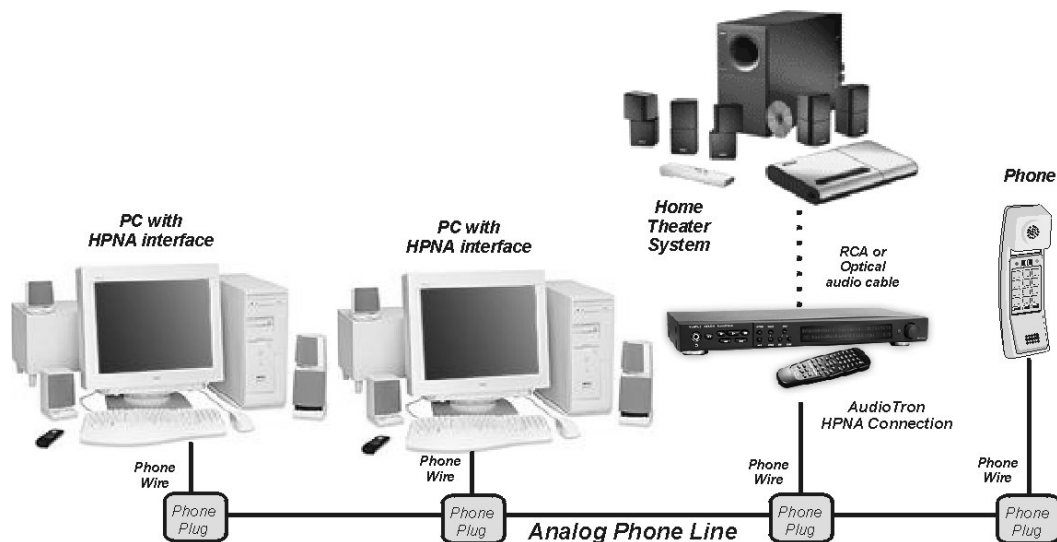
## Checklist for Ethernet networks



Connecting PCs and AudioTrons to an Ethernet network requires an Ethernet Hub.

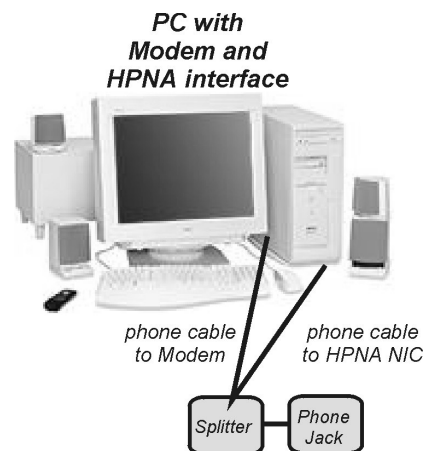
- **Ethernet devices must be connected with an Ethernet "Hub"...** A hub distributes the Ethernet signal between multiple devices and controls the network "traffic". There are many types of hubs available, and some have enhanced features, such as built-in switches that intelligently route data in the network to optimize transfer speeds.
- **If you're connecting the AudioTron directly to an Ethernet-equipped PC...** you'll need either a hub or a special Ethernet "cross-over cable" (which is not the same as the standard Ethernet cable included with your AudioTron.) Since a basic hub is not expensive and the "crossover" cable may be difficult to find, it is suggested that a hub be used for making the direct connection to your PC.

## Checklist for HPNA 2.0 networks



*In a multi-PC HPNA network, each device in the network can be connected directly to the phone line. The normal operation of your telephone is not interrupted by the network activity.*

- **If you have more than one phone line...** Make sure AudioTron is connected to the same phone line as your HPNA network. To check this, unplug the AudioTron and PC from the phone jacks, then plug a phone into the jack used to connect AudioTron and another phone into the jack used to connect the HPNA interface on your PC. If you can't talk between the two phones, then the jacks are connected to different phone lines and there will be no HPNA network communication between the PC and AudioTron.
- **If you have DSL service...** Typically, when a DSL modem is installed, the phone company also installs phone line filters between your phone jacks and phones in order to filter out the DSL signal from your phone signal. These filters can interfere with your HPNA network, so do not connect a filter between the PC's HPNA card and the phone jack or between AudioTron's HPNA connector and the phone jack.
- **If you have a digital phone system...** Some multi-line phone systems use a digital transmission system on standard phone lines. These types of phone lines are not compatible with AudioTron or with HPNA networks.
- **Do not use a transient surge filter between AudioTron's HPNA jack and the phone jack...** Transient surge filters protect your phone against power spikes on the phone lines. This protection is built into the AudioTron HPNA inputs, so a surge protector is not necessary and in fact may interfere with the operation of the HPNA connection.
- **If your PC has a separate modem and HPNA Network Interface...** Connect the modem and HPNA cards to the phone jack with separate cables and a splitter, as shown in the illustration.



## Product Specifications

|                                                  |                                                                                                                                                        |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ethernet Network Support</b>                  | Ethernet 10BaseT (10 Mb/s Ethernet) or 10/100BaseT running TCP/IP. Not compatible with networks which support only Fast Ethernet 100BaseTX (100 Mb/s). |
| <b>HPNA (Phoneline) Network Support</b>          | HPNA 2.0 running TCP/IP                                                                                                                                |
| <b>Analog Outputs (line level)</b>               | Stereo RCA jacks on rear panel                                                                                                                         |
| <b>Analog Outputs (headphone)</b>                | Stereo 1/4" phone jack on front panel (rear panel analog outputs are muted when headphones are inserted)                                               |
| <b>Signal to Noise Ratio</b>                     | 91dBA                                                                                                                                                  |
| <b>THD+N</b>                                     | 0.02%                                                                                                                                                  |
| <b>Crosstalk</b>                                 | -66dB @ 1 kHz                                                                                                                                          |
| <b>Analog Line-Level Output Impedance</b>        | <1000 ohm                                                                                                                                              |
| <b>Headphone Output Impedance</b>                | <10 ohm                                                                                                                                                |
| <b>Frequency Response</b>                        | 20 Hz - 20 kHz                                                                                                                                         |
| <b>D/A sampling rates</b>                        | 8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 32 kHz, 44.1 kHz                                                                                                 |
| <b>Volume Control</b>                            | Variable from -96dB to 0dB in 1dB increments                                                                                                           |
| <b>S/PDIF (Digital Output)</b>                   | TOSlink Fiber Optic connector for Sony/Philips Digital Interface<br>Volume, Bass Boost and Treble Boost controls have no effect on S/PDIF output.      |
| <b>S/PDIF sampling rates supported</b>           | 32 kHz, 44.1 kHz                                                                                                                                       |
| <b>Maximum number of song titles in database</b> | More than 30,000 depending upon the of amount of data associated with each song, (e.g. tag data and directory location.)                               |
| <b>Dimensions</b>                                | 17 x 1.75 x 10 inches (430 x 44 x 250 mm)                                                                                                              |
| <b>Weight</b>                                    | 5.2 lbs. (2.4 Kg)                                                                                                                                      |
| <b>Power Requirements</b>                        | 90VAC – 135VAC 50/60Hz 250mA max                                                                                                                       |
| <b>Remote Control</b>                            | Requires 2 AAA batteries                                                                                                                               |
| <b>File Tags</b>                                 | ID3 tags version 1.1 and Version 2.3 formats/ WMA tags/ WAV tags created with AudioStation 4.1 or higher.                                              |
| <b>Playlist Formats</b>                          | PLS & M3U                                                                                                                                              |

### Supported Digital Music File Formats

| Format                                              | Network         | Bit/Data Rates                                                                                                           | Sampling Rates (kHz)                                                                                                                                     |
|-----------------------------------------------------|-----------------|--------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| MP3                                                 | HPNA & Ethernet | All bitrates up to 320 kbps                                                                                              | 44.1/ 32/ 22.05/ 16/ 11.025/ 8 khz                                                                                                                       |
| Unsecure Microsoft WMA                              | HPNA & Ethernet | 32 kbps<br>36 kbps<br>40 kbps<br>44 kbps<br>48 kbps<br>64 kbps<br>80 kbps<br>96 kbps<br>128 kbps<br>160 kbps<br>192 kbps | 22.05 / 32 / 44.1 kHz (mono)<br>32 kHz<br>32 kHz<br>32 kHz<br>32 / 44.1 kHz<br>32 / 44.1 kHz<br>44.1 kHz<br>44.1 kHz<br>44.1 kHz<br>44.1 kHz<br>44.1 kHz |
| (all formats listed are stereo, except where noted) |                 |                                                                                                                          |                                                                                                                                                          |
| WAV PCM (uncompressed)                              | Ethernet        | 16-bit stereo                                                                                                            | 32 / 44.1 kHz (analog and digital outputs)<br>8 / 11.025 / 16 / 22.05 kHz (analog outputs only)                                                          |

**Note:** The S/PDIF digital output will only play the 32 kHz and 44.1 kHz sample rates. The analog audio outputs can play uncompressed WAV PCM digital audio files recorded at sampling rates of 8 kHz, 11.025 kHz, 16 kHz, 22.05 kHz, 24 kHz, 32 kHz, and 44.1 kHz. AudioTron cannot play uncompressed WAV digital audio files recorded with a sampling rate of 48 kHz.

# Regulatory Compliance Information

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## For United States users: FCC Part 15

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This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio or television reception. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help.

### Declaration of conformity

**Responsible party:** Voyetra Turtle Beach, Inc. 5 Odell Plaza, Yonkers, NY 10701 (914) 966-0600 Fax: (914) 966-1102 www.turtle-beach.com

**Product:** AudioTron Digital Music Player

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

### Caution

Changes or modifications not expressly approved by Voyetra Turtle Beach could void the FCC compliance and negate your authority to operate the product.

## For United States users: FCC part 68

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The AudioTron HPNA interface complies with Part 68 of the Federal Communications Commission (FCC) rules. On the HPNA interface card is a label that contains the FCC registration number and Ringer Equivalence Number (REN) for this device. If requested, this information must be provided to the telephone company. An FCC-compliant telephone line cord with a modular plug is required for use with this device. The HPNA interface is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68-compliant. See installation instructions for details.

The Ringer Equivalence Number (REN) is used to determine the number of devices which may be connected to the telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call. In most areas, the sum of RENs should not exceed five (5). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. If this device causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. The telephone company may request that you disconnect the equipment until the problem is resolved. The telephone company may make changes in its facilities, equipment, operations, or procedures that could affect the operation of this equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

Connection of the phone line interface to a party line service is subject to state tariffs. Contact the appropriate state public utility commission, public service commission or corporation commission for information.

## For Canadian users: ICES-003

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This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of Industry Canada.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par Industrie Canada.

### DOC notice (for products fitted with an IC-compliant modem)

The Industry Canada label identifies certified equipment. This certification means that the equipment meets certain telecommunications network protective, operation, and safety requirements. The Department does not guarantee the equipment will operate to the users' satisfaction. Before installing this equipment, users should make sure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. In some cases, the inside wiring associated with a single-line individual service may be extended by means of a certified connector assembly. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be made by an authorized Canadian maintenance facility designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment. Users should make sure for their own protection that the electrical ground connections of the power utility, telephone lines, and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas. The Ringer Equivalence Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed five (5).

### Warning!

- To avoid electrical shock or equipment malfunction do not attempt to make electrical ground connections by yourself. Contact the appropriate inspection authority or an electrician, as appropriate.
- To reduce the risk of fire, use only No. 26 AWG or larger telecommunications line cord.

## Contacting Turtle Beach

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|                                   |                                                                |                                     |
|-----------------------------------|----------------------------------------------------------------|-------------------------------------|
| <b>AudioTron is a product of:</b> | Voyetra Turtle Beach, Inc.                                     | 5 Odell Plaza Yonkers, NY 10701 USA |
| <b>Technical Support:</b>         | Tel: (914) 966-2150                                            | Fax: (914) 966-1093                 |
| <b>Main:</b>                      | Tel: (914) 966-0600                                            | Fax: (914) 966-1102                 |
| <b>Web Site:</b>                  | <a href="http://www.turtle-beach.com">www.turtle-beach.com</a> |                                     |

## Technical Support

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*If you experience trouble with the operation of AudioTron, first look in the AudioTron Reference Manual or visit our on-line Knowledge Base.*

### AudioTron User group

Turtle Beach monitors and maintains user groups which can be found by following the "Users Forum and Archives" link at <http://www.turtle-beach.com/site/support/forums.asp>. Here AudioTron customers discuss how they use their AudioTrons, request feature updates, and help each other with configurations.

### Web-based technical support

The Turtle Beach web site provides AudioTron firmware updates, Frequently Asked Questions (FAQ) and a comprehensive Knowledge Base that includes the latest product information and troubleshooting tips.

**AudioTron FAQ and Knowledge Base:** The Knowledge Base is in the Support area of our web site. Go to the Turtle Beach web site ([www.turtle-beach.com](http://www.turtle-beach.com)) and click on "Support", then "Knowledge Base". Under the "A" section, click on "AudioTron". This will bring up the list of articles.

**AudioTron Firmware & Software Updates:** Go to the Turtle Beach web site ([www.turtle-beach.com](http://www.turtle-beach.com)) and click on "Support", then "FTP Files". Under the "A" section, click on AudioTron. This will bring up the list of files available for download (including firmware updates and other support files). Note that there is an icon at the top of the product page that lets you switch between the Knowledge Base (which is where you find the articles) and the FTP site (which is where you can download files).

### Other Technical Support



*Please include your Product ID, firmware version number and AudioTron Serial number in all correspondence with Technical Support. **Note that all Technical Support correspondence is conducted in English.***

If you can't solve the problem by visiting our web site, contact Turtle Beach Technical Support as follows:

**E-mail Tech Support:** [support@turtle-beach.com](mailto:support@turtle-beach.com). Please allow at least 2-3 business days for a response.

**Fax Tech Support:** (914) 966-1093 Att: Tech Support. Fax a description of your problem to this number.

**Phone Tech Support:** (914) 966-2150 M-F, 9 a.m. to 5 p.m. EST (except public holidays.) Please note that all calls will be answered on a first-come, first-served basis. Because we cannot guarantee the length of time you will be on hold, we highly recommend you only use this option as a last resort. Times are subject to change without notice.



*Because networks can be set up in so many different ways, Turtle Beach technical support cannot provide assistance on network troubleshooting. Please contact the manufacturer of your network hardware for assistance on getting the network running per the requirements in this manual.*

# Setup Guide

## Warranty and End User License

Voyetra Turtle Beach, Inc. ("VTB") warrants to the original end-user purchaser ("Purchaser") that the Turtle Beach AudioTron ("Product") will be free of defects in materials and workmanship for a period of one (1) year from the date of purchase by Purchaser ("Warranty Period"). If a defect should occur during the Warranty Period, Purchaser must obtain a Return Merchandise Authorization ("RMA") from VTB. Purchaser will be responsible for all costs incurred in returning the defective Product to and from an authorized VTB service center, or to the repair facility located at VTB's corporate headquarters. The RMA number must be clearly indicated on the outside of the package. Packages without an RMA number may be refused by VTB or its representatives and returned to Sender. The Product must be returned in the original packaging. A copy of the dated proof of purchase must be included with the defective Product.

In the event of a defect, Purchaser's sole and exclusive remedy, and VTB's sole liability, is expressly limited to the correction of the defect by adjustment, repair, or replacement of the Product at VTB's sole option and expense. This warranty does not cover, and VTB is not responsible for, damage caused by shipping, accident, problems with electrical power, misuse, neglect, fire, acts of God, useage not in accordance with product instructions, unauthorized modification or service of the Product or damage resulting from the use of the Product with hardware, software or other products not provided or specifically recommended by VTB.

VTB owns all products it has replaced and all parts removed from repaired products. VTB uses new and reconditioned parts made by various manufacturers in performing warranty repairs and building replacement products. If VTB repairs or replaces a product, the original limited warranty term is not extended.

VTB's responsibility for malfunctions and defects in the Product is limited to repair and replacement as set forth in this limited warranty statement. Except as specifically provided herein, there are no other warranties expressed or implied, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. In no event shall VTB be liable for indirect, incidental, consequential, or other damages including personal injury, lost profits and damages to property arising out of any breach of this warranty or otherwise.

The Product, including operating systems or applications programs, is provided on an "As Is" basis. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above exclusion or limitation may not apply to you. This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

## VTB Software End-User License Agreement

By installing the software included with the Product ("Software"), you acknowledge that you have read, understood and agree to abide by the terms and conditions of this End-User License Agreement ("Agreement"). If you do not agree with the terms of this Agreement, promptly contact the seller of this Software to arrange an appropriate remedy.

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**Turtle Beach**™

CONNECTED AUDIO™

**www.TurtleBeach.com**

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