

Forzando



A portable music library for the musician on the go.

Table of Contents

Getting Started	1
System Requirements	1
Obtaining Forzando Companion	1
Launching Forzando Companion	2
Additional Installation Instructions for Windows	2
Verifying that Java is Present.....	2
Verifying that Bonjour is Present	2
Using Forzando Companion	1
Introducing the Music Library	1
A First Look at the User Interface	1
Building the Music Library	3
Adding a Single Score	3
Associating an MP3 with a Score	3
Adding Many Scores and MP3s At Once.....	3
Organizing Scores into Collections	4
Creating a New Collection	4
Creating a Collection from the Current Selection	4
Adding Scores to a Collection and the Music Library at the Same Time.....	5
Reordering a Collection.....	5
Managing the Music Library	6
Deleting a Score	6
Removing Just the MP3 from a Score	6
Modifying a Score	6
Deleting a Collection.....	7
Renaming a Collection	7
Removing a Score from a Collection.....	7
Viewing a Score.....	7
Playing an Attached MP3.....	8
Synchronizing with Devices	8
Saving the Window Size	9
Running from the Command Line	9
Credits	10

Getting Started

Welcome to Forzando, a PDF and MP3 organizer designed to let you take your sheet music library with you wherever you go. Though tailored for sheet music, Forzando may also act as a general-purpose PDF viewer.

The Forzando system consists of two applications: Forzando, a PDF reader/MP3 player for the iPad; and Forzando Companion, a desktop application for managing and transferring your music library.

This document describes how to use Forzando to establish and maintain your sheet music library on one or more devices.

System Requirements

Forzando Companion requires JRE 1.6 (32 bit), Bonjour, and the Bonjour Java library 'dns_sd.jar'. Therefore the minimum system requirements are:

Macintosh:

- Snow Leopard (10.6).
- JRE 1.6 (Bundled with Snow Leopard).

Note: Forzando Companion will **not** run on Mac OS X 10.5 or earlier.

PC:

- Windows XP SP2 or better or Windows Vista or Windows 7.
- JRE 1.6 (available from www.java.com)
- Bonjour (available from www.apple.com)

Note: A wireless network is required for synchronization on either platform.

Obtaining Forzando Companion

To obtain Forzando Companion, select the appropriate download from www.drakeapplications.com/Downloads. The application download resides in a zipped folder (Forzando.zip). Expand the zip file in the directory in which

you would like to install the application. This will create a “Forzando” folder containing the application and necessary folders.

Launching Forzando Companion

After downloading and extracting Forzando Companion, open the “Forzando” folder. To launch Forzando Companion, double-click “Forzando.jar”.

Additional Installation Instructions for Windows

Forzando Companion requires Java 1.6 and Bonjour in order to run. If it fails to launch, the most likely reason is that one or both of these components are not properly installed.

Verifying that Java is Present

To test for Java, run ‘cmd’ and type:

```
java -version
```

If the version shown is not at least 1.6, you will need to install or upgrade Java. Java is available from Sun Microsystems (now Oracle) at:

<http://java.com/en/download/manual.jsp>

Note: If you both Java and Bonjour are missing, be sure to install Java first, or dns_sd.jar file may not be installed with Bonjour, and you will have to reinstall Bonjour after installing Java.

Verifying that Bonjour is Present

To verify that the Java component for Bonjour is installed, check that dns_sd.jar exists at:

```
C:\Program Files\Java\jre6\lib\ext\dns_sd.jar
```

If the file is not present after installing Bonjour, you may be able to copy it from:

```
C:\Program Files\Bonjour\dns_sd.jar
```

If the above file does not exist after installing Bonjour, uninstall Bonjour and reinstall it.

Bonjour for Windows is available from Apple at:

<http://support.apple.com/kb/dl999>

Note: We recommend verifying the path to dns_sd.jar before running Forzando Companion for the first time, even if Bonjour is already installed on your system.

Using Forzando Companion

Introducing the Music Library

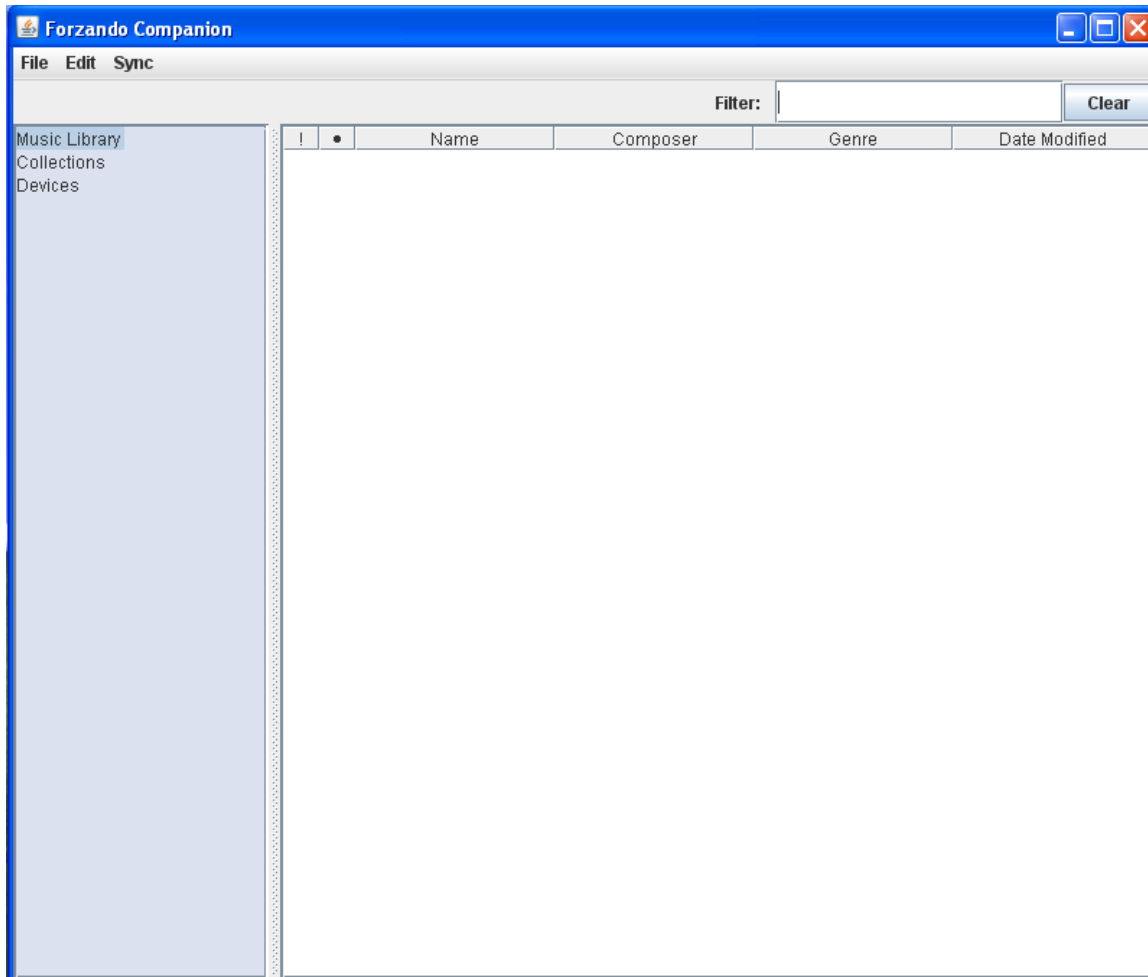
A typical music library consists of scores in PDF format, each of which may be associated with an MP3 file. These scores are then organized into user-defined collections (reminiscent of play lists) which can be transferred to one or more devices.

Note: The PDFs and MP3s are actually transferred to the device when you sync, so you do not have to have an internet connection to view or listen to your scores after the sync completes.

Any PDF or MP3 you add to the music library will be copied from its original source to the “library” directory of Forzando Companion and will appear as a row in the “Music Library” interface.

A First Look at the User Interface

To launch Forzando on your desktop, double-click the “Forzando” application icon in the expanded folder. Upon successful launch, you will see the following window:



The user interface is composed of a split view containing the Music Library Selector to the left and the content view to the right. In general, selecting an item in from the Music Library Selector results in displaying its contents in the content view.

When “Music Library” is selected, all of the scores in your library are listed in the content view. Individual collections you have defined are listed subordinate to the “Collections” heading. Selecting one of these collections displays its contents in the content view; however selecting the “Collections” heading itself has no effect. Similarly, connected devices are displayed subordinate to the “Devices” heading.

Initially, your music library is empty and no collections are defined.

Building the Music Library

Undoubtedly you will want to start building your sheet music library right away. The following topics describe the steps required to import PDFs, associate them with MP3s, and organize your sheet music library into collections.

Adding a Single Score

To add one score to your music library, do the following:

- Step 1.** Select “Music Library” from the Music Library Selector.
- Step 2.** Select “File->Import Score...” or press Ctrl-I. A file browser window appears.
- Step 3.** Navigate to the PDF you want to add and select it.
- Step 4.** Click “Open”. The PDF is copied to Forzando’s “library” folder and a row for the score appears in the content view.

Note: If you select a PDF with the same name as an existing PDF, Forzando will overwrite the existing score with the new one rather than add a new score.

- Step 5.** If you want to change the title of the score or add the name of the composer or the genre of the piece, select the relevant column for that score’s row and enter a new title, composer, or genre.

Associating an MP3 with a Score

To associate a single MP3 with a score, do the following:

- Step 1.** Select the score in the music library.
- Step 2.** Select “File->Attach Audio...”. A file browser window appears.
- Step 3.** Navigate to the MP3 you want to attach to the score and select it.
- Step 4.** Click “Open”. The MP3 is copied to Forzando’s “library” folder and a checkmark (√) is displayed in the row for that score to indicate that an MP3 is attached.

Adding Many Scores and MP3s At Once

Oftentimes it may be more convenient to add many PDFs and/or MP3s at once. The Forzando Companion allows this operation through drag-and-drop from Windows Explorer to the content pane. Performing the drag-and-drop causes each PDF to be imported into the music library, while each MP3 is associated to the PDF *having the same name*. For example, consider the following files:

- MyScore.pdf
- YourScore.pdf
- MyScore.mp3

If all three of these files are dropped on the content view, “MyScore.pdf” and “YourScore.pdf” will be added to the library and “MyScore.mp3” will be associated with “MyScore.pdf”.

Organizing Scores into Collections

Creating a New Collection

A collection is simply a grouping of scores in your music library under a particular name. Manipulating collections does not change the contents of the music library itself. To create a new collection, do the following:

- Step 1.** Select “File->New Collection...” or press Ctrl-N. A dialog box appears prompting for the name of the collection.
- Step 2.** Enter a name for the collection.
- Step 3.** Click “OK”.

The new collection appears beneath the “Collections” heading in the Music Library Selector.

- Step 4.** From the “Music Library”, select one or more scores and drag them from the content pane to the new collection.
- Step 5.** Let up on the mouse to complete the drop. The selected scores are now placed in the collection.

Note: You may view the contents of a collection at any time by selecting the collection from the Music Library Selector.

Creating a Collection from the Current Selection

To save time, you can preselect a set of scores and create a new collection having those scores added to it upon creation. Simply do the following:

- Step 1.** Select the scores you want in the new collection.
- Step 2.** Select “File->New Collection from Selection...”.
- Step 3.** Enter a name for the new collection in the box that appears.

Adding Scores to a Collection and the Music Library at the Same Time

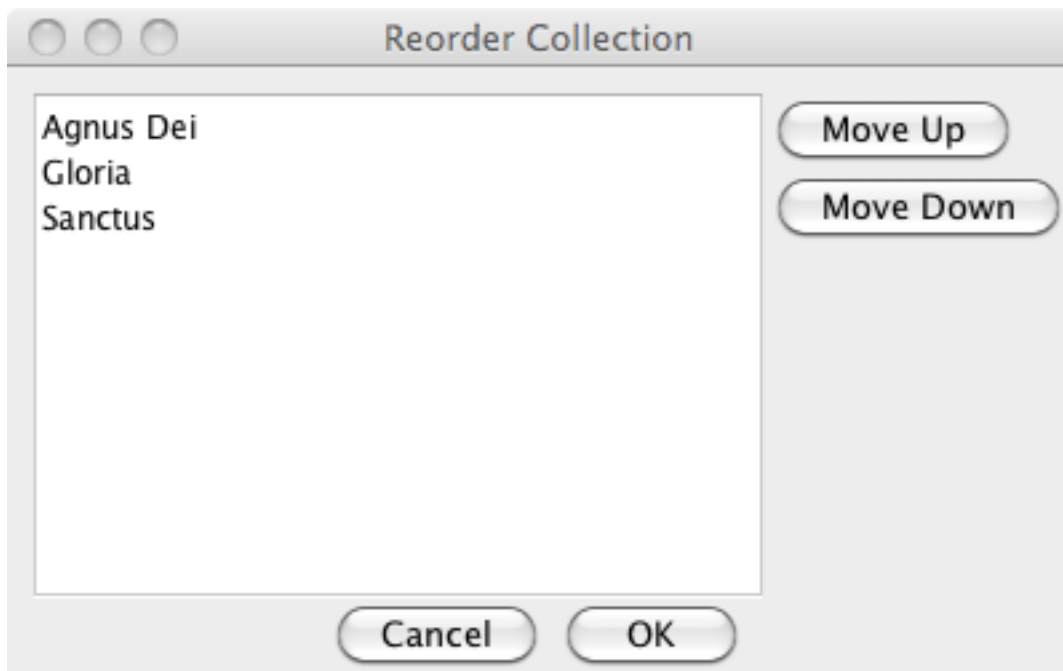
If you know you would like to add one or more scores and/or MP3s to a particular collection in addition to the music library, you can add these documents to both the collection and the music library at the same time. Simply select the collection before dragging the files to the content view, as follows:

- Step 1.** Select the collection from the Music Library Selector into which you want to add the scores.
- Step 2.** Drag the PDFs and MP3s you want to add from Windows Explorer into the content view.
- Step 3.** Add any additional data (title, composer, genre, etc.) to each new row in the collection as you see fit.

Reordering a Collection

After adding scores to a collection, you may determine that you would like the score to appear in a different order within the collection. To reorder the scores within a collection, do the following:

- Step 1.** Select the collection from the Music Library Selector that you would like to reorder.
- Step 2.** Select “Edit->Reorder Collection...”. The following dialog box appears:



- Step 3.** Select a score to move within the list.
- Step 4.** Click “Move Up” to move the score higher in the list or click “Move Down” to move the score lower.
- Step 5.** Repeat until the scores are in the desired order.
- Step 6.** Click “OK”.

Note: The scores will be ordered as specified in the dialog box when you sync with your iPad. The changes to the order will not be visible in the content view until you refresh that view by switching to another collection. If you have a filter or are sorting by column, no changes will be shown to the order of the scores in the content view.

Managing the Music Library

From time to time, you may decide to remove a score or collection from your music library, or you may want to remove a score from a particular collection.

Deleting a Score

To remove a score entirely from the music library, do the following.

- Step 1.** Select “Music Library” from the Music Library Selector.
- Step 2.** Select the score or scores you want to delete.
- Step 3.** Select “Edit->Delete...” and confirm that you want to remove the score or scores.

Note: Deleting a score removes it from the music library, deletes its PDF and optional MP3, and removes it from all collections.

Removing Just the MP3 from a Score

To remove an MP3 from a score, do the following:

- Step 1.** Select the score or scores from which you want to strip the MP3.
- Step 2.** Select “Edit->Remove Audio...”.
- Step 3.** Confirm the removal.

Forzando will report how many audio files were removed.

Modifying a Score

If you have a new version of a score and you want to replace the old version in the music library with this new version, do the following:

- Step 1.** Verify that the name of the modified score's PDF is exactly the same as the name of existing score's PDF.
- Step 2.** Select "Music Library" from the Music Library Selector.
- Step 3.** Drag the score to the content view.

Deleting a Collection

To delete a collection do the following:

- Step 1.** Select the collection to delete from the Music Library Selector.
- Step 2.** Select "Edit->Delete Collection...".
- Step 3.** Confirm the deletion.

Note: Deleting a collection simply removes the association of the scores with the collection; it does not remove the scores or any associated PDFs or MP3s from the music library.

Renaming a Collection

To rename a collection, do the following:

- Step 1.** Select the collection to rename from the Music Library Selector.
- Step 2.** Select "Edit->Rename Collection...".
- Step 3.** Enter a new name in the box that appears.
- Step 4.** Click "OK".

Removing a Score from a Collection

To remove a score from a collection, do the following:

- Step 1.** Select the collection from the Music Library Selector.
- Step 2.** Select the score or scores to remove from the content view.
- Step 3.** Select "Edit->Delete...". The score will be removed from the collection.

Note: Removing a score from a collection does not delete it from the music library, nor does it remove its PDF or MP3.

Viewing a Score

To view a score with the default PDF viewer, do the following:

- Step 1.** Select the score from the content view.
- Step 2.** Select "File->Open Score..." or press Ctrl-O.

Playing an Attached MP3

To play an attached MP3 with the default application, do the following:

- Step 3.** Select the score from the content view.
- Step 4.** Select “File->Play Score...” or press Ctrl-P.

Synchronizing with Devices

Forzando Companion allows multiple devices to synchronize with its music library over a wireless network. Forzando uses Bonjour for identifying the devices with zero-configuration. To synchronize a set of collections with a device do the following:

- Step 1.** With the Forzando Companion running, select the “Sync” tab from the “Music Library” button on Forzando running on your device. You should see a message indicating that the Forzando service has been published.
- Step 2.** After a few seconds, a new device should appear beneath the “Devices” heading on the Music Library Selector. It may take up to 15 seconds before the device is recognized.
- Step 3.** Select the device from the Music Library Selector. The content view shows a list of all available collections. Those collections that are already on the device are checked.
- Step 4.** Turn each collection on or off as desired. (Collections that are checked will be put on the device and collections that are not checked will be removed from the device.)
- Step 5.** Select “Sync->Sync with Device...” or press Ctrl-Y.
- Step 6.** Upon successful sync, a box appears with the message “The sync completed successfully.” Simply dismiss this message box.
- Step 7.** Select either the “Scores” tab or the “Collections” tab in Forzando running on your device. This should un-publish the device and remove it from the listing under the “Devices” heading of the Music Library Selector.

Note: On occasion, the operation in Step 6 above may not remove the device from the Music Library Selector. Should this occur, you can tap the sync tab again to republish the service and then select one of the other tabs. Usually this is sufficient to remove the device from the list. If the device still persists in the list,

restart Forzando on your device.

Important:

Be sure to repeat step 1 (publishing the Forzando service) between synchronizations.

The amount of time required for synchronization depends on the size of your music library and the speed of your wireless network. We have seen typical throughput rates of 100-150 kilobytes per second, though your mileage may vary.

Saving the Window Size

To save the size of Forzando Companion's startup window at launch, set the size of the window as desired and select "File->Save Preferences".

Running from the Command Line

You can run Forzando Companion from the command line in order to view debug information as well as the progress of individual file transfers during sync. To start Forzando Companion from the command line, do the following:

- Step 1.** Open cmd, also known as "Command Prompt". (You may have to choose "Run" and enter cmd from the Start Menu).
- Step 2.** cd to the directory containing Forzando.jar.
- Step 3.** Enter "java -jar Forzando.jar". Forzando Companion will launch as usual.

Credits

Forzando Companion uses the SQLite JDBC connector library available at www.xerial.org, which is licensed under the Apache 2.0 license.