SongBook +

Release 2.0(3)

User Manual

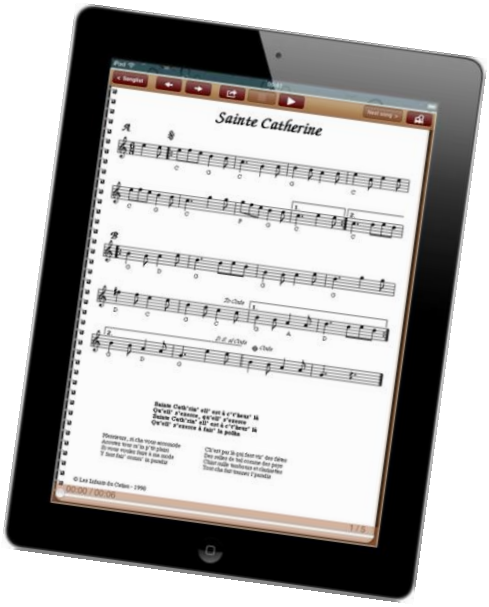


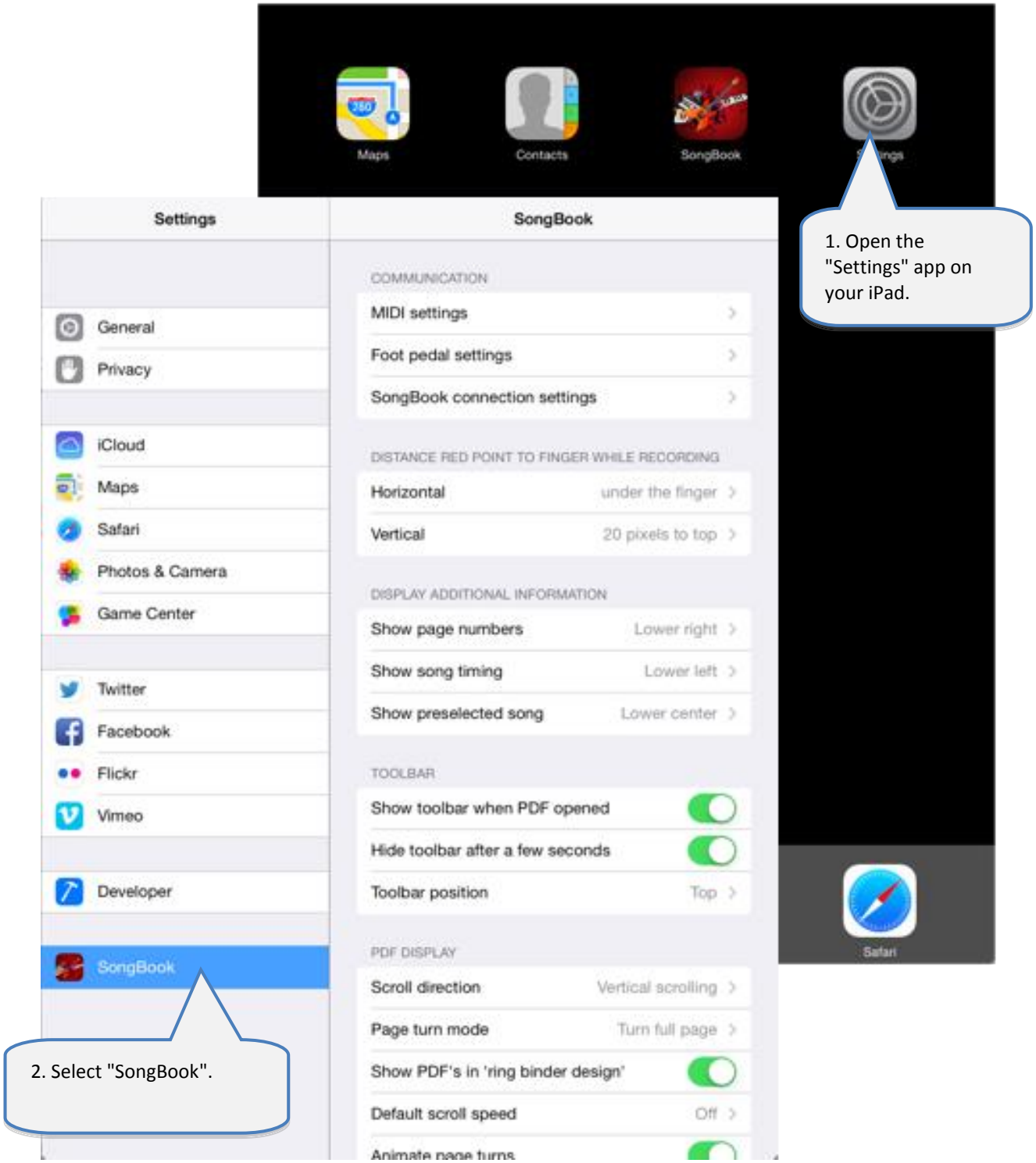
Table of contents

1 SongBook+ settings 4
2 Add files to SongBook+ using iTunes 5
3 Insert unused files into the song list 6
4 Use the song list 7
5 Edit song details 8
6 Display a PDF document and scroll in the document 9
7 Preselect next song without closing the current song 10
8 Use of the metronome 11
9 Use of night colors 12
10 Record page turns automatically 13
11 Record finger pointer in the "Karaoke style" 14
12 Insert / edit / delete annotations 15
12.1 Insert annotations 15
12.2 Delete annotations 17
12.3 Edit annotations 17
12.4 Copy annotations 18
12.5 Save frequently used annotations 18
12.6 Action button annotations 19
13 Use playlists 20
13.1 Select an existing playlist 20
13.2 Add a new playlist 21
13.3 Rename or delete playlists 22
13.4 Edit the content of the playlist 23
14 Import files from mail or other applications 24
15 Share songs or files (export) 25
16 Share SongBook folder via Wi-Fi 26
17 Import lyrics from MP3 file 27
17.1 Add a song without PDF and select MP3 27
17.2 Create PDF from lyrics in MP3 27
18 Scan lyrics on paper with built-in camera 28
19 Use the MIDI features 29
19.1 Connecting iPad to MIDI 29
19.2 Open song text on incoming MIDI commands 30
19.3 Send MIDI commands when song text is opened 31
19.3.1 Send the configured BankSelect/ProgramChange commands 31
19.3.2 Send the contents of a MIDI file upon opening the song 32
19.3.3 Send other configurable MIDI commands 32
19.4 Send MIDI commands when the song is started 32
19.4.1 Send the contents of a MIDI file upon starting the song 32
19.4.2 Send MIDI Start when the song was started 32

19.4.3 Send other configurable MIDI commands ... 32
19.5 Send MIDI commands when the song is stopped ... 33
19.5.1 Send the contents of a MIDI file upon stopping the song ... 33
19.5.2 Send MIDI Stop when the song was stopped ... 33
19.5.3 Send other configurable MIDI commands ... 33
19.6 Send MIDI commands at a button touch ... 33
20 Using foot pedals ... 34
20.1 Foot pedals that simulate an external keyboard ... 34
20.2 Foot pedals that send MIDI commands ... 35
21 Connecting multiple iPads with SongBook+ ... 36
22 Use of multiple books ... 37
23 Backup and restore your data ... 38
23.1 Backup your data ... 38
23.2 Restore your data from Backup ... 39
24 Quit SongBook+ or other apps completely ... 40
24.1 Quit the apps in iOS 7 or above ... 40
24.2 Quit the apps in iOS prior to iOS 7 ... 41
25 Supported file formats ... 42
25.1 Files for text or note display ... 42
25.2 Music files ... 42
25.3 Midi files ... 42
25.4 Video files ... 42
26 Contribution ... 42
27 Contact information ... 42

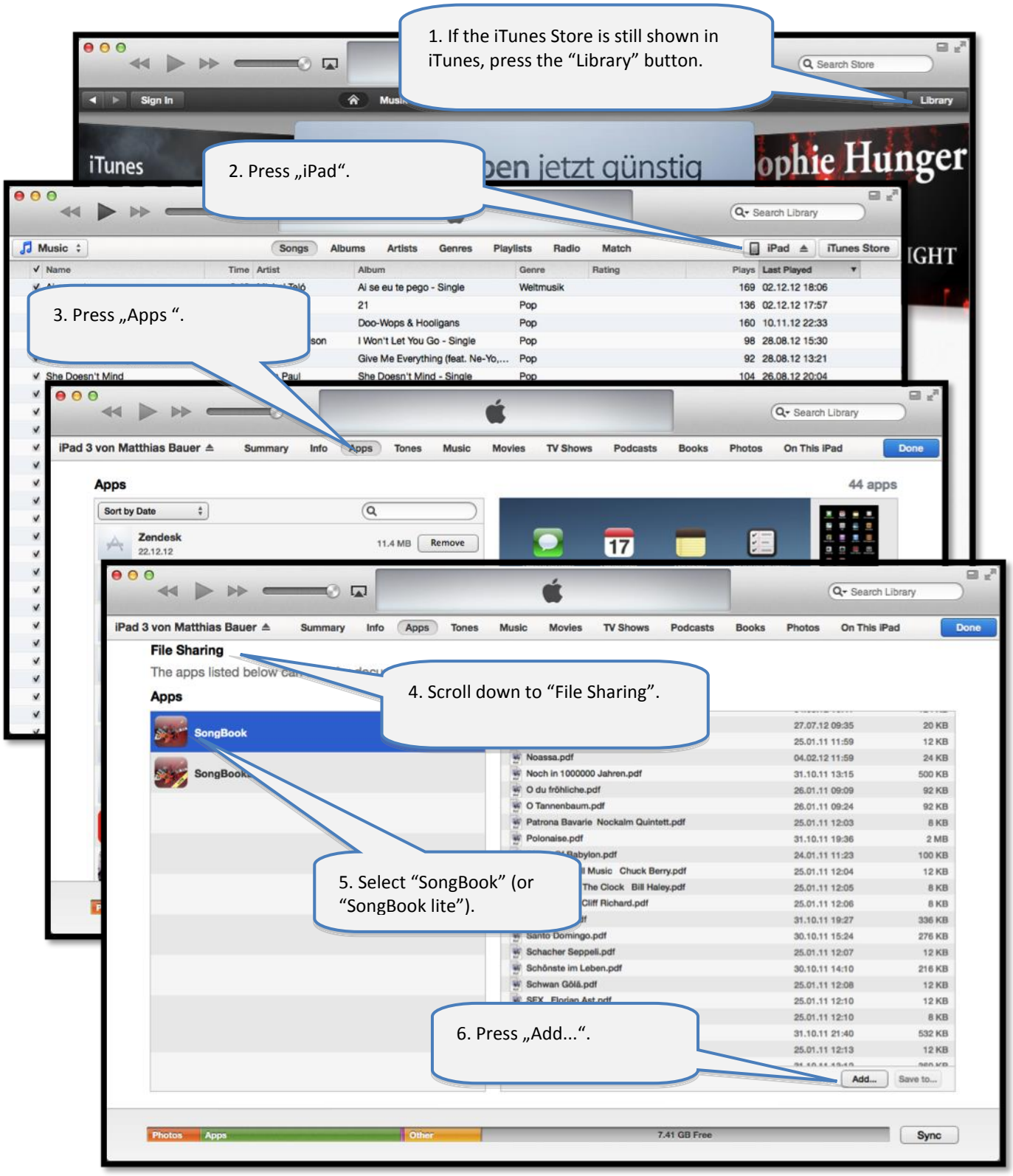
1 SongBook+ settings

The global settings of SongBook+ can be found in the "Settings" app.



2 Add files to SongBook+ using iTunes

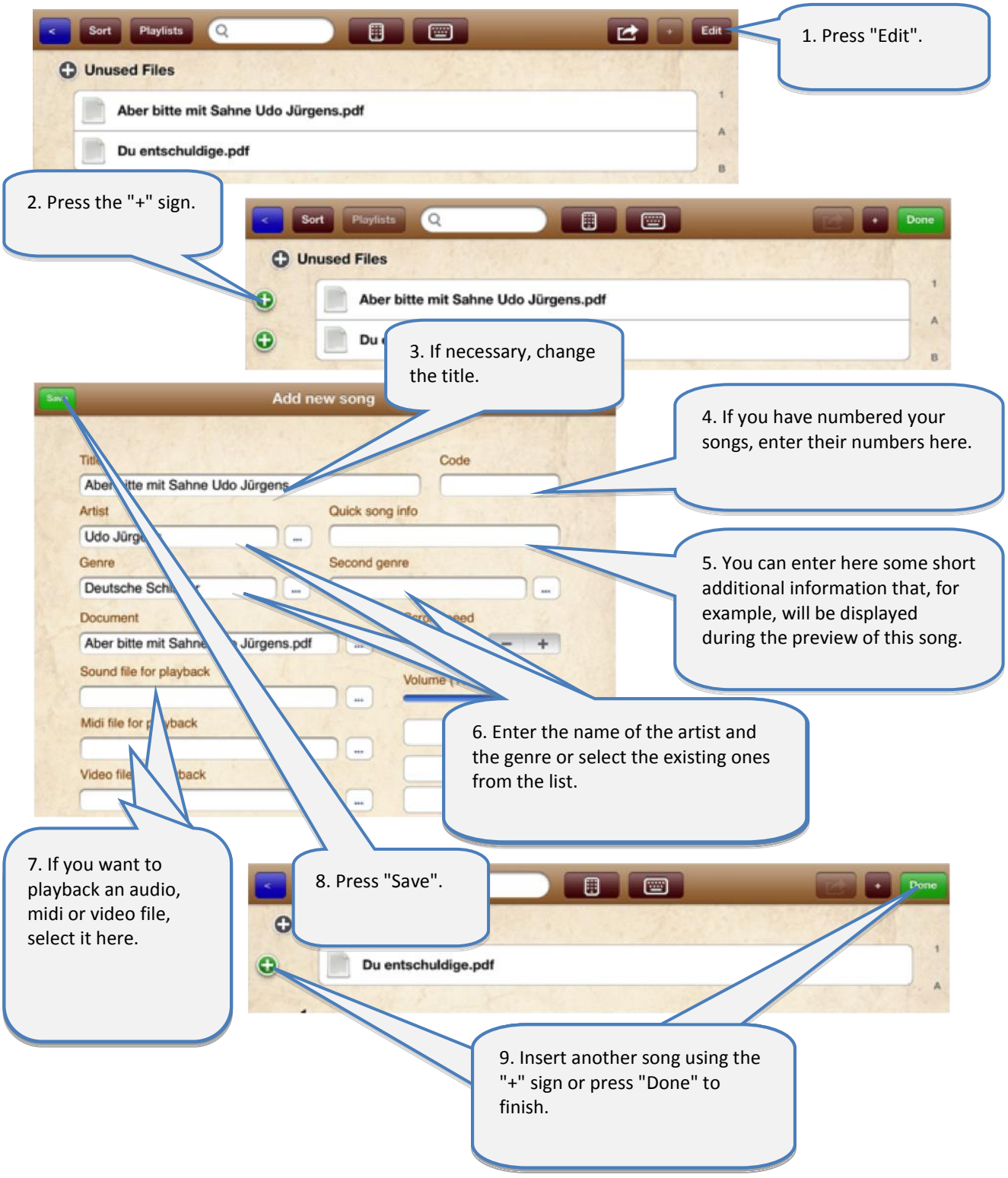
To add PDF, music or video files to SongBook, connect your iPad to the computer, start iTunes and follow the steps below:



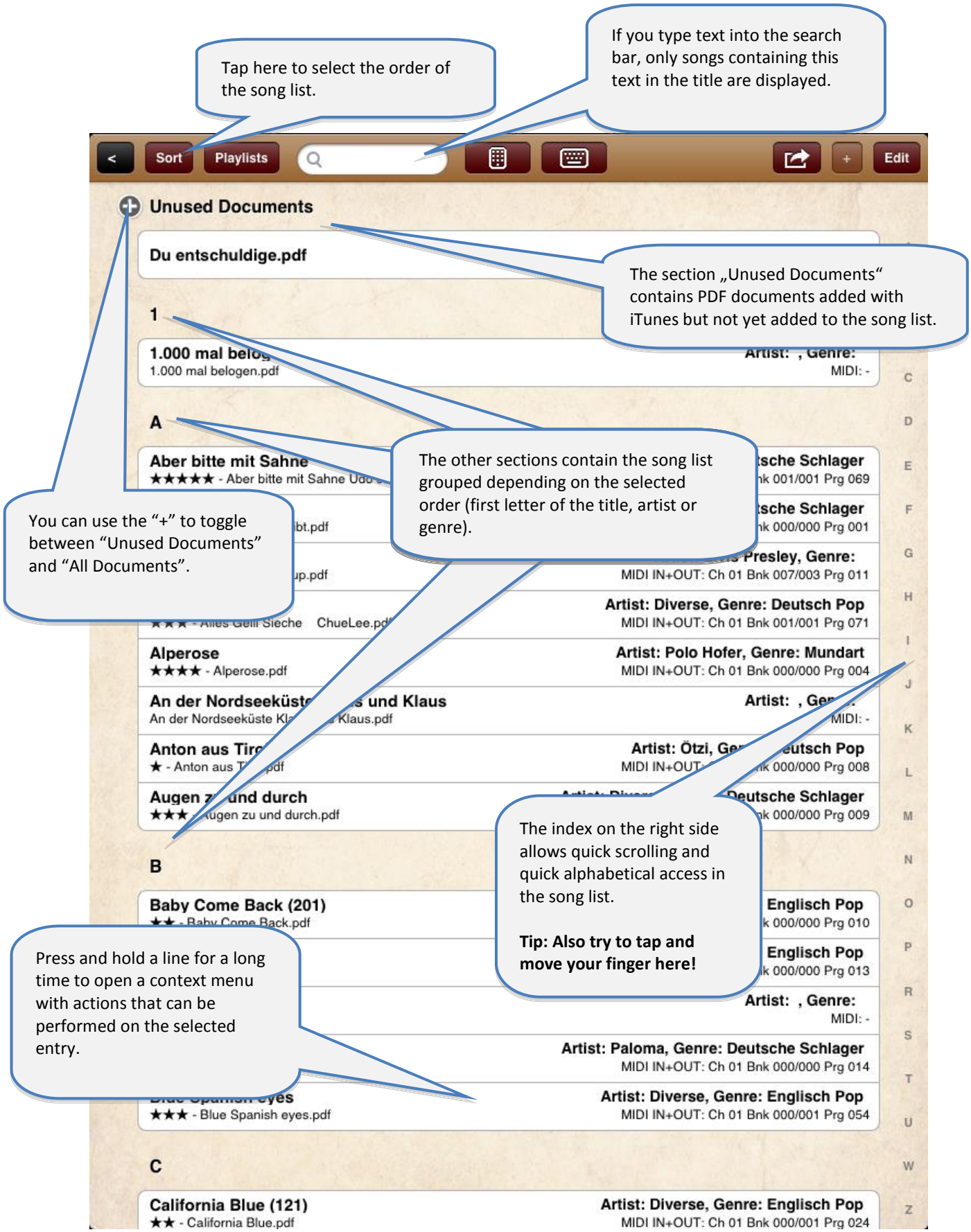
3 Insert unused files into the song list

After inserting PDF, music or video files into SongBook, they appear as "Unused Files".

By following the steps below you can transfer them into the song list and provide additional information like title, artist, genre and MP3 file to play in the background.



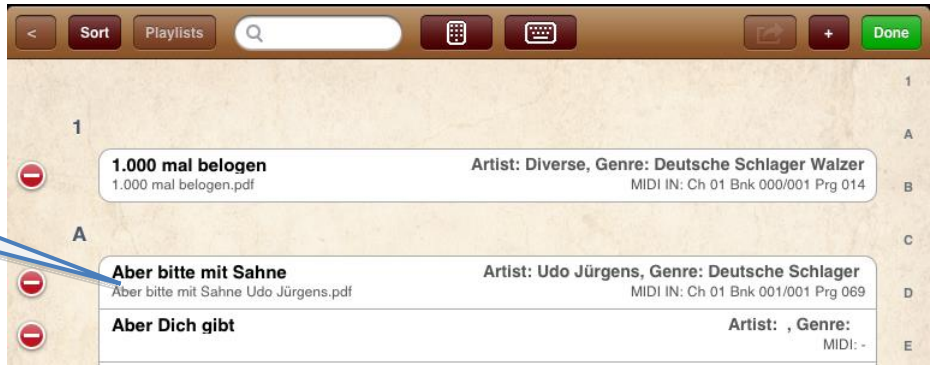
4 Use the song list

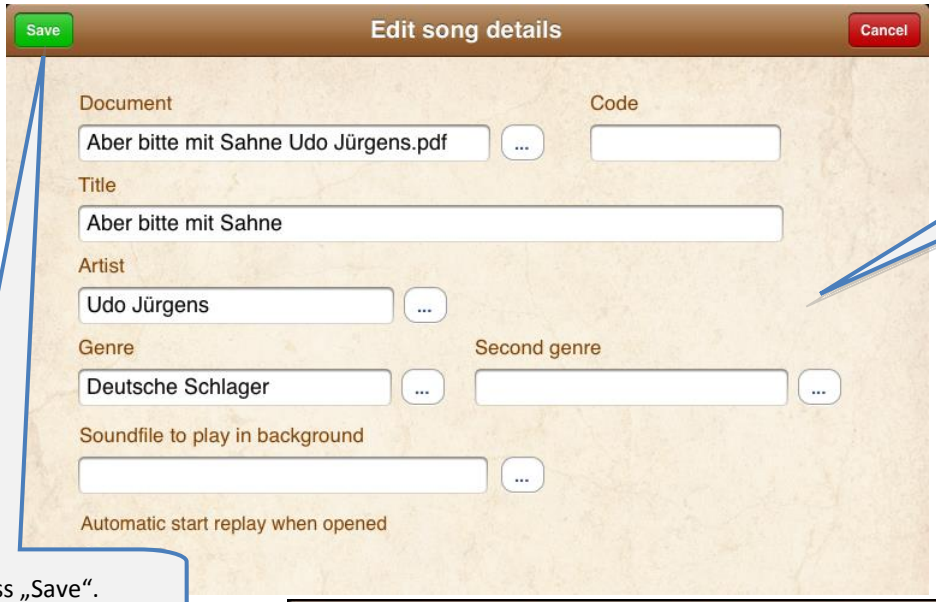


5 Edit song details

1. Press „Edit“

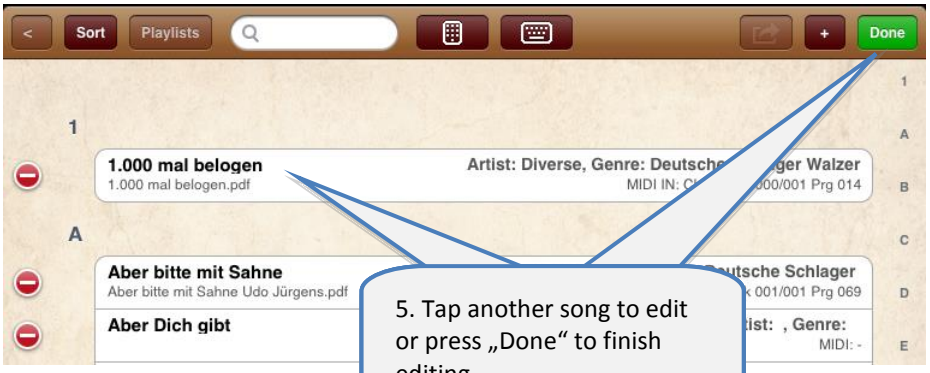
2. Tap the song you want to edit in the list.





3. Edit the song details.

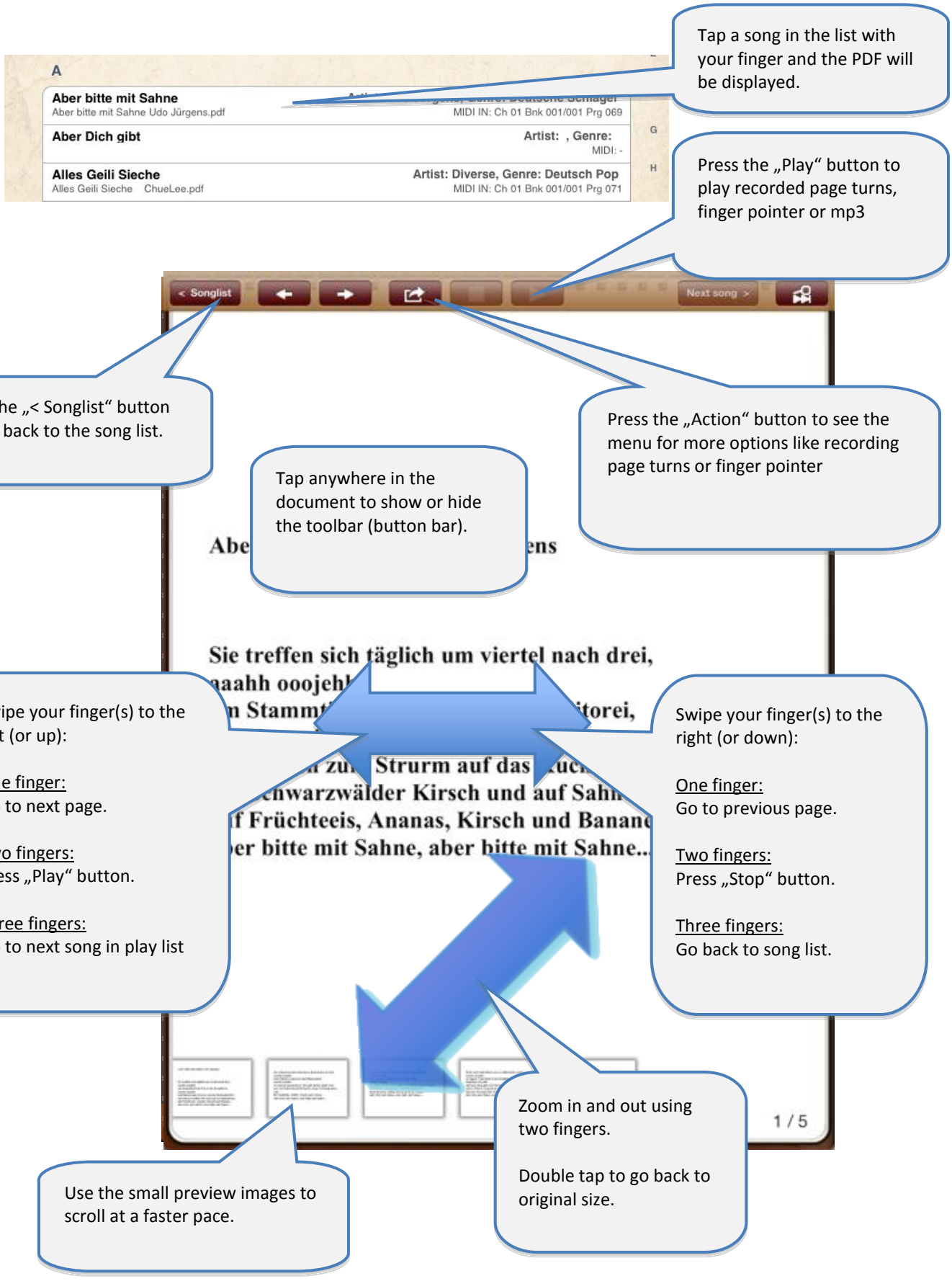
4. Press „Save“.



5. Tap another song to edit or press „Done“ to finish editing.

6

6 Display a PDF document and scroll in the document



Tap a song in the list with your finger and the PDF will be displayed.

Press the „Play“ button to play recorded page turns, finger pointer or mp3

Tap the „< Songlist“ button to go back to the song list.

Press the „Action“ button to see the menu for more options like recording page turns or finger pointer

Tap anywhere in the document to show or hide the toolbar (button bar).

Swipe your finger(s) to the left (or up):

<u>One finger:</u>
Go to next page.

<u>Two fingers:</u>
Press „Play“ button.

<u>Three fingers:</u>
Go to next song in play list

Swipe your finger(s) to the right (or down):

<u>One finger:</u>
Go to previous page.

<u>Two fingers:</u>
Press „Stop“ button.

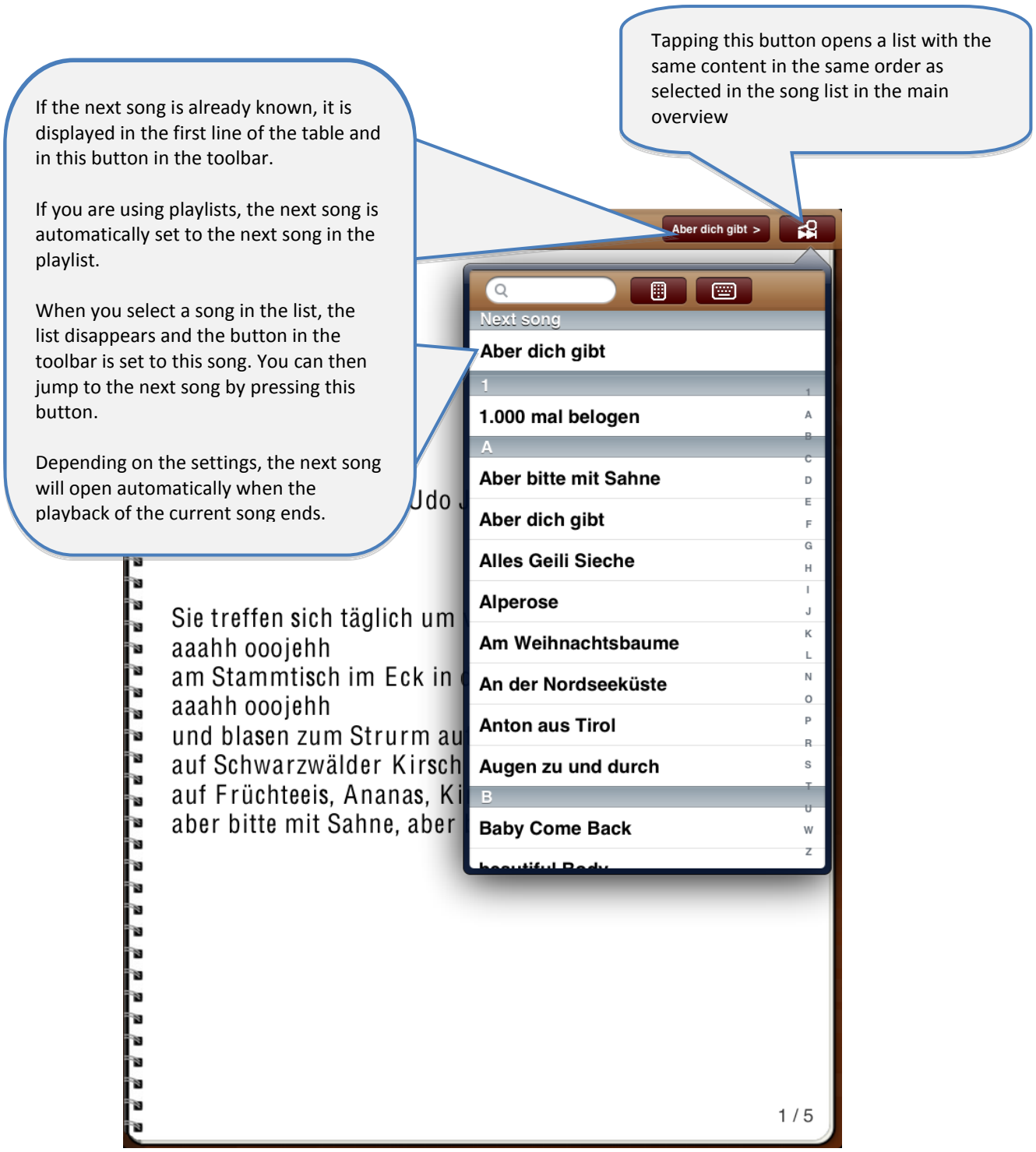
<u>Three fingers:</u>
Go back to song list.

Zoom in and out using two fingers.

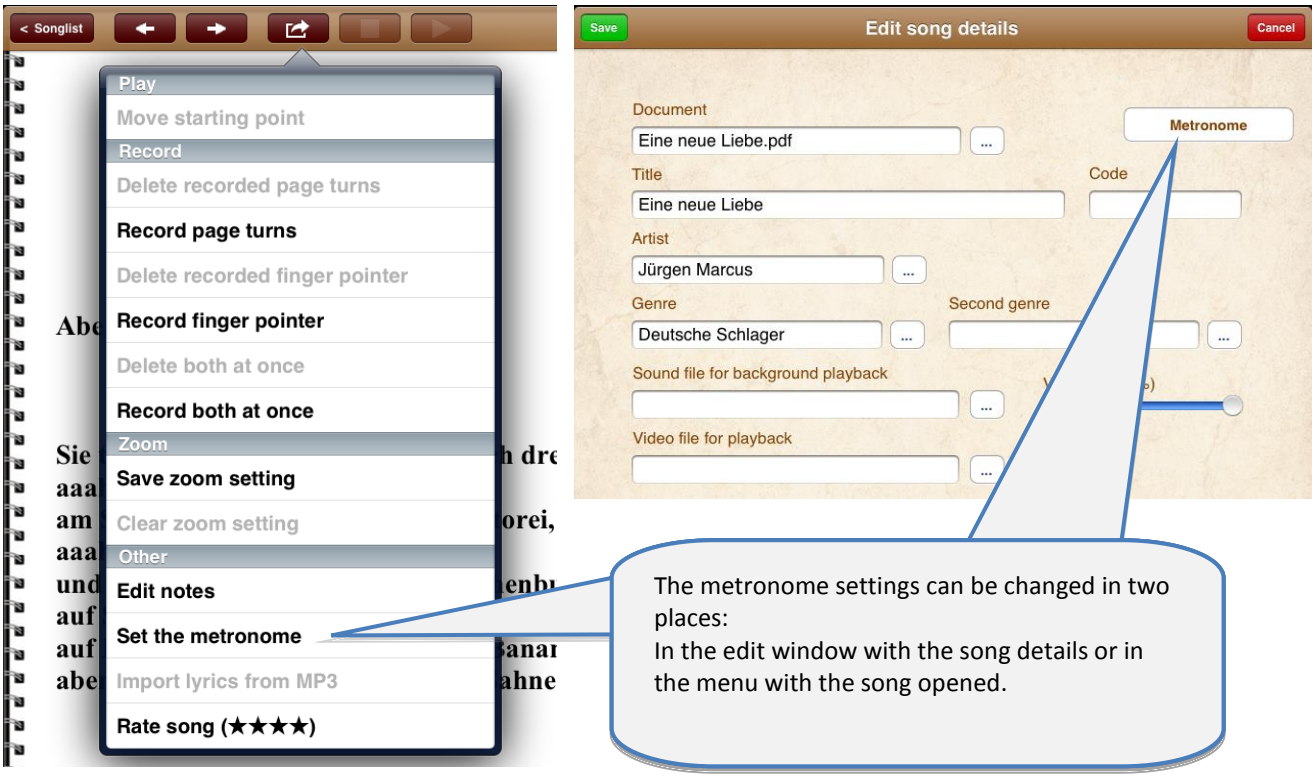
Double tap to go back to original size.

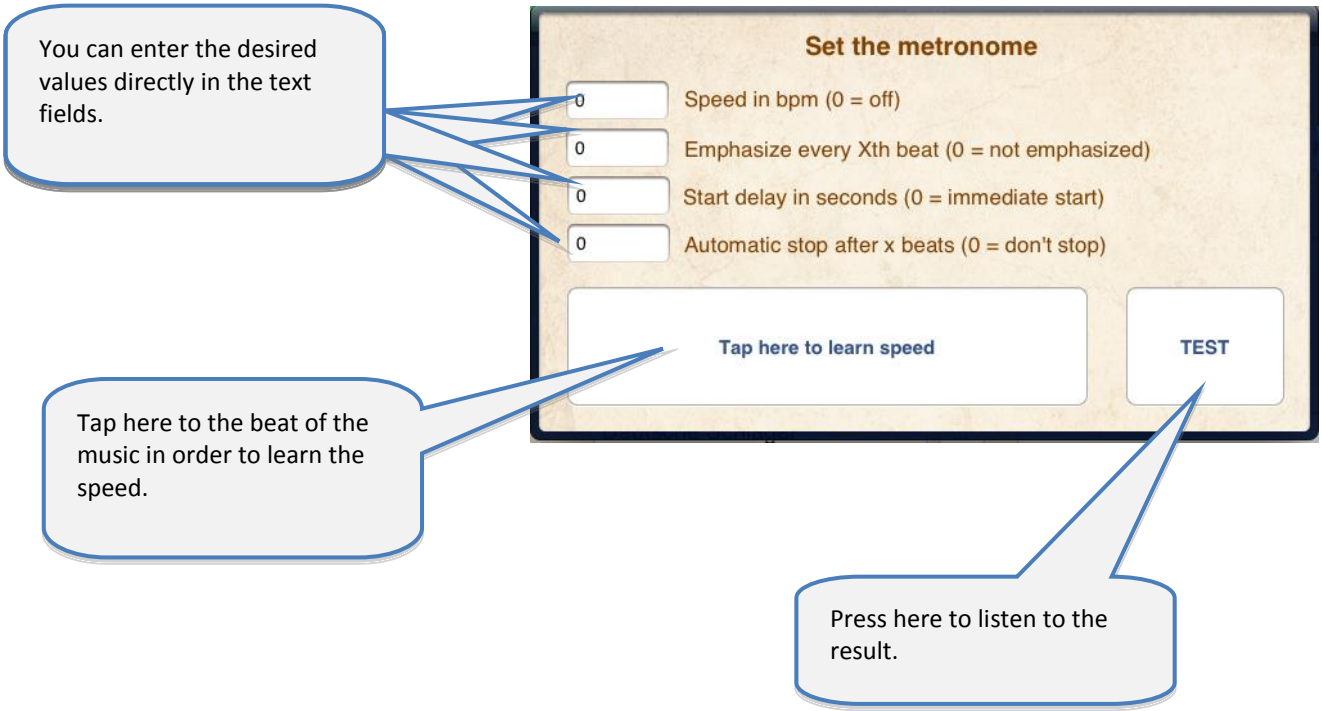
Use the small preview images to scroll at a faster pace.

7 Preselect next song without closing the current song



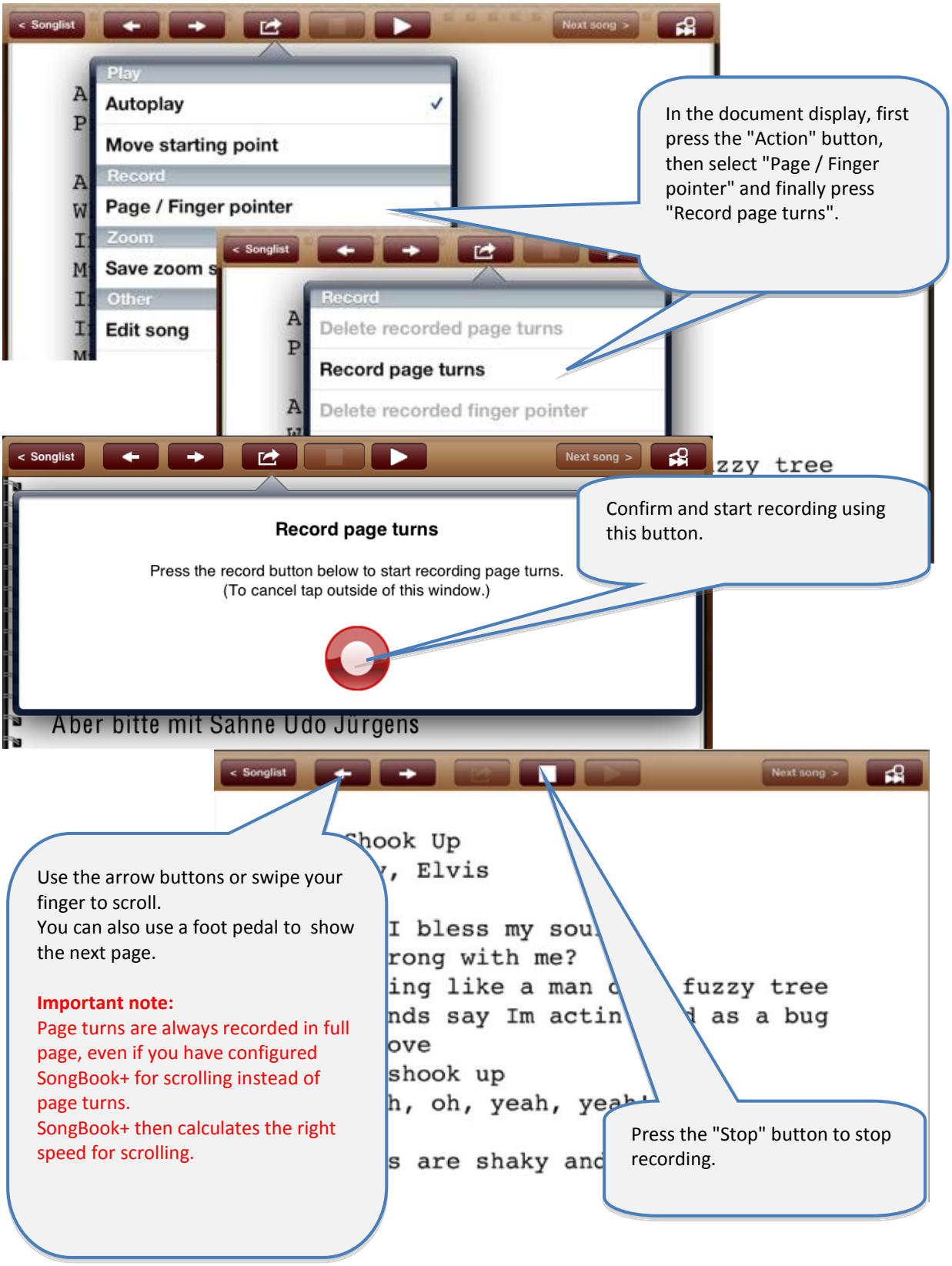
8 Use of the metronome



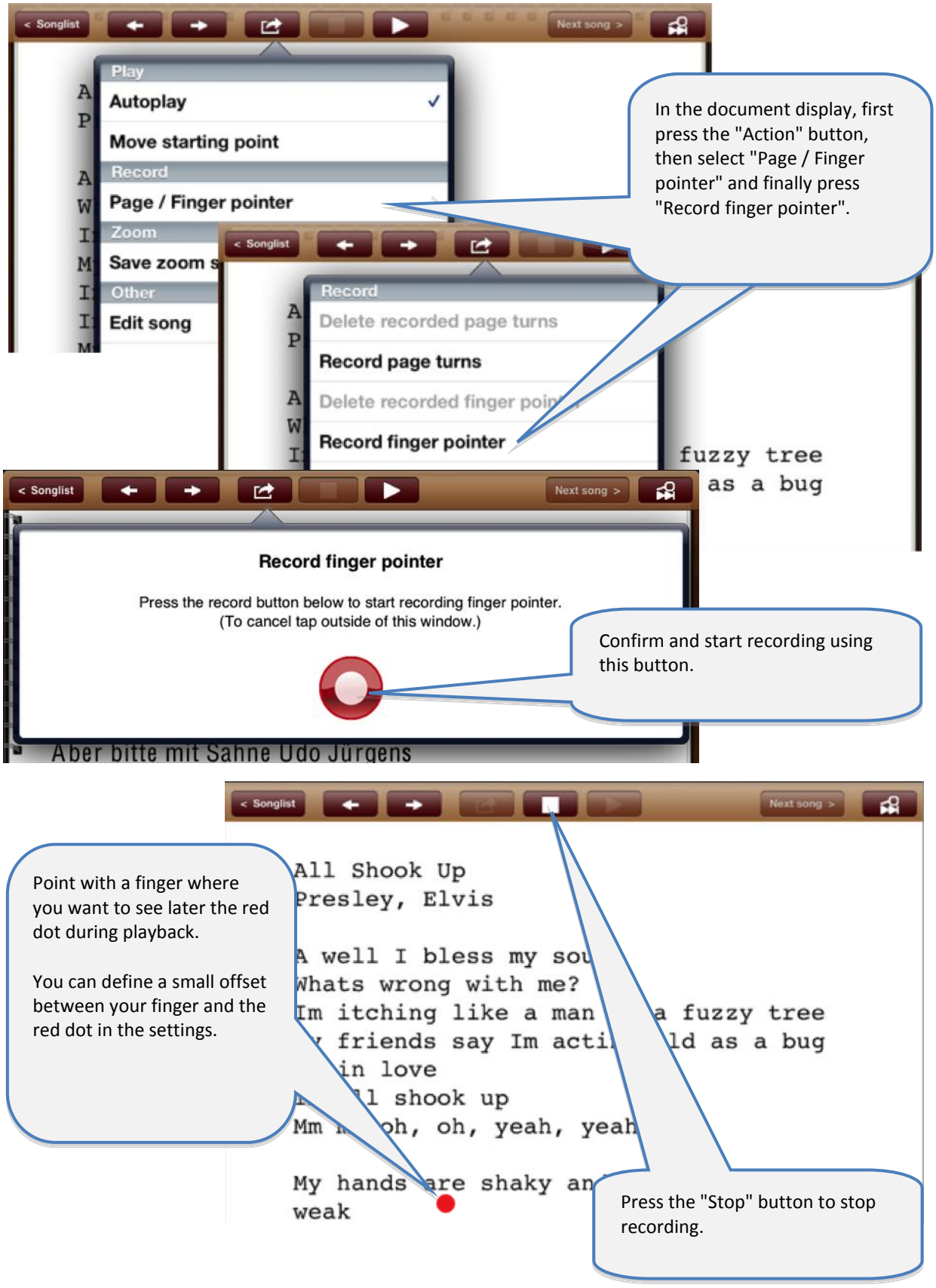


9 Use of night colors

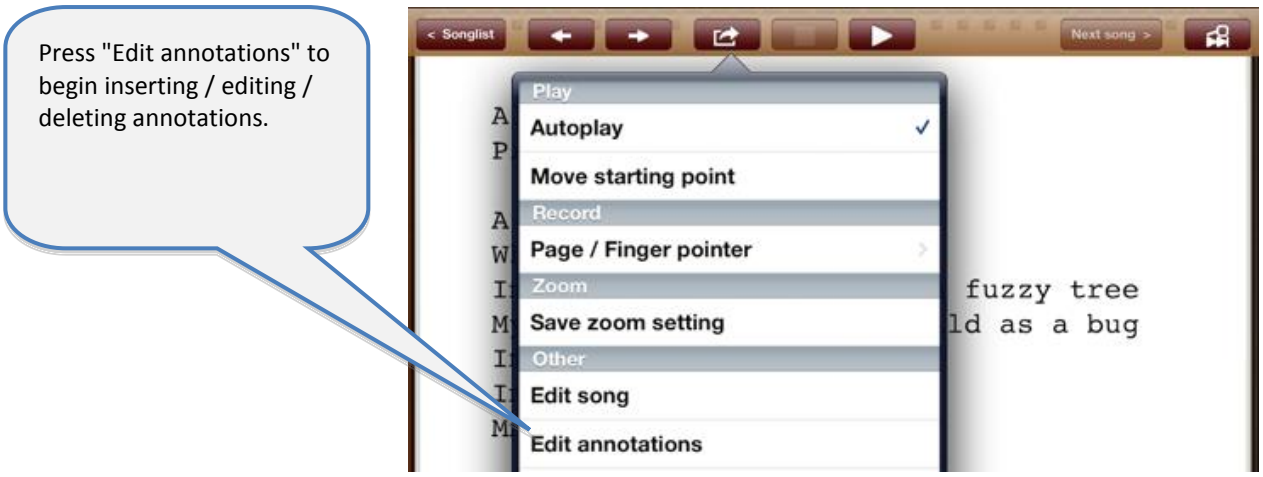
10 Record page turns automatically

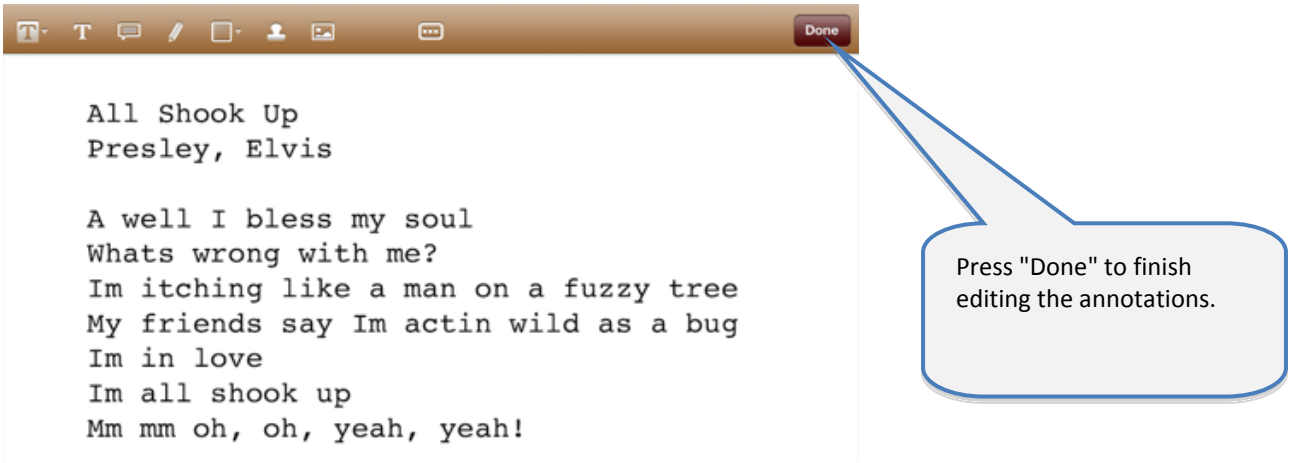


11 Record finger pointer in the "Karaoke style"

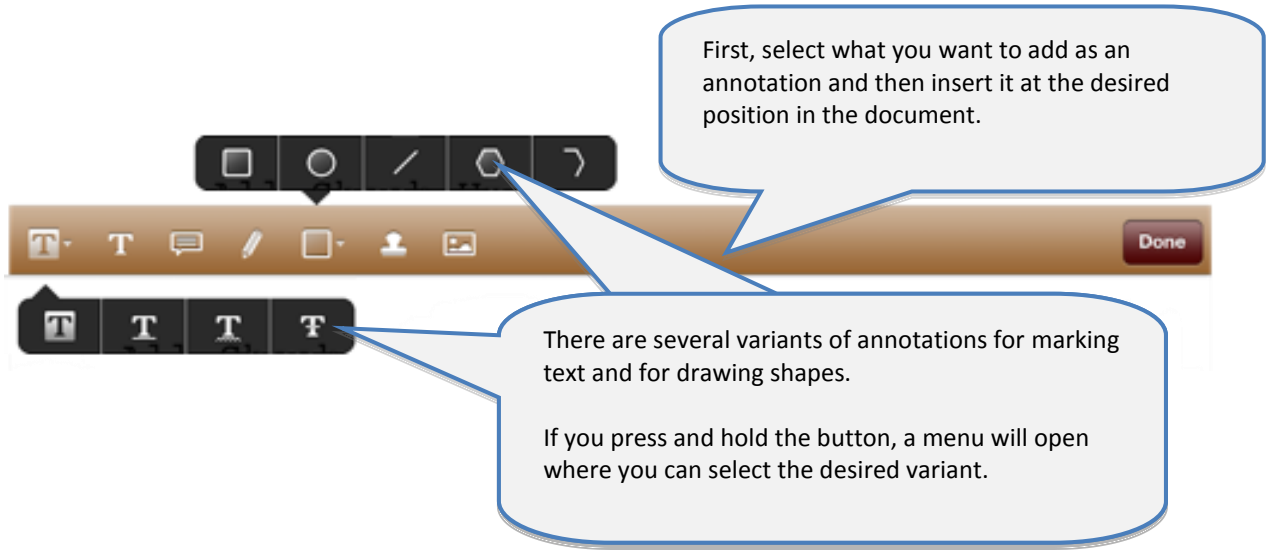


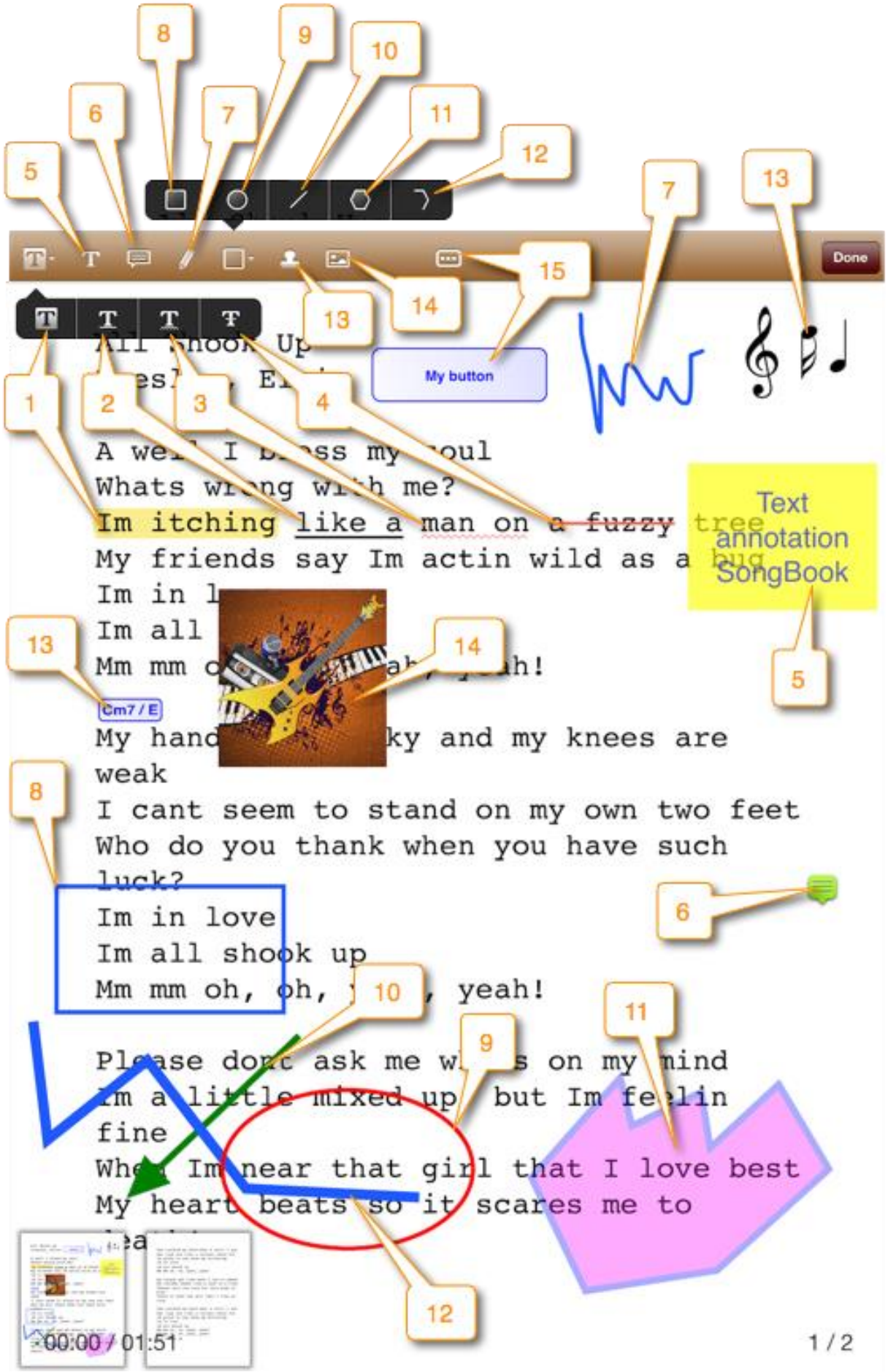
12 Insert / edit / delete annotations



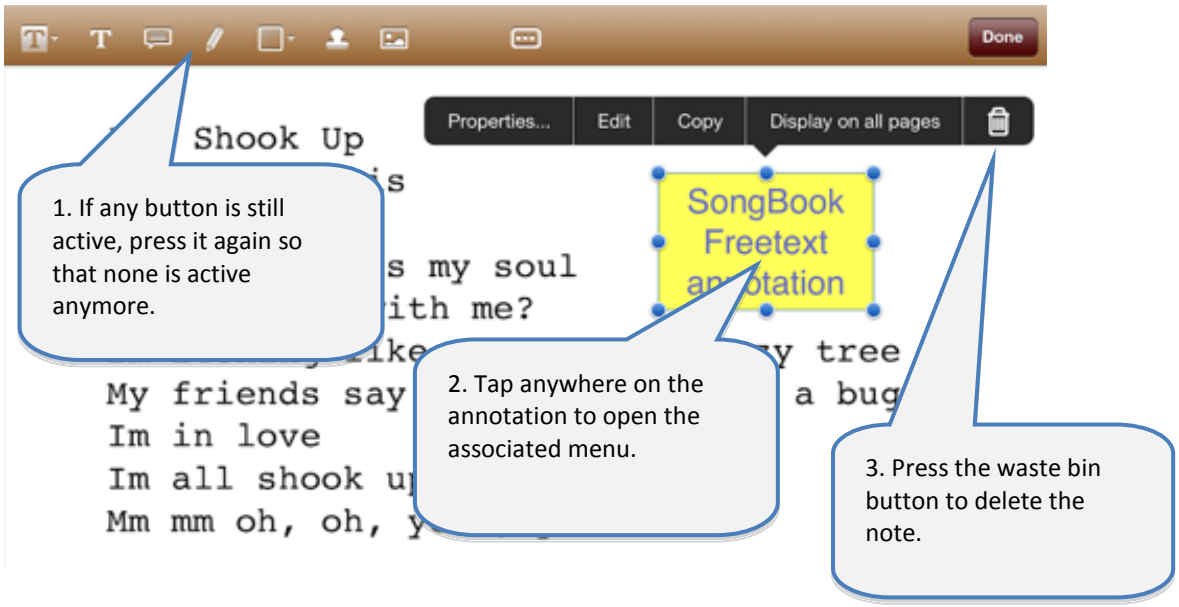


12.1 Insert annotations

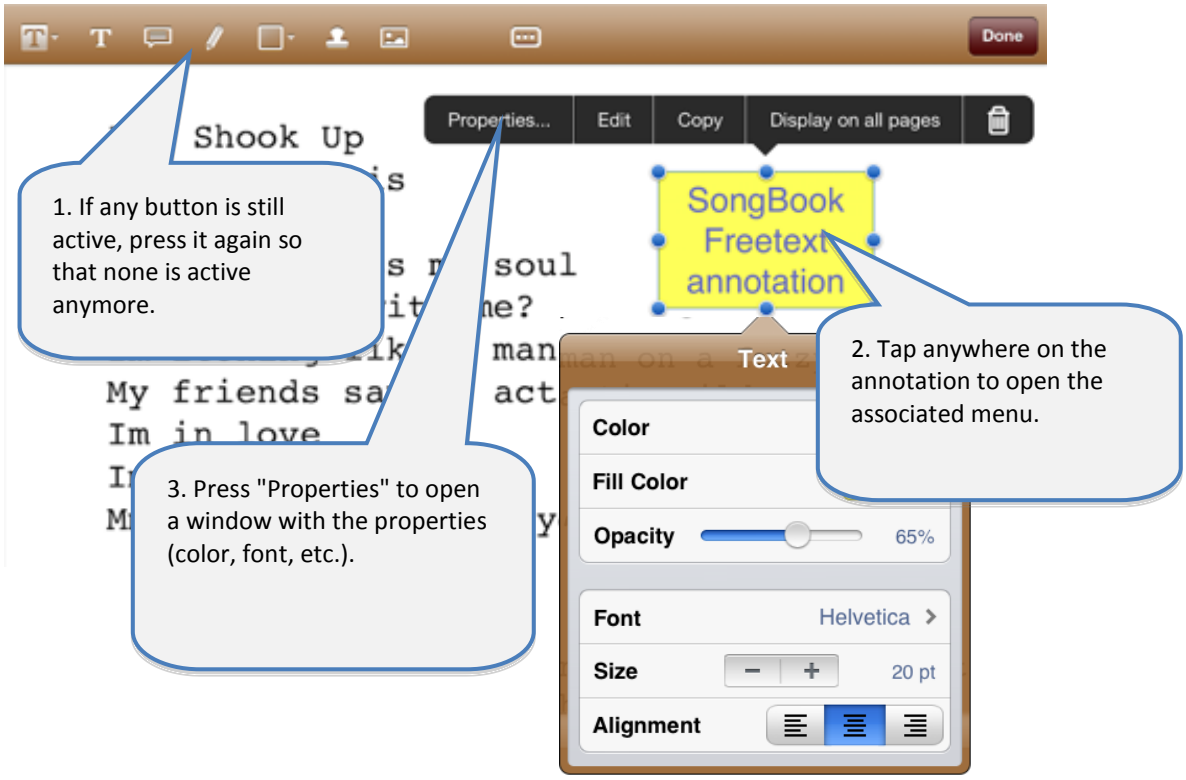



Done
My button
Text annotation SongBook
Cm7 / E
Im in love
Im all shook up
Mm mm oh, oh, yeah!
00:00 / 01:51
1 / 2

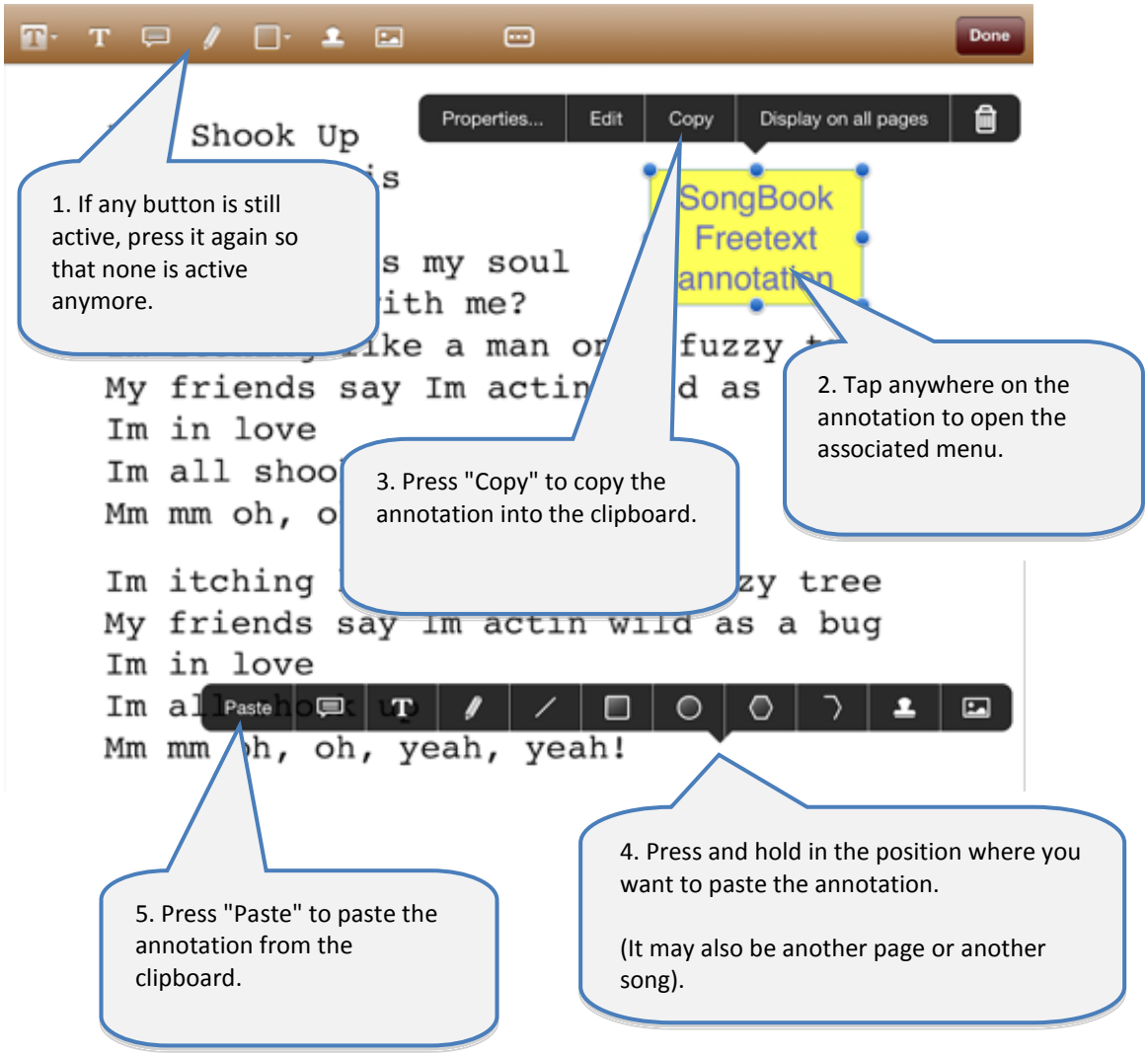
12.2 Delete annotations



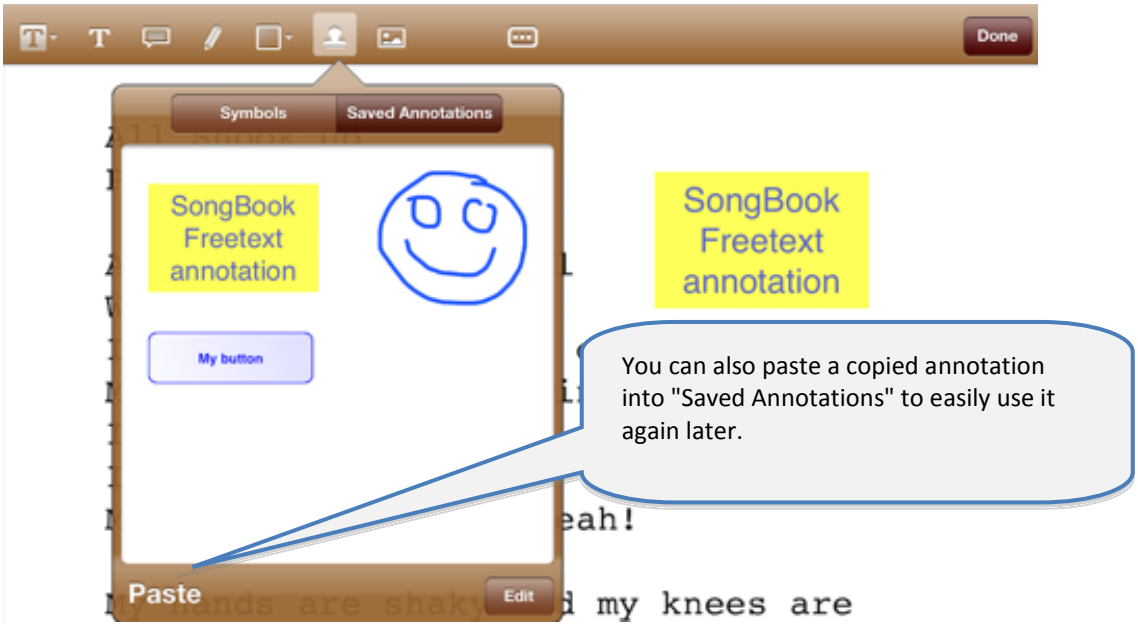
12.3 Edit annotations



12.4 Copy annotations



12.5 Save frequently used annotations

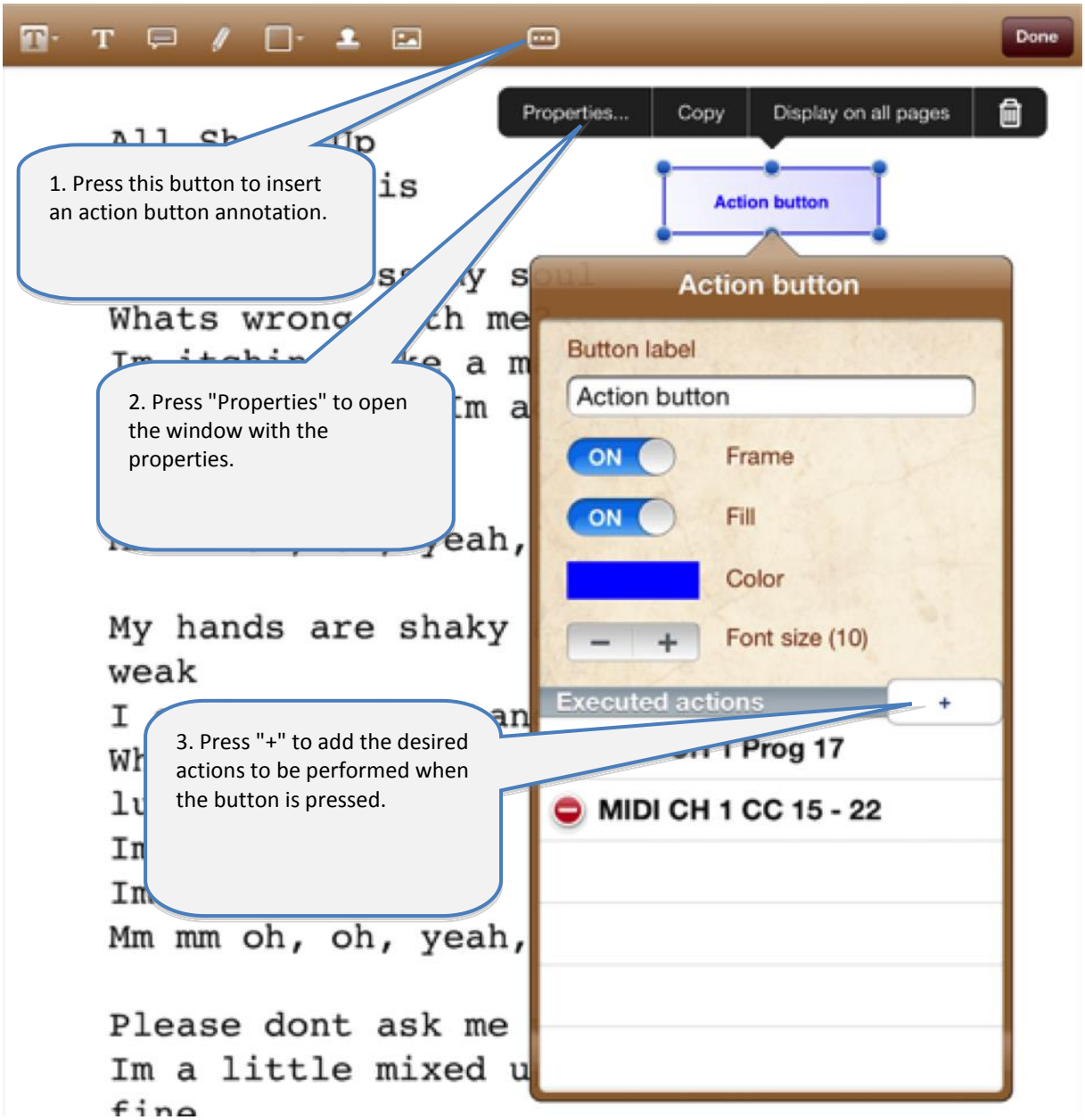


12.6 Action button annotations

Action button annotation is a very special annotation.

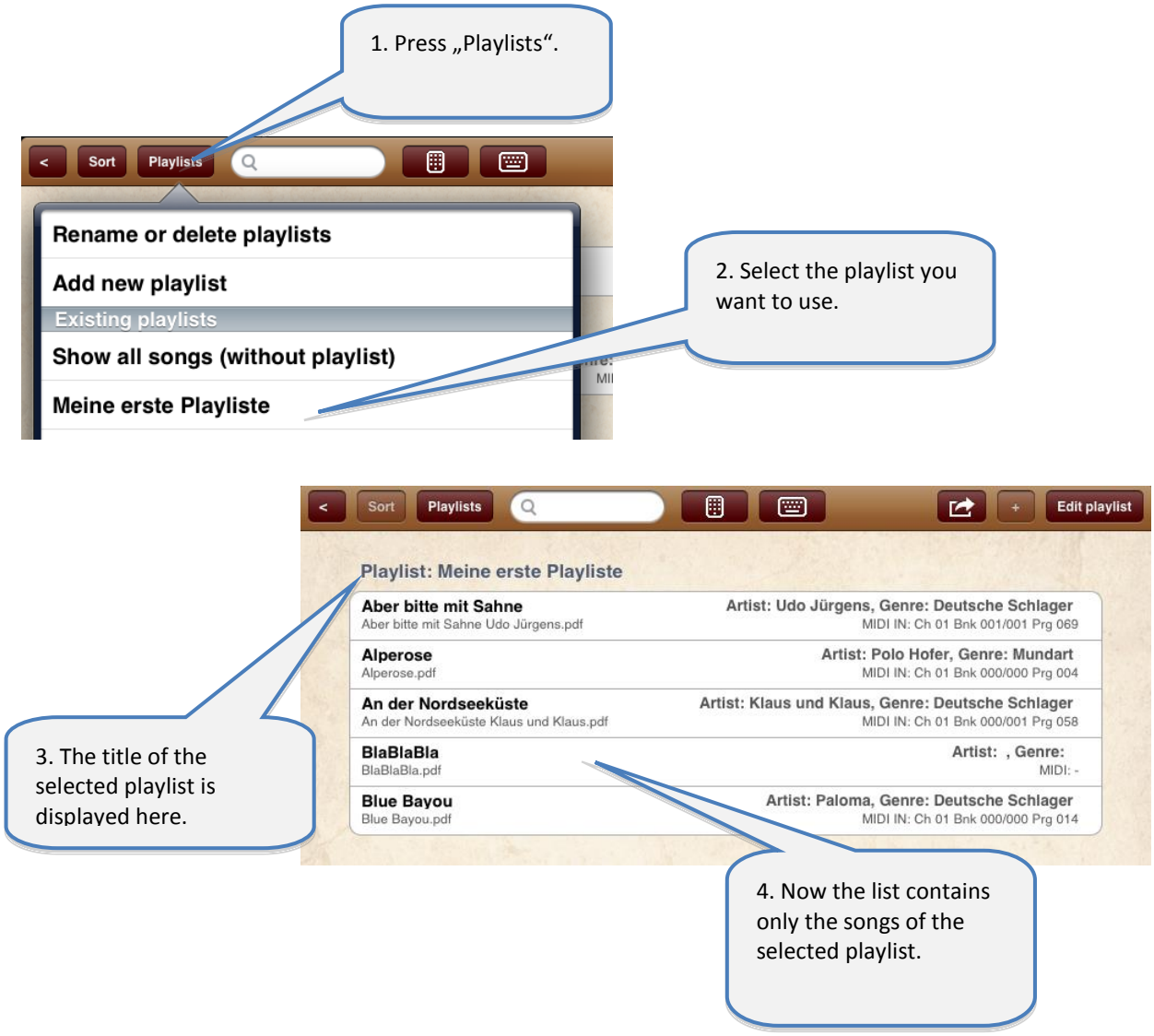
Using this feature you can insert a button anywhere in the document and configure different actions to be performed when it's tapped.

Currently, the available functions are jumping to a specific page or sending different MIDI commands.



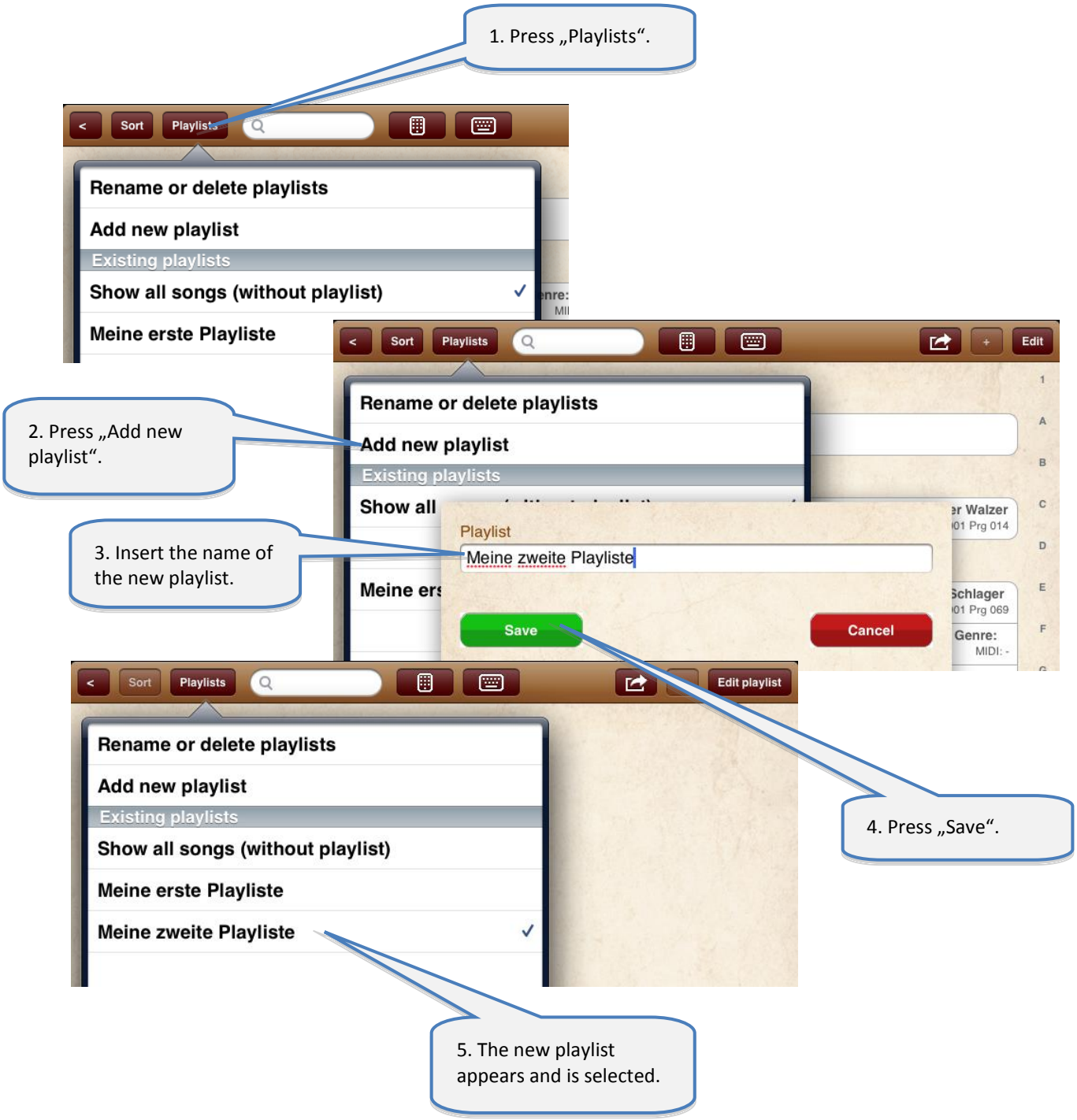
13 Use playlists

13.1 Select an existing playlist

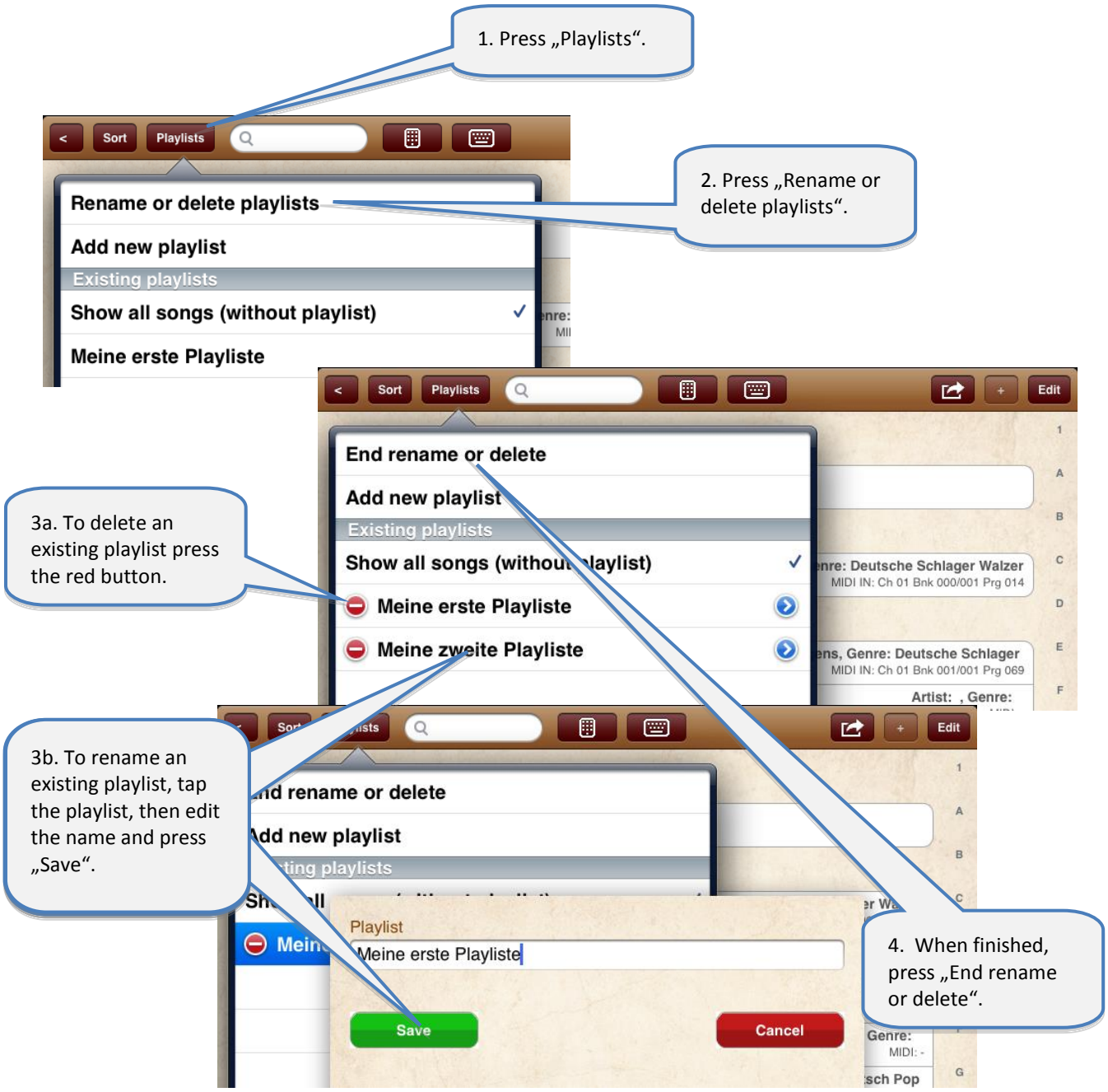


Attention:
If a playlist is selected, the „Edit“ button is no longer used to edit the songs but to edit the content of the playlist!

13.2 Add a new playlist



13.3 Rename or delete playlists

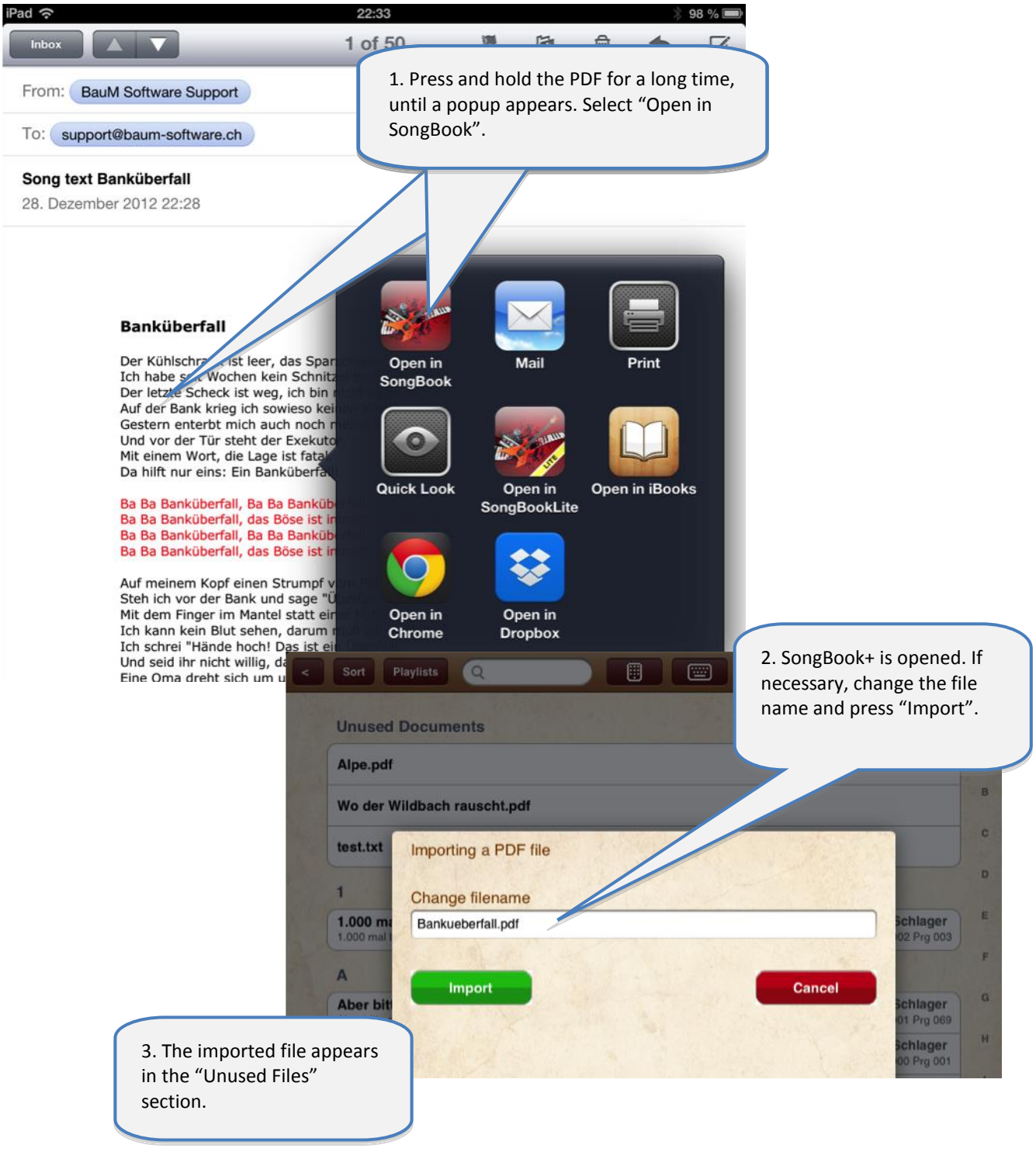


13.4 Edit the content of the playlist

14 Import files from mail or other applications

You can import PDF, music or video files from all other apps that allow creating or downloading such files and support an “Open in…” feature to pass the PDF to another app.

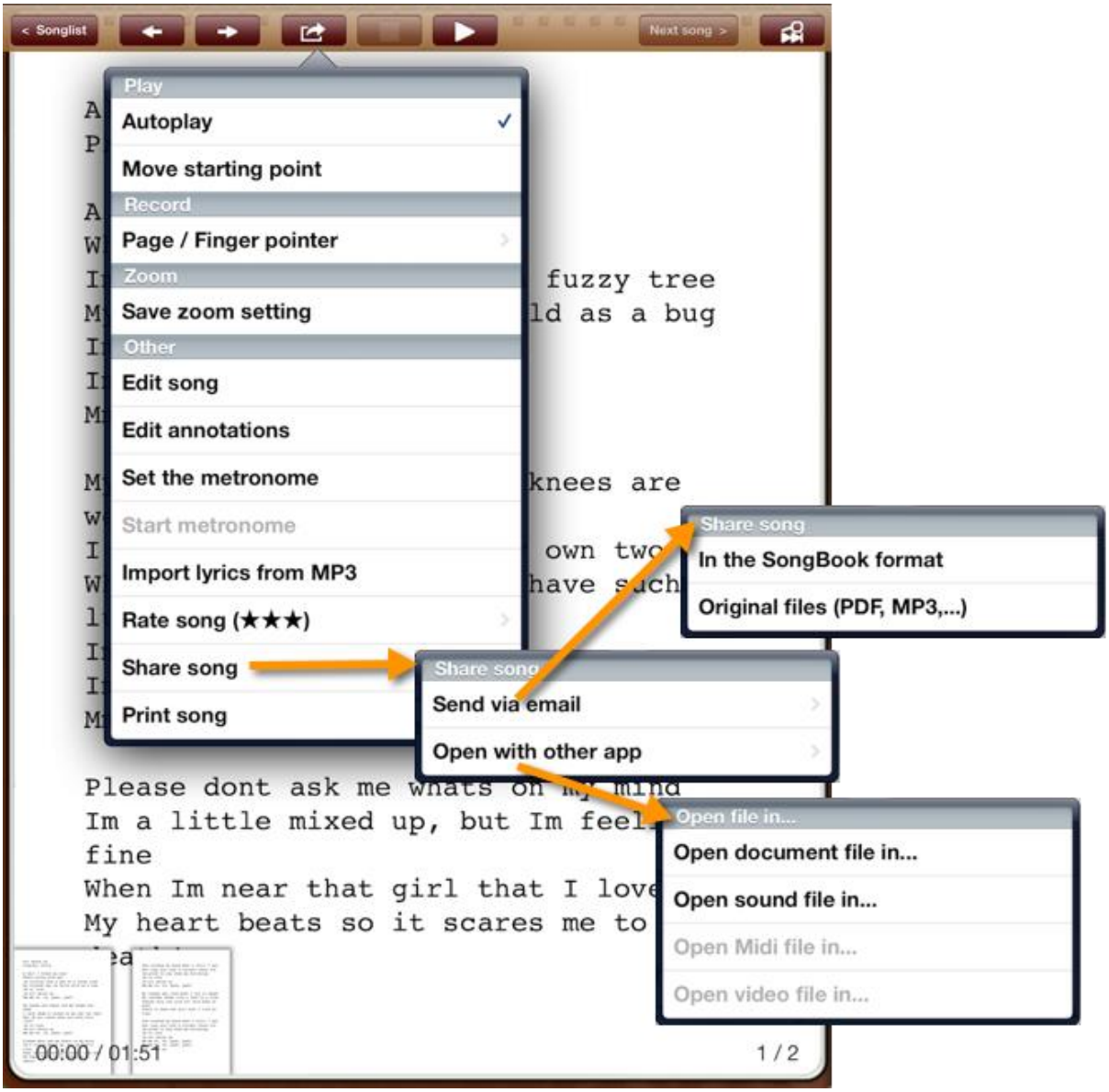
The following picture shows as sample how to import a PDF from an email attachment:



15 Share songs or files (export)

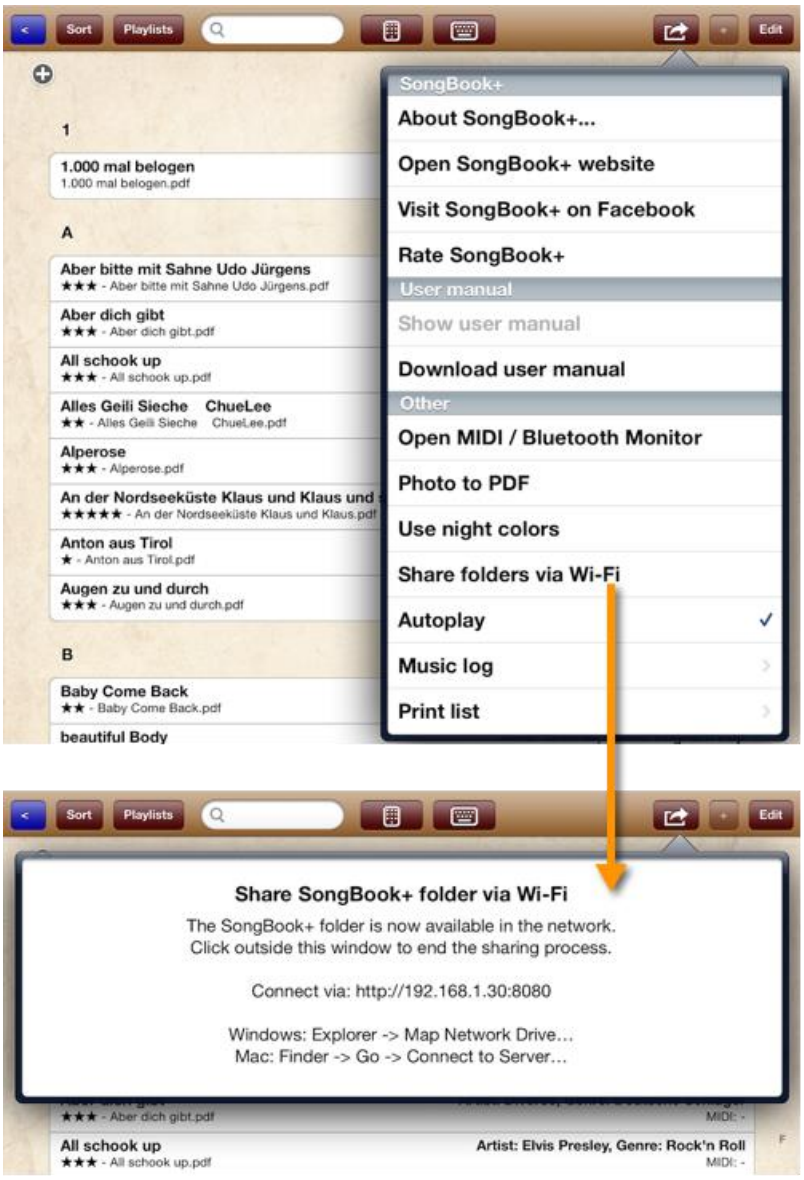
Using the "Share song" feature, you can:

- email an entire song to another SongBook user and import it there again
- email individual files (pdf, mp3, ...) of the song or transfer them to another app (e.g. Dropbox)



16 Share SongBook folder via Wi-Fi

You can temporarily share the SongBook+ folder via Wi-Fi and then wirelessly access it from a computer without iTunes on it.

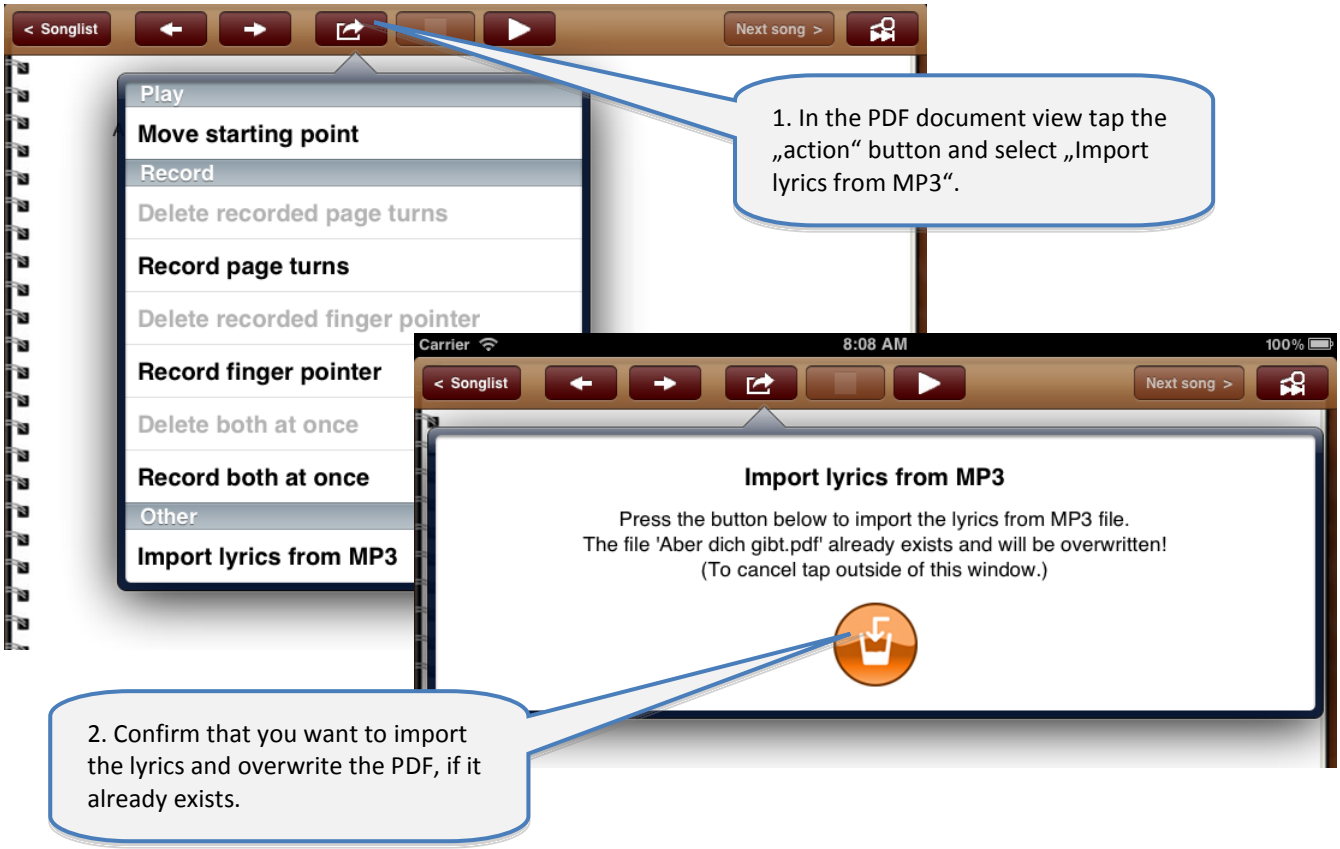


Note:
The method can also be used to make a backup of the database file (SongBookMidi.sqlite). However, it is impossible to copy the database file back to the iPad!
For more information on data backup and recovery, see chapter **23**.

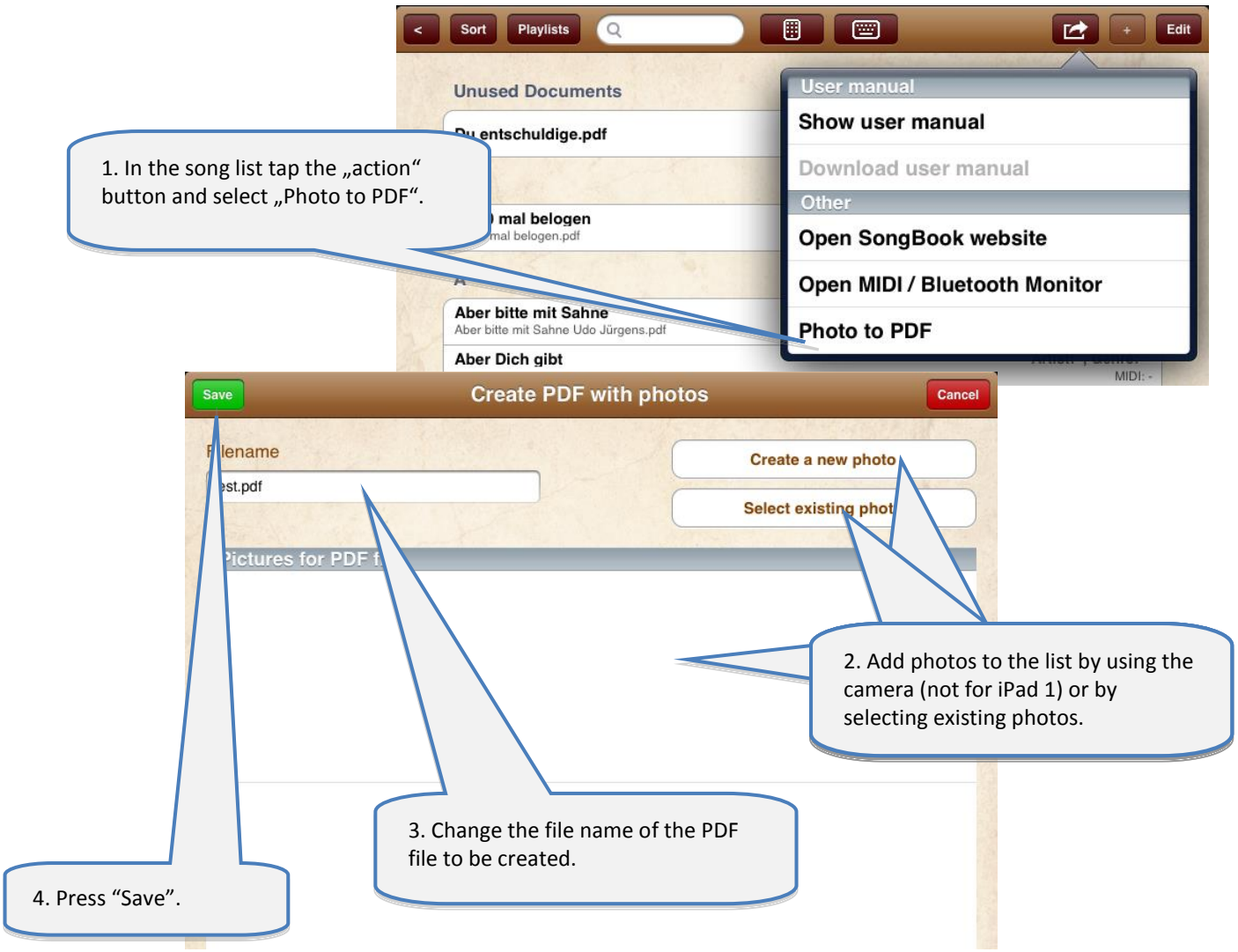
17 Import lyrics from MP3 file

17.1 Add a song without PDF and select MP3

17.2 Create PDF from lyrics in MP3



18 Scan lyrics on paper with built-in camera



19 Use the MIDI features

19.1 Connecting iPad to MIDI

To connect the iPad to MIDI you need the "Apple iPad Camera Connection Kit" to have a USB interface on the iPad and then connect a USB-to-MIDI adapter to it.

It is also recommend to use an active USB hub, as the power from the iPad may be insufficient for the electronics of the USB-to-MIDI adapter.

The USB-to-MIDI adapter must be compatible to Apple’s CoreMIDI.

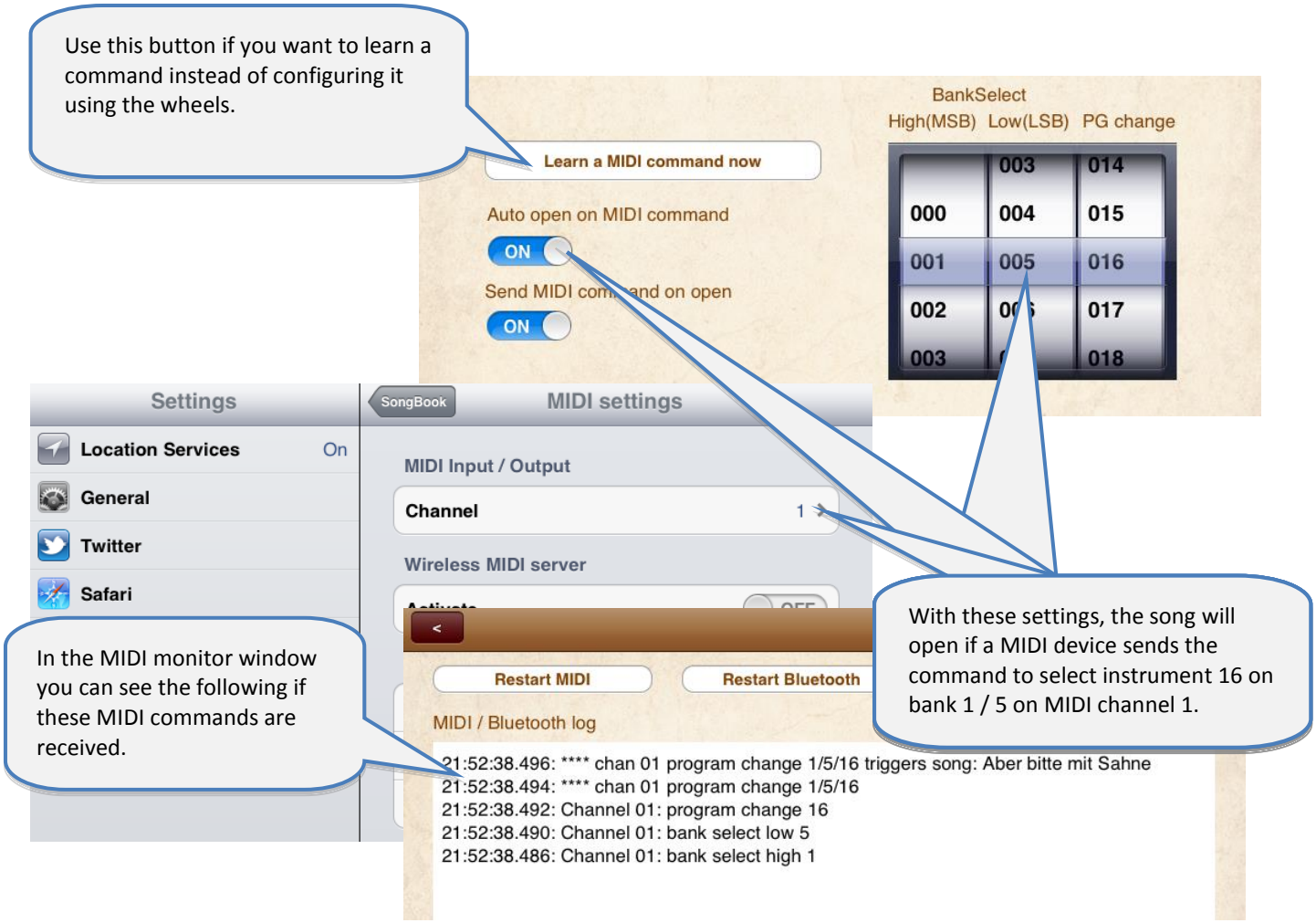
Alternatively you can also use the IO Dock from Alesis or the iRig MIDI Adapter from IK Multimedia.
In contrast to “Apple iPad Camera Connection Kit”, they offer the advantage that the iPad can also be supplied with power during the Midi operation.

19.2 Open song text on incoming MIDI commands

SongBook+ can listen for *ProgramChange* commands on the MIDI interface and then open a song. These commands normally select an instrument.

A typical use of this feature is that *ProgramChange* commands are sent from within a MIDI style, from within a played MIDI file, or from the keyboard when a registration was selected. SongBook+ then opens the corresponding song text. (A MIDI style can resend the same *ProgramChange* over and over again while looping; this will not lead to a problem.)

SongBook+ opens a song text, if it received *BankSelect* commands and a *ProgramChange* command as configured in the „Edit song detail“ window.
Please note that SongBook+ uses values from 0 to 127. If your keyboard uses numbers from 1 to 128 instead, you must subtract 1 to get the value to configure in SongBook+.



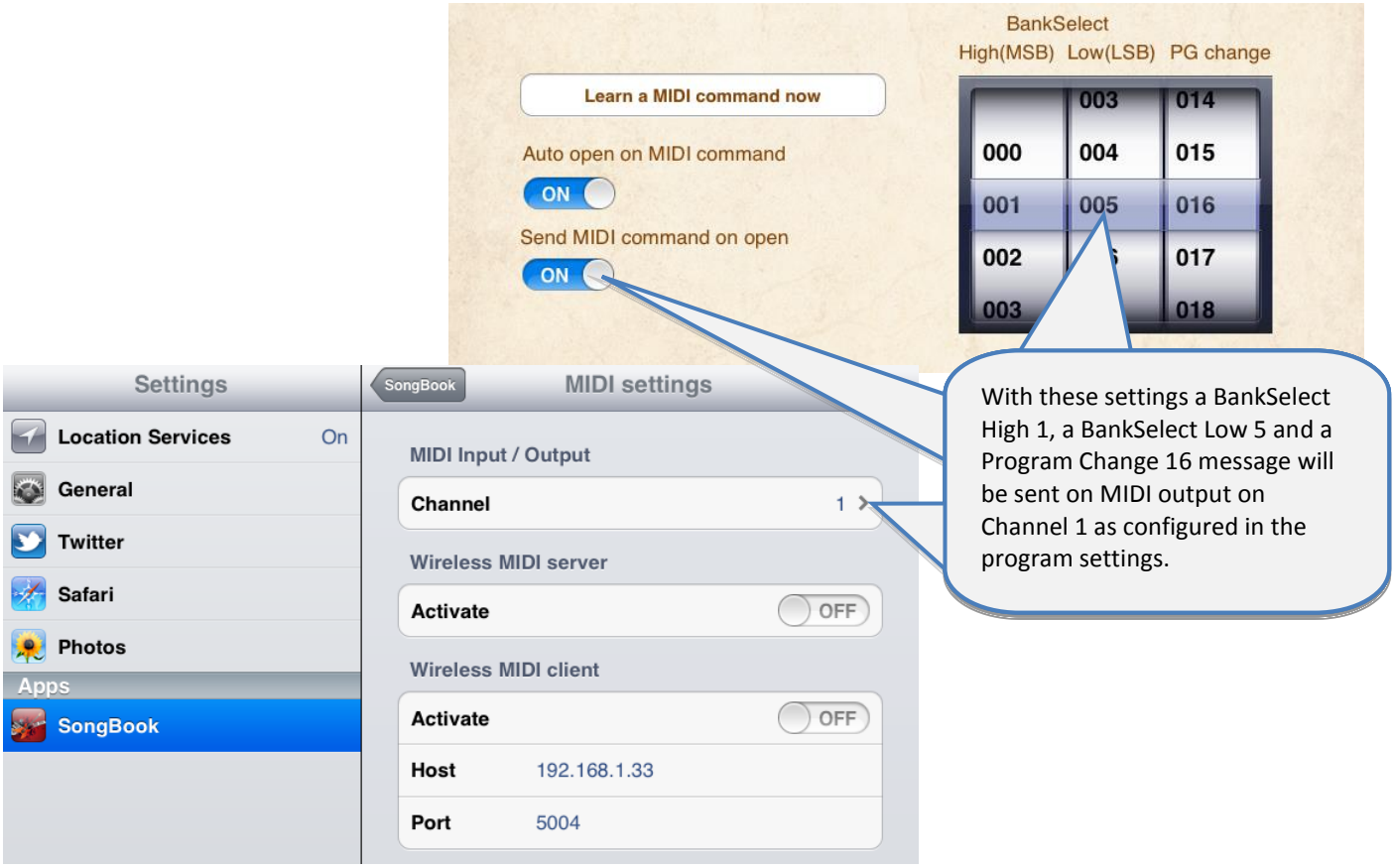
Please use the built-in MIDI monitor to find out what is actually received by the MIDI interface if it doesn’t work as expected.

19.3 Send MIDI commands when song text is opened

You can also enable SongBook to send MIDI commands when you open a song text.
A typical use of this feature is to configure external devices like a keyboard upon selecting a song.
There are different ways to send MIDI commands:

19.3.1 Send the configured BankSelect/ProgramChange commands

SongBook+ sends the *BankSelect* and *ProgramChange* commands as configured in the „Edit song detail“ window, if the switch „Send MIDI command on open“ is set to on.
The MIDI channel that SongBook+ is sending these commands on is the same as configured for the MIDI input.



19.3.2 Send the contents of a MIDI file upon opening the song

SongBook sends the contents of a MIDI file upon *opening* the song, if a .mid file with exactly the same file name as the .pdf file extended with "_open.mid" exists.

(i.e. MySong.pdf → MySong_open.mid)

Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

19.3.3 Send other configurable MIDI commands

Using the "Actions upon opening" button in the editing window of the song, you can define optional MIDI commands to be sent upon opening the song.

19.4 Send MIDI commands when the song is started

19.4.1 Send the contents of a MIDI file upon starting the song

SongBook sends the contents of a MIDI file upon *starting* the song, if a .mid file with the same file name as the .pdf file extended with "_start.mid" exists.

(i.e. MySong.pdf → MySong_start.mid)

Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

19.4.2 Send MIDI Start when the song was started

You can configure in the settings, if SongBook should send MIDI Start upon starting the song.

19.4.3 Send other configurable MIDI commands

Using the "Actions upon starting" button in the editing window of the song, you can define optional MIDI commands to be sent upon starting the song.

19.5 Send MIDI commands when the song is stopped

19.5.1 Send the contents of a MIDI file upon stopping the song

SongBook sends the contents of a MIDI file upon *stopping* the song, if a .mid file with the same file name as the .pdf file extended with "_stop.mid" exists.
(i.e. MySong.pdf → MySong_stop.mid)
Only MIDI files of type 0 (single track) are allowed. All commands are sent at once, timing information is ignored and therefore this feature cannot be used to send music to the MIDI output, but only commands to configure the environment.

19.5.2 Send MIDI Stop when the song was stopped

You can configure in the settings, if SongBook should send MIDI Stop upon stopping the song.

19.5.3 Send other configurable MIDI commands

Using the "Actions upon stopping" button in the editing window of the song, you can define optional MIDI commands to be sent upon stopping the song.

19.6 Send MIDI commands at a button touch

You can also send freely configurable MIDI commands from the song lyrics or musical notes at a single button touch with the help of the special "Action button" annotation.

To learn how you can insert and configure an action button annotation, see chapter **12.6.**

20 Using foot pedals

20.1 Foot pedals that simulate an external keyboard

SongBook+ supports all foot pedals that are able to simulate an external keyboard and can send one or more of the following keys:

In the application settings you can enable the use of foot pedals and assign the keys to the following actions:

- Do nothing
- Go one page forward/backward
- Press the Start/Stop/Pause/Continue button
- Jump to the next song
- Jump back to the song list
- Open song preselection list
- Start/pause/continue scrolling
- Scroll faster/slower
- Go the whole/half/third/quarter page forward or backward
- Turn automatic playback on/off/toggle
- Start/stop the metronome

In the Midi and Bluetooth monitor you can see which keys your foot pedal is sending.

To use this feature you can use e.g. the following foot pedals:

- BT-105 by Airturn (www.airturn.com) connected via Bluetooth
- PageFlip by Cicada (www.pageflip.com) connected via Bluetooth
- Footime by Bili's (www.bilila.com) connected via USB Camera Adapter

20.2 Foot pedals that send MIDI commands

SongBook+ supports all foot pedals that can send one or more of the following MIDI commands:

- MIDI Start (used by Alesis io Dock pedal 1)
- MIDI Stop (used by Alesis io Dock pedal 2)
- MIDI Pause
- MIDI Continue
- MIDI Control-Change 63 to value (used by Alesis io Dock pedal 2)
- MIDI Control-Changes to an arbitrary value

In the application settings you can enable the use of MIDI foot pedals (*) and assign the keys to the following actions:

- Do nothing
- Go one page forward/backward
- Press the Start/Stop/Pause/Continue button
- Jump to the next song
- Jump back to the song list
- Open song preselection list
- Start/pause/continue scrolling
- Scroll faster/slower
- Go the whole/half/third/quarter page forward or backward
- Turn automatic playback on/off/toggle
- Start/stop the metronome

Remark Alesis io Dock: The Alesis io Dock alternately sends MIDI Start and MIDI Stop on the first foot pedal. If you use this foot pedal you should assign the same action for MIDI Start and MIDI Stop.

Remark iRig BlueBoard: *The iRig BlueBoard alternately sends ControlChanges on the value 0 or 127. If a button always performs the same action each time it is pressed, you must use two of the optionally configurable ControlChanges per button in SongBook+, one to respond when changing to 0, and another to respond when changing to 127, and assign the same action to both of them.*

In the Midi and Bluetooth monitor you can see which commands your foot pedal is sending.

(*) Of course the MIDI commands do not entirely have to come from a foot pedal. They can be sent by any connected MIDI device.

21 Connecting multiple iPads with SongBook+

You can connect multiple iPads with SongBook+, either via Bluetooth (wirelessly) or MIDI (by cable or wirelessly).

One SongBook must be configured as server and all others as clients.

This allows you to synchronize the following actions:

- Selecting a song
- Preselecting a song
- Turning pages
- Start button
- Stop button

If you want to build multiple SongBook groups using Bluetooth connection or protect yourself against connections from external SongBooks, you can set a common Bluetooth keyword.

If the feature is enabled in the application settings, the devices connect automatically upon starting SongBook+.

In order to synchronize the opening of songs on multiple iPads, the following three numbers in the song details must match on all iPads (even if you don't use MIDI at all).

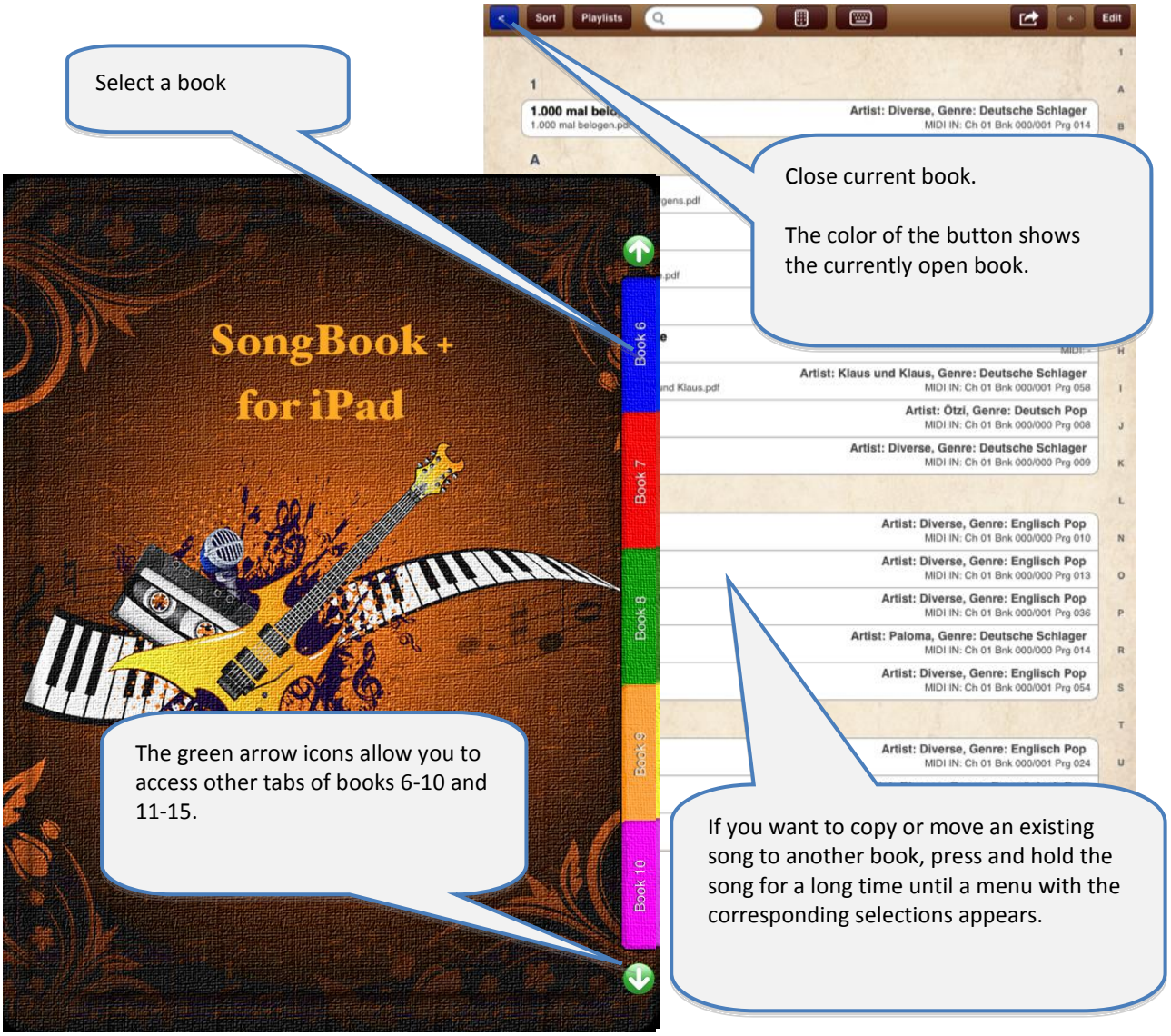
Note:
Wireless MIDI connection additionally requires a WLAN router.

22 Use of multiple books

If you want to use multiple books, activate the switch „Activate multiple books “ in the settings of SongBook+.

You will then see five colored tabs on the book cover that can be used to open the desired book.

Book labels or tabs can be changed in the settings of SongBook+.



The list of the input artists and genres is shared by all books.

23 Backup and restore your data

The following chapters show you how to save your data to your computer and how to restore the saved data to SongBook.

With the same steps it is also possible to transfer your data from SongBook+ lite to the full version of SongBook+.

23.1 Backup your data

To save your data from SongBook to your computer, connect your iPad to the computer, start iTunes and follow the steps below:

23.2 Restore your data from Backup

- **First, quit SongBook+ as described in chapter 24!**
  If you don't do that beforehand, the restoration of data will be ineffective.
- After you have quit SongBook+, you can restore the data back to SongBook+.
- The restoration of data is carried out in the same way as if you copied other files into SongBook+. Follow the steps as described in chapter 2 and restore the "SongBookMidi.sqlite" file (and your PDFs and MP3s, if necessary) to SongBook+.

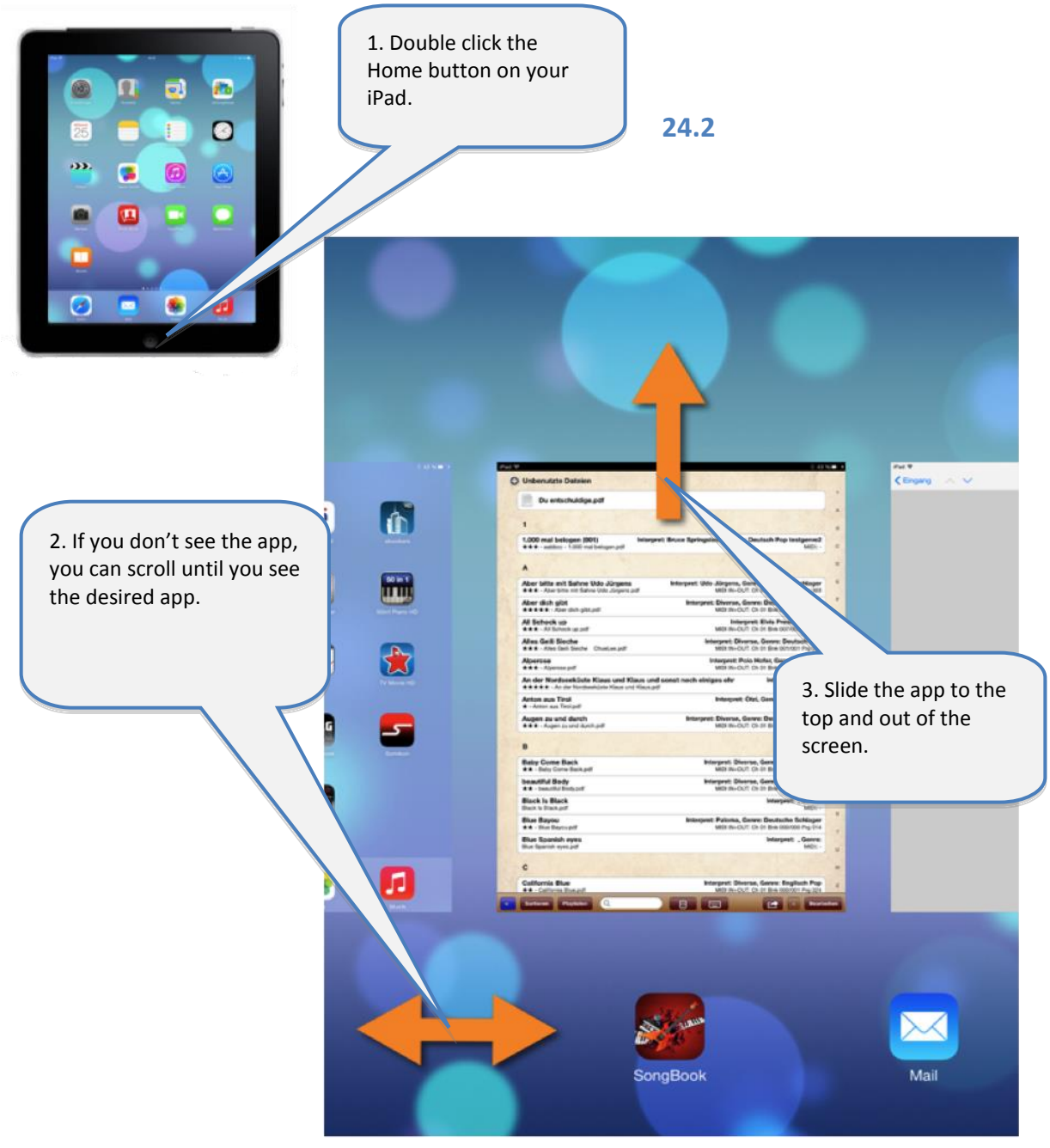
- Attention:
  Since operating system version iOS7 the two files SongBookMidi.sqlite-wal and SongBookMidi.sqlite-shm must also be restored.
  If you restore an old backup without these two files, delete these two files from the target device!

24 Quit SongBook+ or other apps completely

If you close an app using the Home button, it continues to run in the background and still requires memory that other apps may lack.
Therefore, it is highly recommended, especially before operations, to quit all these apps completely including SongBook+ and then restart SongBook+ only so that it could use as much free memory as possible.

24.1 Quit the apps in iOS 7 or above

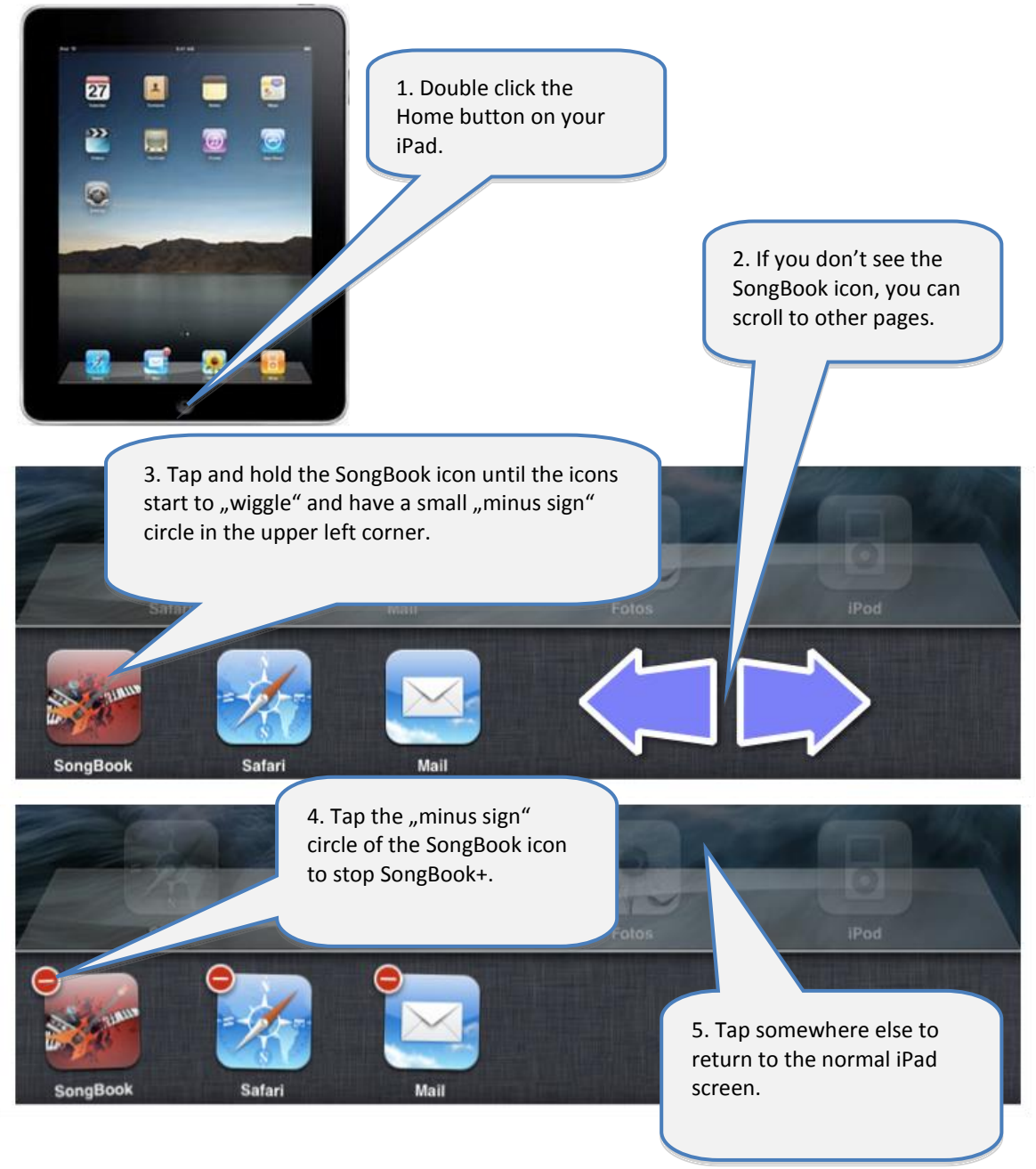
If you have a second-generation iPad or newer and/or have installed regular operating system updates on your iPad, close the apps as follows.



24.2

24.2 Quit the apps in iOS prior to iOS 7

If you have a first-generation iPad or have not installed any operating system updates on your iPad in a long time, close the apps as follows.



25 Supported file formats

25.1 Files for text or note display

Files with file extensions PDF, PNG, JPG, JPEG, TIF, TIFF, GIF, TXT are used for displaying song lyrics or musical notes.

25.2 Music files

Files with file extensions MP3, WAV, AIFF, M4A can be used for music playback.

25.3 Midi files

Files with file extensions MID, MIDI, SMF can be used for MIDI output.

25.4 Video files

Files with file extensions MOV, MP4, MPV, 3GP, M4V and the following compression standards can be used for video output directly to the iPad itself or to an external monitor or projector:

- H.264 Baseline profile level 3.0 video up to 640x480 at 30 fps
- MPEG-4 Part 2 video (Simple Profile)

26 Contribution

MIDI Kommunikation:

The MIDI communication in SongBook+ is based on sample code by Pete Goodliffe. Thank you Pete for publishing your sample code on the Internet.

See here for more information:
http://goodliffe.blogspot.com/2010/10/using-coremidi-in-ios-example.html

Musical symbols:

Die Musiksymbole zum Einfügen mit der Notizfunktion stammen von Linkware Graphics. Many thanks to Shirley Kaiser for publishing these symbols.

Further details can be found here:
http://linkwaregraphics.com/music/

27 Contact information

If you have any questions or feedback about SongBook+, please visit us on

http://www.baum-software.ch

Here you can find a contact form to send us a message, a list of frequently asked questions, download links for the App Store, the latest version of this document and more.