



# forScore mini

the music reader for iPhone and iPod Touch

## User Guide

version 3.5

## Getting the most out of this guide:

This document was designed to introduce you to forScore mini's many features, and to give you a framework of knowledge to use as you continue exploring and learning on your own. It's not a technical manual and isn't intended to provide exhaustive step-by-step instructions for every situation.

Every person learns differently, and while we do our best to make things clear for users of all levels, you may have some questions that aren't answered here. If that's the case, just head to [forscore.co/support](https://forscore.co/support) and send us a message so we can help.

## A note about Drag and Drop in iOS 11:

With iOS 11, Apple introduced Drag and Drop—a new way of working with all sorts of content within forScore mini. forScore supports these gestures and offers advanced capabilities through dozens of unique interactions. In most cases Drag and Drop doesn't allow you to do new things, but it does make doing a lot of common things a lot faster.

To keep things simple, this guide doesn't call out every situation where Drag and Drop is available. Instead, we provide a section at the end of this document that helps you understand when Drag and Drop can speed up the tasks you've learned about in earlier sections.

## Additional information about this user guide:

This user guide is provided as a courtesy, as-is and without guarantee or warranty. Although we thoroughly proofread the content herein for accuracy and clarity, you are solely responsible for the integrity and protection of your information while using forScore mini.

This guide was last updated for version 3.5, and all features are subject to change without notice. If you are unsure how any of the processes described in this guide may affect your information, consider making backups of both your library data as well as your files themselves before proceeding.

The screenshots used in this guide are meant to demonstrate the layout of forScore mini's many different panels and views in general terms, and will differ depending on your device's specifications and orientation.

Please remember that many musicians rely on the legitimate sale of their sheet music as an essential part of their income. Although forScore mini provides the mechanism for downloading PDF files directly from the web, it is solely your responsibility to ensure that doing so does not infringe upon any current laws or restrictions under which you are subject.

For any questions, corrections, suggestions, or concerns, please visit [forscore.co/support](https://forscore.co/support) and send us a message—your feedback is how we make better products.

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# Basics

Welcome to forScore mini, the music reader for iPhone and iPod Touch! Here are a few quick things you should know before you get started:

## Turning Pages

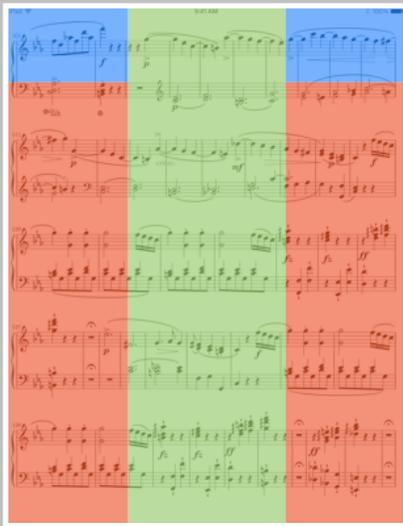
Turn the page with two basic kinds of gestures: swipes and taps. Swipe left or right across the screen like flipping through pages in a book, or simply tap either side of the screen once.

## Landscape

To get a better view of your score, turn your device sideways: the page will fill up the screen's width and extend downward if necessary. Swipe or tap to scroll from top to bottom and between pages, or drag the page up and down with your finger.

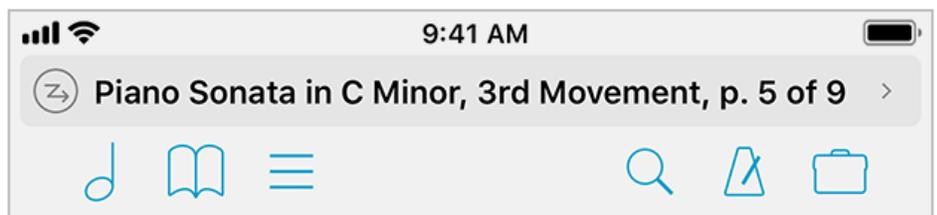
## Controls

To save real estate, all of forScore mini's controls are hidden by default. A quick, single tap in the middle of the page will reveal these controls:



forScore mini's tap zones:

Tap the red areas to turn the page, tap the green area to show and hide the controls, and tap the blue corners to reopen the last-viewed menu



This control bar along the top of the screen gives you access to six important items (in blue): scores, bookmarks, and setlists on the left, and search, audio utilities, and the tools menu on the right. These six items are discussed in greater detail throughout this guide.

The darker portion of the toolbar displays the current item's title and composer and gives you quick access to important settings and tools. By default, the button on the left toggles Reflow, while the button on the right reveals a second page of tools (you can also swipe left and right to move between pages at any time). Use the edit button on the second page to place the two you use the most on the first page for easy access.

## Seek Bar

Across the bottom of the page, a slider control allows you to quickly preview and jump to any page in the current score. If you've added bookmarks to your score, the name of the bookmark hovers above your finger as you slide the control across the screen.

## Zoom

Place two fingers on the screen and move them farther apart to zoom in, or closer together (pinch) to zoom out. Double-tap the screen while zoomed in to return to the normal size.

# Adding Files

## Things to Know

You can use virtually any PDF file with forScore mini, but not every file works perfectly. Very large files may not perform well with it (or any PDF reader) especially on older devices, so if you're scanning your own files you may need to try a few different settings before you find a good balance of quality and size.

## From Your Computer (with iTunes)

If you already have a PDF sheet music collection on your computer, this is the easiest way to get started: connect your device to your computer and click the device icon in the iTunes navigation bar\* then select "Apps" from the sidebar on the left (this is called "File Sharing" as of iTunes 12.7).

If needed, scroll down to the bottom of the main view until you see the File Sharing section. This panel shows apps on the left and documents on the right; select forScore and use the "Add..." button or drag one or more PDF files into this panel to copy them to forScore mini. Select one or more files and use the delete key to remove them. Files are copied immediately so there's no need to sync your device, but you may need to drag the Score menu downward to refresh its listings, or close and reopen the app.

## From Other Apps

Use any app that supports iOS' sharing features to send a copy of a PDF file to forScore mini. From the Mail app, for instance, tap and hold your finger down over an attachment until a popup appears, then choose "Copy to forScore mini." In Safari and many other apps, tap the action icon (see the example on the left) while viewing a PDF file. Each app works a little differently, so consult their documentation for explicit instructions.

## Services

If you've purchased content from digital retailers like [Musicnotes.com](http://Musicnotes.com) or if you use a cloud storage service like Dropbox, use the Services panel to access your files. Visit the Services section of this guide to learn more.

## Text Files

You can also add text files (TXT, RTF, DOC, or DOCX) to your forScore mini library and they will be automatically converted to PDF files for you.

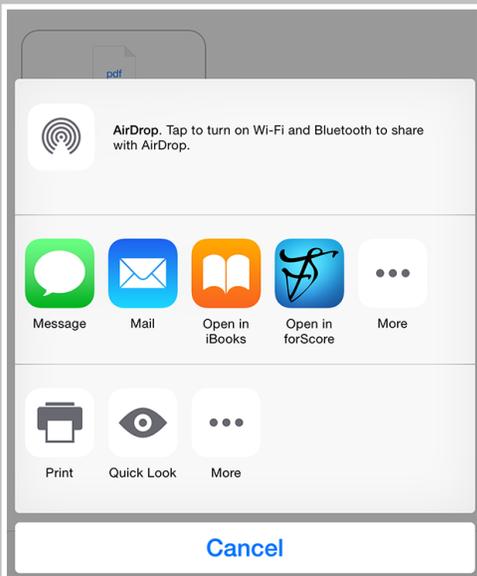
## Deleting Files

To remove a score from forScore mini, swipe your finger across it from right to left in the menu—it'll ask you to confirm so you don't delete anything by accident. You can also tap on the "Edit" button to select multiple items from the list and delete them all at once.

\*Different versions of iTunes may work differently. For additional instructions, please visit [apple.com/support/itunes](http://apple.com/support/itunes)



iTunes' File Sharing panel has limited support for working with subdirectories, so forScore does not support organizing your files in this way. Only add files to your forScore library, not folders.

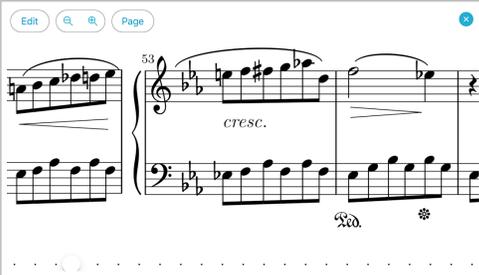


Look for this icon when working with PDF files in other apps; it usually indicates that the app supports copying the file to other PDF-compatible apps on your device, including forScore mini

# Reflow

Although forScore mini can't interpret the notes in a PDF file, it can detect where important information is generally on each page. With Reflow, forScore mini takes that information, magnifies and redraws it, then lays it out end-to-end so you can read your music in one long line—like a horizontal teleprompter. Reflow gets you most of the way there with its smart detection, and if it gets something wrong you can correct it quickly and never worry about it again.

To use Reflow, begin by selecting it from the tools menu or by selecting the reflow icon the main view's title display. Once you do, you'll see a few new controls appear: Edit, zoom, navigation mode, and an exit button.



## Editing Zones:

The Edit button allows you to adjust Reflow's zones if needed. You'll see them as gray rectangles—tap once to see its resize controls, and tap again to show the delete option. Drag the green control at the top of each rectangle to downward to split it horizontally into two new areas.

You'll see a control bar along the bottom of the screen: use the + button at the bottom of the screen to create a new zone, use the arrows to move between pages, and drag the set of three lines on either end of the control bar to drag it up or down and out of your way.

## Zoom:

Zoom in or out to find the best magnification for you—up to twice as large as the original page.

## Navigation:

Choose to page or scroll through your music. In Page mode, tapping on either side of the screen will shift the music over by half of your screen's width. In Scroll mode, your music will scroll by continuously: tap the left side of the screen to slow it down or the right side to speed it up. Tap in the center of the screen to start or stop scrolling.

# Menus

Aside from scores themselves, the most common type of view you'll be working in with forScore mini is a menu, or a list of items. This guide explains the purpose of each individual menu in subsequent sections, but there are a few concepts that are consistent throughout the app:

## Layout

The first thing you'll see when you open a menu is the navigation bar along the top of the screen. It shows the menu's title and typically features two buttons: a 'close' button on the right so you can dismiss the menu when you're done, and a 'back' button on the left that returns you to the previous menu, if applicable.

Below the navigation bar, you'll see a series of buttons that alter the content or sort order of the list below it. While you're editing a list, this bar may also show available actions, and it may scroll left and right if needed to display all of the options.

Most menus also include a search bar hidden between the navigation bar and the sort bar—drag the list downward to access it. When you're done searching, or when you drag the list back up, the search bar will slide back under the control bar and hide out of sight until you need it again.

Menus may also include an index down the right-hand side which allows you to move quickly through the current list. Tap or drag your finger up and down over it to navigate to a particular spot or first letter (if the list is sorted alphabetically).

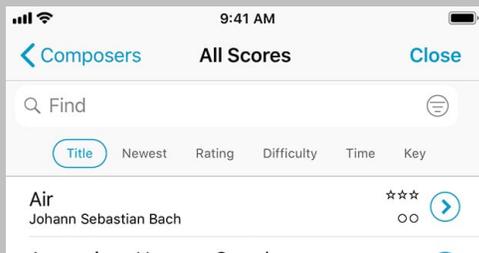
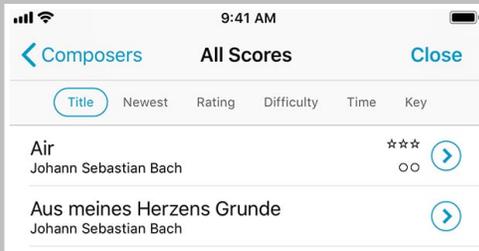
## Working with Lists

To open an item, just tap on it. If you're viewing a list of scores, you can tap and hold your finger down on an item to preview it. Then, tap the thumbnail image of the page to open it, tap the + button in the lower right-hand corner to open it in a new tab, or tap outside of it to close the preview. To delete or share an item, swipe your finger across it from right to left and tap one of the actions that appear.

*Note: In iOS 11, tap and hold gestures are used for Drag and Drop. Use a two finger tap and hold instead, or swipe from left to right over an item and tap "peek" to preview it.*

You may also see a button or symbol off to the right-hand side of each item. A plain arrow or chevron symbol indicates that selecting that row will display an additional list of items, such as selecting a composer to see all of their scores. A circled arrow is a button: tap on it to view and edit metadata for that item, or tap anywhere else in the row to open it.

One of the most important items in a menu is the edit button in the top right-hand corner. When highlighted, you can choose multiple items in the list and use the options along the top of the list to work with those files in a number of different ways. These options can vary, but usually include the ability to select all items, reset (de-select all items), and delete items.



Drag the menu downward to show the search bar and narrow down the list based on your query

Tap the filter icon on the right-hand side of the search bar to only show items in the current list that match one or more rules that you define

# Scores

## Organization

The score menu can organize your files by Composers, Genres, Tags, and Labels. These lists are generated dynamically, so they'll only show values currently being used by one or more items in a library.

Tap any of these entries and you'll see a new list containing all of the scores that pertain to that category. A single score may be visible in several different lists, so long as it matches the corresponding category or setlist. (For example, a score with the composer "Johann Sebastian Bach" and the genre "Baroque" will be listed under both categories.) Most submenus can be sorted by date added, rating, difficulty, key, time, or alphabetically.

*Note: By default, forScore mini sorts Composers alphabetically by last name. You can change this in the app's settings panel to sort by first name.*

## Libraries

Tap the "Library" button in the top left-hand corner of the menu to create and view separate collections of music.

## Find & Filter

Drag most menus downward to reveal a search bar that lets you quickly find a particular category or item in the list below it. In most menus, a filter icon on the left-hand side of the search bar lets you narrow down your results even further by cross-referencing categories using advanced rules (i.e. only show items that include or exclude specific categories or setlists).

## Metadata

A small circled arrow button off to the right-hand side of individual scores opens the metadata editor, which you can read more about in the Metadata section of this guide.

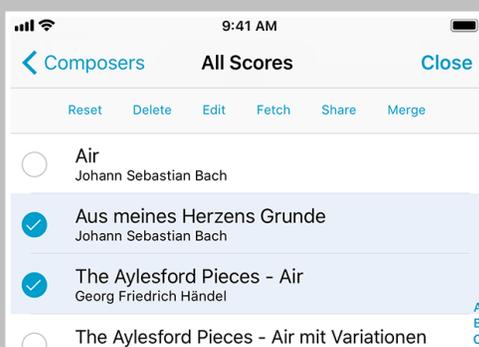
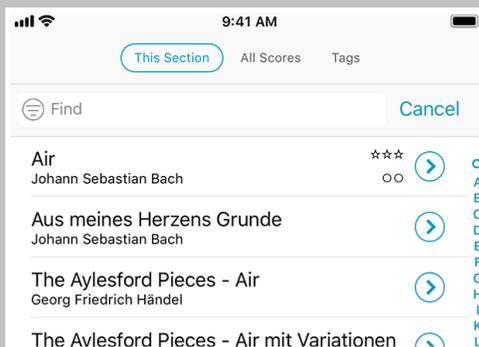
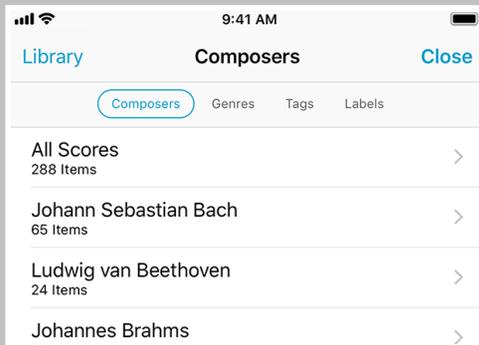
## Managing Files

To delete a score, simply swipe your finger across the corresponding entry in the menu from right to left and press the "delete" button. You can also tap the "Edit" button to select one or more items in the list and work with them in different ways, depending on the context.

## Merging Files

If you have pages of a score in individual PDFs or several different sections that you'd like to combine and play through continuously, tap the "Edit" button and select two or more files in the order that they should be combined. Then, use the "Merge" option to provide a title to create a new, multi-page PDF file in your library.

*Note: forScore mini scans for new files periodically. If you've just added something that's not showing up, drag the score menu downward until you see the refresh symbol, then let go to update the listing.*



# Setlists

## The Setlist Menu

Unlike the score menu, with automatically generated contents, the setlist menu is completely manual. Create a setlist by tapping the + button and typing in a title, and rename or move it up or down at any time by tapping the “edit” button. Tap on any setlist to view or edit its contents.

The main list of setlists and the contents of each individual setlist can be sorted manually, alphabetically, or by least-recently played (fresh). In addition, a setlist’s contents can be sorted randomly and shuffled at any time: drag the list downward until you see the refresh control, then let go to re-shuffle the queue.

## Setlist Editor

While viewing a setlist, use the + button to add new items to it. A full-screen editor will appear, showing you the current setlist on the left and your library on the right. The library view lets you see a complete list of your scores sorted alphabetically, or it lets you browse just like you can in the Score menu—by composer, genre, tag, or label—and sort within a category by title, newest, rating, difficulty, time, and key.

Tap on any item in the library view (on the right) to add it to your setlist (on the left). A dot appears next to any item that already exists in the setlist. You can also delete items from the setlist or rearrange them at any time.

You can also replace items in your setlist by tapping to select them. Once they start pulsating, select from your library to take its place. Or, if you change your mind, tap the setlist item a second time to de-select it.

Three buttons along the bottom of the editor give you additional options: add the current score to your setlist, create a placeholder with a custom name, or add all of the items listed on the right to your setlist at once.

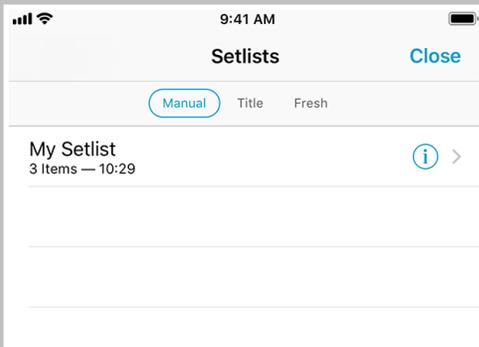
## Rearranging Setlists

With the “Manual” sort order selected, you can arrange your setlists or their contents by tapping the Edit button and using the control on the right-hand side of each item (three horizontal lines). Tap and hold the control until the row pops out of the table view, and then drag the score upward or downward and let go when you reach the correct spot.

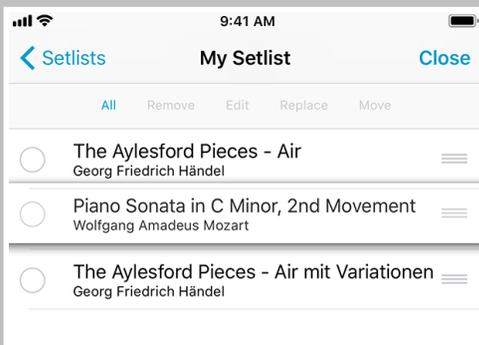
## Deleting Setlists & Removing Items

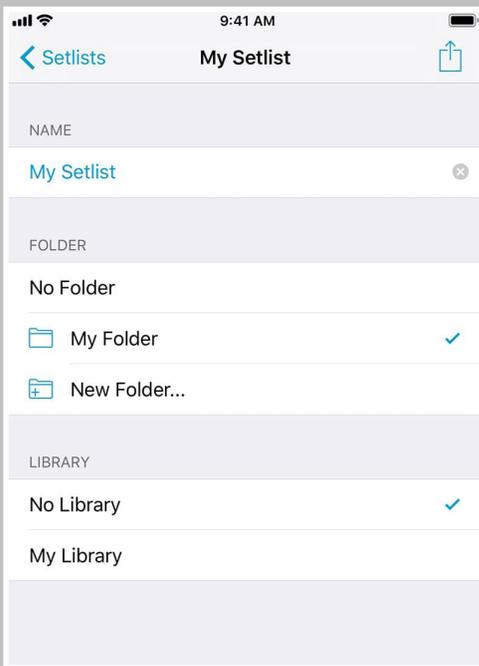
To delete an entire setlist, swipe your finger across it from right to left and confirm by pressing the “delete” button. You can also tap the “edit” button and select one or more setlists, then choose “delete” from the options near the top of the menu.

Use the same process to remove one or more entries from a setlist (note that the buttons will read ‘remove’ instead of ‘delete’ since removing an item from a setlist doesn’t affect the original item).



Use setlists to manually group and arrange your scores, and to quickly navigate between them





## Setlist Metadata

The setlist metadata panel lets you change a setlist's name, manage its folder location, or choose which libraries it belongs to (if you've created any). Tap the circled "i" button next to any setlist to see these options. You can also use edit mode to select several setlists and choose the "edit" option near the top of the menu to batch edit them.

## Setlist Folders

Use folders to better organize your setlists. Unlike in the score menu, where an item can appear in multiple category lists based on its attributes, folders are concrete locations; a setlist can only ever be in one folder at a time, just like on a computer. This allows you to do things like create an "archived" folder for setlists you want to keep but aren't currently using.

To create a new empty folder, tap the "edit" button and then tap the new folder icon with a "+" symbol inside it. Supply a name and your folder will appear at the bottom of the list. Folders can be rearranged and mixed in with your other setlists, so feel free to put them anywhere in your list.

Use the setlist metadata panel to move a setlist into or out of a folder. Tap the circled "i" button next to any setlist or use edit mode to select multiple setlists and batch edit them to change their folder location. Select any existing folder, create a new one, or select "no folder" to move your setlist or setlists.

## Edit Mode Actions

In the main list of setlists, entering edit mode and selecting a setlist will allow you to perform several different actions: delete, duplicate, share, or edit its metadata. If you select multiple setlists, you'll be able to either delete them or batch edit some of their metadata. Below you'll learn more about the actions we haven't already covered in this section.

### Sharing Setlists:

Setlists can be shared in a variety of different ways. You can share a simple text list, a forScore-specific '4SS' file format, or as a single PDF (with or without permanent annotations).

The 4SS file format is the best way to share your setlists with other forScore mini users. You can choose to send just the setlist information, in which case it's up to the recipient to provide their own PDF files (forScore mini uses placeholders for missing files). Or, you can send the setlist and all of its associated files (you can choose whether or not to include score-specific metadata).

### Duplicating Setlists:

Use the "duplicate" action to create a second copy of a setlist. This can be helpful if you have a setlist that you use often but need to tweak for a specific situation—make your changes and the original will remain intact.

# Bookmarks

Bookmarks are a great way to work with a particular section within one of your existing files. They appear in the score menu like any other item, start and stop on the pages you specify, and can even have their own metadata and audio tracks. They also show up in the bookmarks menu, which only shows bookmarks for the score you're currently viewing. You can sort them alphabetically or by page number, and search for a specific title.

## Creating Bookmarks

In the bookmarks menu (the open book icon), tap the + button at the top to open the bookmark creator, and type in a title as well as start and end page numbers. If something is wrong with the values you've entered, the bookmark validator will alert you. Once any errors have been corrected, tap the Save button to finalize your bookmark.

*Tip: for a traditional bookmark that simply opens your file to a particular page, leave the "to" page field empty. Note that these bookmarks aren't visible in the score menu.*

## PDF Text Search (optional, iOS 11 required):

As you type in the title field, forScore mini can search for occurrences of your text within the current PDF document. If a blue badge appears to the right of the text field, tap it to see every instance of your text and select one to quickly set a starting page number.

## Table of Contents:

If your PDF file contains a table of contents, you can view it by selecting the menu's third sort type, "TOC." Tap on an item to go to that page, or tap "Import" to create bookmarks using this information as a starting point.

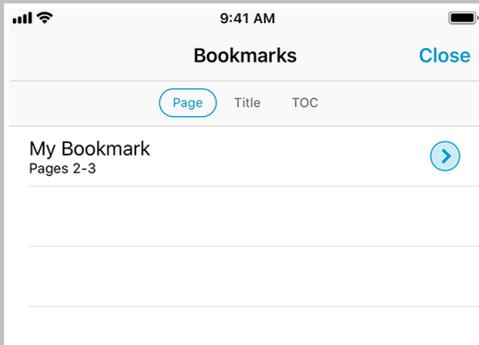
## CSV Files:

If you have CSV (comma-separated value) files, you can use the Indexes feature to create your bookmarks. Add the file to forScore using any of the same methods you use to add PDFs, then tap the "Indexes" browser in the top left-hand corner of the Bookmarks menu and choose your file to begin.

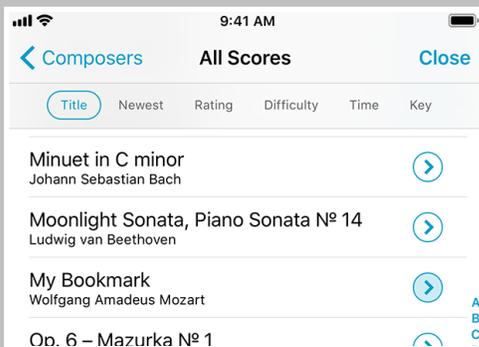
This panel lists the values found in each row of your CSV file, and you can tap on a value to specify how it should be used in forScore. Use the arrow buttons along the bottom to verify that the information in each row looks correct, skipping any header or footer rows and adjusting page numbers if needed. When you're done, tap Save to create your bookmarks.

## Editing & Deleting Bookmarks

To edit a bookmark, tap the round arrow button next to it just like you would with a score. The metadata panel shows two additional fields in the "Layout" section for start and end page—these values can be changed at any time, along with the other standard metadata values. You can delete a bookmark at any time using the same methods you use to delete a score (the bookmark's source file will not be removed). Note that deleting a score also removes all of its bookmarks.



You can tell which items are bookmarks rather than standalone PDF files when the arrow button next to them is filled with a semi-transparent shade of blue



Bookmarks show up alongside the rest of your files in the score menu, and you can add them to setlists independently of their parent file

# Metadata

You can view and edit score metadata several ways: tap the title of the current score in the center of the main toolbar (see the image on the left), tap the arrow button to the right of any item in the menu, or use edit mode in the menu to select multiple items and batch edit their properties.

## Metadata Types

Each score and bookmark in your library can be tagged with a title, rating, difficulty, time, duration, key, and multiple composers, genres, tags, and labels. While typing in a new composer, genre, tag, or label, you may see a suggestion appear in the toolbar above the keyboard. These suggestions, already in use elsewhere in your library, are updated automatically as you type and let you quickly reuse values and save time.

A box on the left-hand side of each text field shows you what will happen when you close the metadata panel. A check mark indicates that the changes will be saved, while an empty box indicates that any changes will be discarded. If you're batch editing multiple files, a check mark indicates that the current value will replace any existing values for each file while a plus symbol indicates that new values will be added to each file's existing information. These boxes update automatically as you edit information, but you can tap them at any time to change them.

To add multiple composers, genres, tags, or labels to your score, use a comma to separate each phrase (i.e. "Favorites, Warm-up pieces"). Your score will then be listed under each of those items in the menu.

## Customization

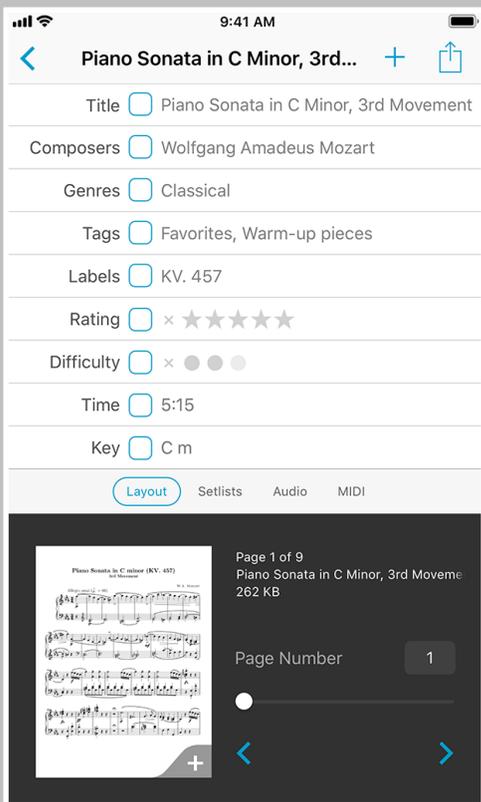
Some of forScore mini's default metadata types might not fit your needs, and you can rename most of them to better suit your situation. (See the image in the bottom right-hand corner of this page.)

## PDF Info Fetching

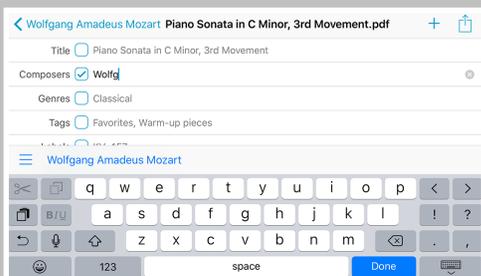
PDF files sometimes contain their own information for title, author, subject, and keywords, which can be used by forScore mini as values for title, composer, genre, and tags respectively. While editing any of these fields, tap "Fetch..." above the keyboard to see if any of this information exists and then decide if you'd like to use it or not.

## Sharing

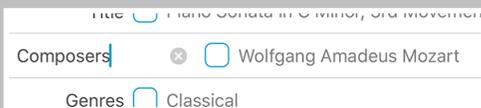
Use the action button in the top right-hand corner of the panel to print the current score or share it via email, AirDrop, or with other PDF-compatible apps on your device. When sharing a file, you can either send the original PDF, an annotated PDF, or you can send a 4SC format that includes annotations, metadata, links, and more. Note that 4SC files can only be used by other forScore or forScore mini users.



Tag your files with different pieces of metadata, and the menu listings will be generated automatically



Tap a suggestion just above the keyboard while typing to quickly add existing values to an item



Tap to rename most of the metadata names to better suit your needs

## Layout

The lower portion of the metadata panel is divided up into several sections. The layout section shows a small thumbnail of the current item (swipe or use the arrow buttons to turn pages). Tap this image to open the score or tap the + icon in the bottom corner to open it in a new tab.

If you're editing a score, you'll see a field on the right that allows you to adjust your page numbers to match printed copies, if needed. You'll also see a margin adjustment slider that lets you increase the size of every page in a score by the same amount at once. This is useful for removing uniform margins, but consider using the "Crop" function in the tools menu to adjust or re-center individual pages more precisely. Cropping takes precedence, so the margin adjuster won't affect cropped pages.

If you're editing a bookmark, this portion of the screen will instead allow you to view and change the bookmark's start and end page numbers.

## Setlist and Library Membership

The "setlists" tab lets you quickly manage which setlists the current score is a part of. Tap a setlist to add the current score to it (a blue checkbox will appear) and tap it again to remove it. If you have any libraries set up on your device, an additional "libraries" section allows you to make similar changes.

## Music Binding

If you have an audio track of a particular piece, you can bind that track to the corresponding sheet music in forScore mini and control playback directly from within the app. Select the "Audio" tab and tap the round + button to select tracks from your iTunes music library, or tap the rectangular + button to view files stored in the app's documents directory. (Audio files can be created using the record feature, imported from other apps, or transferred via iTunes file sharing.)

The media box updates every time you turn the page, disappearing if there is no track associated with the current score or bookmark, so you don't have to spend time looking through your audio library every time you want to listen to it—just press play.

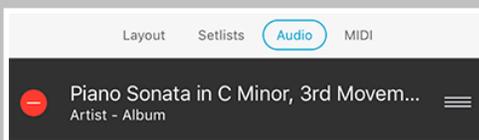
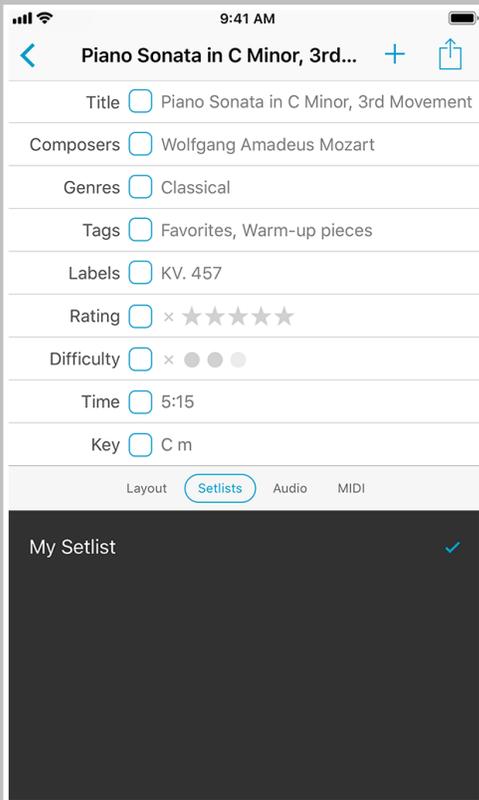
If multiple tracks are associated with the current score, swipe left and right over the album artwork to move between them.

Learn more about working with audio tracks in the next section.

## MIDI

In the "MIDI" section of the metadata panel, you can assign a unique command to each score and open it with some MIDI devices. You can also save a list of commands to be sent out each time that score is opened. If you plan to use the same set of commands more than once, presets make it easy to save them and assign them to other scores later.

*Note: USB-enabled MIDI devices can often connect to an iOS device via Apple's Camera Connection Kit, while others may require an adapter like the iRig Midi.*



Associate each score with an audio track in your music library, and it'll be queued up and ready for you to play whenever you're viewing that piece

# Audio

When needed, forScore mini's audio panel can be found along the bottom of the main view. It appears and disappears along with the rest of forScore mini's controls when you tap the center of the screen.

This panel is available if you're viewing a score that has an audio track or recording associated with it (see the Metadata section for more details on managing audio tracks), or if another app is playing audio and the "use external audio" option is enabled in forScore mini's settings panel.

*Tip: Tap or drag the pill-shaped control at the top of the media box downward to hide it if it's in your way. Enable the "always show playback controls" option in the settings panel and the rewind, play, and pause buttons will remain on-screen even when the media box is hidden.*

## Playback

**Adjustment:** With most audio tracks you can adjust their playback speed and pitch independently. These options are saved automatically per score. (See the sidebar for specific examples and restrictions.)

**Locking:** If your settings allow you to flip between scores, you'll see a lock icon in the media box that prevents you from accidentally flipping to the next or previous score as long as the track is still playing.

**Replay:** Automate your page turns by recording them in conjunction with a linked audio track. Tap the Replay button in the media box (the page with an arrow in it) and turn pages while the track plays. On subsequent plays, pages will turn themselves at just the right moment.

While replay mode is on, small lines in the seek bar will show you where saved page turns are located. An X button will also appear on the right-hand side of the seek bar, allowing you to delete saved page turns and start from scratch.

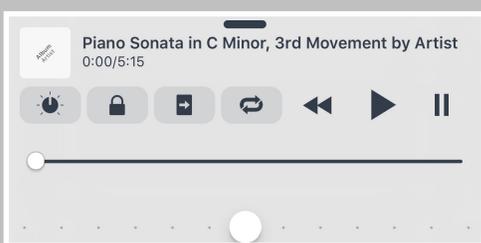
**Looping:** If you'd like to loop a portion of the song, just tap on the repeat symbol and drag the two handles left and right to set the loop time.

## Recording

Whether you'd like to review your practice sessions later or share your progress with friends and colleagues, forScore mini's recording feature can help. Choose "record" from the tools menu, then tap the microphone icon when you're ready. You'll see a red volume meter so you can make sure you're close enough for the microphone to pick up clear audio. Tap again to stop recording, and then save or discard it. Saved recordings are automatically linked to the current score so you can review them later.

The list icon next to the microphone lets you view, share, or delete any recordings you've made for the current score.

*Note: The media box is not visible while recording. Tap the X button when you're finished recording to continue using the media playback controls.*



Audio track adjustment availability depends on each track's properties:

DRMed files or files that haven't been downloaded to your device can be played at 50%, 75%, or 100% of their normal speed.

Other tracks can be played from 25% to 200% of their original speed, and their pitch can be independently adjusted by up to an octave in either direction.



Only recordings made while viewing the current score or bookmark are visible in the recording panel's list view. If you'd rather make the audio file available to all scores, swipe over the recording from right to left and choose "unlink."

# Metronome

## Modes

With forScore mini's metronome, you can use several different methods to keep time. In Audible mode, you'll hear a tick at regular intervals, based on the beats per minute (BPM) that you set. With the Visible metronome, a black border pulses around the edges of your score, allowing you to keep time visually while still being able to see the entire page. If you like, you can use the Both option to both see and hear the metronome simultaneously.

## BPM and Time Signature

For each score in your library, forScore mini saves a unique BPM value and time signature that's automatically used every time you return. Just tap either value to change it with the number keypad. You can also adjust the current score's BPM by rotating the wheel, using the + and - buttons, or by tapping twice in the center of the screen.

## Channels

If you're using headphones or a line out, an icon at the top of the panel controls which channel(s) the audio plays through. Tap to toggle between left, right, and both channels.

## Count In

Use the "Count In" feature to automatically turn off the metronome after a certain number of measures.

## Autoturn

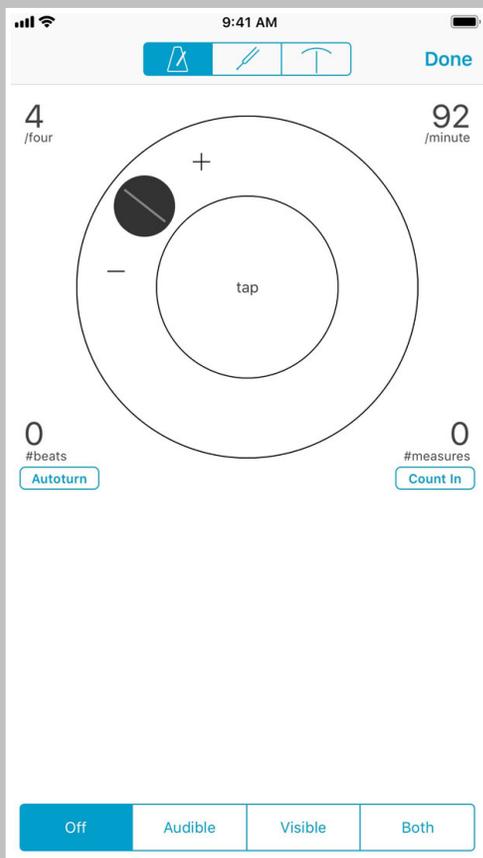
For scores with sequential pages, forScore mini's metronome can also turn the pages for you automatically. To use autoturn, follow these steps:

- For each page of your score, enter in the number of beats on that page or type in the number of measures and the app will do the math for you. If you're on the first page of your score, consider adding a few extra beats as a lead-in.
- Tap the autoturn button to turn it on (if it isn't already)
- Start the metronome by selecting Audible, Visible, or Both

Once the metronome counts up to the number you've specified, the page will turn automatically.

If you're viewing your score in landscape mode, forScore mini will also scroll down when it reaches half of that number. (If you have 64 beats on a page, it'll scroll to the bottom of the page at 32 beats.)

Turn the metronome off at any point to reset the autoturn count.



The Pitch and Tuner utilities can also be found in this panel.

# Search

When you're looking for something specific, the dedicated Search panel is the fastest way to find it. Unlike the search bar in many of forScore's menus, which only allows you to narrow down the list of items displayed within that menu, the Search panel draws from many different sources.

Type in a phrase and you'll see any scores, bookmarks, or setlists whose title contains that text, as well as any category names (composers, genres, tags, or labels), and actions (like "annotate," "share," or "settings").

Tap a score or bookmark to open it, select a setlist to view it in the Setlist menu, and tap any metadata category to open it in the Score menu. If you choose the wrong thing, just reopen the search panel—the text you enter in is preserved if you return within a short amount of time.

## Recent Items

When you open Search (before you've entered any text into the search bar) you'll see the scores and bookmarks you've viewed most recently. By default, forScore mini shows the last five items you opened, but this can be customized in the Search section of forScore mini's settings panel. Below that, you'll see all of the scores and bookmarks in the current library. Once you start typing, these items disappear and you'll see only relevant search results instead.

## Text Annotations and Notes

Not only can you find scores and bookmarks by their title or metadata, but you can also find individual pages whose text annotations or page notes contain the text you've entered in. Each result will show the score or bookmark's name, the page number your text was found on, and a sample of the text with your highlighted result in context (so you can be sure you've got the right spot).

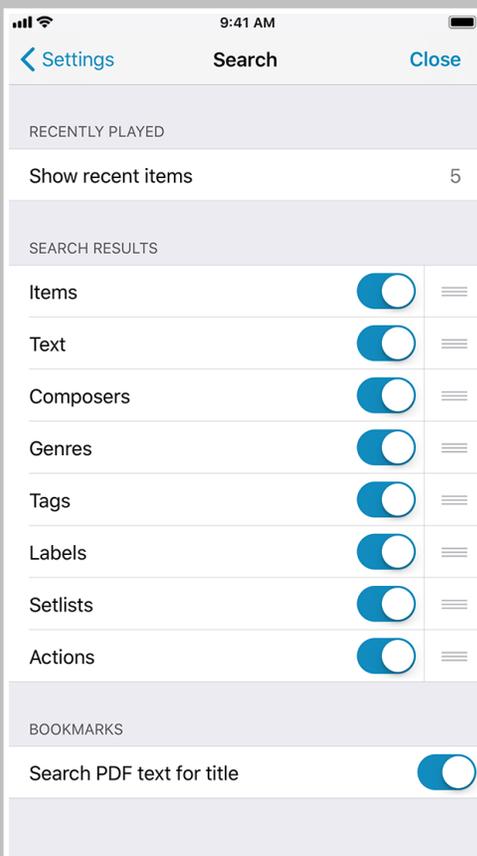
## PDF Document Text

If the PDF document that you're currently viewing is text-based instead of image-based, forScore mini can look for instances of your search query within the contents of the file itself. Like text annotations and page notes, results are shown with the title of the score, the page number, and your search text with surrounding text to provide some context.

*Note: PDF text search is available for users running iOS 11.0 or later.*

## Settings

The Search submenu in forScore's settings panel allows you to customize the search experience to better suit your needs. Specify how many (if any) recent items you want to see when you first open the search panel, enable or disable certain kinds of results and reorder them so that some of them appear higher in the list than others. You can also use this panel to enable or disable automatic PDF text searching in the Bookmarks menu.



The "Search" section of forScore's Settings panel allows you to adjust the number of recent items shown, which kinds of results are shown (and in which order), and lets you enable or disable PDF text searching when creating bookmarks.

# Tools

The tools menu gives you access to many of forScore mini's functions. Some of these items are explained in greater detail throughout this guide.

**Annotate:** Use your finger to draw directly on the page, add text annotations, or use the stamp tool to add common markup symbols.

**Links:** Create links between two pages of the current score to quickly handle repeats.

**Buttons:** Place tappable circles on a page to trigger certain actions.

**Rearrange:** Move, duplicate, rotate, or delete pages of your score.

**Versions:** Save and restore complete sets of metadata, annotations, links, and notes for any PDF file in your library.

**Notes:** Keep track of important page-specific information.

**Crop:** Maximize your screen real estate by fixing crooked scans, removing excess margins, and getting the best possible view of each page.

**Share:** Print a score, send it to another PDF-compatible app on your device, or share it via email, AirDrop, and more.

**Services:** Download files right to your library or save them to the cloud for safe keeping and easy access.

**Darkroom:** Create PDFs from images in your device's photo library or use the built-in camera to take pictures of each page on the spot.

**Templates:** Create new PDF files by picking a style and number of pages.

**Piano:** Use this keyboard to work through tricky measures on the go.

**Record:** Review or share your practice sessions.

**Perform:** Temporarily disables most of forScore mini's gestures and auxiliary features, letting you focus and turn pages even more reliably.

**Cue:** Broadcast page turns and/or program changes to nearby devices.

**Console:** Edit metadata and add files to your forScore mini library from a computer on the same wi-fi network with this web-based interface.

**Devices:** Connect select Bluetooth Smart accessories to forScore mini, such as IK Multimedia's iRig BlueBoard or FiftyThree's Pencil.

**Dashboard:** See what you've been playing and set goals, send reports, or share your progress with friends.

**Backup:** Create and restore from forScore mini library backups.

**Support:** Learn more about forScore mini, see which version you're using, view library statistics, or send us questions and comments.

**Settings:** Customize forScore mini to better suit your needs.

## EDIT THIS SCORE

 Annotate

 Links

 Buttons

 Rearrange

 Versions

 Notes

 Crop

 Share

## ADD SCORES

 Services

 Darkroom

 Templates

## MORE

 Piano

 Record

 Perform

 Reflow

 Cue

 Console

 Devices

 Dashboard

 Backup

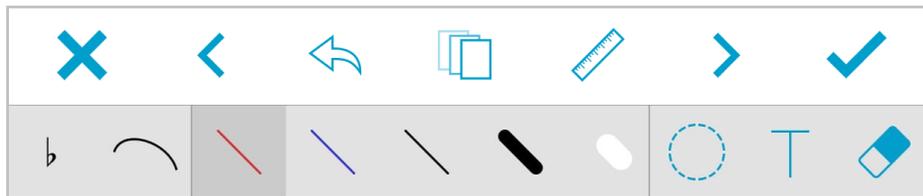
 Support

 Settings

Tip: Many of these actions can be assigned to three customizable gestures via the settings panel

# Annotation

Add notes to your score by selecting “Annotate” from the tools menu or by tapping and holding your finger on the page for a few moments. When you do, a new set of controls will appear along the bottom of the screen:



Tap the cancel (x) or done (check mark) buttons to discard or save your work, respectively, or use the < and > buttons to save your work and continue annotating on a nearby page. Tap the undo button or tap and hold for redo if you make a mistake. Layers and the Ruler tool are both discussed in depth later in this section.

On the second row of controls you’ll see stamps, shapes, and a scrolling view of your drawing presets. Tap a preset to use it, and tap again to edit, move, or delete it. Use the last item in this area (+) to add new presets.

On the right side you’ll find more tools like a selection tool, a typing tool, and an eraser so you can remove annotations and delete links or buttons. Tap the eraser tool a second time (or tap and hold it) to clear the page.

## Stamps & Shapes

Some musical symbols cannot be typed into a text box or drawn precisely, but with the “Stamps” and “Shapes” tools you can place these kinds of annotations on the page quickly and easily. Tap to select either tool, then tap again to see all of the available options for each. Select one and drag your finger around on the page to see how they work. At the bottom of the panel, use the size slider to adjust a stamp’s size or a shape’s line width.

*Tip: Use the “tint” tool to color your stamps on the fly. Tap “tint” at the top of the stamp picker, set a color and enable tinting by flipping the switch in the top right-hand corner, then use the stamp tool like you normally would. You can change the color of each shape individually by tapping the arrow next to it. Note that tinting does not affect any existing annotations on the page.*

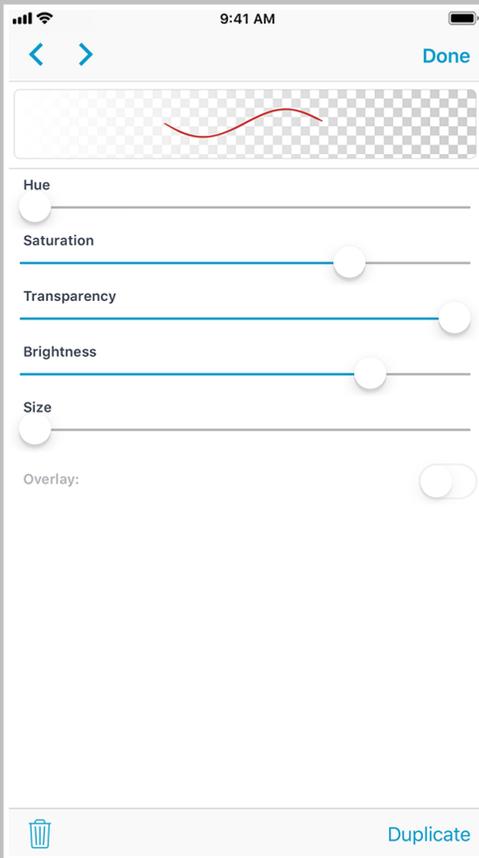
You can add your own stamps by pressing the + button or edit any existing stamps by first selecting them, and then tapping the action button. This will launch the stamp editor, where you can draw or edit your design.

You can also create stamps by importing your own images. First, create an image on your computer (it must be a PNG image, and for best results should be 144x144 pixels), and add it to forScore mini via iTunes File Sharing. Then, create a new stamp and press the “Import” button to see the PNG files on your device. Tap on one to place it on the canvas and continue to edit it or simply save it as is.

*Tip: The import list allows you to delete images you no longer need: just swipe from left to right over the item in the list and tap “delete” to confirm.*

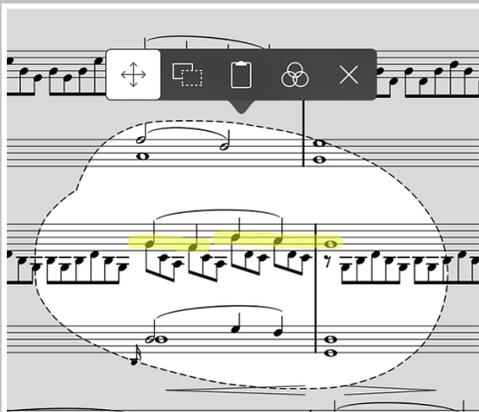


In most cases, tapping the currently selected tool presents additional options



Tap a drawing preset once to select it, then tap again to edit it

Use similar gestures to adjust the size of the eraser or to switch between freeform and rectangular modes when using the selection tool



Tap within the selected area to show or hide the action popup

If you use particular stamps more often than others, you can rearrange them as needed. Tap and hold a stamp for a moment, then drag it around on the screen, and the others will move out of the way. You can also delete a stamp by selecting it and then tapping the trash can button at the bottom of the panel.

## Drawing Presets

Drawing presets allow you to create an unlimited number of different styles perfectly tailored to your needs. Tap the + button to create a new preset, or edit any existing preset by tapping it once to select it and then tapping again to show the editor. You can adjust the hue, saturation, transparency, brightness, size, and overlay mode for each preset. Use the arrow buttons to rearrange your presets, or use the buttons in the toolbar along the bottom of the editor to delete or duplicate your preset.

## Ruler

When you need to draw straight lines or precisely align your stamps and shapes, the ruler tool is ready to help. Just tap the ruler icon to show or hide it. Reposition it by dragging it around on the page, or rotate it by placing two fingers within the ruler and spinning them clockwise or counter-clockwise: as you do, a dot will appear showing you the current angle. When you get close to 0°, 45°, or 90° (or multiples of them), the dot will turn blue and the ruler will snap to that value.

Place your finger near either edge of the ruler to draw a straight line or to position your stamp or shape along it. If you start drawing further away from the ruler and draw into it, your markings will stop at the edge.

## Selection Tool

The selection tool allows you to edit a specific area of drawn annotations after they've been made (that includes stamps and shapes). Draw around the annotations you want to edit and you'll see several new actions appear in a dark popup near your selection. The move tool, active by default, lets you reposition your annotations: simply drag your selection around on the page, then tap outside of it to commit your changes or tap within the selected area to continue editing it.

You can also choose from one of the other four actions: Duplicate, Copy, Adjust, and Clear. The duplicate action creates a copy of your drawings that you can then drag to reposition, and Clear erases the selected area.

Copy saves the currently selected drawings and lets you paste them on another page, even in another file. With the selection tool active, tap to place the copied drawings onto the page (drag to reposition if needed).

The Adjust action lets you re-color your annotations by changing their hue, saturation, brightness, and opacity.

*Tip: When you choose the Adjust action, forScore mini scans your selection to find the dominant color and uses it to set up the adjustment sliders. All affected annotations will immediately adopt that color, and you can change the slider values to suit your needs from there.*

## Text Annotations

Text annotations can be used to display custom text directly on the page at all times. With the “type” mode selected, tap anywhere to create a text box. You’ll see two small handles on either side of the box: the left handle allows you to move the text box around the screen, while the right handle allows you to change the width of the box. When you do so, the text box automatically adjusts its height to ensure that all of the text is visible.

Tap inside a text box to edit it and you’ll see a toolbar appear with several buttons on it. The “Format” button allows you to change the font, size, and color of an annotation (save them as the default settings for any new text boxes if you like). The “Delete” button removes the current text box, and the “Done” button completes the edit. You can also tap anywhere on the page outside of the text box to finish editing and dismiss the keyboard.

## Layers

Use layers to separate your annotations, allowing you to work with one set of markings without affecting any other. The Layers panel lets you view and manage layers, pick the active layer, and reorder, hide, duplicate, clear, or combine them.

## Settings

By default, the last tool you were using to annotate remains selected the next time you enter annotation mode. In the “Annotation Tools” section of forScore’s settings panel, you can change this: either choose which tools can be saved between annotation sessions and which should not, or pick a default drawing preset that will be active each time you start annotating.

## Variable Width

Another option in the settings panel is called variable width. As you draw, lines can become bolder based on how quickly you move. This option lets you choose how pronounced the effect should be.



# Links & Buttons

## Links

Create a link between two points in your score to handle repeats with a single tap. Every link that you create consists of two components: a blue circle and an orange circle (an activation point and a target point). Blue circles are visible on the page at all times and take you to their destination when tapped. When you arrive, the corresponding orange circle flashes twice, showing you where to begin playing, but remains invisible the rest of the time.

*Note: Links don't have to be on different pages, they can also be used as visual cues on the same page. If you're using forScore mini in landscape mode, it even scrolls up or down if necessary.*

To create a link, select "Link" from the tools menu, and you'll see a new screen appear with two copies of the current score displayed side-by-side. You can use the seek bar or swipe to flip through the pages of either stack.

Tap anywhere on the left-hand page to create a blue circle, and tap anywhere on the right-hand page to create a corresponding orange circle. Both points are required to create a link. If you need to adjust the placement of a link point, simply tap the screen again in the correct position and the circle will move.

*Tip: Tap and hold the page for a moment and a magnifying glass will pop up just above your finger, letting you position your links more precisely.*

## Buttons

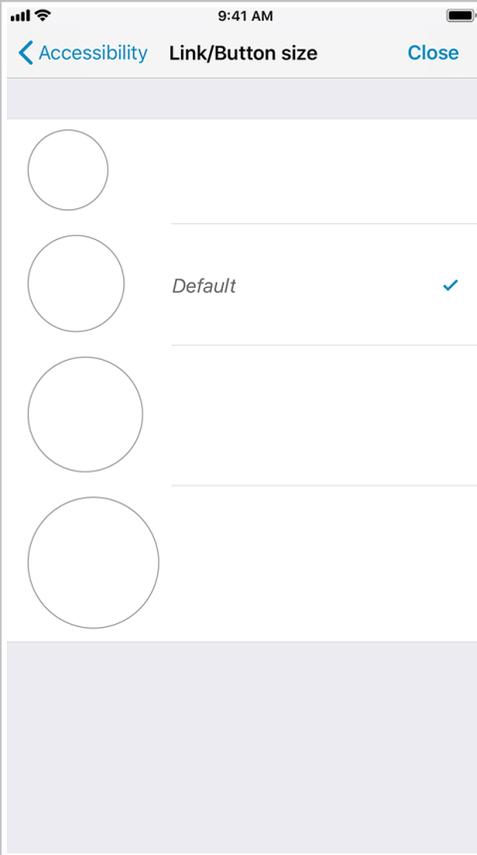
Like links, buttons are tappable dots that can be placed anywhere on the page. Unlike links, however, buttons work alone and can be customized to perform a wide range of actions. They can open a score or bookmark, send MIDI commands, start or stop the metronome or change its tempo, control audio track playback, play a pitch, display a text note, and more. Each type of action is color-coded and can be customized for easy recognition.

Although you set up your button's action when you create it, you can still edit it after you've created it: just tap and hold your finger on the button until the editing interface appears.

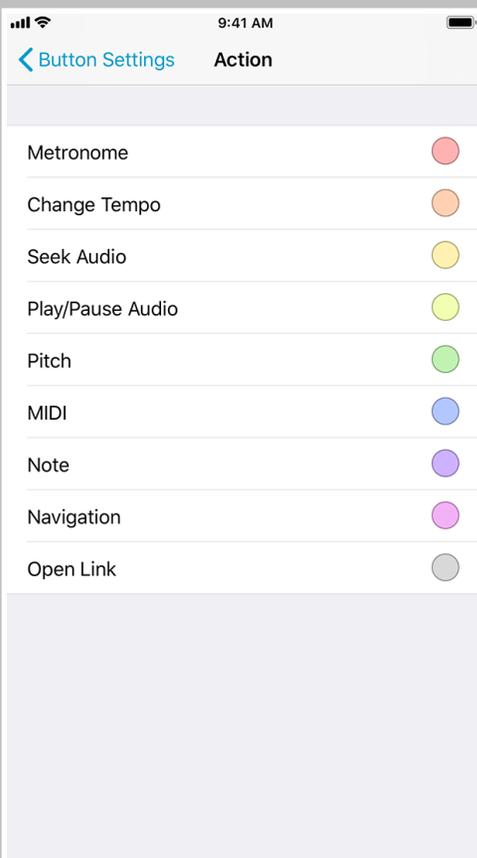
## Editing Links and Buttons

To delete or reposition a link or button, enter annotation mode by choosing "Annotate" from the tools menu or by tapping and holding the page for a few moments. With the erase tool selected, tap a link or button to remove it. If any other tool selected, links and buttons will appear as white circles that can be dragged around on the page.

Note that only the blue 'source' dot of a link can be edited after creation. If you need to move the orange 'destination' dot, you'll have to delete the link and recreate it.



Customize the size of links and buttons in the Accessibility section of forScore's settings panel to better suit your needs.



Tap and hold a button to edit it

# Rearrange

Take charge of your music by reordering, duplicating, rotating, or removing pages. Save the results as a new file or replace the original.

## Editing a Score

While links are a great visual way of dealing with repeats, they still require that you reach up and tap on the screen. Rearranging a score in advance, however, ensures that the next page is always the correct one—it's great for musicians who use the autoturn feature or a foot pedal to turn pages.

While viewing the score you'd like to edit, choose "Rearrange" from the tools menu. Drag pages around on the screen to rearrange them, and use the toolbar along the bottom of each thumbnail to remove, rotate, or duplicate it, or to create a new section beginning with it (use sections to split up large files).

To move multiple pages, drag one and then tap additional pages to collect them into a stack. Move them to your desired location and lift your finger to place them in the order they were picked up, or tap Cancel if needed and they'll each go back to their original position.

## Adding Pages

While rearranging one file, tap the new + button at the bottom of the screen to add the pages of another score or bookmark to your workspace. You can also access the Templates feature here to add one or more pages.

## Saving a Score

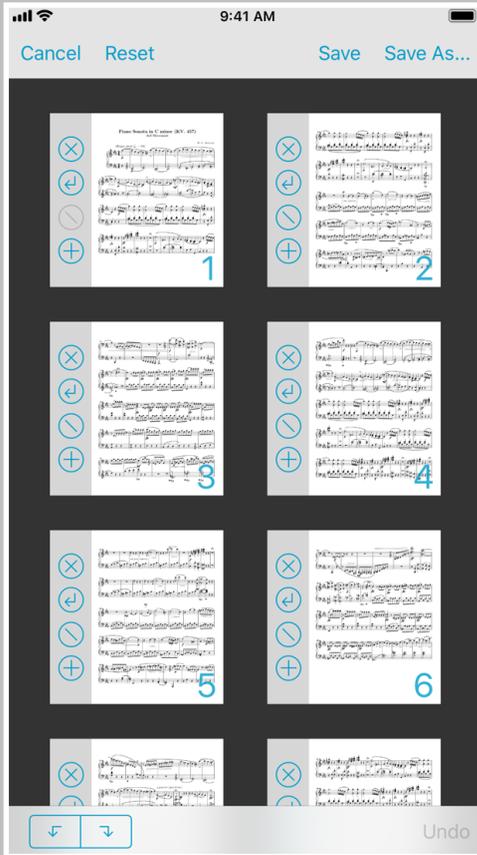
When you're done adjusting your score's layout, tap "Save As..." to create a new file or "Save" to permanently overwrite the original file. "Save As" copies the original score's information but does not duplicate its versions. "Save" overwrites the original file and cannot be undone, and all score information (including versions) is updated as needed.

In both cases, Links and Bookmarks are preserved and updated as long as their start and end pages haven't been removed and, in the case of Bookmarks, that they haven't been inverted (a bookmark's start page must precede its end page).

Keep in mind that some files may use special fonts that the iPad cannot reproduce—before overwriting any file, we strongly recommend that you save a copy first to ensure that the results are usable.

If you've split the file into multiple sections, the "Save" button won't be available, but you can use the "Save As..." button to create a set of new, sequentially numbered files.

*Tip: Use the "white marker" annotation preset or the rectangle shape to cover up the portions of repeated pages that you don't need to play again. Since each page includes its own annotations, you will still be able to see that information on other copies of the page.*



Rearrange is available for most PDF files (DRMed or password-protected files cannot be modified)

# Versions

## About Versions

Scores in your library can have a lot of information associated with them, including metadata, annotations, links, notes, and more. In some cases, you may prefer to work with the same file but with different sets of information depending on the context.

A music teacher, for instance, might want to keep multiple sets of information for the same piece depending on the student they're currently working with. Some people prefer to keep separate notes for practice or performance. For others, it's a way of backing up and restoring individual scores independently of the rest of their library.

In the tools menu, choose "Versions" to show the version tray. From here you can view all of your versions for the current score, create new ones (up to 24), and update or restore an existing version.

## Creating Versions

As long as you have fewer than 24 versions, the last item in the tray (all the way to the right) will be the "Add Version" button. Tap it, enter in a name, and tap the "OK" button to create your new version. You'll see it appear at the end of the list with an arrow next to the title, indicating that it's the most current version.

## Viewing Versions

Swipe left or right to see up to 4 pages of versions (3 in landscape orientation), and tap any version to see more information about it. You'll see the version's screenshot, date created, and metadata.

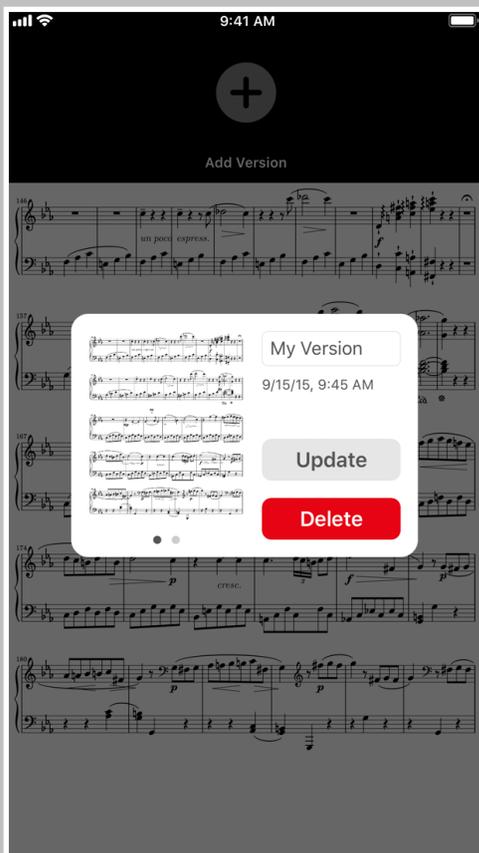
## Working with Versions

Any time you create or restore a version you'll see an arrow appear next to its name, indicating that it's the most current version. Changes that you make to your score during this time aren't saved automatically, but you can update it at any time by pressing the "Update Version" button in the version's info panel, and if you decide to restore another version you'll be prompted to update the current version first.

*Note: Versions can be created for both files and bookmarks, but it's generally a good idea to stick with one or the other for each PDF in your library. Using versions with a file and its bookmarks concurrently is not recommended.*



The Versions tray is where you manage and use multiple sets of information for a single file



Tap any version to find out more about it, restore it, update it if it's the current version, or delete it

# Services

## Getting Started

The Services panel lets you work with files stored in cloud storage services ([Dropbox](#), [Google Drive](#), [Microsoft OneDrive](#), and [Box](#)) or to download your purchases from content providers ([Musicnotes.com](#)). Tap the + button in the top left-hand corner to pick which services you use. When you're done, select a service from your accounts and log in when prompted if needed.

## Cloud Storage

Once you've logged into a cloud storage account, you can navigate through your folders and see your files. You can upload, download, move, and delete supported file types including PDFs, forScore-specific formats (4SC, 4SS, and 4SB), audio files, comma-separated value (CSV) files, and some text formats (TXT, RTF, DOC, and DOCX) which are automatically converted to PDFs for you once downloaded.

Tap on a file to download it, and a copy will be saved into your forScore library. If a file with the same name already exists in your library, you'll be asked to duplicate or overwrite the file, or to cancel the transfer. Tap the stop button in the middle of the progress wheel to cancel a file transfer.

You can also move your files: while in edit mode, tap to select one or more files, then choose "Move" from the control bar. The selected files will turn blue, and you'll be able to select directories or use the back button to navigate to the desired destination. When you're ready, tap the "Move" button once again to send the selected files to the current directory.

To upload files, tap the upload button in the control bar. You'll be presented with a searchable list of all the files in your library, and you'll also see an option in the lower right-hand corner to use the forScore-specific 4SC file format which includes annotations, metadata, links, and more. Tap a file to select it, then tap the "Upload" button in the upper right corner of the menu to begin the upload process.

## Files (iCloud Drive) and Other Services

The Services panel can also be used to access iCloud Drive and third-party cloud storage (including FTP, SFTP, or WebDAV servers) through a system-provided interface. Visit [forScore.co/kb/cloud-services/](https://forScore.co/kb/cloud-services/) to learn more.

## Content Providers

[Musicnotes.com](#) purchases are listed by title and composer (or primary performer) and can be sorted by these values, date purchased, or by key. Tap any item to download it as a standard PDF file, or tap "Edit" to select multiple files and download them all simultaneously.

*\*While we provide access to some third-party services through our app, we have no control over their service or terms and conditions, both of which are subject to change at any time. Please be sure to visit their respective websites if you have any questions prior to signing up or using these service.*

# Darkroom

Quickly digitize any paper score on the go. Snap a photo of each page with your device's camera or add images from your Photos library. Adjust your images as needed, then let forScore mini transform them into a PDF file. Get high-quality results without getting anywhere near a flatbed scanner.

## Getting Started

To begin, tap the camera icon and take a photo of each page in order, then tap the Done button. Or, to use existing images instead, tap the photo icon and select each image you'd like to use.

*Note: The first time you use either of these methods to add photos to Darkroom, iOS will prompt you to grant forScore mini access to your device's camera and/or photo library. Darkroom cannot function without permission to access at least one of these. If you decline, you will not be prompted a second time; you must use iOS' Settings app to change these permissions. (In the "Privacy" section, see "Photos" and "Camera.")*

Tap on any thumbnail to see a full-screen preview, or tap and hold one for a moment to drag it around on screen and reorder your images as needed. If you need to remove an image, tap the blue circled "x" in the top left-hand corner of each thumbnail. When you're done, tap the "Save" button and supply a filename to create your new PDF.

## Rotating Images

While viewing a full-screen image preview, use the arrow buttons in the top right-hand corner of the screen to rotate your image 90° clockwise or counter-clockwise. You can also rotate images from the main thumbnail view by placing two fingers on a page and rotating them.

## Adjusting Images

For the best results, you need to account for lighting and other factors that can turn your perfectly legible sheet music into a muddy mess.

Darkroom's Enhance tool analyzes your photo and applies a set of filters to give you much better results with just a single tap. It adjusts the tone, highlights, and shadows of your image automatically and intelligently. For more fine-grained control, use the Adjust tool to manually change your image's saturation, contrast, and brightness levels.

These tools are available from the main thumbnail view and in each full-screen preview, so you can use them to adjust a single image or all of your images at once.

## Cropping

Perfectly framing your shot can be tricky, but with the Crop tool you don't have to. While viewing a full-screen image preview, select the Crop icon to begin and forScore mini will attempt to automatically detect the edges of your page. Drag the handles to perfectly align each corner—they move independently of each other, allowing you to account for perspective and rotation while removing excess margins.

Done



# Cue

Our remote control system, Cue, allows you connect multiple iOS devices together wirelessly to coordinate your page turns and program changes. It uses both Wi-Fi and Bluetooth to discover and communicate with nearby devices, and performance may vary based on environmental factors.

## Roles

In order to properly coordinate your actions, Cue requires you to pick a role when initiating or joining a session. A “Leader” is responsible for turning pages and navigating between different scores or bookmarks in their library. A “Follower” lets their device follow along automatically, either by responding to page turns, program changes, or both.

*Note: A Program Change is how we refer to navigation between songs. When a leader opens a new score or bookmark from their library or flips from the end of one piece to the beginning of the next, that’s a Program Change.*

Tap the Cue icon in the tools menu or from the main view’s control bar, if available, to choose your role: “Lead,” “Follow Page Turns,” “Follow Program Changes,” “Follow Both,” or pick “Dual Page mode” (discussed later in this section). The Cue icon will change based on your current status and role, and you can tap this icon a second time to open the Cue connection panel:



Your device is disconnected, tap this icon to begin using Cue



Your device is available and looking for nearby devices



Your device is Leading and connected to one or more peers



Your device is Following a nearby device

## Device-Specific Considerations

Page turns work differently depending on your device’s orientation and settings. If a leader is using their device in landscape orientation, forScore will send page up and down messages but only other landscape-oriented devices will respond. Similarly, half-page turn messages can be sent by a leader who uses them, and only the connected devices who are using portrait mode and who have half-page turns enabled will see the effect.

## Dual Page Mode

When using forScore or forScore mini on one device and the standalone Cue app on another, a special Dual Page mode lets you view two full pages side-by-side. One page appears on the primary device, and Cue displays the next page wirelessly. Tap or swipe on either screen to advance, two pages at a time. Links and buttons are also supported on either screen, so you don’t have to worry about which device you need to tap.

# Devices

## Bluetooth Smart

Newer Bluetooth devices use Bluetooth 4.0 (aka Bluetooth Smart). It's far more power efficient than earlier versions of Bluetooth, so you'll get better battery life for both your iPad and your gadgets. If you have a Bluetooth Smart-compatible device, forScore mini can connect to these accessories:

- IKMultimedia iRig BlueBoard & iRig BlueTurn
- Turn Touch Remote
- FiftyThree Pencil\*
- Adonit Jot Script/Touch\*
- Wacom Bamboo fineline\*

To learn more about any of these accessories, visit [forScore.co/extras](https://forScore.co/extras) and use the links there to visit each device's product page.

## Managing Devices

When you open the Devices panel, it will begin scanning for any nearby peripherals that it knows how to communicate with. New devices show up in the 'available' section while any devices that you've previously used appear in the 'favorites' section. Favorite devices automatically reconnect so you don't need to return to this panel each time you want to use them.

Tap on any device in either list to connect or disconnect it, and tap the info button on the right-hand side of any connected device to see more information about it and configure it, if applicable.

Use the switch in the bottom right-hand corner of the panel to turn forScore's device scanning on or off as needed.

## Options

The first time you connect to a stylus, you'll be asked if you're right- or left-handed. We use this information to provide palm rejection, so you can write with a stylus with your palm or wrist on the screen. Tap the info button next to your stylus to change the 'hand' setting if needed.

A device's buttons can be used to trigger common actions via the "Page turners & shortcuts" section of the settings panel. Click or click and hold to configure up to two actions per physical button.

## AirTurn PED

The Devices panel also provides access to the AirTurn SDK, which allows you to use your AirTurn PED with forScore mini.

*\* Adonit, Wacom, and FiftyThree accessories are no longer actively supported and forScore mini's integration with them is offered as-is.*

# Dashboard

If you allow it, forScore mini can track which scores, bookmarks, and setlists you view and for how long. With this information, the Dashboard feature in the tools menu can give you valuable insights into your playing habits and helps keep you on track. Three tabs along the bottom of the screen give you different ways of viewing and using this information:

## Analytics

The Analytics tab shows information collected over the past ninety days. It can show you statistics for either items (scores and bookmarks) or setlists, and displays either the total amount of time you spent playing or the number of views.

Tap on any day to see a detailed list of items or setlists in the lower portion of the screen. This list shows everything you viewed on that particular day and is sorted from most played or viewed to least. You can tap on any item or setlist in this list to see how often you've viewed or played it over the past ninety days.

## Goals

The Goals tab helps you reach a minimum number of views or amount of play time for each day, week, month, or all time. Goals can be item- or setlist-specific, or they can be more general.

The main list of goals shows your current progress as a circular view and, if your goal is time-specific, uses an additional view in the lower left-hand corner to show your results for the previous term. For instance, a weekly goal would prominently display this week's progress with a smaller view for last week's results.

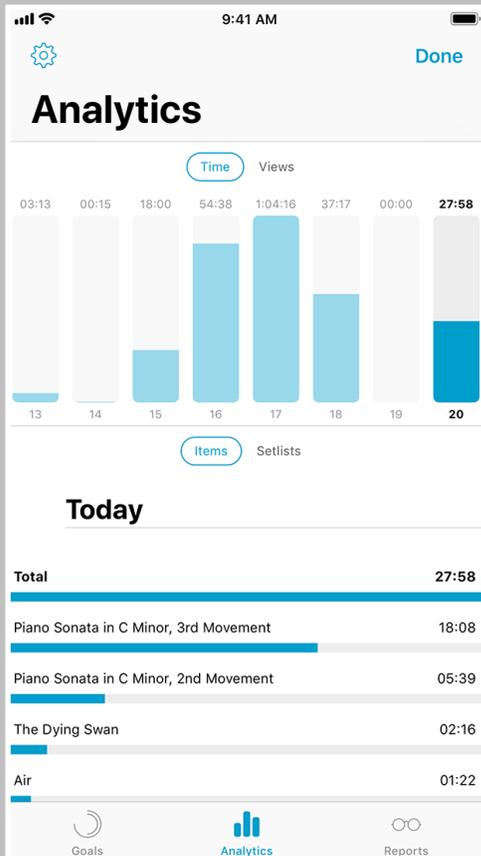
Tap a goal to edit it or to view your results for the past ninety days. The timeline along the top of the screen shows your results for the past ninety days: tap on any of these graphics to share your progress with friends or colleagues via email, message, Twitter, Facebook, and more. It's a great way to hold yourself accountable or to share your success.

## Reports

The Reports tab lets you periodically share more detailed information with a colleague or instructor as a PDF document. To begin, create a new report template and tap the circled arrow button to edit it.

Here, you can customize your report to display progress for all items and/or setlists or for one in particular. Select day, week, or month, and choose how far back you'd like the report to go. Once you're done, tap the back button and tap the report to view its results and use the action button in the top right-hand corner to share it.

*Note: The information forScore mini collects is stored locally on your device. It doesn't get sent to any servers, and won't be shared with anyone unless you specifically choose to do so. Visit [forscore.co/privacy](https://forscore.co/privacy) to learn more.*



# Sharing & Files

With iOS 11, Apple introduced new ways for apps to work together that has important implications for the documents you store within forScore mini and share with other apps.

## Documents

Every app has its own Documents directory where they can store a user's information. If you've used iTunes' File Sharing panel before, this is the directory you were working with.

forScore's Documents directory can also be accessed directly through the Files app included with iOS 11. Choose "On My iPhone" from the Locations list in the app's sidebar to see app folders for forScore mini and any other apps on your device that store data in their own Documents directories.

Working within forScore's Documents directory through the Files app carries the same implications as working within the iTunes File Sharing panel does—delete files here and they'll be permanently removed from forScore mini. We do not recommend renaming PDF files here as doing so will remove that file's metadata, annotations, and more.

*Note: If you want to rename PDF files stored in forScore mini's Documents directory, use the metadata panel to change its title instead and the filename will be updated to match it as closely as possible.*

## Considerations

In older versions, files stored within forScore were only accessible through the app or iTunes' File Sharing panel. Sharing content with other apps always sent a copy to the other app, so the original was never modified.

Now, forScore supports in-place editing which allows two apps to access the same file in some cases. If the other app has been updated to support this feature, it can open and display the file without copying it first. If that app provides editing capabilities and you use it to modify the document, those changes will immediately take effect within forScore as well.

It's important to note that this applies to all of the files stored in forScore's Documents directory, no matter how you're accessing them. Whether you're sharing them from within our app, accessing them through the Files app, or using a third-party app to open it, these documents can now be permanently edited by the apps you work with.

Files not stored in the Documents directory are not affected. For instance, when you use forScore to share a score as an annotated PDF or a 4SC file, these files are created on-demand and are not stored permanently within forScore. Since they're stored in a different location, other apps can't modify them, they can only copy or transmit them (such as uploading a file through the Dropbox app).

# Backups

Every app on your device has a standard set of folders that it uses to store information. The Documents directory is commonly used to store user content, like documents you add to (or create within) an app. Other data like app settings, which are designed to be changed through the app's interface and not edited directly, are stored in a number of private app directories instead.

## 4SB Backups

With forScore's Backups panel, you can create a forScore Backup (4SB file) that packages all of forScore's private information into a single document that is saved alongside the rest of your files in forScore's Documents directory. If you then copy all of the files in this directory—including the 4SB file—to a computer or cloud storage service, you'll be able to restore forScore back to its current state without affecting any other apps.

As a safeguard, forScore creates an automatic 4SB Backup every time you launch the app. It keeps the most recent copy and a copy from the last calendar day you used it.

*A backup file can not be used on its own. It only contains forScore's information about your documents, not copies of your documents themselves. Backups are a good choice when copying all of your files to a computer through iTunes' File Sharing panel.*

## 4SB Archives

You can also use the Backups panel to create a forScore Archive which is similar to a backup (it also uses the 4SB file extension) but it includes a copy of every file in forScore's Documents directory as well. This means that in order to create an archive you need to have significantly more free space available on your device, but it can be used to restore your library or migrate to a new device by copying the single archive file.

*An archive file can be used on its own to recover or migrate your forScore library to a new device. Archives are a good choice when uploading your library to a cloud storage service for safe keeping.*

## forScore Backup Utility

Mac users running macOS 10.13 or later can use the forScore Backup Utility to archive their forScore library directly to their computer via a USB cable. This can be useful if you want to create a complete 4SB Archive but don't have sufficient space available on your device. Learn more and download this utility here: [forScore.co/backup-utility](https://forScore.co/backup-utility)

## Apple Backups

In most cases, whole-device backups to iCloud or iTunes (depending on your settings) are sufficient to get you back up and running if something happens to your device. The backup techniques described in the sections above are intended to provide an additional layer of security, not to replace this essential part of protecting your data.



Tap the + button to create a new backup, or tap an existing backup to restore its contents

When you delete a score or setlist, it is moved to the Recently Deleted section of the Backups panel. You can recover it for up to seven days or permanently erase it, if needed.

# Settings

## Navigation

**Gestures:** Configure forScore mini's taps, swipes, and shortcuts to better suit your needs.

**Page turners & shortcuts:** Use keyboard shortcuts, MIDI signals, or page turner pedal presses to trigger certain actions, and choose to allow page turners to function while in annotation or crop mode.

**Search:** Adjust which kinds of results are shown and in which order, how many recent items are listed, and more.

**MIDI:** Toggle the ability to send and receive MIDI commands or use the piano keyboard as a synthesizer.

**Page transitions:** This setting affects the transition animation that is used when turning pages.

**Flip between scores:** Choose when to advance from the end of one score to the beginning of the next, like a book.

**Two-up page advance:** Choose whether to advance one or two pages at a time when using two-up mode.

**Up next:** See the next queued item's title in the status bar when you reach the last page of the current item.

## Appearance

**Gradient effect:** Applies a subtle gradient effect to pages, simulating natural lighting and reducing eye strain.

**Sepia effect:** Tint forScore mini's views for a warmer, more natural color.

**Always show seek bar:** The seek bar (the dotted line along the bottom of the page) usually appears and hides along with the control bar. Enabling this setting keeps it on the screen at all times.

**Always show tab bar:** Prevents the tab bar from hiding automatically when only one tab is open.

**Always show playback controls:** Shows the rewind, play, and pause buttons even when other controls are hidden.

**Show status bar:** Controls whether the system status bar along the top of the screen is visible while using forScore mini.

**Scale text annotations:** Enables a more accurate method of scaling text annotations when switching between portrait and landscape mode. Because this affects existing annotations, it is disabled by default for users of previous versions.

**PDFKit Page Rendering (iOS 11):** Improves compatibility and annotation rendering with slight aesthetic differences.

**PDF annotations:** Choose which kinds of embedded PDF annotations should be visible (and interactive, if applicable).

## Metadata

**Score menu includes bookmarks:** Bookmarks typically appear in two places—the bookmarks menu itself, and alongside other files in the score menu. Disable this to hide bookmarks from the score menu.

**Smart sorting:** When enabled, items are sorted by ignoring common prefixes like "the," "a," or "an."

**Sort composers by first name:** Alphabetizes by first word in the composer value instead of the last word.

**Automatic fetching for new files:** Allows forScore mini to scan new files for PDF metadata and import it automatically.

**Use external audio:** When forScore mini launches, it checks to see if the device's audio system is currently in use. If so, this option will allow you to control playback of that track, temporarily overriding any linked tracks.

**Use system audio engine:** Uses iOS' shared music player instead of forScore mini's internal engine, whenever possible.

## Annotation

**Annotation tools:** Control how forScore mini saves your last-used preset between annotation sessions.

**Variable width:** Adjust how much forScore mini should emphasize your drawings based on speed.

## System

**Auto-lock:** Disable this setting to prevent your device from sleeping automatically while forScore mini is open.

**Accessibility:** Change the app's tint color, metronome sounds, and adjust interface elements to better suit your needs.

**Legacy features:** Enable older features that have limited support and may be removed in future updates.

**Restrictions:** Set a passcode and hide certain features.

**Reset:** Restore default app settings, stamps, or drawing presets, or scan your library and remove any unused data.

# Drag and Drop

If you're using iOS 11 or later, Drag and Drop gestures make working with forScore mini much faster and more intuitive. In almost every case, Drag and Drop provides a second way of doing things, rather than enabling entirely new features, so you don't have to use these methods if you prefer the old way.

## Basics

To use Drag and Drop in iOS 11, tap and hold certain items for a moment until they appear to lift off the screen, then drag your finger away from it slightly to begin the drag process. While holding the item with one finger, you're free to use your other fingers to continue interacting with forScore mini just as you normally would.

In some cases, tapping additional similar items adds them to the drag session (like dragging a score in the Score menu, then tapping other scores to drag them at the same time). You can open and close menus and panels and your drag items will follow your finger as long as it's touching the screen.

When you've dragged your finger over a valid drop zone, you may see some indication that lifting your finger here will perform some kind of action. The drop zone may react by moving or changing colors, or a green "+" badge may appear, for instance, letting you know that dropping the items in this spot will copy them in some way. Each interaction works a little differently, so try some of the following examples for yourself to see how they behave.

## Rearranging Items

Many of forScore mini's views list items that can be rearranged: setlists and their contents, libraries, audio tracks and MIDI commands in the Metadata panel, accounts in the Services panel, and more. Typically, these items can be arranged by tapping "edit" and then dragging the three horizontal lines on the right-hand side of the cell up or down as needed. With Drag and Drop, there's no need to enter "edit" mode first—simply tap and hold any part of the item until it lifts up and out of the list, then drag up or down as needed.

## Working With Items

Scores and bookmarks can be dragged out of forScore mini's Score, Bookmark, and Setlist menus, the Search panel, and you can even drag the current item out of the main view's title display (and remember: you can use any combination of these sources to add multiple items to your drag session). Drag any single item onto the page to open it, or drag one or more items into the Tab bar to open them in tabs.

## Working With Setlists

No feature is better suited to Drag and Drop than Setlists. Creating, editing, and organizing your setlists is dramatically simpler and faster using these new gestures. To rearrange setlists or their contents, drag items up or down as discussed in the "rearranging items" section above. You can also drag a setlist into or out of a folder to move it.

To create a new setlist, drop one or more scores or bookmarks into the main Setlists list and supply a name. To add items to an existing setlist, drop them onto the setlist's name and they'll be added to the end of that list. Or, hover over a setlist (or tap it) to open it, then drop the items into the list at a specific point. You can even drag items out from one setlist and into another one to copy items between them.

## Audio Tracks

Tap and hold the current track's title in the media box or use drag and drop in the Metadata panel's audio track list to link a track to other scores or bookmarks in your library.

## Annotating

While annotating, use Drag and Drop to rearrange your drawing presets by dragging them left or right. With the Selection tool, select an area of drawn annotations and drag it onto the Stamp creator's canvas to create a new stamp with it, all without leaving the app or needing to go to your computer to deal with image editing software.

## Services

In the Services panel, use Drag and Drop to move files between folders or drop certain things here to upload them. Drag audio files, backups, or CSV files into the Services panel to upload them as-is, or drop a score, bookmark, or setlist here to pick a format first.

## MIDI

Drag commands between the various MIDI sections in the Metadata panel and the Button editor to copy them, or drag commands onto the page to create a new button with them.

## More

There's a lot you can do with Drag and Drop—even more than we've already discussed—so we can't cover every possible combination here. For a more exhaustive list of possible interactions, visit [forScore.co/drag-and-drop](https://forScore.co/drag-and-drop).

## Disabling Drag and Drop

Some users may find that iOS' Drag and Drop gestures interfere with their ability to work. Although iOS does not currently provide a system setting to disable them, forScore mini offers an option in the Accessibility section of its Settings panel called "Drag and Drop" that significantly alters how it utilizes these gestures. When this setting is disabled, forScore mini does not make items available for dragging and most interactions return to how they worked with older versions of iOS.