

Safety Statement

Always follow safety precautions when installing and operating your CasaTunes hardware. You may cause an electric shock or fire if you ignore these safety precautions.

For the AC powered CasaTunes XLe or the CasaTunes Music Server in XLi or XLe form:

- There are no user serviceable parts in the XLe Expansion Box. The XLe is designed to be used only with the supplied Mean Well GE12I12-P1J, 12V, 1A LPS power adapter. Do not replace with other type power adapter.
- If you have our Music Server and decide to add memory, hard disk storage or make any other changes, you must remove the AC power cord from the Music Server before starting work.
- Never plug in or unplug your AC power cords or AC adapter from an outlet near water or when your hands are wet.
- Do not use damaged, modified, stretched or excessively bent or twisted power cords. Do not place heavy objects on the power cord and do not leave the cord lying where it can be tripped over or stepped on.
- Use the power cord/adapter that is shipped with your product. If you must replace a damaged power cord or adapter, please purchase a new one from CasaTools. Use grounded AC outlets.
- Never unplug your power cord or adapter by pulling on the cord.
- Never plug your device into power outside the range of 100 to 240 VAC, 50/60 Hz. For the XLe, this applies to the power adapter.
- Install your device on a stable, flat, surface. The XLe expansion chassis may be mounted in a rack using the supplied mounting brackets. Make sure all screws are secure, but not over tightened.

For the XLi, the PC card for the XLe, or the audio card for the Russound/Nuvo Kit or Expanded Internal Source Kit:

- Follow the instructions included with your computer for installing internal PCI-e cards (PCI card, in the case of the Kit audio card) in the computer.
- Always disconnect the power cord from the computer before starting work.

Regulatory Information

This Device complies with Part 15 of the FCC Rules. Operation 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.

Note: This equipment 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 communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or 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;








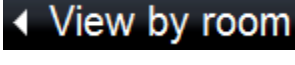








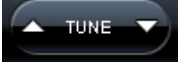
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help


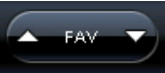

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modification should be made, you could be required to stop operation of the equipment.

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Purpose

Although we have tried to design CasaTunes to be easy to use and we hope that even a novice can start listening to music throughout the home with no training, there are some features that might not be obvious and parts of CasaTunes that might be confusing. This guide is meant to help the owner learn more about their CasaTunes and understand some of the more complex items. The guide will be improved and expanded regularly.

Terms used in CasaTunes

The following terms are phrases, words and icons that are used in CasaTunes along with their definitions. The descriptions italicized and placed in parenthesis tell you which window or CasaTunes view the word or icon is in.

CasaTunes Computer, CasaTunes Server Computer or CasaTunes Music Server

(used throughout this guide)

- The CasaTunes computer or server computer is the computer that the CasaTunes software is installed in. Although you can control CasaTunes from any computer on your Local Area Network (LAN), the actual program is on one computer in your house. It is the computer that contains your CasaTunes XLi or XLe hardware or connects to a NuVo or Russound system, if you are not using CasaTunes hardware and is typically located in the media room or a mechanical room.

UI or user interface

(all)

- When we talk about the UI, we are talking about the “browser based User Interface”, not to be confused with the iPhone app, the Pronto Script or any other means of controlling CasaTunes. Please find separate documents and videos describing how to use the other control methods. By browser based, we mean the UI that runs on Internet Explorer, Firefox, Safari, Chrome and other internet browsers on computers on the LAN at your home.

Zones

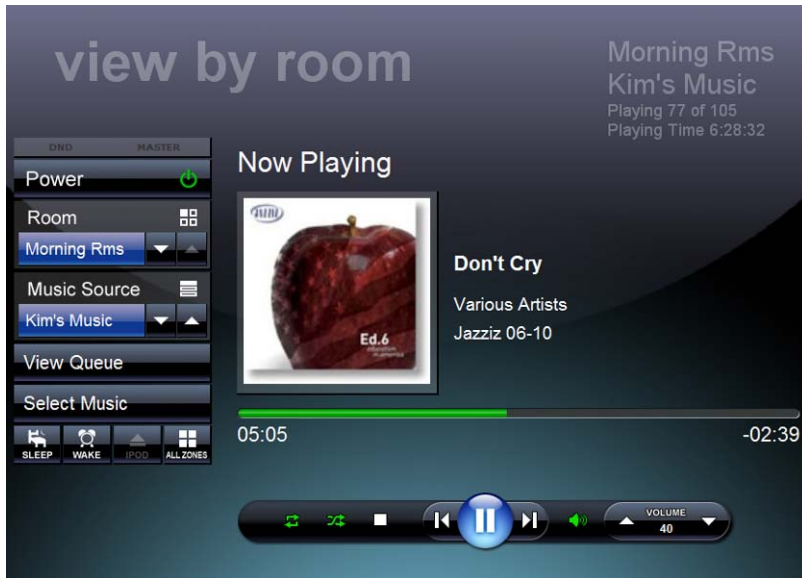
(view all zones, view by room)

- Zones are the same thing as rooms.

Zone Groups

(view all zones, view by room)





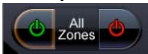
- Zone Group is a grouping of more than one room. A Zone Group acts just like a zone: The installer will set up a Zone Group using the CasaTunes "Setup" software. In the example shown, the installer named the Zone Group "Morning Rms" (rooms where you would listen to music in the morning) and set it up to control the Master BR, Kitchen and Patio. Having a Zone Group allows you to turn on and off and change the settings of several rooms at the same time because they are part of the group. This is useful when you have a party and



want to be able to easily turn on and control the same music in several rooms at the same time. When you turn on a Zone Group, such as the "Morning Rms" Zone Group shown, CasaTunes will turn on all the rooms that have been grouped in the Zone Group. Also, if you change the volume of the "Morning Rms" Zone Group the volume in the Master BR, Kitchen and Patio will change and if you change the music, the music in all the rooms in the Zone Group will change to the new selection. The installer can set up several Zone Groups for different situations. Advanced users can look in the Advanced part of this manual to see how easy it is to set up your own Zone Groups.

Power and Mute

(view all zones, view by room)

- The power button is the button marked "Power", , or looks like this (Power is ON and clicking this can turn it off):  or this (power is OFF) : whereas the mute button is the symbol that looks like: . With the CasaTunes hardware, turning off the power or muting the audio do the exact same thing. In the "view all zones" window, these power buttons:  turn all the rooms on or off with one click.

DND

(view all zones, view by room)

- DND means Do Not Disturb. By turning on the DND indicator, the room will not be affected by Zone Group changes. For example, let's say the installer created a Zone Group called "Morning Rms" that includes the Kitchen, the Patio and the Master Bedroom so that you can use one control when you wake up in the morning. However, you are out on the patio and want to listen to the news on Internet Radio, while the listener in the Bedroom is using the "Morning Rms" Zone Group controls to select different music. To temporarily prevent the audio you are listening to from being controlled by the "Morning Rms" Zone Group, you simply activate the DND button for the Patio.

MASTER

(view by room)

- If you have a zone group(s), MASTER is a button that can be used to make a room the Master of the Zone Group it is in. When the room's MASTER indicator is selected by clicking on the word MASTER, it will light green. When selected, changing any of the settings for the room, such as the volume or the music selection, will affect the settings of the other rooms in the Zone Group.

Music Source or Source

(view all zones, view by room)

- The Music Source control is sometimes a little confusing to the new user. This control lets you select what "Music Player" you want to use to listen to your music. If you have an external device, such as an XM tuner, connected to your system, you can also pick it as a Music Source. CasaTunes XLi has 4 Music Players built into the CasaTunes computer. Also, one external device can play through the XLi hardware and be controlled by CasaTunes. The XLe has 5 Music Players built in and inputs for 4 external devices. For Russound and Nuvo systems, you will have a combination of CasaTunes Players or any external sources that are plugged into those systems. The Music Source button lets you pick which built in Music Player or external device you want to use to listen to music.

I am sure you have used tuners, such as an FM tuner, or a CD player to listen to music before. If you have one of these or music from a Cable box or DirectTV tuner, for example, or any other source of music from outside your computer, the installer should have hooked it up to the one external input if you have the XLi, one of the four external inputs if you have the XLe product or any of the source inputs for Russound and NuVo. By clicking the down or up arrow under Music Source in the "view by room" window, you can find the player and then you can control it from CasaTunes.

For the music that comes from inside your computer, you will use one of the Music Players that is built into CasaTunes. All music that you play from iTunes, Windows Music Player, Internet Radio, iPod(s) plugged into your CasaTunes computer or any other digital music that comes through the CasaTunes computer will use Music Players. (If you are wondering why the iPod is not considered an external device, it is because the music in the iPod actually goes into the computer via the USB port as digital data and then is routed by the CasaTunes software through a Music Player and treated like all the other digital music on your computer.) Since there are multiple Music Players; four for XLi, five for XLe and typically four for Russound and NuVo systems; you must be careful about sharing these Players with people in the various rooms. In the Using CasaTunes section later, we will discuss different ways you can let people in different rooms listen to different music. Just keep in mind that with the XLi, for example, you can only be listening to four different songs coming from music that is coming from the computer (and one more song from an external tuner or other external source), even if six different rooms want to listen to music.

Wake:

(view by room)

- The Wake button allows you to setup wake-up alarms. At this point, these are not compatible with the wake-up settings in the iPhone or iPod touch app. If you are using the iPhone app, we recommend that you pick either it or the UI Wake feature and not both.

Sleep: 

(view by room)

- The Sleep button allows you to have the music you are listening to automatically turn off after a set amount of time. This button is only usable (active) when the room is on. At this point, these are not compatible with the Sleep settings in the iPhone or iPod touch app. If you are using the iPhone app, we recommend that you pick either it or the UI Sleep feature and not both.

Magnifying glass: 

(view all zones)

- Click on this to go to the details of the room that it is associated with. This is different than the magnifying glass you will see in Search (below).

View Queue

(view by room, select music)

- Select this to see a list of items that are playing in the Music Player ([Music Source](#)). This choice will not be seen when you are listening to Internet Radio or if you select an external Music Source.

Play Now: , **Add to Queue:**  & **Add and Play Now:** 


(select music)

- Available only when selecting disk music, such as Windows Media, iTunes or music from iPods. Play Now starts playing your selection immediately, replacing anything that was already playing, Add to Queue adds your selection to the end of the list of playing music on that Music Source. Add and Play Now adds the music to the playing music and then starts playing the first of the newly added songs. These items are not seen when selecting internet radio stations or selecting music from external devices.

Home:  or  **View by room**

(select music)

- Selecting Home takes you back to the “view by room” window.

Search: 

(select music)

- In V2.70, CasaTunes added a very powerful search engine. You can search for artists, album names, song names, radio stations, etc. As you type, CasaTunes starts filtering items that are in the current display. If you don't find what you are looking for, click on the magnifying glass and CasaTunes will search all the items below the level you are on.

Refresh Library:

(select music)

- This will rarely be used. If your installer maintains and adds music to your computer, you may never use this button. If you “rip” new music yourself (see the [Advanced](#) section of this manual), you will need to refresh the library that CasaTunes uses to keep track of all your music. If you make any changes to your Windows Media Player libraries, such as adding playlists or editing titles or songs or albums, you should refresh the library.

NOTE: These are some other icons which may or may not be shown, depending on which type of source you are listening to:

Continuous play:

(view by room)

- Click on this to change its state. When red, all the music in the queue plays through once and then the player stops. When green, the music starts over after reaching the end of the queue.

Random play:

(view by room)

- Click on this to change its state. When red, all the music in the queue plays in the order that it was added to the queue. When green, the music in the queue plays randomly. This is sometimes called “shuffle play”.

Previous:

(view by room)

- Click on this button to go to the beginning of the previous song.

Next:

(view by room)

- Click on this button to go the next song.

Progress Bar:

(view by room)

- Shows the progress of the song being played.

NOTE: The following items are seen when listening to compatible tuners. They may not all be available for all tuner types.




(view by room)

- Clicking on this button lets you go through the different types of Genres, such as Pop, Rock, Jazz, etc, for radio stations.




(view by room)

- Clicking on this button lets you tune through the radio stations in the current Genre. You will need to hit the OK  button to change to the station.




(view by room)

- Clicking on this button causes the tuner to seek up or down to find a station. You will need to hit the OK  button to change to the station.



(view by room)

- Clicking on this button lets you tune through all of the stations you have marked as favorites. You will need to hit the OK  button to change to the station.



(view by room)

- You can directly enter a band and/or frequency into the tuner.

Using CasaTunes

Starting the User Interface

Your installer should have put a shortcut on the desktop or CasaTunes web page into your “Favorites” or Home Page of the browser on the computer(s) that you will use to control your CasaTunes music. The CasaTunes User Interface is compatible with most browsers, including the Apple Safari browser on an iMac, Firefox, Chrome and Internet Explorer 7 or later. Any or all of the computers in your home that are connected to your LAN can talk to your CasaTunes computer (and you can use the browser on the CasaTunes computer, itself).

Wireless computers and “Internet Devices”, such as the Nokia N800 or N810, can also be used to control your music, once they have been set up properly by your installer. The browsers on these devices need only point to the CasaTunes server.

The Apple iPad can use either the iPhone app or it can use its built in browser to go to the User Interface.

Typically, you will just click on your desktop shortcut to start your browser and go to the User Interface web page.

When you start the browser you will start in the CasaTunes “view by room” window for one of the rooms in your home.


Explanation of the various views or windows

In CasaTunes there are four main windows or views that you can use to control your music, “view by room”, “view all zones”, “select music”, and “view queue”.

- The “view by room” view is used to see what, if anything, is playing in a room and to control what it sounds like. In the “view by room” window, initially you will probably see something like this (unless your dealer already set up music to play):



This means that there is no music playing in this room.

- The “view all zones” view is used to see an overview of all the rooms in your home. It will show what rooms are on, what source of music is playing in the rooms and various other pieces of information about the music in the rooms. You have a limited amount of control in this view.
- The “select music” view is used to select the music that is playing on a [music source](#).
- The “view queue” view shows all the songs that are lined up waiting to be played in the selected music source. The currently playing song is highlighted with the play icon: .

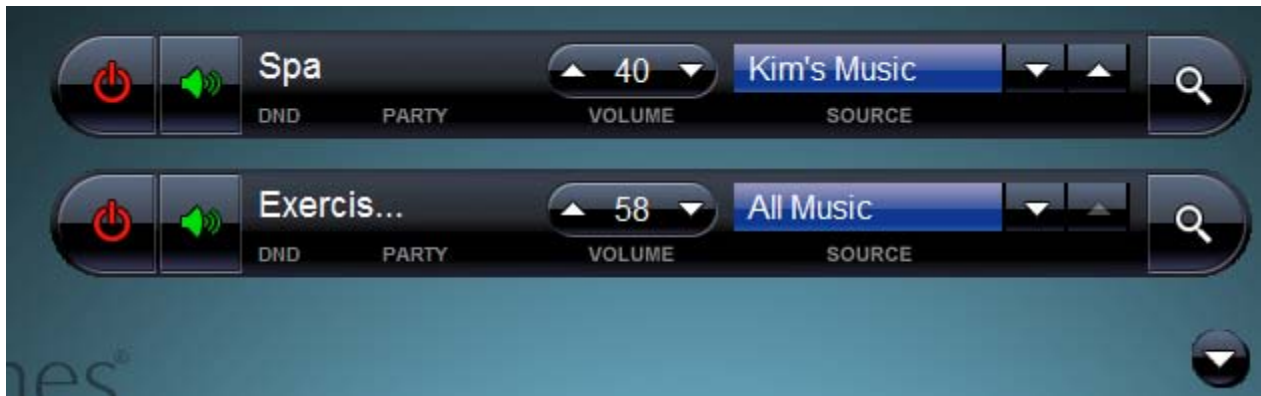
Selecting Music

Selecting recorded music

Recorded music is music that is on your hard disk. This can be music that you or your installer moved from your CD’s or it can be music you purchased from the internet. This music is played through CasaTunes by using one of the built in CasaTunes Music Players. It must be music that is in the Windows Media Player library, the iTunes library on this computer or any other computer on the LAN, or on iPods that are plugged into the CasaTunes computer’s USB port. See the Advanced section for more information about using iPod(s) (including iPhone and iPod touch) and iTunes players with CasaTunes.

To select music to play, you must first be in the “view by room” window. To get there you will do one of the following:

- If you are in the “view all zones” view, find the room name of the room you want to play music in. If you do not see the name of the room, look for an arrow up or an arrow down button just below the bottom room, and click on the arrow to see the rest of the room names. For example, if you see this:



click on the down arrow in the lower right and you will see the rest of the rooms at the bottom of the list of rooms. You will notice that the arrow will change direction, so that you can go back to the rooms at the top of the list:

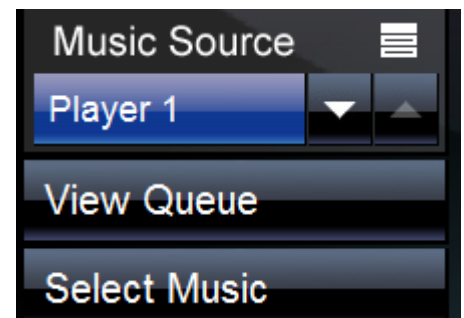


Once you find the room you want to play music in, click on the [magnifying glass](#) to go to “view by room”.

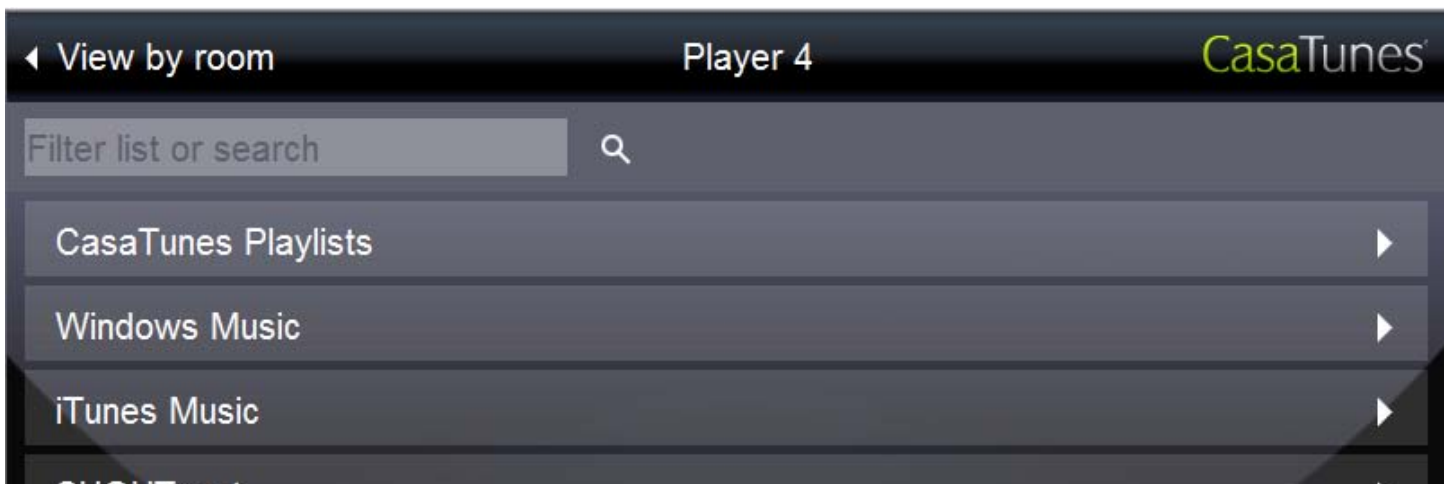
- If you are in the “view queue” window, you can go to the “view by room” window by clicking on the [Home button or icon](#).

Now that you are in the “view by room” window you must decide which Music Source you want to use. We highly recommend that you read the definition of [Music Source](#) in the “Terms used in CasaTunes” section so that you understand how to decide which source to use. Pick the Music Source by clicking on the up or down arrows:

In this example we will use one of the CasaTunes computer’s Music Players, “Player 1” (your dealer may have renamed it). In a later section, we will show how to pick music from external sources, such as an AM/FM tuner.



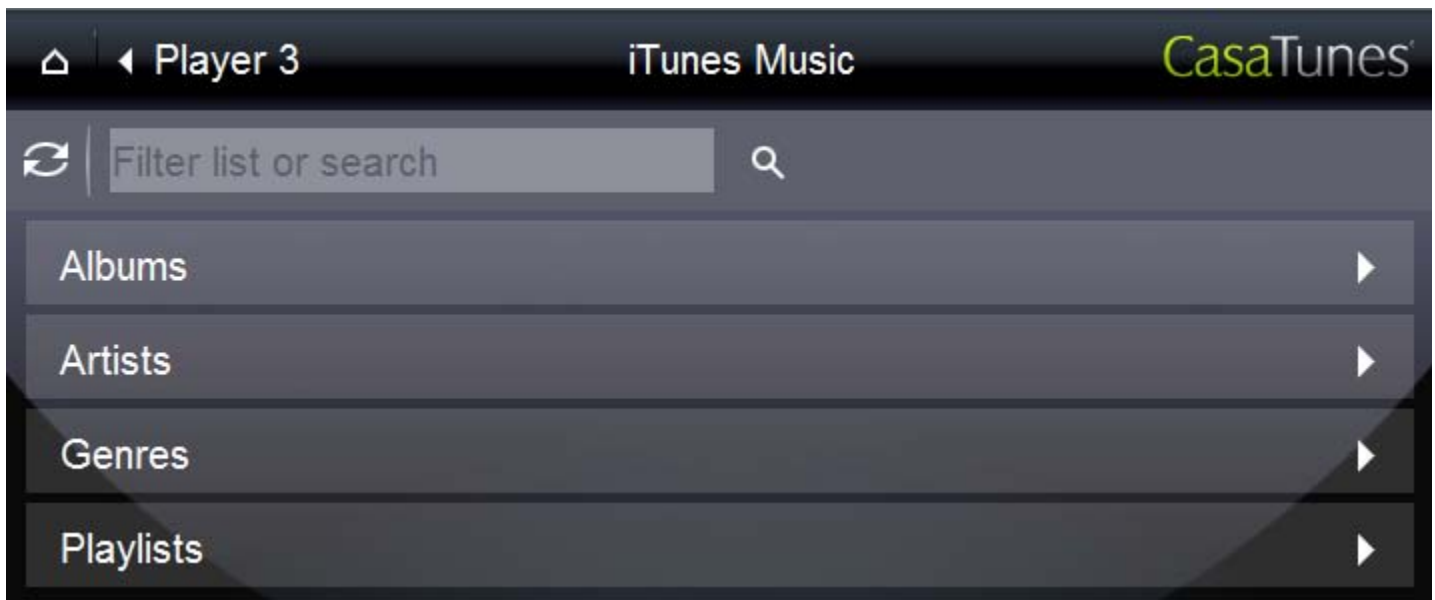
Now, click on Select Music and you will see the “select music” window. It will look something like the following image:



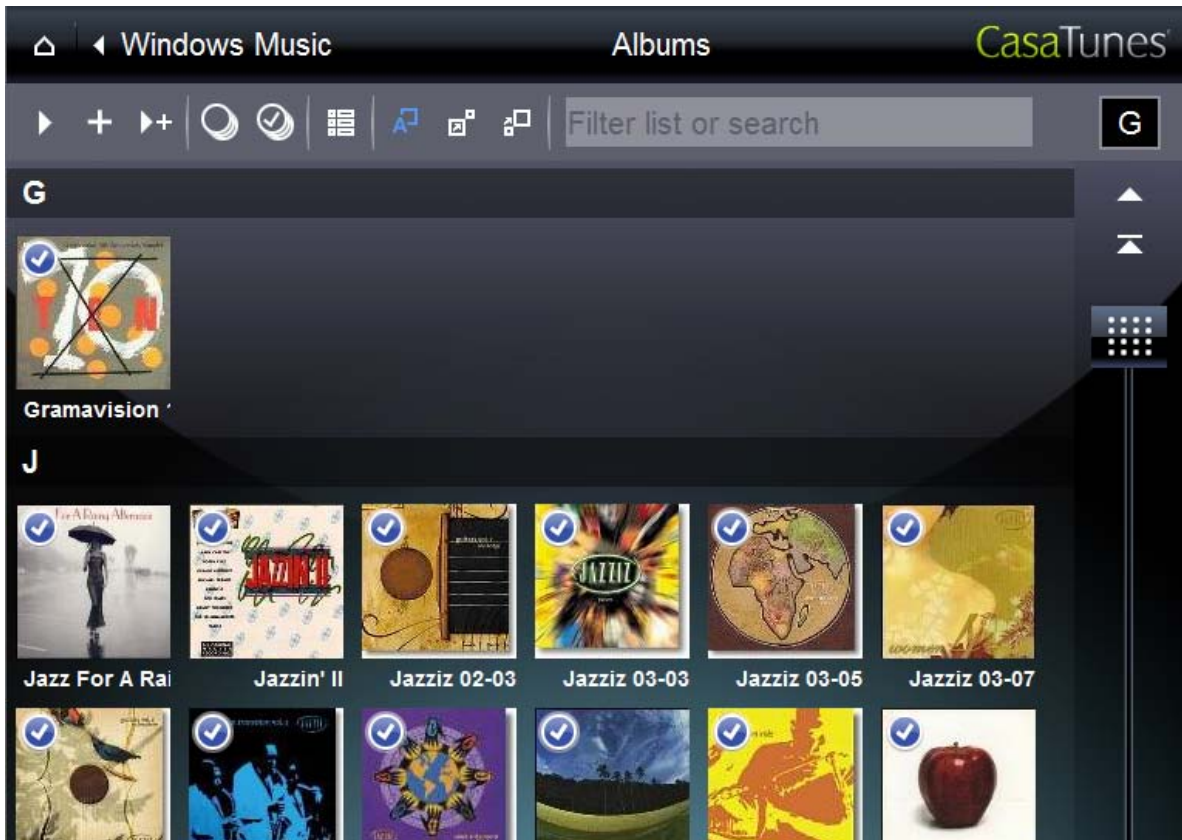
You will have several choices of types of music to pick from:








- **Windows Music.** This shows up if your installer set up CasaTunes to work with Windows Media music.
- **iTunes Music.** This will show up if the installer has enabled iTunes support and has set up CasaTunesSync for iTunes on at least one computer in the home. If you have several computers with iTunes, the installer may have set up CasaTunes so that each iTunes computer gives you a separate choice in the Select window. In this case, you will see separate selection bars for each one.
- **iPod Music.** This shows up if there is an iPod (or several) plugged into the USB port(s) on your CasaTunes server computer.
- **SHOUTcast.** This is a built in internet radio service, which allows you to select one of thousands of stations.
- **RadioTime.** This is a very powerful built in internet radio service. It shows you local stations and if you have a RadioTime account it will show you your favorite RadioTime stations. Also, you can select stations from around the world and in a multitude of genres.
- **CasaTunes Playlists.** If you create CasaTunes Playlists using the iPhone app or the Pronto app, you can select them here. This is not to be confused with playlists that can be selected in Windows Music, iTunes or iPod selection menus. Creating CasaTunes Playlists is not yet available in the Brower UI.

Clicking on Windows Music, iPod Music or iTunes Music takes you to choices to select your music by album (with pictures of the album covers), artist, genre (type of music) or you can pick a playlist that was created in the music service you selected. Following is a screen shot after iTunes was chosen:

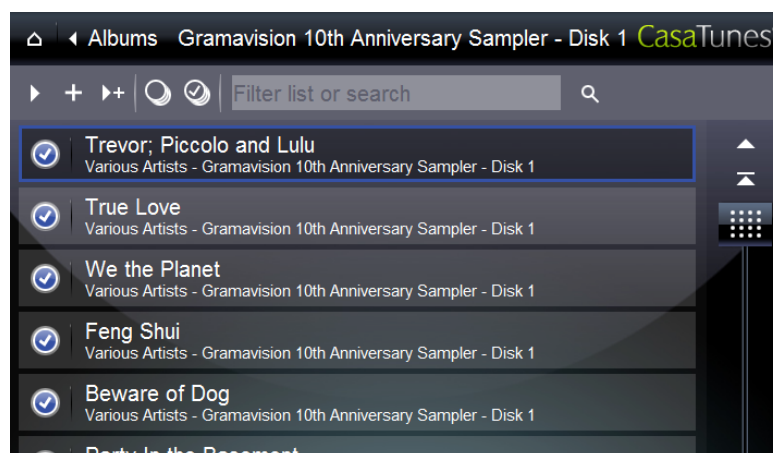


Select by Album – Click on “Albums”. The album covers should be shown in the window, similar to this (all albums and cover art are covered by copyrights by their owners):



The scroll bar on the right side only shows when you have more items than will fit on the screen. If you hit the “Play Now” button  at this point (before making any changes to the selections) CasaTunes will put all of the music of this service (in this case, Windows Music) into the Music Player’s queue and start playing it immediately. To choose which albums to play before hitting the Play Now button, simply uncheck the albums you do not want to play. You can change the size of the cover art images by picking one of these buttons to automatically resize the images, use small images or use large images, respectively:   . You can switch to a text listing of the album names by clicking on: . To save time when making selections, you can deselect all items, , or select all items, .

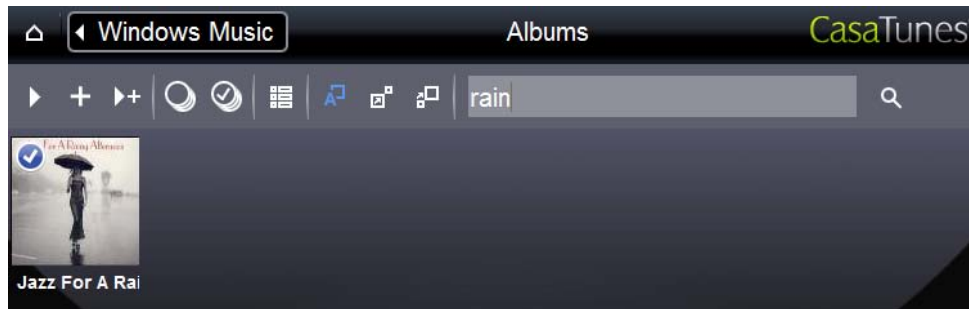
To choose to play just one album, click on the album. You will then see the list of songs on the album:



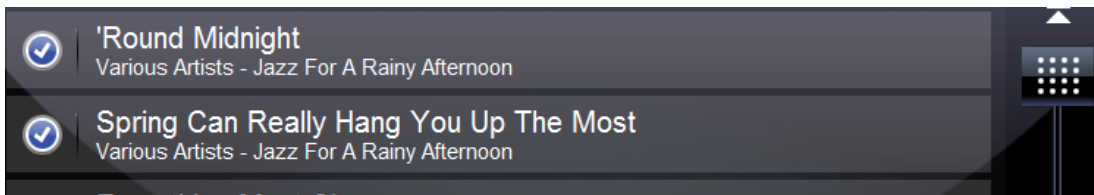
If you pick Play Now, this entire album’s music will be moved to the Music Player’s queue and immediately start playing. As before, you can change your selections by unchecking and checking the individual songs. If you click on one of the songs, you will be given a choice of what to do with the song.

Notice that in each case, you can also click on the “Add to Queue” button, **+**. This adds your selection to the end of the queue of songs you have already chosen to play on this source. If you click on the “Add to Queue and Play Now” button, **▶+**, you will again add it to the end of the queue. This time, the music will switch to play the first song of the group of songs you just added to the queue. **Remember**, if you click on “Play Now” all of the songs in the queue will be replaced by your new selection.

And, how do you quickly search for a particular album? To help find a particular album or song, simply start typing the title into the “Filter list or search” box. If you don’t see it after typing, then click on the little magnifying glass and CasaTunes will search for the name you have typed, looking at all the songs of all the albums in this service. For example, here we start typing Rain and came up with the album “Jazz for a Rainy Afternoon”:



In this case, we type Rain and then click on the magnifying glass and we get all the songs from the album plus a few other songs that have Rain in them (not shown):



Select by Artist – To pick by artist, go back up a level and click on Artists. Now, you can use the selection pages to pick songs by various artists quickly and easily, in the same fashion that you picked by album

Select by Genre – Similar to Select by Artist.

Select by Playlist – Similar to Select by Artist.

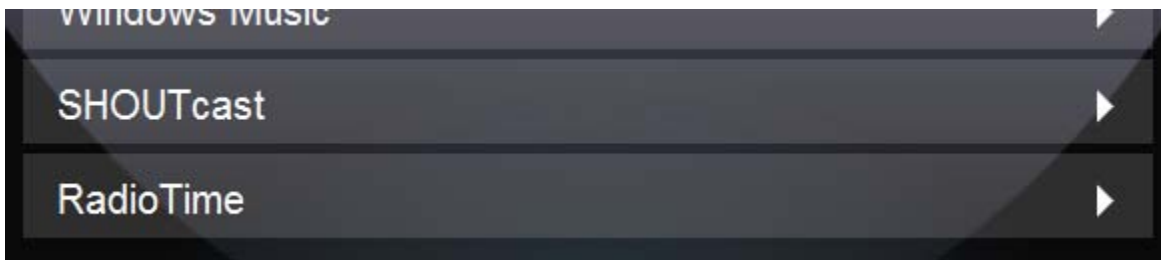
After picking the songs to play, hit the Home button to go back to the “view by room” window.

Note: If you wish to change or add playlists or change or add the genre to your music, the Advanced section tells you how to do it.

Selecting Internet Radio Music using the “select music” window

NOTE: Internet Radio requires a connection to the internet. Also, a slow speed connection can cause unsatisfactory results with internet radio. CasaTunes uses the ShoutCAST™ and RadioTime™ radio services to supply radio stations. Both have thousands of stations in every genre from all around the world.

Follow the directions under [Selecting Recorded Music to Play](#) for instructions on how to go to the “view by room” window. As with recorded music, Internet Radio uses one of the CasaTunes built-in Music Players to play music. In this case the music comes from SHOUTcast or RadioTime via the internet, into the computer and out through the Music Player. We will use Player 1 in the Music Source selector in this example again. Click on the Select Music button to go to the “select music” window. You should see these internet radio choices:



Now pick the service you want to use. You will see several choices. Since using these choices is self-explanatory, we will let you explore. You can't hurt anything and will find an amazing amount of very good choices. In particular, RadioTime will find local internet stations for you and, if you have a RadioTime account, let you set up stations on their website and see them in a “Favorites” selector bar. This feature is not available without a RadioTime account.

Note: If you wish to add stations to your list of radio stations you can use the CasaTunes Radio Manager. **This is an advanced utility not covered here.** Please see documentation about the Radio Manager at our website. Please be aware that **Radio Manager is not used to manage SHOUTcast and RadioTime stations.**

Controlling the Music Playing in a Room using the “view by room” window

You can control the music that is playing in the room from a couple of places in the CasaTunes user interface. The controls that you will use vary a little depending on which type of music you are controlling. This section describes how to use the “view by room” window to control the music. This is the most common way and

gives you the most options. First, if you are not there already, go to the “view by room” window as described in [Selecting Recorded Music to Play](#) section.

Controlling Windows Media, iPod, or iTunes Music

When Windows Media, iPod, and iTunes music has been selected and is playing, the “view by room” window will look like this (if it is a song from your iPod, the iPod icon will be lit):





In this case, we see a Windows Media song is in the playing queue. The source, which is Player 2, has been renamed from “Player 2” to “Party/Guest”. You or your installer can rename the sources to any name that makes sense to you using CasaTunes Setup (advanced). In this case it was named Party/Guest because we decided to set aside one Music Player to allow our guests to pick, change or play music that they want, anywhere in the house. We also use it to set up music for parties (in that case, the guest just has to put up with the music we want to listen to for the party!).

You can also see that we are going to listen to our music in the Kitchen, the power is off and the music is stopped. Other information we can gather from this screen is that the music, when it starts playing will play [continuously](#), will play in normal order since the random indicator is red (see [random play](#)), the mute is off (not muted) and the volume is set to 50.

Turn on the Music

To start the music, click on the Power button. The power light will go from red to green and the music will start playing automatically. If your server is set up to **not** start the music when the power is turned



on (unusual installer setting) simply hit the play  button. When the display updates you will see the play button change to a pause  button, the power indicator, as previously mentioned, will turn red, and the status bar will start moving, showing the total length of the song and the amount of time left, this case there are 2 minutes and 38 seconds left in the song:





Changing Volume

To raise or lower the volume, simply click on the up or down arrows on either side of the “VOLUME” indicator.



Pause/Play

To pause playing, hit the  button. To start again, hit the  button. Pausing the music stops it such that when it starts again it will start at the point where it stopped.


Stop

To stop playing the music, click on the stop  icon. Stopping the music in the manner removes the cover art of what was playing. When you hit the  button, the queue of music that you had set up for this Music Source will still be there and will play from the beginning of the first song in the queue.


Next/Previous

To move to the next song or previous song click on the  or  button.


Random (or shuffle)

To play all the selected music in a random or shuffled manner, hit the  icon. It will turn green when in random mode and all the songs in the queue will be shuffled and played in a random order.


Continuous

If you would like to hear all of the songs in the queue play continuously, click on the  icon. Green means that CasaTunes will play all the songs in the queue and then start over at the top. Red means that CasaTunes will stop after the last song in the queue is played.

Wake up alarm

If you would like to wake up to music in the morning, click on the  button. This will open a window that lets you decide which days and at what times you would like the music to start.

Music to go to sleep by

When the music in a room is playing, the  button will be lit. Clicking on this opens a window where you can tell CasaTunes to let the music keep playing and then shut off after 5 minutes, 10 minutes or up to one hour.

Eject iPod

If you are listening to music on your iPod that is connected to the CasaTunes computer, and you need to unplug it, first eject it by clicking on the IPOD button.


Moving progress bar

You can click anywhere on the progress bar to change the point where the music is playing.

Controlling Internet Radio Music

You will have a few less buttons in the “view by room” window when you are listening to Internet Radio. This does not mean you have any less control!! [Power](#), [volume](#), [mute](#), [sleep](#), and [wake](#) are the same; if you need a refresher, click on the words to go back to the section where they are explained.

Create a favorite

When you find a station that you really enjoy, click on the red star,  to turn it green (only works with RadioTime stations when you have a RadioTime account). This marks the station as a favorite (clicking the star again changes it back to red and takes the station off the favorites list). Later, when

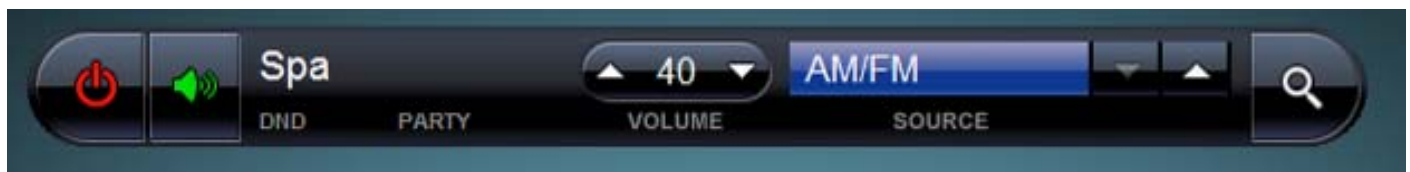
you are selecting music, you can find the favorite in the Selection screen, under the appropriate service. So, if you create a SHOUTcast favorite, it will show up in Favorites under SHOUTcast in the Select menus.




Controlling external music sources


Controlling the external devices in the “view by room” window changes depending on the device. If you run into problems understanding how to control your external device we recommend that you talk to your dealer/installer. If they cannot help you, please contact our customer support staff at support@CasaTunes.com or 888-855-2272 x2.

Controlling Music Using “view all zones”

You can use the “view all zones” window to view what is playing in all the rooms of your home from one screen. If all the rooms’ controls do not show up, you can use the up and down arrows at the bottom of the list of rooms to see the rest of the rooms. Each room is represented by a control bar that looks like this:




With this control bar you can turn the room’s audio off and on using the  button, you can turn the volume up and down, and you can select the source you wish to listen to using the  control. The DND indicator/control and the MASTER indicator/control will be discussed in the Zone Group section of the manual. If you want to look at more details of a particular room, click on the  button and you will be taken to the “view by room” window for that room.

At the top of the “view all zones” window there is a control, , that lets you turn on or off all the rooms in the home.

What You Can Do in the “view queue” Window

From the “view by room” or “select music” windows you can click on the View Queue button to go to the “view queue” window. This is only available for Windows Music, iPod, and iTunes music.

In the “view queue” window you will see a list of all the songs that are in the queue for the music player you are using. The green play arrow  will be located on the song that is currently playing. You can use the up and down arrows below the bottom of the list to see all the songs on the list. If you would like to jump to a particular song on the list, click on the song and you will be taken to a window that shows you the details of

the song. Then, click on Play Now and CasaTunes will move to that song and continue in the queue from there. In a similar manner, you can delete one song from the list by clicking on the song and then clicking on Delete.

You can clear all the songs in the queue by clicking on Clear All Songs and you can change the order of the songs in the queue by clicking on Re-Shuffle. And, finally, you can change the list by clicking on Select Music and selecting a whole new list of songs to play.

Advanced Guide

Using CasaTunes Setup to Install or Customize Your CasaTunes

CasaTunes Setup lets you customize CasaTunes to run well with your hardware. The following describes each of the pages in setup, selected by clicking on the tabs on the left side of the Setup window.

Controller Tab

The Controller tab lets you choose the hardware that you will be using with CasaTunes. If you have CasaTunes XL hardware or the XL Music Server, this should be preset to the correct Controller type. For the XLi card or the XLi Music Server, the Controller type should say “CasaTunes XLi” and the “Number of MultiZone MultiSource controller units should always be set to 1. For the XLe or the XLe Music Server, the Controller type should say “CasaTunes XLe” and the number of controller units should reflect whether you have 1 (for up to 12 rooms) or up to 4 (for up to 48 rooms) XLe expansion chassis. For other Controllers, pull down the menu item and choose from the type of Controller you have. CasaTunes supports a number of Russound, Nuvo, and Channel Vision products. If you are just discovering CasaTunes (don’t own hardware, yet), you can explore most of the features of CasaTunes by picking “CasaTunes Demo (Simulates XLe)”. This will allow you to use the on-board audio chip or an audio card in your computer as a multiple source device to get an idea of how CasaTunes functions. For the Russound, Nuvo and, of course, CasaTunes hardware listed in the pull-down you will be able to control all the functions of the controller.

The screenshot shows the 'Controller' tab selected in the CasaTunes Setup window. The interface includes a vertical navigation menu on the left with tabs for Welcome, Controller, Sources, Zones, Zone Groups, Music Services, Advanced, and License. The main content area for the Controller tab contains the following elements:

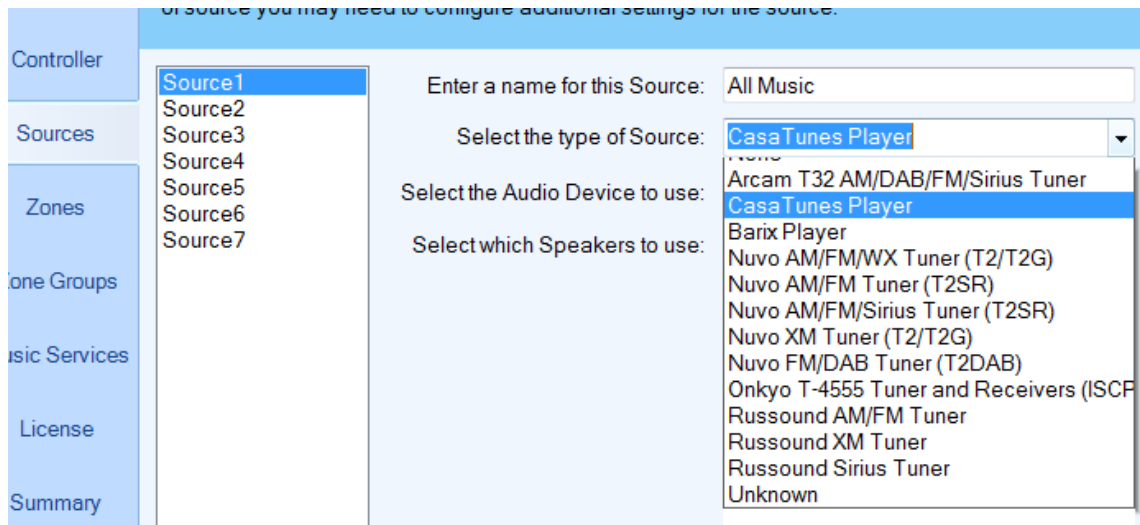
- A header instruction: "Select the type of MultiZone MultiSource controller from the list below. Depending on the controller type, you may also need to configure the number of units, serial communication port, keypad types."
- A dropdown menu labeled "Select your MultiZone MultiSource Controller type:" with "CasaTunes XLe" selected.
- A numeric spinner control labeled "Number of MultiZone MultiSource controller units:" set to "1".
- A text input field labeled "Enter the name to display on your CasaTunes Keypads:" with "CasaTunes" entered.

Sources Tab

Use the Sources tab to set up the various sources of music that will play through the system and give them names. For the CasaTunes XLi, XLe and XLi/XLe Music Server, these Sources should be preset properly, but can be renamed.

Pick the Source you would like to set up, by highlighting Source1, Source2, or any of the other Sources. Give that source a name, in this case “All Music”. You can leave the default name or pick a name that will help you choose the music you want to listen to. For example, if the source is an external tuner, you might want to change the name of the Source to “FM/AM/XM Radio”. Keep in mind that sources 1 through 4 for the XLi and 1 through 5 for the XLe (1 through 4 in Windows XP) will be CasaTunes Players.

Next, you will pick the “type of Source”:



- **“CasaTunes Player”:** For services that are built into the PC, such as Windows Media music, iTunes music, iPod music (attached to server) and internet radio, you will pick CasaTunes Player in “Select the type of Source”. The following explains the different possible scenarios when setting up PC music sources:
 - For all types of CasaTunes XL hardware, you will set the “Audio Device to use:” to “Speakers (CasaTunes Multi-Room Audio) for each of the first four sources. In “Select which Speakers to use:” for Source1, you will select “Speakers 1&2 (Front Right/Left)”. For Source2, you will select “Speakers 3&4 (Center/LFE)”; for Source3, select “Speakers 5&6 (Rear Surrounds)”; and for Source4, select “Speakers 7&8 (Side Surrounds)”. With the XLe in systems that do not use Windows XP or Windows Home Server you have an additional CasaTunes Player Source available. To use this 5th Player Source, highlight Source5 and set the “Audio Device to use:” to “Headphones (CasaTunes Multi-Room Audio)” and the “Speakers to use:” to “Default Speaker Selection”.
 - For the Russound or Nuvo Kit, which includes an audio card, if you are using Vista or Windows 7 you will set “Audio Device to use:” for the first four Sources to “Speakers (SB Audigy)”, or, if you are using XP, “Speakers (SB Live!)”. In “Select which Speakers to use:” for Source1, you will select “Speakers 1&2 (Front Right/Left)”. For Source2, you will select “Speakers 3&4

(Center/LFE)”; for Source3, select “Speakers 5&6 (Rear Surrounds)”; and for Source4, select “Speakers 7&8 (Side Surrounds)”.

- For all other systems, you will need to determine the “Audio Device to use”. Typically, if you are using the on-board audio chip for your music sources, this will be something that looks like “Speakers (Realtek High Definition Audio)” or “Speakers (SoundMAX Integrated.....)”. If you are using a sound card, look for the name of the sound card in the “Audio Device to use” pulldown menu. For example, if you purchased a SIIG 7.1 Audio card, look for “Speakers (SIIG HD Audio)” or something similar. Do not select a choice that starts with “Digital Output (...” unless you are an advanced user and are taking the audio card’s digital output and using it as a source. For “Select which Speakers to use”, you will start with 1&2, then 3&4, 5&6, and 7&8. If you use a 5.1 sound card you will not have 7&8.
- **Other Source types:** in the “Select the type of Source” field, pick the device you are using as a source. Since you are using CasaTunes, we will assume you have some type of “CasaTunes Player” for the first four or five sources (see previous section for setting them up), so the other sources will be external tuners or other audio devices connected to the L1 input of the XLi, the L1 – L4 inputs of the XLe or the unused source inputs if you are using Russound or Nuvo whole house systems. **iPod, iPhone and iTouch devices are not set up in this tab. They appear automatically in the User Interface.**
- **Additional XL information:** With the XLi and XLe you have the ability to adjust the input gain for each source. This is handy if an external device has a strong signal. You will be able to adjust it to match the internal CasaTunes Player sources so that the music all sounds roughly the same volume when switching between sources. For the average external source you will probably have to change the Source Gain setting to 10 or even 15 to match the internal sources. We did this on purpose, since some very “hot” sources could distort if the gain was set too high.

Zones tab

The Zones tab is used to change the names displayed for each zone or room and to set up of the music going to the different zones or rooms. Pick the Zone you want to change, for example Zone1, and enter the room name in “Enter a name for this Zone:”. Do this for all the Zones that you are using. Next, you can set the balance, bass, treble and other settings for the sound in that room. If you want the volume to always come on at a fixed setting, instead of the setting it was at the last time it was powered up, check the box next to “Reset the volume level when the Zone is power on?” and set the level that you want.

For Zones that you are not using (for example, if you only have 9 rooms and you have a 12 zone XLe) you can hide the zone in the user interface by checking the “Hide this Zone” box.

TIP: If you want to supply Music On Hold (MOH) to a phone system:

Take one of the unused Zone outputs and route it via a twisted pair (or part of a CAT5e or 6 cable using baluns) to the phone system’s MOH input. Name the Zone MOH, leave the “Hide this Zone?” checkbox unchecked (we will hide it after the next steps). Then go to the CasaTunes User Interface, select the music you want for the music on hold (if you are not using a radio station, make sure you click the continuous play icon), and click the DND button. The DND button will keep other users from changing the music on the source you

picked for the MOH zone. Now, go back to Setup and check the “Hide this Zone?” checkbox. The result is that you will have music continuously playing on this zone output. The downside is that one of your sources will be used by MOH, however, other rooms can listen to this source, but they cannot change it.

Zone Groups tab

See [Zone Groups](#) for a detailed description of Zone Groups and how to set them up.

Music Services tab

The Music Services tab is where you tell CasaTunes what music services you are using for the CasaTunes Players. For services you are using, check the “Enable *name of service* service” checkbox. For example, if you are using iTunes for all of your music, you can check the “Enable iTunes Music service” and uncheck the “Enable Windows Music service” checkbox.

Windows Music

Enable to play music from your Windows Media Player library. You can also add the name of playlists that you don’t want to show up in CasaTunes (usually, auto-generated playlists from Windows Media Player). Add one playlist name per line.

iTunes Music

Enable when you want to play iTunes Music in CasaTunes. You will use CasaTunesSync for iTunes to transfer iTunes music from your computer’s iTunes library to the server. This lets CasaTunes select and play music located in iTunes on any PC (sorry, no Mac support, yet) in your home, as long as the PC is on the same local area network as the server or iTunes is on the server itself. There are detailed instructions on how to set this up in the technical documents section of our website. To find this document, with instructions on how to install CasaTunesSync for iTunes, go to www.CasaTunes.com/guides and download the “CasaTunes Apple iTunes and Apple iPod Support” document.

iPod Music

Enable to play music from iPod(s) plugged into the USB port(s) of the server.

SHOUTcast

This is enabled by default. The stations can be sorted in two ways. We recommend leaving it set to sort by Popularity, since there are a LOT of stations and some are not so good☺!

RadioTime

Enabled by default. If you have a RadioTime account, enter the information here. This is only used by CasaTunes to enable certain features of RadioTime in CasaTunes (we do not use the information in any other way). If you leave “Auto detect location” as the location choice, RadioTime will give you local stations based on your internet service provider’s information. This usually works fine.

My Internet Stations

Enabling this service lets you add special internet radio stations to CasaTunes. You will need the stations' URL and you will need to enter it into the CasaTunes Radio Manager. Since RadioTime and SHOUTcast have 10s of thousands of internet radio stations, this service is usually not needed. If you use it and want instructions on how to use the Radio Manager, please see the video at www.CasaTunes.com/guides .

Advanced tab (only available when Controller type is XLe)

If you have a CasaTunes XLe and it is chosen in the Controller tab, you will see the Advanced tab. After selecting the advanced tab you will see options for setting up the XLe Mute or Paging function. Both of these functions use the "Mute" input on the back of the first XLe chassis in the system (if you have more than one XLe chassis, the Mute inputs on the other chassis are non-functional). The signal fed into the Mute input must be a 12 volt signal. It can either go to 12 volts to do the muting or paging and back to 0 volts when the muting or paging is over, or it can go the opposite polarity. You can decide which of the zones are used for this. A detailed discussion on how to set up Muting or Paging is discussed in a document on our website. To find this document, go to www.casatunes.com/guides and download the "Using CasaTunes Triggers" document.

License tab

This tab is pre-filled for CasaTunes XL customers. If you do not have XL hardware, enter your serial number in the Serial Number field. All other fields are optional. Then click on "Activate Serial Number".

Summary tab

In the Summary screen, you will see the results of all the choices you made during setup. You should print out this summary, in case you need to refer to it later. Once you have finished with CasaTunes Setup, click on the Finish button to update CasaTunes. If you changed the Controller type or the source device types in Setup you will need to restart the computer to see the changes. If you are just changing room names, source names, zone or keypad settings, you can go right back to the CasaTunes User Interface and click refresh in the browser to see (or hear) the changes. If you don't see the results of the changes you made, you should restart the computer. All settings made in CasaTunes Setup will be preserved when you upgrade CasaTunes.

Adding Music to Your CasaTunes Server

Now that you have your CasaTunes system up and running you will probably want to add some music to it. There are lots of places to obtain your music and the way you add them to the CasaTunes library depends on whether you are using Windows Media Player or iTunes or even a combination of the two. It also depends on where the music is coming from. One common source of music will be the old pile of CDs that you have collected over the years. Another source is online music stores. The following give you some help on using your media player of choice to bring that music into your library.

Adding Music from a CD using Windows Media Player

Copying music from a CD to a computer is commonly called “ripping” the music. The first thing you want to do is set up Windows Media Player so that it rips the music in the quality you want. Start Windows Media Player (usually found in the Start menu). If you don’t see the “File, View, Play, Tools and Help” menu choices at the top of the window, tap the Alt key, choose Tools and Options. Click on the “Rip Music” tab. With the low cost of hard drive space on PCs these days, we strongly recommend that you pick “Windows Media Audio Lossless” in the “Format” choices. This format will do some compression of your audio files without changing the quality of the recordings at all. If you decide that you want save storage space further, you can choose another option, but you should click on Help in the Rip Music window to make sure you understand the loss of quality versus file size.

While in the Rip Music window, you can pick a custom location to rip all your music to. The default location and file names work well. Also in this window you might wish to check the “Rip CD when inserted” box. This will cause Windows Music Player to start ripping the audio on your music disks as soon as they are inserted.

Adding Music from a CD using iTunes

Note: iTunes and CasaTunesSync for iTunes must be installed on the computer where you want to add music to iTunes. If these are not set up, go to www.CasaTunes.com/guides and download the “CasaTunes Apple iTunes and Apple iPod Support” document to learn how to set up iTunes support in CasaTunes. If iTunes is on a PC, make sure that Windows Media Player is not set up to automatically rip music. The following instructions assume that iTunes is on a PC. The procedure is similar if iTunes is on a Mac.

Setting up for copying music from the CD to iTunes

This section just describes the steps you will do once. Copying music from a CD to a computer using iTunes is called “Importing” and is the same as the commonly used term “Ripping”. To add music from a CD to CasaTunes using iTunes, you will need to import the music into iTunes and then synchronize CasaTunes’ Library to the iTunes Library.

Before using iTunes for importing music, we recommend that you create an account in the iTunes Store (no, we do not receive any revenues from Apple ☺). This is worthwhile because it does not commit you to purchase anything from the iTunes Store, but it lets CasaTunes show images of the album covers when you are selecting iTunes music to play in CasaTunes. To create an account, start iTunes, click on store and then click on “Create Account...”.

Now, you need to set up iTunes so that it imports the music in the quality you want. Start iTunes, select “Edit” from the top menu and then click on “Preferences...”. Next, click on the General tab. In the General window you will see a pull down for choices of what to do when you insert a CD. The default, “Ask to Import CD”, is a good choice. Now, click on “Import Settings”. iTunes defaults to using 128kbs bit rate for importing music from CDs. Importing the music at this bit rate will degrade the music a small amount. Although it is a good setting for transferring music to your iPod or listening to the music

from computer speakers, we feel that you might want to use a higher quality setting. Since hard disk storage is cheap these days, we would rather pay a few cents more for storage per CD than lowering the quality of the music imported from the CD. At the minimum we would suggest that you change the “Setting” in the Import Settings window to “Higher Quality (256 kbps)”. If you want to have the music on your computer be identical to the music on the CDs (like we do), change “Import using” to “Apple Lossless Encoder”. This will compress the size of the music files by about 2 to 1, saving some storage space, but will not affect the quality of the music at all. One advantage of using the Lossless encoder is that you will essentially have a backup copy of your CD. If you lose your CD you can create a new one, virtually identical to your original, by “burning” a new CD (see your iTunes help file for how to do this). Keep in mind that using Lossless might not be the best selection if you use iTunes to transfer songs to an iPod, iPod touch or iPhone with minimal storage. In this case, we recommend using the higher quality 256 kbps setting. Better yet, keep another copy of the songs on another PC or iMac, if you have one, and use it to transfer songs to your mobile device at a lower quality level (less storage).

You can now save your settings and go back to the “General” tab by clicking on the OK button.

In the “General” tab, check the “Automatically download missing album artwork” box.

Next, select the “Advanced” tab. Check the “Keep iTunes Music folder organized” box. This keeps your hard drive organized for future use. You might also want to check the “Copy files to iTunes Music folder when adding to library” box. The music you import from your CDs will go to the Music folder whether this box is checked or not, but if you add music to the library in other ways the music may not be copied unless this box is checked. For best performance of CasaTunes, files should be copied to the Music folder.

Quit iTunes and you are ready to import.

Importing (or copying) the music

Once you have set up the computer to import the music, you are ready to start. Put the music CD into your CD or CD/DVD drive. One of the following will happen (try putting in a CD to see which way your computer functions):

- **iTunes is not running and a window pops up titled “AutoPlay”.** If this happens, you will see several choices of how to continue. For importing into iTunes select “**Import Songs** using iTunes”. This will open the iTunes program and automatically import the songs from the CD.
- **iTunes is not running and iTunes starts when CD is inserted.** This can happen if AutoPlay is set up to automatically tell iTunes to start and import the CD. The CD will start importing as soon as iTunes starts.
- **If iTunes is already running when you insert the CD,** you will be taken to a window showing all the songs and a pop up will ask you if you want to import the music. If you select “yes” it will import music into iTunes.

- If iTunes is not running and “AutoPlay” does not pop up when you insert the CD. We recommend that you remove the disk, start iTunes and then reinsert the disk and follow the step above.

Once the music is imported, click on the “Music” button, just below “LIBRARY”, in iTunes. You should see the album covers of the CDs you imported. Now you need to synchronize the CasaTunes Library to the iTunes Library.

Synchronizing CasaTunes to the iTunes music

To Synchronize CasaTunes to the iTunes music, you must run “CasaTunesSync for iTunes”. Go to the Window’s Start Menu and open the CasaTunes folder. Click on “CasaTunesSync for iTunes”. iTunes will start and CasaTunes will sync its library with the iTunes library. When “CasaTunesSync for iTunes” indicates that the synchronization is completed you can now close “CasaTunesSync for iTunes” and you can close iTunes .

Tips for “CasaTunesSync for iTunes”

NOTE: The following assumes CasaTunes and the computer with iTunes were set up to support iTunes by your installer. If not, go to www.CasaTunes.com/guides and download the “CasaTunes Apple iTunes and Apple iPod Support” document to learn how to set up iTunes support in CasaTunes.

If you create playlists in iTunes (see iTunes help for instructions on creating playlists), you can sync them to CasaTunes. After creating your playlists in iTunes, open “CasaTunesSync for iTunes” and click on the “Playlists” tab. Check the boxes next to the playlists that you want to appear in CasaTunes. Now go back to the Synchronize tab and click on the Synchronize button. After you are finished Syncing the songs you can exit “CasaTunesSync for iTunes” and iTunes.

Notes: Only Playlists that have songs in them will appear in the Playlist tab. If you create or change a playlist in iTunes while the “CasaTunesSync for iTunes” is open you must exit “CasaTunesSync for iTunes” and then restart it for the new or updated playlists to show up correctly.

In the “Settings” tab you can set “CasaTunesSync for iTunes” to automatically synchronize when the program is started.

In the “Settings” tab you can type in a name for the library CasaTunes displays when selecting music. Whether this name displays or not depends on the iTunes setting in the CasaTunes Setup program. This is best described by some examples:

- If CasaTunes Setup is set up so that music from iTunes on all the computers in the network are combined in one library, the Music Type for the iTunes music in the CasaTunes’ “select music” page will display “My iTunes”.
- If CasaTunes Setup is set up so that music from iTunes on each computer is shown as a separate library, the Music Type pull down will display a separate name for each library. For example, if in the “Settings” tab of “CasaTunesSync for iTunes” you put in “Bill’s Music” for the name, when you go to the “select music” page in the CasaTunes interface and click the down or up arrows in “Music Type”,

you will see Bill's Music at one of the types and you will then be able to select the music or playlist from that computer's iTunes.

In the "Settings" tab, if you are working on a computer that is not the CasaTunes Server and you don't always have that computer powered up, you should probably click on the 2nd choice under "Copy music settings". This way, if the computer is off, you will still be able to listen to the music throughout the house using CasaTunes.

If you are working on iTunes on the CasaTunes Server or if your computer is always on, check the 1st choice under "Copy music settings".

Zone Groups

A Zone Group is typically used when you want to control several zones or rooms as if they were a single zone, for example, a Party Zone Group. Another use of Zone Groups is for large rooms that require multiple sets of speakers, which need to be controlled as one. See [Zone Groups](#) in the main section of this guide, for more information about using Zone Groups. The following uses a CasaTunes XLe as an example. Other controllers work in a similar manner.

Set up of Zone Groups

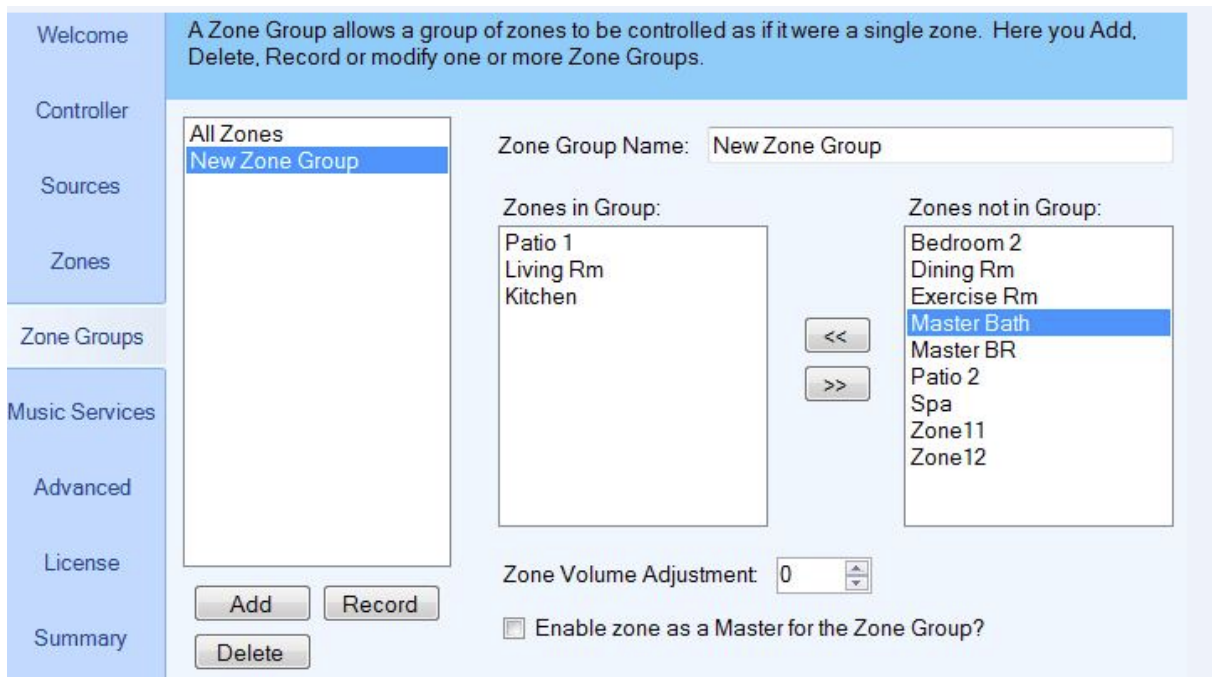
There are two ways you can set up a Zone Group. The first way is to set up the zones in your home the way you want to hear them and then record this using the CasaTunes Setup program. The second way is to go to CasaTunes Setup and manually set up the Zone Group.

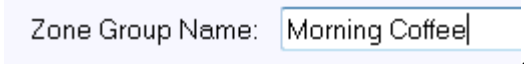
Method 1, Recording the Zone Group

- Open the CasaTunes user interface on a computer in your house.
- Go to the "view all zones" window in the CasaTunes user interface
- Turn on all the zones that you want to be part of the group.
- Change the source for the zones that will be part of the group so that they are all playing the same music.
- Adjust the volume for each of the rooms that will be in the group. Once the Zone Group is set up, the Zone Group control can be used to change the volume in all the rooms in the group, at the same time. They will all change relative to their initial settings, so that they all go up and down in volume together. Usually, you will want to set the initial volumes so that they sound like they are at similar levels when you go from room to room. Don't worry; you can change the relative levels in Setup at any time if you find that you are not happy with this initial setting.
- Make sure that any zones that you don't want in the Zone Group are shown as off in the view all zones window. If you want to record a Zone Group that includes the Patio, Living Room and Kitchen, you should end up with something that looks like this:



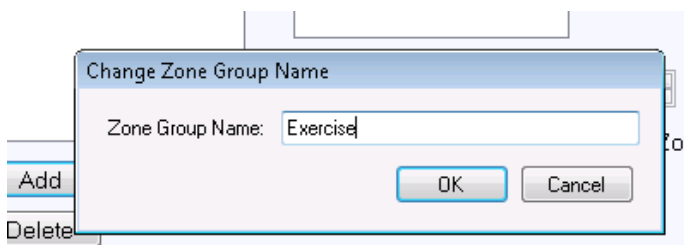
- Open CasaTunes Setup (this should be on your desktop or in the Start menu).
- Click on the Zone Group tab. Click on the Record button. You will create a new group called “New Recorded Group” with all the zones that you selected shown in the “Zones in Group:” section, as shown:



- If you have some hidden zones (zones marked as “hidden” in the Zone tab) and they are on, they will also show up in the “Zones in Group” section. You can remove them by highlighting them and clicking on the >> button. You can add zones you forgot by highlighting them in the “Zones not in Group” section and clicking on the << button.
- In the “Zone Group Name:” line you can change the name to a name that makes sense to you, such as: 
- Click on the “Summary” tab on the left and click on the Finish button to finish recording the group. You will need to refresh your browser to see the new Zone Group in the CasaTunes user interface.

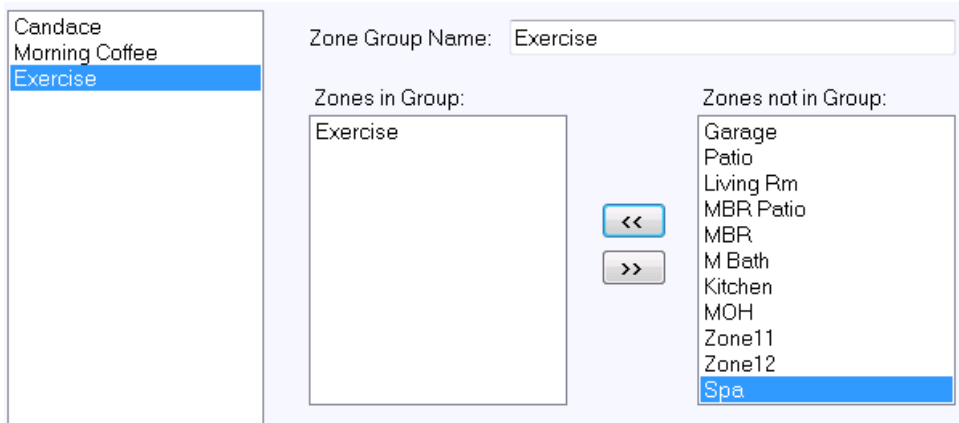
Method 2, Manually Create a Zone Group

- Open CasaTunes Setup, which can usually be found on the desktop or in the Start Menu.
- Click on the Zone Groups tab. We will add a new Zone Group called “Exercise” to the Zone Groups “Candace” and “Morning Coffee”. Click on the “Add” button. In the pop up window, put in the name of the new Zone Group, such as:

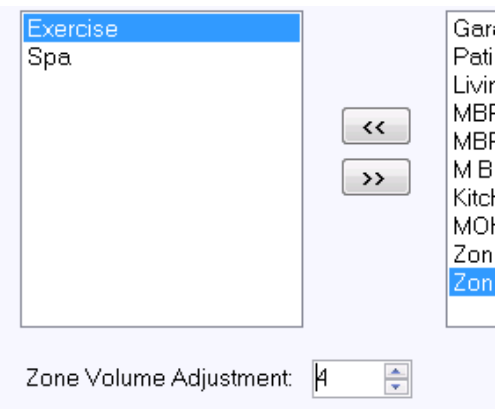


- Click on OK to accept this Group Name.

- In the “Zones not in Group:” section, highlight the zones you want in the Zone Group and click on the << button to add the Zones to the Group. In our example, we will add the Exercise room and the Spa:



- Now adjust the Zone Volume Adjustment so that the zones will have the relative volumes you want when they are adjusted by the Zone Group control. For example, if you want the Exercise room to be slightly louder than the Spa you would highlight the Exercise room and set the Adjustment to 4. This means that when you adjust the Zone Group control in the user interface, both rooms will adjust in volume, but the Exercise room will always be 4 db louder than the Spa:



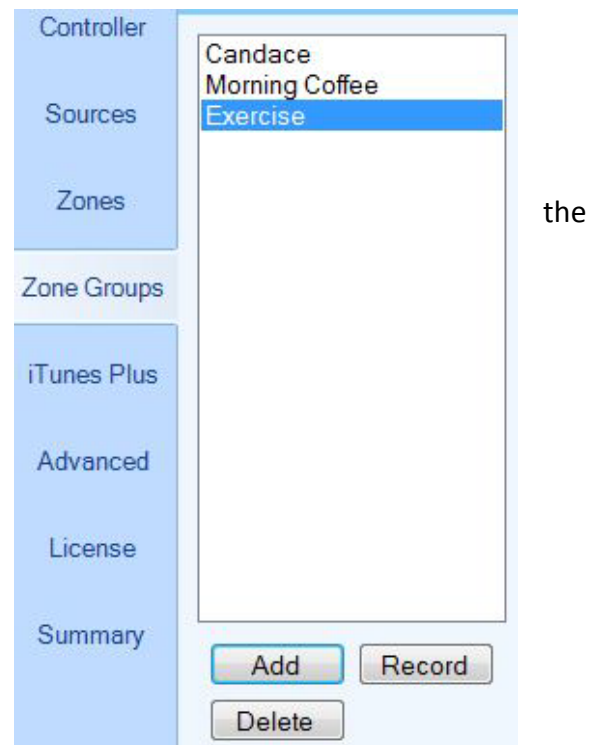
- If you would like to control the Zone Group with a particular zone’s control, you can highlight the Zone and check the “Enable zone as a Master for the Zone Group” checkbox. This could be useful if you are using a CasaTunes Keypad in the Exercise room and want to turn on and control the music in both the Exercise room and the Spa from the keypad in the Exercise room.
- Once you are happy with the Zone Group and have created all the Zone Groups you want (for now), click on the Summary tab and click on the Finish button to finish recording the Zone Group(s) you have created.
- If you have a CasaTunes user interface running in a “view all zones” window, you will need to refresh the browser to see the new Zone Group(s).

Modifying Zone Groups

You can add, modify, or delete Zone Groups at any time. You might wish to delete a Zone Group, change the relative volumes of zones in a Zone Group or add or delete zones from the Zone Group. To add Zone Groups follow the instructions in the previous section.

Delete a Zone Group

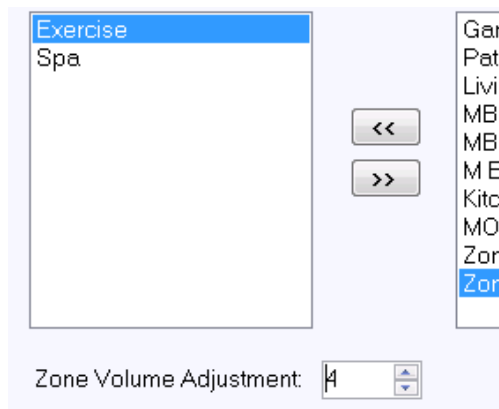
If you wish to Delete a Zone Group, simply open the CasaTunes Setup program, usually located on your desktop or in the Start menu. Click on the Zone Groups tab, highlight the zone you want to delete and click on delete button:



Modify a Zone Group

Modify a Zone Group by opening the CasaTunes Setup program, usually located on your desktop or in the Start menu. Click on the Zone Groups tab and click on the zone you want to modify. You can now

rename the Zone Group by changing the name in . You can add or remove zones from the group by highlighting the names in the “Zone in Group” or “Zones not in Group” sections and clicking the appropriate or button. If a zone in the group is a little lower in volume than the other zones, you can adjust its relative volume by highlighting the zone and changing the value in the Zone Volume Adjustment box:



Also, you can make one any (or all) of the zones in the Zone Group a Master. This is useful if you are using the CasaTunes keypads. Once a Zone in the Zone Group is made a master, you can control all the rooms in the Zone Group from that Zone’s keypad.

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