Amarra Symphony

User Manual

www.sonicstudio.com

Amarra Symphony with IRC User Manual Table of Contents

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Chapter 1.0 ..... Welcome to Amarra Symphony with iRC

Congratulations and welcome to the Amarra family. By now you should have successfully downloaded, installed and activated Amarra Symphony with iRC ('Symphony') and are ready to listen to your music! We have a few short notes to pass along to make your listening experience better.

• If you haven't Installed and Activated Symphony yet, please do the following:

  - Double-click on the Amarra Symphony Installer Package to launch the installer

  - Follow on screen instructions for installation

  - Enter system admin password when prompted

  - Symphony will auto launch as part of installation

• If you have any issues Activating Symphony, please refer to the Amarra Symphony Activation Guide located in your Amarra Symphony folder in Finder. If problems persist, please contact us at support@sonicstudio.com

• Google Translate now provides for translating full documents into local languages. Please visit http://translate.google.com/ , select the desired language to translate to and click on 'translate a document'. It's not a perfect tool, but it may help those who prefer languages other than English

• Always launch Symphony first and let it launch iTunes to ensure proper operation

• If Symphony quits unexpectedly for any reason, please delete your Amarra Symphony Preferences prior to re-launching Symphony. See Appendix B for information on Amarra Symphony Preferences.

•A significant amount of additional information can be found at our support portal and on our FAQ. Please visit our support page at **http://www.sonicstudio.com/amarra/amarrasupport.html** to access these resources.

• Holding the Mouse over any button will display a HelpTip displaying what the button does.

It's time to Enjoy the Music!!

Chapter 2.0 .... Getting Started

This section reviews the initial steps needed to ensure proper operation of Amarra Symphony.

2.1 Connecting to your output device

If you are using and external DAC (Digital to Analog Converter), ensure your device is connected to your Mac, powered on and recognized by the Mac OS by verifying it is listed in Audio Midi Setup or in the Sound item on the System Preferences window prior to launching Amarra Symphony. You can access Audio Midi Setup in the Applications->Utilities folder in Finder.

As an alternative, you can set the output device using the Sound item on the System Preferences window.

Once you've correctly connected the device for sound output, you are ready to launch Amarra Symphony

2.2 Launching Amarra Symphony the First Time

As part of the installation process you will be asked to launch Amarra Symphony. Select 'Yes' when prompted and Amarra Symphony will launch as the installation process completes. You will be asked if you would like to launch iTunes as well.
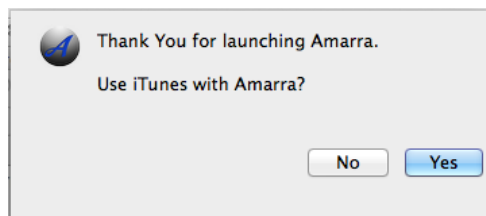
If you'd like to run in Amarra/iTunes mode or use iTunes to select your tracks, select 'Yes' and iTunes will launch. If you'd like to run in Amarra Playlist mode, select 'No' and Amarra Symphony will launch without iTunes.

In addition, Amarra Symphony checks to see if there is an excessive amount of Inactive OS Memory and asks if you'd like to purge the inactive memory. Doing so can improve overall performance, the process takes a short time during which Amarra is unavailable. Click 'Yes' to run this script.
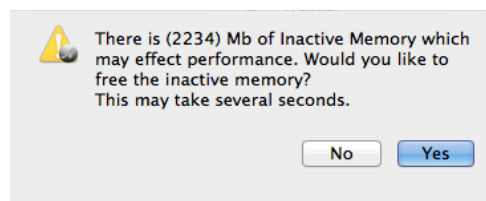
You'll need to enter your system administration password to run the script. Enter User Name and Password in the spaces provided and click 'OK' to purge inactive memory.
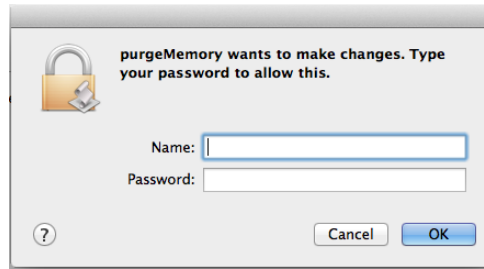
2.3 Launching Symphony Next Time

After initial launch, to launch Symphony in the future, click on the Amarra Symphony icon in your dock or navigate to your Applications->Amarra Symphony 3.0 folder in Finder and double-click on 'Amarra Symphony.app'.

As long as your device is set as the device for sound output in Audio Midi Setup prior to launching Symphony, Symphony should automatically find the device.

2.4 Changing your Output Device

NOTE: We strongly recommend pausing playback when changing output devices to avoid any unwanted consequences.

To change output to a different device, you can use Amarra Symphony's Audio Device Preferences Window. Click the 'I' button on the Amarra Symphony User Interface (UI) to display the Audio Device Preferences window.

Drag the clock icon in the left hand column to your desired device to direct playback to that device. You may have to press the Rescan button at the top of the window for the change to take effect.

In addition, if you plug in a device after Amarra has launched, press the Rescan button to update the list of devices in the ADP window. You can then set the new device as your output device. More details on using the Audio Device Preferences window can be found in "APPENDIX D Audio Device Preferences Window" on page 52.

Chapter 3.0 ....Amarra Symphony User Interface

Amarra Symphony no longer has the vertical UI available. The horizontal user interface is the only UI and is shown below.

Amarra Symphony User Interface

1) Transport Buttons

<<   Go to head of current track, double-click to go to previous track

||/>   Pause/Play button

>>   Go to next track

2) Symphony Volume Slider
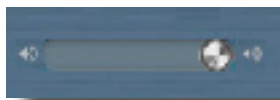
Use to adjust volume for Symphony playback. If you are using external device, we recommend leaving the Symphony volume at full volume (all the way to the right) and use your volume control on your external device to adjust playback volume.

•The speaker icons are hot spots for 0, and -144 dB.

•iTunes and Amarra Symphony Volume are kept in sync.

> **NOTE: You may notice a small delay or echo while the iTunes Volume is being moved.**

3) Symphony UI Window

•Displays Track, Artist and Album Name

•Displays Gain level in dB (0.0dB to -144dB).

•If Cache selected - Displays amount of RAM used to load selected tracks

•Displays file type

•Displays sample rate of current track

•Displays position of Playhead via counter

•If EQ is on - Displays current EQ setting

> **NOTE: If Gain is less than 0.0,dB dithering is enabled if auto-dither is selected in Amarra Symphony Preferences.**

4) Playback Position Slider

•Blue Slider corresponds to current playback position and can be moved either direction to reposition the playhead for playback.

5) Clear Button and Playlist Commands

The Clear Button is visible in Amarra mode and clears any Preloaded Tracks and Cache.

When in Amarra Playlist mode, the following buttons will be displayed. Note these are the same functions found on the Amarra Playlist window and the Amarra->Playlist pulldown menu.
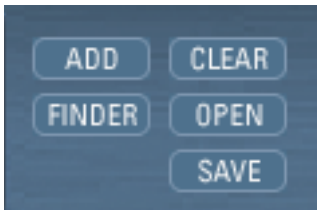
Add: Adds selected tracks from iTunes into your Amarra Playlist

Finder: Opens a Finder window to navigate to and select files to add to an Amarra Playlist

Clear: Clears Playlist. Also clears preloaded tracks when in Amarra mode

Open: Opens a saved Amarra Playlist - clears current playlist

Save: Opens a Finder window to save current Playlist for future recall. See Section 5 for more details on using Amarra Playlists.

6) Artwork window

•Displays available artwork

•Double-click on the Artwork window to open a larger, independent Artwork window

NOTE: Not all tracks contain artwork. Use the Get Album Artwork command in iTunes to get additional artwork.

NOTE: Amarra Symphony stores artwork in your Macintosh HD/Library/Applications Support/Sonic Studio/Artwork folder in Finder. If you are missing artwork, ensure you have proper permissions for this folder.

7) 'M' Button - Turning on Meters

Click to display Sonic Meters in the Symphony UI

8) 'I' Button - Open ADP window

Click to display the Audio Device Preferences Window. The Audio Device Preferences window is used to set your output device when using Streaming Playback mode and when setting output devices independent of Audio Midi Setup.

9) CACHE Button - Turning on CACHE

CACHE

CACHE mode is used to minimize disk access and improve performance by loading tracks into a specified amount of memory prior to beginning playback. All of the disk access is done at once before playback begins instead of loading tracks from disk during playback.

•Available in both Amarra and Playlist modes

•Toggle button to turn Cache On and Off - when turned on, the next track loaded (or many tracks if Preload Tracks is active) will be loaded into Cache prior to beginning playback.

10) Amarra/iTunes Button to toggle between Amarra and iTunes

AMARRA

Indicates the engine being used to playback music from your iTunes library. When the green dot is lit and Amarra is displayed, Amarra is the playback engine playing back your music. When the button displays iTunes in grey, iTunes is playing back your music.

Use this button to exit Playlist mode and go back to Amarra/iTunes mode.

NOTE: A great way to do an A/B comparison between Amarra and iTunes is to simply toggle the Amarra/iTunes button.

11) PLAYLIST Button to enter Playlist mode

PLAYLIST

Clicking on the Playlist button will illuminate a green dot and enters Amarra Playlist mode. When in Amarra Playlist mode, your Amarra Playlist is the source for your music.

Use this button to bring the Amarra Playlist window to the front if hidden behind other windows.

NOTE: When in Playlist Mode, Amarra is ALWAYS playing your music back.

12) TRACKS Button

TRACKS

Active in both Amarra Playlist mode and when using Preload Tracks in Amarra/iTunes mode.

Displays a list of tracks in your Playlist or Preloaded. Tracks are selectable from the TRACKS pulldown list.

13) EQ Button to display EQ window

EQ
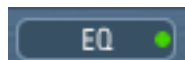
•Turns the Equalizer window on and off.

•Use Option-click to Bypass EQ

NOTE: This button only effects the display of the EQ window. Use the EQ button on the Equalizer to turn the EQ on and off.

14) iRC Button to display iRC Filter Bank

•Turns on and off the Amarra iRC Filter Bank

•When green dot is lit, signifies that an iRC filter is engaged for playback.

15) Preload Tracks Button for Gapless Playback

Toggles the Preload Tracks function on and off

16) LINK Button to link Amarra window to iTunes

Links the Amarra UI to the iTunes window. Move your iTunes window and Amarra will follow.

 NOTE: If you move your Amarra window, iTunes does not follow. This is useful if you need to temporarily separate the windows.

17) Up/Down Arrow Button to display Artwork window

Toggles the Artwork Window display on and off.

Chapter 4.0.....Music Playback from your iTunes library

Playing music from an iTunes library on a recognized disk drive using Amarra is a very simple process. Launch Amarra the first time and you'll be asked if you want to launch iTunes. Select Yes and you will see both the Amarra and iTunes windows appear. Amarra can run with or without Apple's iTunes program. however for new users, we recommend initially using Amarra/ iTunes mode until you become familiar with the other features avaiable in Amarra. This allows you to manage and access all your music through the main iTunes Music Library and get the great sound of Amarra for play back.

You can use iTunes like you always have, select the songs / Playlists and hit the play button on either the iTunes or Amarra Symphony UI. Amarra Symphony will automatically playback any track it can and seamlessly switches to iTunes for playing back of protected files or other files that Amarra may not be able to play back.

NOTE: If you don't see the Amarra window, it is likely behind your iTunes window. Make your iTunes window smaller (or exit Full Screen Mode) and you should find the Amarra window on screen. Use the 'link' button on the Amarra Symphony UI or choose Link Amarra window to iTunes in Amarra Preferences to link the Amarra Symphony and iTunes windows together.

NOTE: Amarra plays most audio file formats including FLAC, MP3, AAC/m4a, Apple Lossless (ALAC), AIFF and WAV files. In addition, Amarra Symphony now supports playback of DSD files of type .dsf and .dff. Amarra does not play some variable bit rate or low bite rate MP3 files.

You can verify that Amarra Symphony is playing back your music by seeing the Amarra button with the green dot lit on the Amarra Symphony UI. If the button has turned grey and displays 'iTunes', it means that Amarra Symphony has passed control to iTunes for playback of the current track. Amarra Symphony will automatically take over playback on the next track that it can play back.

Amarra Symphony with iTunes

4.1 Navigating within a Track

There are many ways to navigate within a track. Once you've started playback, you can:

 • Use the Transport buttons to Play/Pause and move to the next track, beginning of current track or previous track

 • The blue Playhead slider in the Amarra UI is a song position slider that corresponds to the current location of playback within a track. Drag the slider left or right to change the playback position within a track

 •Use the iTunes Playhead slider to move to a different location in the current track.

 •Modify the Time Display in the Amarra UI

> • Pause playback
>
> • Double-click on the Time element you want to modify.
>
>> •Type in a new value and hit Return
>>
>>> or
>>
>> • Click on a time element and drag your mouse left/right or up/down to modify
>
> • Click Return to save the new setting
>
> • Hit the Space bar or Play button to continue playback from the new location.

NOTE: KEYBOARD SHORTCUTS - Use the following key commands in place of menu commands.

Cmd+5, 6	Previous Track/Next Track
Cmd + 8,9	Down/Up Volume
Cmd + ,	Opens Preferences Window
Cmd + H	Hide Amarra
Cmd + Option + H	Hide Others
Cmd + Q	Quit Amarra

File Menu

Cmd + 1	Toggle Amarra/iTunes for Playback
Cmd + 2	Toggles Playlist for Playback
Option + C	Clears Tracks
Cmd + Option + M	Mute
Cmd + E	Eject Disk

Playlist Menu

Cmd + Shift + I	Add Tracks from iTunes
Cmd + O	Add Tracks from Finder
Cmd + Option + C	Clear Tracks
Option + P	Opens Playlist Window

Desk Menu

Cmd + Option + M	Mute
Cmd + Option + C	Toggles Cache On/Off

Windows Menu

Option + A	Opens Amarra Window
Option + I	Opens iTunes Window
Option + P	Opens Playlist Window
Option + E	Open EQ Window
Option + R	Opens Sonic IRC window

Chapter 5.0 Additional Features to Further Improve your Sound

Efficiency is key to getting great sound from a computer music player and Amarra Symphony is purpose built to deliver as good a signal as possible to your output device. This results in the great sound you hear with Amarra Symphony right from the start. That said, Amarra Symphony also has many features that can be used to further improve your sound. The following sections review the additional features and what they do to improve sound.

> **NOTE: There are many suggestions on our FAQ for configuring your Mac for best performance.   Please visit our website for access to the FAQ.**

5.1 Setting up your Mac for optimum performance

One of the addtions to Amarra Symphony is a MacOSX Optimization script designed to allow you to choose some Operating System and System Application settings that may improve the overall performance of your Mac during Playback. The script is located in your Amarra Symphony->Extras folder in Finder and when launched, displays the following window.

> **NOTE: Although we recommend Disable All for best performance, please ensure you are familiar with Mac OS and System Application operation prior to using the MacOSX Optimization Script.**
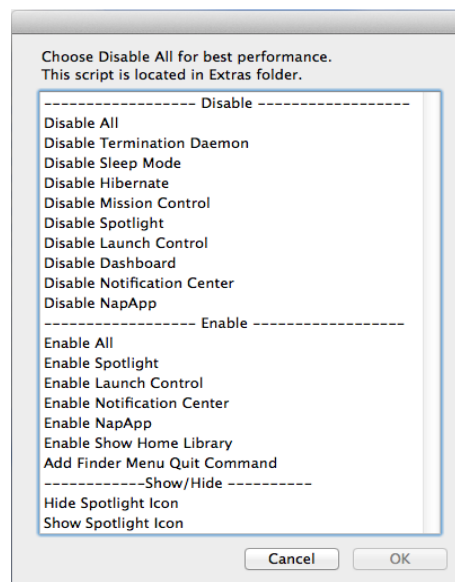
MacOSX Optimization Script

In addition to using the MacOS Optimization Script, we also recommend the following for best sound quality.

   • Use CACHE Mode and select Memory Amount to about 1/3 to 1/2 of available memory, up to 3Gb.

   • Load your Tracks into an Amarra Playlist and Quit iTunes.

   • In Amarra Preferences select Gain Bypass and use your external device for volume control

   • In Amarra Preferences, select EQ Bypass if not using any EQ settings

   • From the Amarra->File->Extras pulldown menu, select Quit/Launch Finder to quit Finder

   • If you are presented with a dialog box to Purge Inactive Memory, always click 'Yes'. The process takes a moment before play back is available again.

5.2 Amarra Playlists
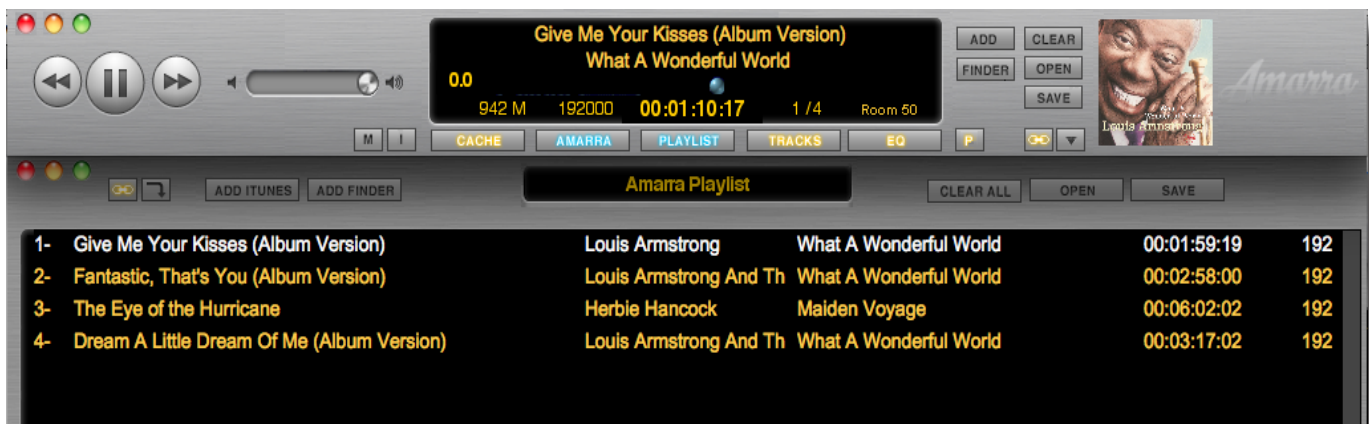
Amarra Symphony and Playlist windows

Using Amarra Playlists provides several benefits including:

• Processing your music more efficiently than in Amarra/iTunes mode resulting in better sound quality

*Ability to run independently of iTunes

• Ability to play FLAC files natively, no conversion needed

5.2.1 General Information about Amarra Playlists

• You can load tracks of different sample rates and different file types into the same Playlist without issue.

• Tracks can reside in more than one Playlist.

• Amarra Symphony only stores a pointer and some other information about the file, it does not make an additional copy of the file when adding to a Playlist

• If you move your tracks to another location on your disk, you will need to re-do your Amarra Playlists

• Commands for Amarra Playlists can be accessed from the Amarra UI, the Amarra Playlist UI or from the Amarra Symphony->Playlist pulldown menu.

•You will only be able to load tracks into an Amarra Playlist that Symphony can play back in the current configuration. If you get a 'sample rate not supported' message, please check to make sure your Mac, interface and DAC all support the sample rate of the track being loaded.

•You can also use a drag/drop method of loading tracks, including saved Amarra Playlists, into your Amarra Playlist from either your iTunes library or a Finder window.

5.2.2 Amarra Playlist Window

Amarra Playlist mode provides an additional, independent Playlist window (optional) to manage your Amarra Playlists. Here are some new buttons on the Amarra Playlist window to be aware of.

The Playlist Display window: Playlist Name Here
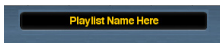
The name of your currently loaded playlist is listed in the center window of your Amarra Playlist. The default name is 'Amarra Playlist'

The Link Button:

This button links the Amarra window to the Amarra Playlist window. As you move the Amarra window, the Playlist window will follow.

T**he Repeat Playlist Button:**

This button has 2 states and determines what Amarra should do at the end of a Playlist.

Stop at end of Playlist:

Repeat Playlist:

All other buttons on the Amarra Playlist UI have the same function as on the Amarra UI.

5.2.3 ENTERING PLAYLIST MODE

Entering Playlist mode is easy. Simply press the Playlist button on the Amarra UI. The button will display a green dot and typically the Playlist window is displayed. If you do not see the Playlist window, click on the Amarra->Windows->Playlist pull down menu item at the top of the screen.

The PLAYLIST BUTTON: PLAYLIST

5.2.4 LOADING TRACKS INTO A PLAYLIST

There are 2 ways to load new tracks into an Amarra Playlist - selecting tracks from your iTunes library or selecting tracks via Finder.

The ADD Button: ADD

To select tracks via your iTunes library, please do the following:

• Bring your iTunes window to the front and select the desired tracks in iTunes. You can use the command key and shift key to select individual tracks or a range of tracks.

• Click on the Amarra UI to bring Amarra to the front

• Click on the "ADD" button. The selected tracks in iTunes will load into your Amarra Playlist.

The FINDER Button: FINDER

To select tracks using the Finder, please do the following:

• Click on the Finder button on the Amarra UI

• Navigate to the tracks you'd like to load in the resulting Finder window.

* Highlight the desired tracks and click 'Open' to add the tracks to your Amarra Playlist

NOTE: Native FLAC File Playback: Use the Finder button to load your FLAC files natively into an Amarra Playlist. Navigate to your desired FLAC files, select and click 'Open' to add to your Playlist.

5.2.5 USING YOUR AMARRA PLAYLIST

Choosing Tracks in your Playlist

You can select tracks in your Playlist by doing the following:

• Select the track with your cursor and hit Play

• Use the up or down arrow to move up and down in the Playlist

• Use the >> and << Transport buttons on the Amarra UI to move to the next track, to the head of current track or to the previous track

You can also use the Tracks Button to see the list of tracks loaded and to select a desired Track

The TRACKS BUTTON:

Deleting Tracks

You can delete a track in the current Playlist by highlighting the track and hitting the Delete Key on your keyboard

Moving Tracks

You can move tracks up and down in the current playlist by highlighting the track and holding the mouse key down. You will see a white line that you can move around in the Playlist and it indicates where the file will be placed when dropped. Release the mouse to drop the file in place. It will take Amarra a moment to rebuild the Playlist so please be patient.

5.2.6 SAVING A PLAYLIST FOR FUTURE RECALL

You can Save your Amarra Playlist for recall at a future time by using the Save button on the Amarra UI, on the Amarra Playlist UI or from the Amarra->Playlist pulldown menu.

The SAVE Button: [SAVE]

- Press the Save button

- Set the desired name for the Playlist

- Click the Where pulldown item to navigate to the desired location for your Playlist

- Saving a Playlist with the same name and location will overwrite the existing Playlist

5.2.7 OPENING AN EXISTING PLAYLIST

You can recall an existing Amarra Playlist in one of 2 ways. You can either use the Open Button on the Amarra UI or drag/drop an existing Playlist into the Amarra Playlist Window.

The Open Button: [OPEN]

- Click on this button to access a Finder window.

- Navigate to your saved Playlist and click Open to load into Amarra Playlists

OR

- Drag/Drop an existing Playlist from the Finder window into the Amarra Playlist Window.

NOTE: Loading a new Playlist will clear any tracks currently in your Amarra Playlist.

5.2.8 CLEARING YOUR PLAYLIST

To clear the contents of your current Playlist simply click on the Clear Button:

The Clear or Clear All Button: [CLEAR] [CLEAR ALL]

- Click on either button to clear the current contents of your Amarra Playlist

- The Clear button also clears any Preloaded Tracks in Amarra mode.

5.3 CACHE Mode

The 'CACHE' Button: CACHE

 Cache mode pre-loads songs into RAM to minimize disk access resulting in better sound quality. Cache can be used in Amarra/iTunes or Amarra Playlist Mode. Simply click on the 'C' button on the Amarra UI prior to loading your tracks. The button will display a green dot to signify that CACHE mode is engaged. Amarra will first load your tracks into RAM and then begin playback.

 The amount of RAM used for loading your tracks is displayed in the Amarra UI Window. Choose the amount of RAM to use for CACHE Playback via the Amarra Preferences window, Memory Amount item.

Note: Currently Amarra will load a max of 2.8 Gb into Cache, typically between 2.6-2.8Gb depending on the track being loaded. Amarra will only load complete tracks into CACHE. We recommend setting Memory Amount to 1/3 to 1/2 of the available RAM on your machine for best performance.

5.4 Amarra Symphony EQ

Note: Amarra Symphony Users also have access to the Sonic Mastering EQ via the Amarra Preferences window. Please see Appendix C for details on the Sonic Mastering EQ

This section presents an overview of the Amarra EQ. Use the Amarra EQ to alter the sonic characteristics of the sound. Amarra provides three parametric filters to tailor your sound. All processing is done using 64bit floating point arithmetic. The parametric filters are classic, three parameter versions, with Resonant Frequency, gain, and Q.

Q or Quality Factor is defined as the resonant frequency, or center frequency in the case of a symmetrical filter, divided by the bandwidth. The bandwidth is, in turn, defined as the one or two frequencies at which the filter response is 3 dB up or down from unity gain.

Expressing the width of a filter as a Quality Factor, rather than bandwidth, provides a more intuitive sense of the filter's subjective "sound," since the same value of Q will produce different bandwidths at different frequencies. The higher the frequency, the wider the bandwidth will be for a given Q value, which roughly corresponds to our auditory mechanism's ability to perceive a filter's action. As an example, a parametric filter with a Q of 1 has a bandwidth of 100 Hz when its center frequency is set to 100 Hz but, it has a bandwidth of 1000 Hz when the center frequency is set to 1000 Hz.

Using the EQ takes 2 steps - first display the EQ window and then turn the Equalizer itself on.
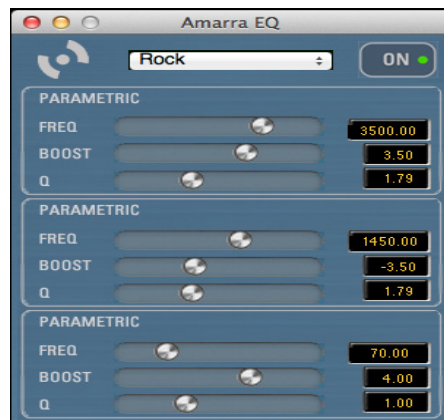
Amarra EQ Window

5.4.1 Displaying the EQ Window

Click on the EQ button on the Amarra UI, below the center window. Use Option-Click on the EQ button to bypass the EQ.

5.4.2 Turning the EQ On

Either click on the EQ button in the Amarra EQ window or choose one of the many presets available from the pulldown menu.

5.4.3 Adjusting EQ

Choose one of the presets available or manually adjust the values in any of the 3 parametric filters by either moving the appropriate slider or typing the value in for Frequency, Gain and Q factor.

5.4.4 Setting Amarra EQ via iTunes

• Select the 'Link Amarra EQ to iTunes EQ' in Amarra Symphony Preferences

• Either set the iTunes global EQ or Select a Track in iTunes and using "Get Info" select the "Options" Tab and set the EQ Preset. Amarra EQ will follow the iTunes EQ presets.

> **NOTE: You can use the Amarra Symphony Preference 'EQ Bypass' to bypass any EQ processing by Amarra during playback.**

> **Note: The iTunes EQ is typically 'On' by default which may effect playback even if the 'Link Amarra EQ to iTunes EQ' preference is not selected. We recommend turning the iTunes EQ 'Off' unless specifically using the iTunes EQ. The iTunes EQ can be accessed from the iTunes->Windows menu.**

5.4.5 Saving and Recalling EQ Settings

The Amarra->Desk menu items allows you to save and recall your EQ settings.

• Set your EQ Settings

• Go to the Desk menu and select Save Sonic EQ Setup to save your settings

• Use Open Sonic EQ Setup to open an existing EQ saved setting

• To save a new 'DEFAULT' setting:

    • Set the EQ Preset menu to Default

    • Make your desired adjustments to the Freq, dB and Q parameters

    • From the Amarra->Desk pulldown menu, click on 'Save as Default'

• If you quit with the Default EQ setting set, next time you launch, those values will be automatically recalled

> **NOTE: You will need to make the EQ the Active Window for the Amarra Desk menu items to be accessible. Click on the top bar of the Amarra EQ Window to make the Amarra EQ Window active.**

Chapter 6.0... Playing FLAC Files

Amarra Symphony provides 2 means of playing back FLAC files - natively from an Amarra Playlist and a converted file in your iTunes library. In addition, Amarra has built-in FLAC to AIFF file conversion to allow easy integration with your iTunes Library.

Why convert FLAC to AIFF?

- Easy integration with iTunes

- Integration with iTunes Metadata

- Integration with Apple Remote

- Simplified ease of us (convert and forget)

- Less overhead on system resources.

6.1 Playing FLAC Files Natively via Amarra Playlists

Amarra provides for FLAC file playback natively via the PLAYLIST function, without using iTunes. To playback FLAC Files via Amarra Playlists, do the following:

• Obtain your music in FLAC format from one or more of a variety of providers such as HD Tracks among others. As part of the download process, please note where your music is being downloaded to. Once the download completes (this may take some time depending on the number and size of the tracks being downloaded), move on to the next step.

• Go into Playlist Mode (see chapter 5.1 about using Playlists). You can either Drag/Drop your FLAC Files into the Playlist window, use the Finder button in either the Amarra UI or the Playlist UI or select Open Tracks via Finder from the Amarra Symphony->Playlist pulldown menu.

If using the Finder window

• Navigate to your FLAC files, highlight the desired tracks.

Note: The Finder window supports both the shift and command keys for making multiple selections.

•Once you are done making your selection(s), click on the Open button to add the files to your playlist. Continue adding songs until you are satisfied with your playlist. Select File > Save Playlist to save your playlist, giving it a meaningful name and saving it in a memorable location.

• To play your playlist, just click on Amarra's Play button. You can skip forward and back in the playlist by using the forward and back buttons, using the Tracks list or by clicking on the desired track in the Playlist window.

6.2 Playing FLAC Files from iTunes

iTunes does not natively support Flac Files. Your files will need to be converted to a format supported by iTunes in order to be loaded into your iTunes library. Under the Amarra Symphony->FILE Menu there are two commands available for this function. You can convert a FLAC File to AIFF or convert an entire FLAC Folder of Music to AIFF such as an album from a high resolution music download site.

6.2.1 Converting a FLAC Folder to AIFF Format

Converting a FLAC Folder to AIFF is an easy process

• Click on the Amarra Symphony->File pulldown menu at the top of the screen and select Convert FLAC Folder to AIFF

• In the resulting Finder window, navigate to and select the folder containing FLAC files you want to convert and click Open.

• In the next window, specify the destination folder for the new AIFF files. You can create a temporary folder for this or choose an existing folder for your new AIFF files. Click Open when done.

• Lastly, you will have the opportunity to automatically add these files to iTunes and create a playlist using the dialog below.
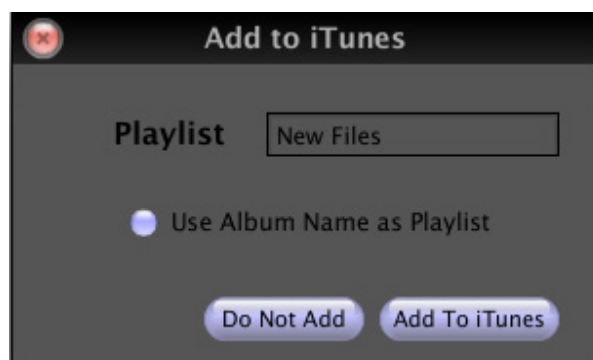
This will copy (and organize if your iTunes Preferences are set) with your iTunes library.

6.2.2 Converting FLAC Files to AIFF Format

Converting a FLAC FILE to AIFF is an easy process

   • Click on the Amarra Symphony->File->Convert FLAC FILE to AIFF

   • In the resulting Finder window, navigate to and select one or more FLAC files to convert and click Open

   • In the next window, specify the destination folder for the new AIFF files.

   • Lastly, you will have the opportunity to again, automatically add these files to iTunes and create a playlist.

NOTE: Converting FLAC Folders and Files to AIFF using Amarra is a non-destructive process. Your original FLAC files will remain intact and you will also have new AIFF files. We recommend copying your FLAC files off to your backup drive for retrieval in case of emergency. Use your AIFF files for day-to-day playback. This setup will provide better sound quality during playback and minimize the amount of space needed for backups.

6.2.3 Aborting FLAC Conversions

If you have any reason to terminate a current or pending FLAC File or Folder conversion prior to completion, you can abort all current and pending conversions by clicking on Amarra->File->Abort FLAC Conversions. You will be asked to confirm your selection as part of the process.
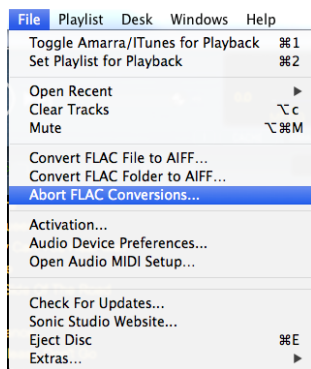
Abort current and pending FLAC Conversions
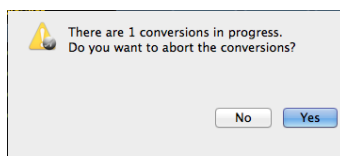
Confirm Selection

Chapter 7.0.. Gapless Playback

Gapless playback is perfect for contiguous performances such as symphonic recordings or live, continuous performances. Gapless playback is now available in both Amarra/iTunes mode and in Amarra Playlist mode however there are some minor differences between how gapless playback is provided in each mode.

NOTE: Uncompressed files are required for Gapless Playback. Use AIFF, WAV, or BWF files

NOTE: Preload Tracks is specifically designed for gapless playback in Amarra/iTunes mode. Using Preload Tracks to load tracks not part of a gapless performance into an Amarra Playlist may lead to unexpected results. We recommend disabling Preload Tracks,select the desired tracks in ITunes and click the ADD button on the Amarra UI in Playlist mode.

7.1 Gapless Playback in Amarra/iTunes Mode

To enable Gapless Playback in Amarra/iTunes Mode:

• Select the Amarra Symphony Preference setting for PRELOAD TRACKS and set the COUNT parameter to the desired number of tracks (or a full album) in the gapless performance.

NOTE: We highly recommend only using Preload Tracks when loading an entire gapless album.

• Ensure your iTunes library is sorted in the correct order for the gapless performance when viewing your library from the SONG tab.
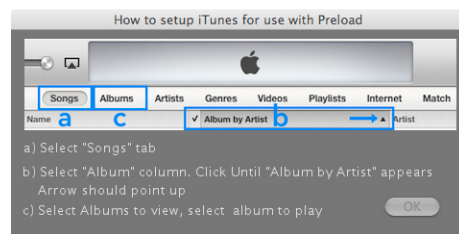
Setting up iTunes for Preloading a Gapless Album

• Choose a track in iTunes and the number of tracks in the COUNT field will be loaded together, based on current sort order, and played back. Those tracks that are part of a true gapless performance will be played back without a gap.

NOTE: The sort order of your iTunes library is critical for gapless playback, especially loading a full album. Please ensure your iTunes library is sorted in the correct order when on the Songs tab prior to attempting to Preload Tracks. For best performance, when Preloading an Album, sort your iTunes library by 'Artist by Album'. We recommend only using Preload Tracks with the Count field set to Album.

NOTE: Please ensure that you have disabled SHUFFLE mode in iTunes when using PRELOAD TRACKS in Amarra

7.2 Gapless Playback in Amarra Playlist mode

 Using Amarra Playlists makes it very easy to have gapless playback. Amarra Symphomy will attempt to play all tracks in an Amarra Playlist gaplessly as long as the sample rate is the same. DO NOT select Preload Tracks when using Amarra Playlist mode, using Preload Tracks in Amarra Playlist mode may produce unexpected results. To load several tracks or an album that is not gapless, use the Add/Finder buttons in the Amarra Symphony UI or Playlist window, or drag/drop your selected tracks into an Amarra Playlist.

Note: Gapless Playback is designed to work with true gapless performances such as symphonic recordings, live performances and recordings that were mastered as gapless. Gapless playback is not a substitute for mixing independent tracks together.

Note: To load an Album into an Amarra Playlist, do the following:
- Disable Preload Tracks
- From the songs tab in iTunes, sort your library by 'Album by Artist'.
- In iTunes, move to the Album tab.
- Select the album you'd like to load into your Amarra Playlist.
- Click the Playlist button to go into Amarra Playlist mode.
- Click the 'Add' button, the entire album will be loaded into your Playlist.

Chapter 8.0 .... Audio Playback from Streaming Sources

Amarra Symphony introduces another new capability, the ability to playbck audio from streaming sources such as Pandora™, Internet Radio, Spotify™, and YouTube™ among others.

*NOTE : **We strongly recommend that you run either Amarra Symphony or Amarra sQ but not both at the same time to avoid any playback issues between the two applications.***

*NOTE : **If you purchase Amarra sQ during a trial, you will need to wait until either the trial is over to install your permanent license or wait until prompted to install your permanent license when launching Amarra sQ.***

8.1 Installing Amarra sQ

To install Amarra sQ, please click on the Amarra_sQ_Installer.pkg. You can download the Installer from:

http://www.sonicstudio.com/sonic/support/sonic_support#DOWNLOAD

Follow the on-screen instructions to install your software.

You may uninstall the Amarra sQ as follows

Run Uninstall AmarraSQ.app. This will remove all components installed.

8.2 Launching, Licensing and Using Amarra sQ

There are two methods for licensing Amarra sQ:

1. **Trial Mode**: Free 15 day full-function trial.

2. **Permanent Activation**: You are delivered an Activation Code after purchase.

Learn: For your security and convenience, an iLok Account is required to use or try Amarra sQ. Your personal account is free, secure and takes just a few minutes to set up.

Amarra sQ software is protected with PACE Anti-Piracy's InterLok copy protection. Learn more at **iLok.com.**

Your Amarra sQ license is authorized on your Mac via 'Machine License' or iLok2 USB Smart Key.

Please refer to the Amarra sQ User Manual for detailed instructions for launching, licensing and using Amarra sQ in both trial mode and after permanent activation. The Amarra sQ User Manual can be found at the link below:

Amarra sQ User Manual

Chapter 9.0............Sonic Studio iRC - Impulse Response Correction

NOTE: New purchases of Amarra Symphony with iRC v2.6 and all newer versions include the Sonic Studio iRC feature.

Amarra Symphony 2.5.1 and previous version upgrades to Amarra Symphony 2.6 do not include the Sonic Studio iRC feature. An upgrade to add this feature to your copy of Amarra Symphony is available on our online store.

NOTE: You will need an omnidirectional full-bandwidth measurement microphone. We recommend that the frequency response is within ± 1 dB in the area of the speaker's frequency response range. Failure to use a recommended microphone may result in false measurement information.

The XTZ Microphone Pro from XTZ Audio is a cost efficient microphone kit that we recommend. Other recommended mics can be found in our FAQ.

The listening room is usually the weakest link of any sound system. Loudspeakers have been designed for a certain placement in a room, but in an imperfect environment, performance suffers and it's impossible get the full benefit from your DAC, amp and speaker investment. Imaging, clarity, and bass tightness are all affected by the limitations imposed by your listening room, and the result is that your listening experience can be significantly diminished.

Amarra Symphony now includes Sonic Studio iRC Impulse Response Correction capability. This leading-edge room correction technology is designed to optimize the sound of your system in your environment and to your taste.

Sonic Studio iRC measures the acoustic characteristics of your loudspeakers within your listening environment and then optimizes for timing, phase and frequency anomalies imposed by your room. The result is massively improved imaging and sound staging because now your room will be working with your sound system, not against it.

Using Sonic Studio iRC is a 2 step process. First, measure and calibrate your listening environment using the iRC Measure calibration tool and create filter files (.filter suffix) for your specific needs. The second is to load the filter files into the Sonic Studio iRC filter bank in Amarra Symphony for use during play back.

9.1 Using iRC Measure to Measure your Listening Environment

The iRC Measure application (iRC Measure.app) is installed as part of the Amarra Symphony standard installation and can be found in your Applications->Amarra Symphony folder in Finder. Please refer to the Sonic Studio iRC User Manual for details on installing and using the iRC Measure application. The manual can be found in your Amarra Symphony folder.

9.2 Using Sonic Studio iRC to use the Filter Files created

Filter sets created by the iRC Measure application must be loaded into Sonic Studio iRC filter bank. The Sonic Studio iRC filter bank window is accessed by pressing the iRC button on the Amarra Symphony User Interface.

Pressing the button will launch the Sonic Studio iRC application, check for a valid license and display the Sonic Studio iRC filter bank (see image below). Remember to click the On/Off button on the filter bank to turn processing on and off.

NOTE: Filter names in the Sonic Studio iRC window will be set automatically according to the 'yournamehere.filter' filename in Finder

Sonic Studio iRC filter bank

The SSiRC filter bank has four (4) pre-selection slots where filter files can be loaded for quick selection. To load a filter file into an empty slot:

Page 33

• Double-Click on an empty filter slot. This opens a Finder dialog where you can navigate to the folder where you stored your filter files using the iRC Measure application.

• Select the filter file that you want to load from the popup Finder window.

• Adjust Gain to an appropriate level for the filter you are using by typing a value in the box provided.

NOTE: A value of 0.0 dB is full volume, positive numbers increase gain, negative numbers decrease gain. Putting a value above 0.0 in the gain field will increase your output signal, be careful when setting gain to avoid potential damage to your equipment.

Listen to the result of applying the loaded filters by doing the following:

• Play a track through Amarra Symphony.

• Turn on the Sonic Studio iRC filter bank by pressing the on/off button until it reads On in blue.

• Switch between loaded filters by clicking the corresponding filter slot. The active filter slot has a blue indicator.

Note: Deleting Amarra Preferences will delete your pre-selected filters from Sonic Studio iRC, they will need to be reloaded.

Chapter 10..Meters Display

Amarra Symphony employs a high precision metering section to visibly display the audio signal. Select the "M" button to show the Meters.

Amarra Symphony Track Area with Meters displayed

Note: Meters will not be displayed when the 'Bypass EQ' Preference is selected

Chapter 11...Full Sonic EQ

Select the Amarra Symphony Preference 'Full Sonic EQ' to enable the advanced, full 4-band Equalizer. The Full Sonic EQ Preference changes the Equalizer from the Amarra EQ Window to the Full Sonic EQ window. A restart is required for this option to engage.

Full Sonic EQ has Full 4-Band EQ. Types supported include : Notch, Low Pass, High Pass, and many more.

Global Sonic EQ Window

Chapter 12... Panner Window

Amarra Symphony has a stereo panner that can be used to route the output with variable gain. To open the panner select Amarra Symphony->File-> Panner, which brings up the Panner window.

The Panner in Stereo mode

By default, the panner opens in off mode. In the upper left corner, the channel to which the panner currently applies is indicated. As this Track indicator is also a drop down menu, it operates as a Strip selector for the panner as well.

Chapter 13........Licensing 2 machines with your Amarra Symphony License

Amarra Symphony allows for 2 machines to be activated with the same license. To activate Amarra Symphony on two machines, please do the following:

Machine 1

- Download and launch the Amarra Symphony Installer on Machine 1

- Choose Easy Setup

- Select 'Yes' when asked to launch Amarra Symphony

- Click Activate to access the Activation Window

- Enter Your Activation Code, email address and create your own password up to 16 characters long and enter in the spaces provided.

- Click ACTIVATE to activate your copy of Amarra Symphony on Machine 1.

Machine 2

- Download and launch the Amarra Symphony Installer on Machine 2

- Choose Easy Setup

- Select 'Yes' when asked to launch Amarra

- Click Activate to access the Activation Window

- Enter Your Activation Code, email address and the password created for machine 1 in the spaces provided

- Click ACTIVATE to continue the process on Machine 2.

- You will be asked to enter a new password for Machine 2. Enter in a new, unused password up to 16 characters in length. You should get a message that your software has been activated and should not have any issues moving forward.

Note: Your password is attached to your license, not your computer. The password created on machine 2 will become the active password for your license should you need to activate any machine in the future.

Chapter 14 Registering Your Amarra Symphony with iRC Software

In order to receive warranty service, you must register your product with Sonic Studio. This may be done at any time with proof-of-purchase. We strongly recommend that you register with Sonic Studio as soon as you purchase your unit.

Why?

1. Your product will be registered with us.

Registration is used as proof of ownership if your product is ever lost or stolen.

2. Sonic Studio updates Amarra Symphony software on a regular basis.

This allows us to keep you informed of updates as they become available.

We strongly encourage you to create a License Control Panel Account. Please read the Amarra Symphony Activation Guide for information on this important feature.

Please register your Amarra Symphony software using our automated registration Web page at: http://www.sonicstudio.com and click on Support => Register

Alternatively, our mail address is:

Sonic Studio, LLC

Amarra Software Registration

1340 Mission Street

San Francisco, CA USA 94103

If you encounter issues using Amarra Symphony please refer to our Amarra Support Portal at http://www.sonicstudio.com/amarra/amarrasupportportal.html. If none of these steps address your problem please contact your dealer or Sonic Studio support for more help.

Chapter 15..............................Contacting Sonic Studio

Thanks for using Amarra Symphony. We really appreciate your patronage and are always interested in your experiences with Amarra Symphony.

For information on problems, resources please visit our FAQ page

http://www.sonicstudio.com/amarra/amarrafaq.html

For bug reports and support issues, visit:

http://www.sonicstudio.com/amarra/amarrasupport.html

or email us:

support@sonicstudio.com

To suggest new features for our products, e–mail us at **mailto:support@sonicstudio.com**

APPENDIX A...........Amarra Symphony Pulldown Menus

The following section describes the Amarra Symphony Pulldown Menu Items

Amarra Symphony Menu Bar

A.1 Amarra Symphony Pulldown Menu

About Amarra: Opens the modal About window. This is useful for verifying the version number of Amarra Symphony that you are running. Click anywhere in the window to close it.

Preferences: Opens the Preference window for Amarra Symphony.

Services: This menu proves access to any Services that are available to Amarra Symphony.
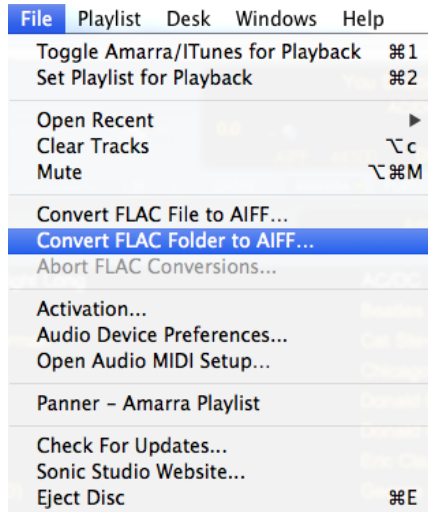
Hide Amarra: Hides all Amarra Symphony windows. To reveal the windows, click on the Dock icon or tap the ,+tab key to cycle through running applications to select Amarra Symphony.

Hide Others: Hides all windows other than Symphony.

Show All: Reveals all windows.

Quit Amarra: Quits Amarra Symphony.

A.2 File Pulldown Menu

Toggle Amarra/iTunes Playback [cmd+1]: Toggles between Amarra Symphony and ITunes engine for playback in Amarra/iTunes mode. N/A in Amarra Playlist mode

Set Playlist for Playback: [cmd+2]: Sets Amarra Symphony's Playlist as the source for playback

Open Recent: List of Recent Amarra Playlists for easy access

Clear Tracks: Clears Tracks from either Amarra Playlist or Preloaded Tracks

Mute: Mutes Amarra Symphony

Convert FLAC File to AIFF... : Convert FLAC Files to AIFF Format - see chapter 6 for details

Convert FLAC Folder to AIFF... : Convert FLAC Folder to AIFF Format - see chapter 6 for details

Abort FLAC Conversions...: Aborts any active and pending FLAC file or folder conversions

Activation...: Opens the Activation Window, refer to the Amarra Activation Guide for more information about Activating Amarra Symphony

Audio Device Preferences...: Opens the Audio Device Preferences for managing your DAC

Open Audio Midi Setup...: Open the Audio Midi Setup window for setting up your DAC

Panner - Amarra Playlist: Opens the Amarra Panner Window

Open Sonic Studio Process...: Opens Sonic Studio Process for Sample Rate Conversion
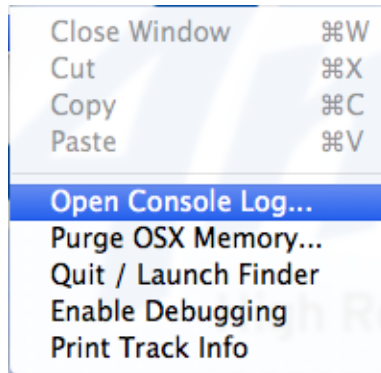
Check for Updates...: Manually checks for availability of new versions of Amarra Symphony. Setting the Amarra Symphony Preferences - Check for Updates on Launch will automate this

Sonic Studio Website...: Links back to the Sonic Studio Website

Eject Disk...: Ejects CD from tray

Extras...: Accesses additional features of Amarra

A.3 Extras: submenu

Close Window: NA

Cut: NA

Copy: NA

Paste: NA

Open Console Log: Opens the Console Application to view the Amarra console log (in Utilities Folder).

Purge OSX Memory: Purges Inactivate OSX Memory to improve overall performance. This is checked each time Amarra is launched. When purging inactive memory, Amarra is temporarily unavailable.

Quit/Launch Finder: Quits and launches the Finder Application

Enable Debugging: Allows Amarra to log information on its operation to the Console Log.

Print Track Info: Prints track information to the Console log. When using Preload Tracks, prints track information for all preloaded tracks.

A.4 Playlist Pulldown Menu
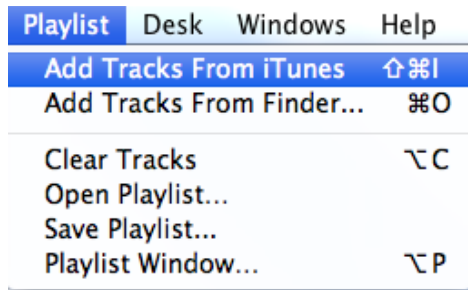
Add Tracks From iTunes [shft+cmd+i]: Adds tracks selected in iTunes into Playlist

Add Tracks from Finder [cmd+o]: Select and add audio tracks from the Mac Finder.

Clear Tracks: Clears the current Playlist or when used in Amarra/iTunes mode, clears any Preloaded Tracks

Open Playlist...: Open an existing Amarra Playlist

Save Playlist...: Saves a Playlist to disk for later recall

Playlist Window...: Opens the Amarra Playlist window

A.5 Desk Window
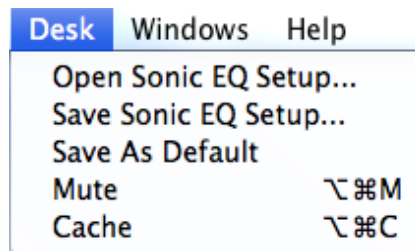
Open Sonic EQ Setup...: Allows you open a previously-saved Sonic EQ Setup.
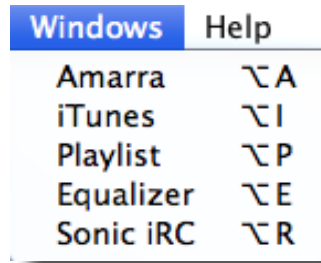
Save Sonic EQ Setup: Allows you to save the current (open) Sonic EQ Setup.

Save As Default: Save the current (open) Sonic EQ Setup as the Default EQ. The Sonic EQ Setup will be recalled on launch.

Mute [opt+cmd+M]: Turns Mute on and off.

Cache [opt+cmd+M]: Turns CACHE Mode on and off.

A.6 Windows Menu

Amarra [opt+a]: Toggles the Amarra Window on and off

iTunes [opt+i]: Toggles the main iTunes Window on and off

Playlist: [opt+p]: Toggles the Amarra Playlist Window on and off

Equalizer [opt+E: Toggles the Equalizer on and off

Sonic iRC [opt+R: Turns on Sonic Studio iRC window

APPENDIX B.............The Amarra Symphony Preferences Window

This section describes all of the functions available via the Amarra Symphony Preferences window.

NOTE: Deleting Amarra Symphony Preferences - if Amarra quits unexpectedly or if you are seeing any unusual behavior, try deleting your Amarra Preferences to see if this clears the issue
• Quit Amarra Symphony and iTunes
• Navigate to your Applications->Amarra Symphony->Extras folder in Finder
• Double-click on 'Delete Amarra Symphony Preferences.command'
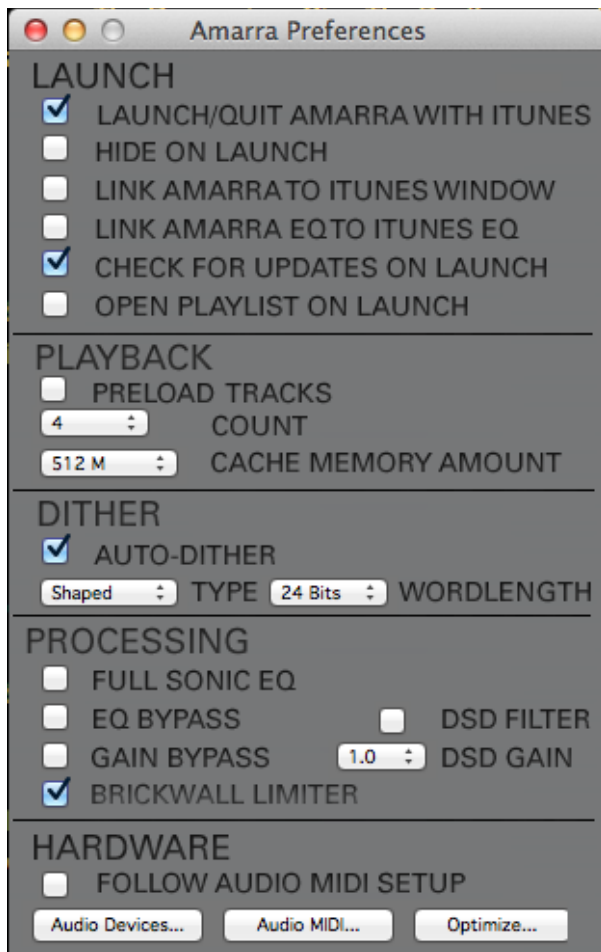*• Re-launch Amarra Symphony when the process completes. Amarra Symphony will launch iTunes*

NOTE: By de-selecting the Amarra Symphony Preference item 'Launch/Quit Amarra with iTunes', you will stop iTunes from automatically launching when you launch Symphony. This is helpful if you wish to operate independent of iTunes, using Amarra Playlists to play your music.

B.1 LAUNCH SETTINGS

LAUNCH / QUIT Amarra with iTunes:

Forces iTunes to launch or quit when you launch or quit Amarra.

HIDE ON LAUNCH:

Amarra windows will not display when Amarra is launched.

LINK AMARRA TO ITUNES WINDOW :

Forces Amarra to remain 'attached' to the iTunes main window. Also activated via the 'link' button on the Amarra UI.

LINK AMARRA EQ TO ITUNES EQ :

Forces Amarra EQ to follow the EQ settings in iTunes when set at the file level in iTunes.

CHECK FOR UPDATES ON LAUNCH:

Amarra will check for updates on launch.

OPEN PLAYLIST ON LAUNCH:

If Amarra quits with an Amarra playlist loaded, the playlist will be reloaded when you re-launch Amarra.

B.2 PLAYBACK SETTINGS

PRELOAD TRACKS :

Enables loading of multiple tracks in Amarra/iTunes Mode for gapless playback. In Amarra/iTunes mode, Preload Tracks must be enabled for gapless playback.

> **NOTE: Preload Tracks is specifically designed for gapless playback in Amarra/iTunes mode. Using Preload Tracks to load a specified number of tracks not part of a gapless performance into an Amarra Playlist may lead to unexpected results.**

See "7.1 Gapless Playback in Amarra/iTunes Mode" on page 28 on Gapless Playback

COUNT :

Number of tracks to preload when the Preload Tracks preference is set. By setting count and

Preload Tracks preferences, Amarra will attempt to load the selected number of tracks. Only tracks with the same sample rate of the first track will be loaded.

> **NOTE: Disable SHUFFLE MODE and REPEAT MODE in iTunes when using PRELOAD TRACKS.**

CACHE MEMORY AMOUNT:

Used to minimize disk access, reflects the amount of RAM allocated to load tracks prior to playback. Settings are 512Mb, 1Gb, 2Gb and 3Gb.

We recommend between setting this to between 1/3 and 1/2 of your available memory.

Playback will start when CACHE is loaded with selected tracks. The last piece of information updated is the amount of CACHE used in the Amarra UI. Please wait for this to complete before beginning playback.

> **Note: Amarra will load a max of 2.8 Gb and typically between 2.6-2.8Gb depending on the track being loaded. Amarra will only load complete tracks into CACHE.**

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B.3 DITHER SETTINGS

AUTO-DITHER:

Auto-dither is only used if you are using the Amarra volume slider to adjust gain. When auto-dither is selected, dithering will be automatically enabled when Amarra's volume is set to something other than full volume.

TYPE :

TPDF: Enables Sonic Studio's Shaped TPDF Dither.

Shaped: Enables Sonic Noise Shaped Dither

Wordlength:

Sets number of bits for output. This setting should match your DAC's word length. For best quality enable Auto-dither if a track less than 24 bits is being played. Using dither can bring a better sound when gain or EQ is being used. When dither is enabled the

output of Amarra will be dithered to the setting of the Output Wordlength specified. This can be useful for providing a better sound when Gain is used or if your DAC only supports a limited word length (16 or 20 bits).

NOTE: When the Output Wordlength is set to 24 bits the dither will be "disabled" if the Gain has not been modified (at full volume). Once the Gain is adjusted then dither is re-enabled.

NOTE: Amarra provides two dither options: Sonic TPDF and Sonic's advanced psycho-acoustic noise shaped dither. Your personal experience may decide which one you prefer.

B.4 PROCESSING SETTINGS

FULL SONIC EQ:
Access to the Global Sonic EQ - restart required after selecting Preference.

EQ BYPASS:
Bypasses all EQ processing in effect in Amarra. Must be disabled to use DSD Filter for DSD file playback. Use EQ Bypass to improve performance if no EQ is being used.

GAIN BYPASS:
Bypasses all gain processing in Amarra. Amarra will play back tracks at full volume (0.0 dB). Use Gain Bypass to improve performance if using external device for Gain control.

BRICKWALL LIMITER:
Used to protect equipment from damage from some overloads present in streaming audio and downloadable files. Attenuates any playback over 0dB to -0.5dB. Playback levels below 0dB are not effected.

DSD FILTER:
Used only for DSD (.dsf and .dff files) file

playback, emulating the low-pass filter option present on SACD players. Requires EQ Bypass to be de-selected.

DSD GAIN:
Applies the selected gain to playback of .dsf and .dff files.

B.5 HARDWARE SETTINGS

Follow Audio Midi Setup:
Enables Amarra to follow Audio Midi Setup when changed to set output device. Amarra will use the same output device as specified in AMSU. A re-scan in Audio Device Preferences may be required. To select a different Audio Device independent of Audio Midi Setup, de-select this Preference and use Audio Device Preferences to set your Output Audio Device o a different Audio Device. De-selecting Follow Audio Midi Setup is required for playback of streaming audio.

Audio Device Button:
Opens the Audio Device Preferences Window. Use this window to set your output device when Follow Audio Midi Setup is de-selected and when playing streaming audio.
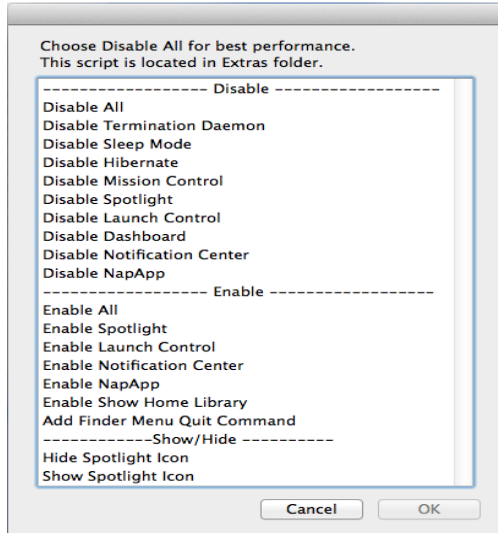
Audio Midi Button:
Opens the Audio Midi Setup window

Optimize Button:
Runs the Mac OS Optimization script allowing you to configure your Mac environment for best performance.

```
                  Choose Disable All for best performance.
                  This script is located in Extras folder.
                  ------------------ Disable ------------------
                  Disable All
                  Disable Termination Daemon
                  Disable Sleep Mode
                  Disable Hibernate
                  Disable Mission Control
                  Disable Spotlight
                  Disable Launch Control
                  Disable Dashboard
                  Disable Notification Center
                  Disable NapApp
                  ------------------ Enable ------------------
                  Enable All
                  Enable Spotlight
                  Enable Launch Control
                  Enable Notification Center
                  Enable NapApp
                  Enable Show Home Library
                  Add Finder Menu Quit Command
                  ------------Show/Hide ----------
                  Hide Spotlight Icon
                  Show Spotlight Icon

                         Cancel        OK
```

Mac OS Optimatization Script

B.6 ADDITIONAL SONIC HARDWARE SETTINGS

Amarra provides additional preferences when used with a Sonic Audio Interface. These controls allow integration of Analog Gain Control and more.

```
HARDWARE SETTINGS
  ☑ FOLLOW CORE AUDIO SETTINGS

  ☐ LAUNCH /QUIT CONSOLE
  ☐ DIM FRONT PANEL
  ☐ CONTROL VOLUME
     GAIN ADJUSTMENT
  ☑ 0.0 dB   ☐ -10 dB   ☐ -14 dB
```

Additional Sonic Hardware Preferences

Launch/Quit Console:
Forces Sonic Console to launch or quit in sync with Amarra.

Dim Front Panel:
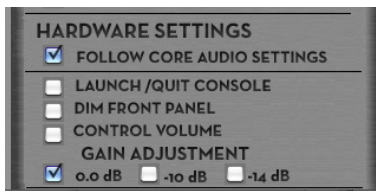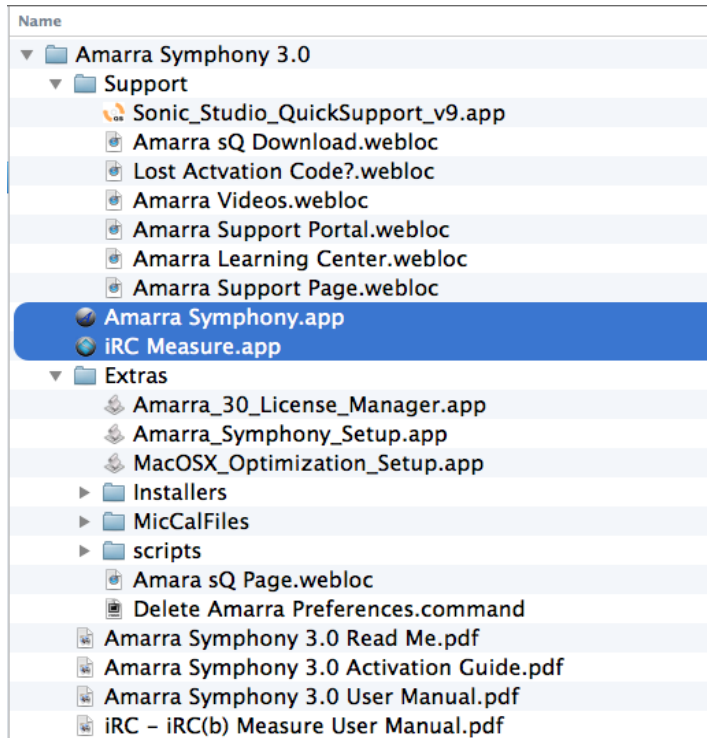Dims the front panel display.

Control Volume:
Interlocks Amarra's gain control with the hardware gain control so either can be used.

Gain Adjustment:
Set the system gain to match professional (0 dB) or consumer electronic (-10 or -14 dB) standard.

APPENDIX C ....Your Amarra Symphony Folder

This section describes the files installed in your Applications->Amarra Symphony folder in Finder as part of the Amarra Symphony installation process.

Name
▼ 📁 Amarra Symphony 3.0
▼ 📁 Support
🔶 Sonic_Studio_QuickSupport_v9.app
📄 Amarra sQ Download.webloc
📄 Lost Actvation Code?.webloc
📄 Amarra Videos.webloc
📄 Amarra Support Portal.webloc
📄 Amarra Learning Center.webloc
📄 Amarra Support Page.webloc
🌐 Amarra Symphony.app
◎ iRC Measure.app
▼ 📁 Extras
Amarra_30_License_Manager.app
Amarra_Symphony_Setup.app
MacOSX_Optimization_Setup.app
▶ 📁 Installers
▶ 📁 MicCalFiles
▶ 📁 scripts
📄 Amara sQ Page.webloc
📄 Delete Amarra Preferences.command
📄 Amarra Symphony 3.0 Read Me.pdf
📄 Amarra Symphony 3.0 Activation Guide.pdf
📄 Amarra Symphony 3.0 User Manual.pdf
📄 iRC – iRC(b) Measure User Manual.pdf

Amarra Symphony.app: The Amarra Symphony application

iRC Measure.app: Impulse Response Correction measurement and calibration tool

Support Folder: (these links take you to various important webpages for support)

• Download Amarra sQ.webloc - directs you to the Sonic Studio downloads page to access the Amarra sQ Installer and Manuals

• Sonic_Studio_QuickSupport_v9.app - Amarra support app allowing Sonic Studio to log into customer system and assume control of environment.

• Lost Activation Code?.webloc - directs you to the Sonic Studio Activation Code Control Panel to find a lost license.

• Amarra Videos.webloc - check out 'how-to' videos for Amarra and IRC.

• Amarra Support Portal.webloc - access the Amarra support portal and FAQ, a great source of technical information and assistance.

• Amarra Learning Center.webloc - go directly to the Amarra FAQ

• Amarra Support Page.webloc - direct access to the Amarra support page with downloads, videos, tips and tricks, and other information.

Extras Folder: (these items run only when launched manually)

• Amarra_30_License_Manager.app - use this app to manually manage backing up and removing your Amarra license.

• Amarra_Symphony_Setup.app - runs the Amarra setup application allowing for personalized setup.

• MacOSX_Optimization_Setup.app - launches the Mac OSX Optimize script. Ensure you have sufficient knowledge of Mac OS and System Applications prior to using the Mac OSX Optimization script.

• Delete Amarra Preferences.command - use this utility to reset Amarra Symphony to a factory default setting

• Amarra sQ Page.webloc - directs you to the Amarra sQ product page on the Sonic Studio Website

•**Scripts Folder** - contains scripts used during the installation of Amarra Symphony

•**Installers Folder** - contains uninstallers for Amarra Symphony, IRC and the License Manager.

•**MicCalFiles Folder** - contains calibration file for the XTZ mic to be used with IRC.

Manuals:

•**Amarra Symphony Activation Guide.pdf** - refer to this manual for Installation and Activation instructions

•**Amarra Symphony Read Me.pdf** - important notes about Amarra Symphony version 3.0

•**Amarra Symphony User Manual** - refer to this manual for detailed information about operating Amarra Symphony

• **iRC - iRC(b) Measure User Manual.pdf** - refer to this manual for detailed information on using the Impulse Response Correction capability within Amarra Symphony.

APPENDIX D.............Audio Device Preferences Window

Amarra Symphony's Audio Device Preferences Window is a powerful tool for you to manipulate the output of Amarra independent of the Mac's Core Audio Settings.
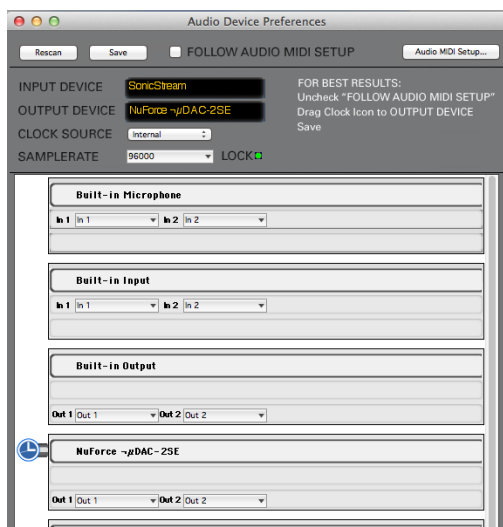
Audio Device Preferences Window

The ADP window has several capabilitites explained below.

The clock icon

- Drag the clock icon to your desired device to change your output device. You may need to hit the Rescan button for the change to take effect.

The Rescan Button

- Use this button to force Amarra to rescan the Mac for Audio Output Devices

The Save Button

- Use this button to save the current Audio Device Preferences Settings

The Follow Audio Midi Setup Checkbox

- Check this box to have Amarra follow the settings in Audio Midi Setup for determining Output device.

The Audio Midi Setup Button

- Use this button to open the Audio Midi Setup Window

The Audio Device Preference Display window
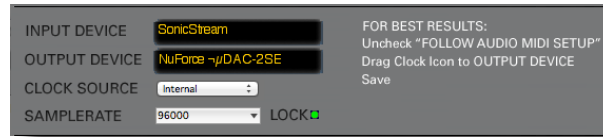
Displays the following information:

- Input Device - SonicStream is the input device used for streaming audio

- Output Device - lists the Output Device Amarra is sending output to

- Clock Source - typically listed as Internal for Auto-sample rate switching to occur

- Sample Rate - adjusts to the sample rate of the file being played back. If down-sampled, will show down-sampled sample rate.

The Individual Device Section
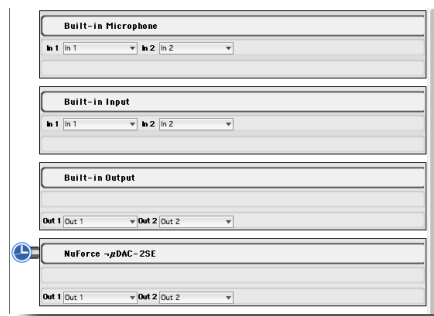
 Each device will have it's own section in the Audio Device Preferences window. Ensure output channels are set correctly via the Out1 and Out2 pulldown menus.

Amarra Symphony with IRC User Manual Index