User Manual

SongBook+

Version 3.0

(Document Revision 2)

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" 13

12 Insert / edit / delete annotations 14

12.1 Insert annotations 16

12.2 Delete annotations 17

12.3 Edit annotations 17

12.4 Copy annotations 18

12.5 Save frequently used annotations 19

12.6 Use saved annotations again 19

12.7 Action button annotations 20

13 Use playlists 21

13.1 Select an existing playlist 21

13.2 Add a new playlist 22

13.3 Rename or delete playlists 23

13.4 Edit the content of the playlist 24

13.5 Live playlists 25

14 Import files from mail or other applications 26

15 Share songs or files (export) 27

16 Share SongBook folder via Wi-Fi 28

17 Import lyrics and chords 29

17.1 Import song lyrics and chords from MP3 files 29

17.1.1 Add a song without PDF and select MP3 29

17.1.2 Create PDF from lyrics in MP3 30

17.2 Import song lyrics and chords from MIDI files 30

17.3 Import song lyrics and chords from LRC files 30

17.4 Import song lyrics and chords from ChordPro files 30

18 Transpose chords 31

19 Scan lyrics on paper with built-in camera 32

20 Use the MIDI features 33

20.1 Connecting iPad to MIDI 33

20.1.1 MIDI adapter and devices with USB MIDI interface 33

20.1.2 MIDI adapter directly connected to the iPad ... 34
20.1.3 Wirelessly via Bluetooth or WLAN ... 34
20.2 Playing back MIDI files ... 35
20.3 Open song text on incoming MIDI commands ... 36
20.4 Send MIDI commands when song text is opened ... 37
20.4.1 Send the configured BankSelect/ProgramChange commands ... 37
20.4.2 Send the contents of a MIDI file upon opening the song ... 38
20.4.3 Send other configurable MIDI commands ... 38
20.5 Send MIDI commands when the song is started ... 38
20.5.1 Send the contents of a MIDI file upon starting the song ... 38
20.5.2 Send MIDI Start when the song was started ... 38
20.5.3 Send other configurable MIDI commands ... 38
20.6 Send MIDI commands when the song is stopped ... 39
20.6.1 Send the contents of a MIDI file upon stopping the song ... 39
20.6.2 Send MIDI Stop when the song was stopped ... 39
20.6.3 Send other configurable MIDI commands ... 39
20.7 Send MIDI commands at a button touch ... 39

21 Using foot pedals ... 40
21.1 20.1 Foot pedals that simulate an external keyboard ... 40
21.2 Foot pedals that send MIDI commands ... 41

22 Connecting multiple iPads with SongBook+ ... 42
22.1 Synchronizing via code ... 43
22.2 Synchronizing via MIDI information ... 43

23 Use of multiple books ... 44

24 Backup and restore your data ... 45
24.1 Backup your data ... 45
24.2 Restore your data from Backup ... 46

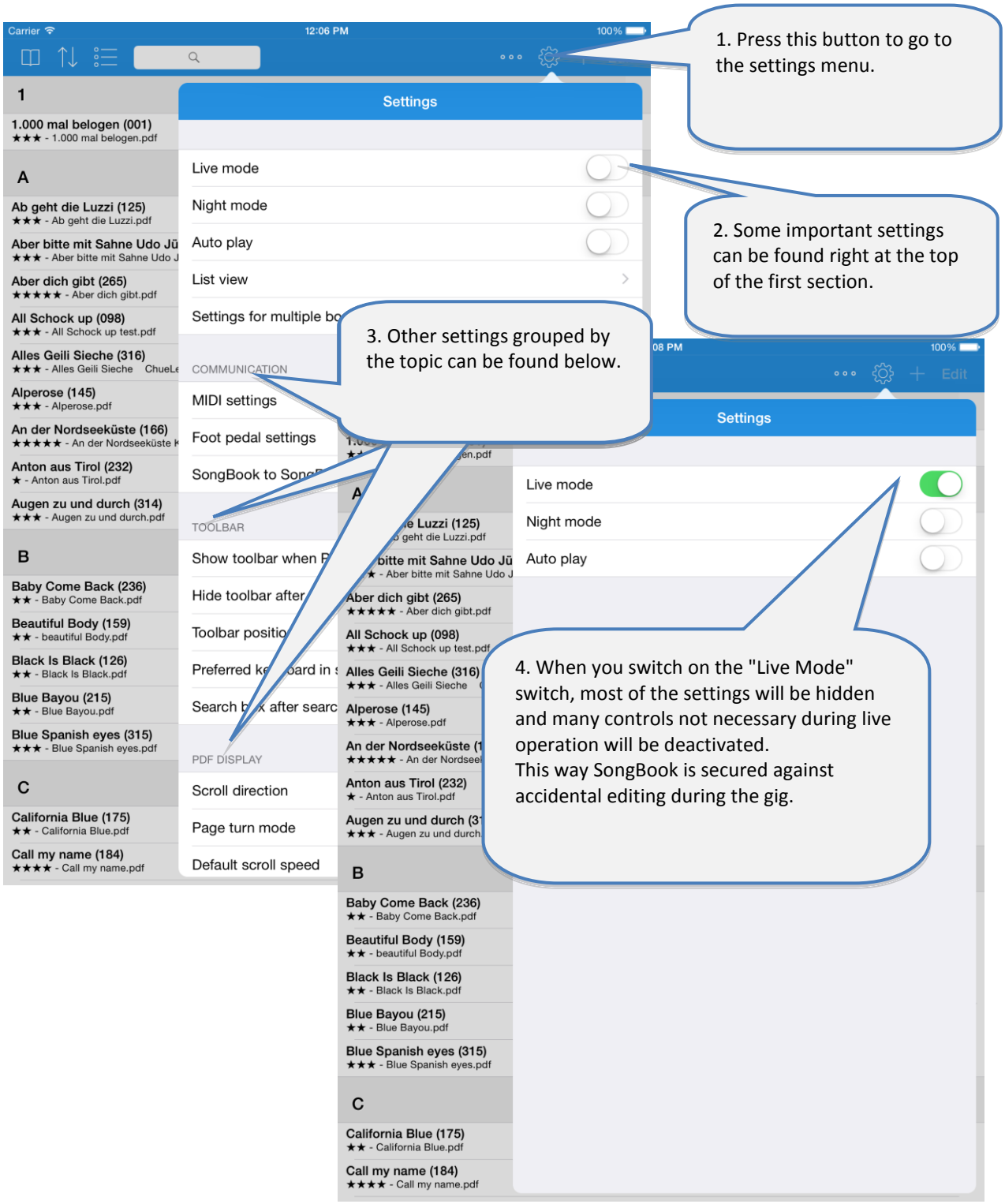
25 Quit SongBook+ or other apps completely ... 47

26 Supported file formats ... 48
26.1 Files for text or note display ... 48
26.2 Music files ... 48
26.3 Midi files ... 48
26.4 Video files ... 48
26.5 ChordPro files ... 48
26.6 LRC files ... 48
26.7 MP3 files with embedded text ... 48

27 Contribution ... 49

28 Contact information ... 49

1 SongBook+ settings



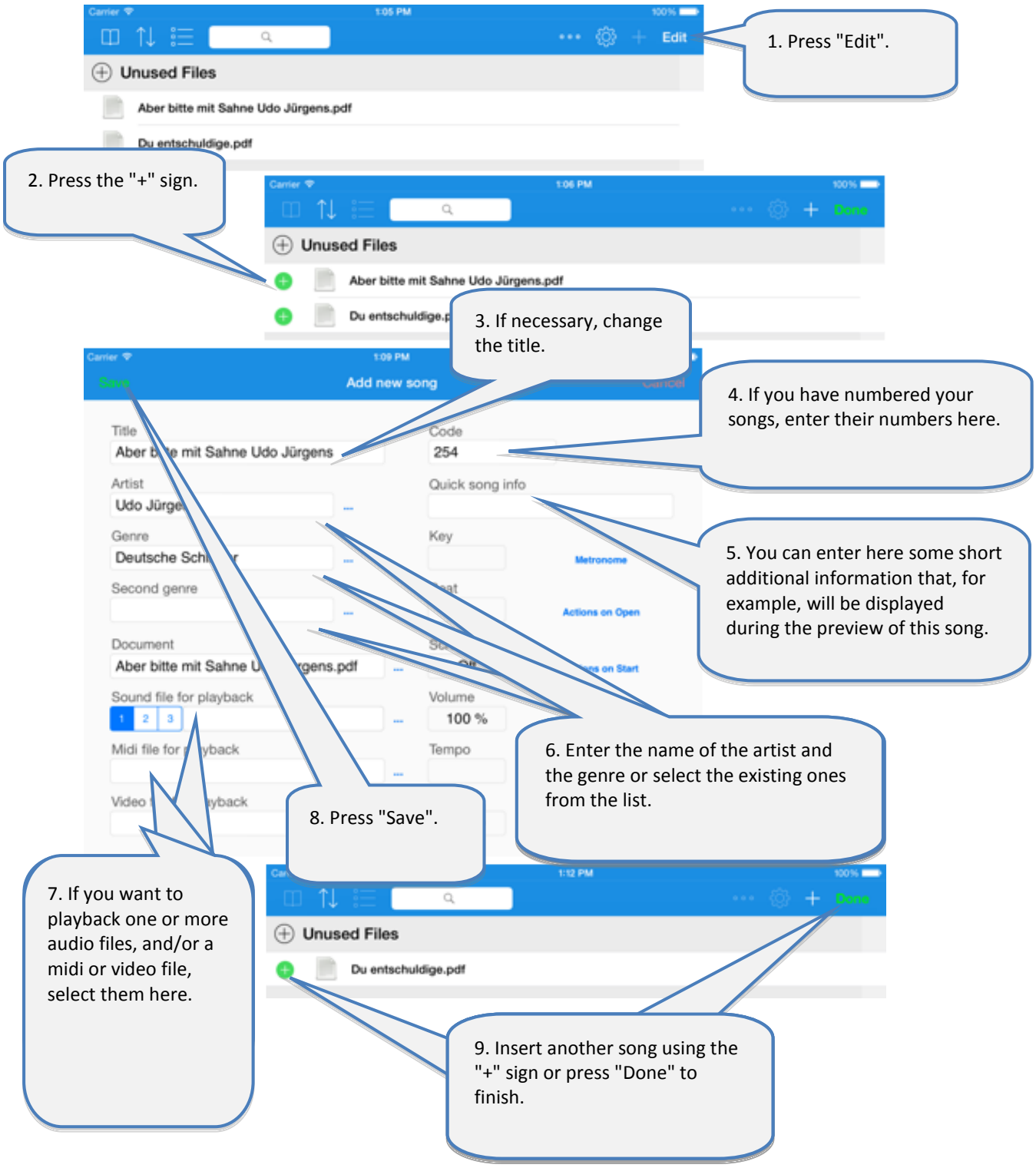
2 Add files to SongBook+ using iTunes

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

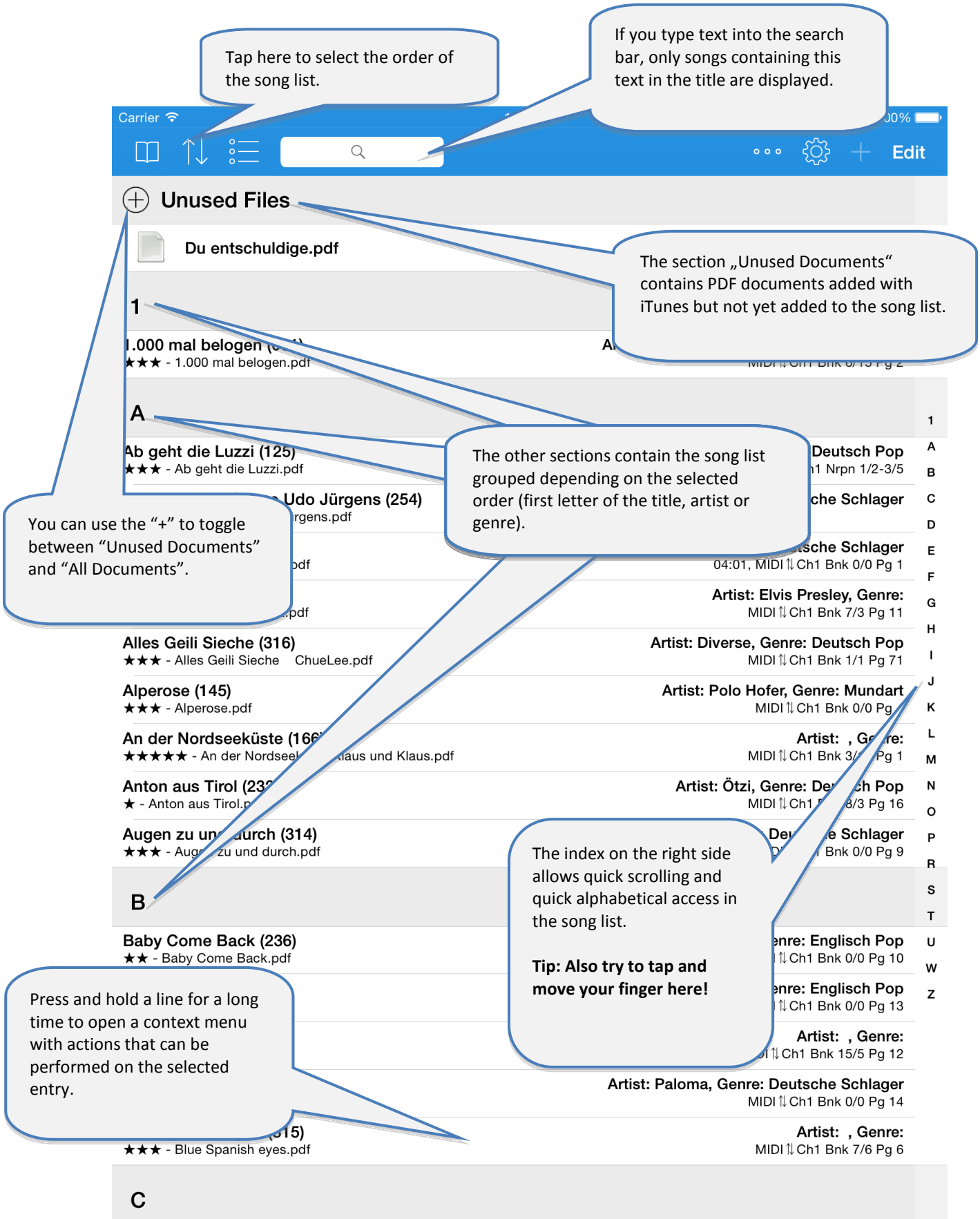
3 Insert unused files into the song list

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.

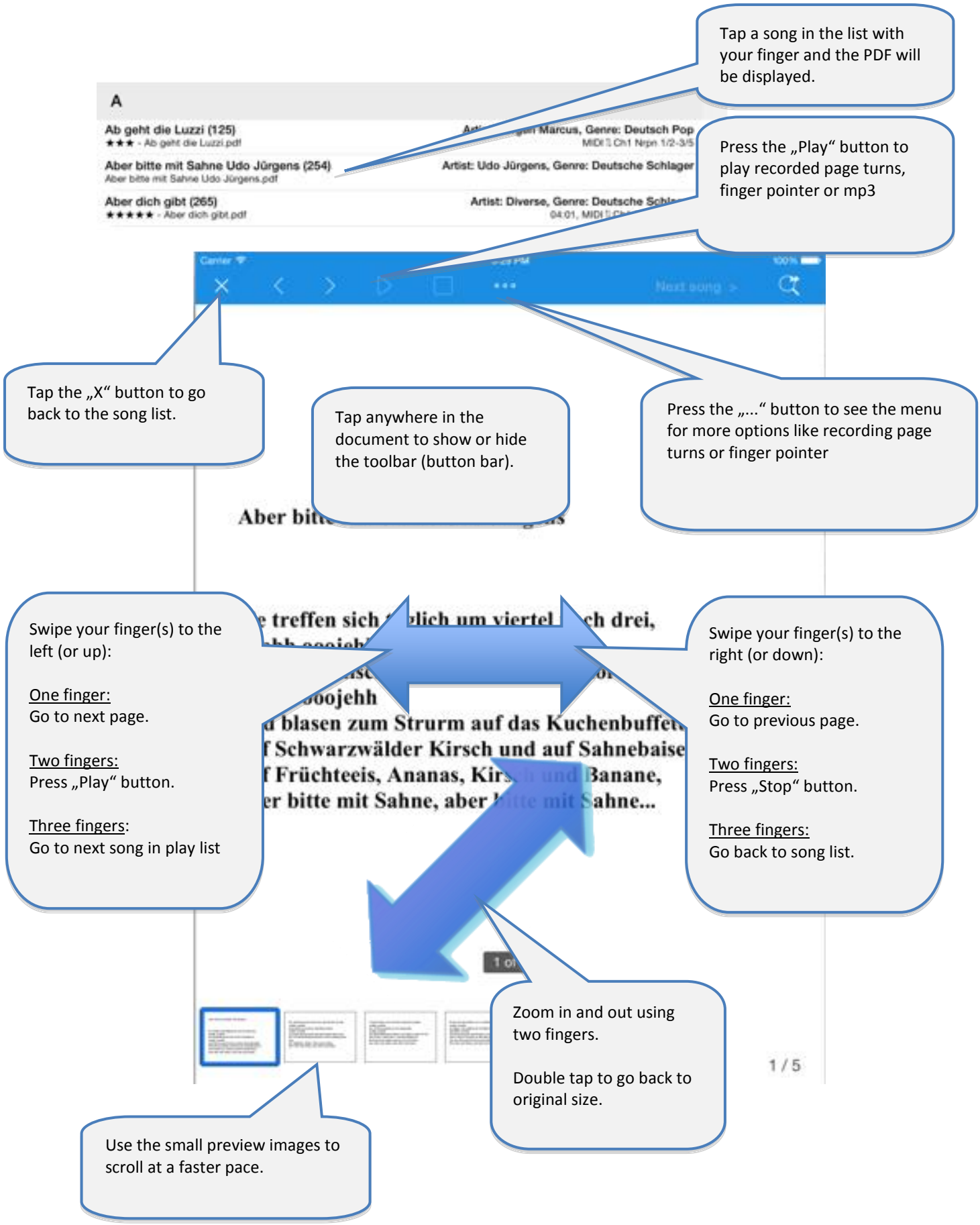


4 Use the song list

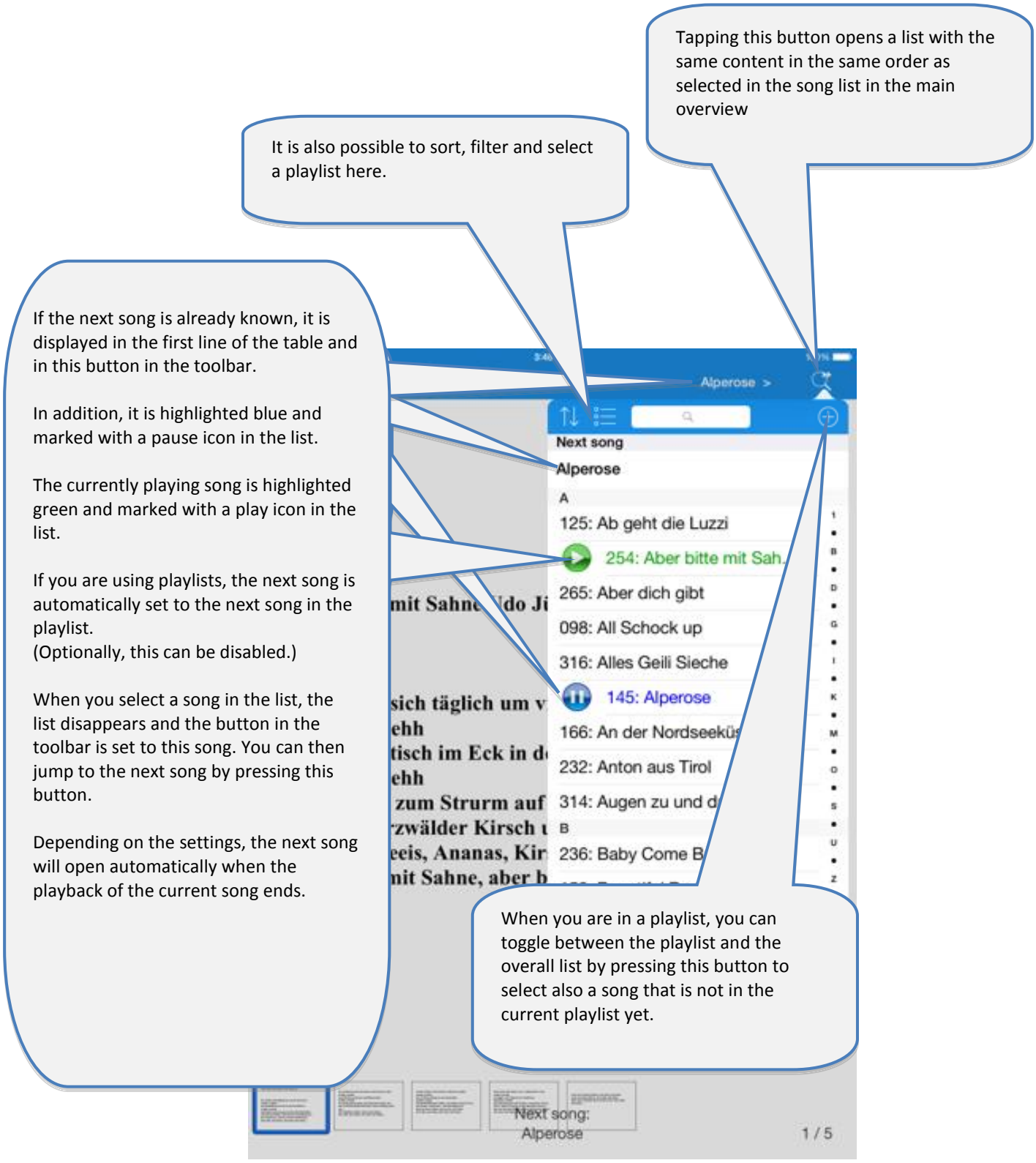


5 Edit song details

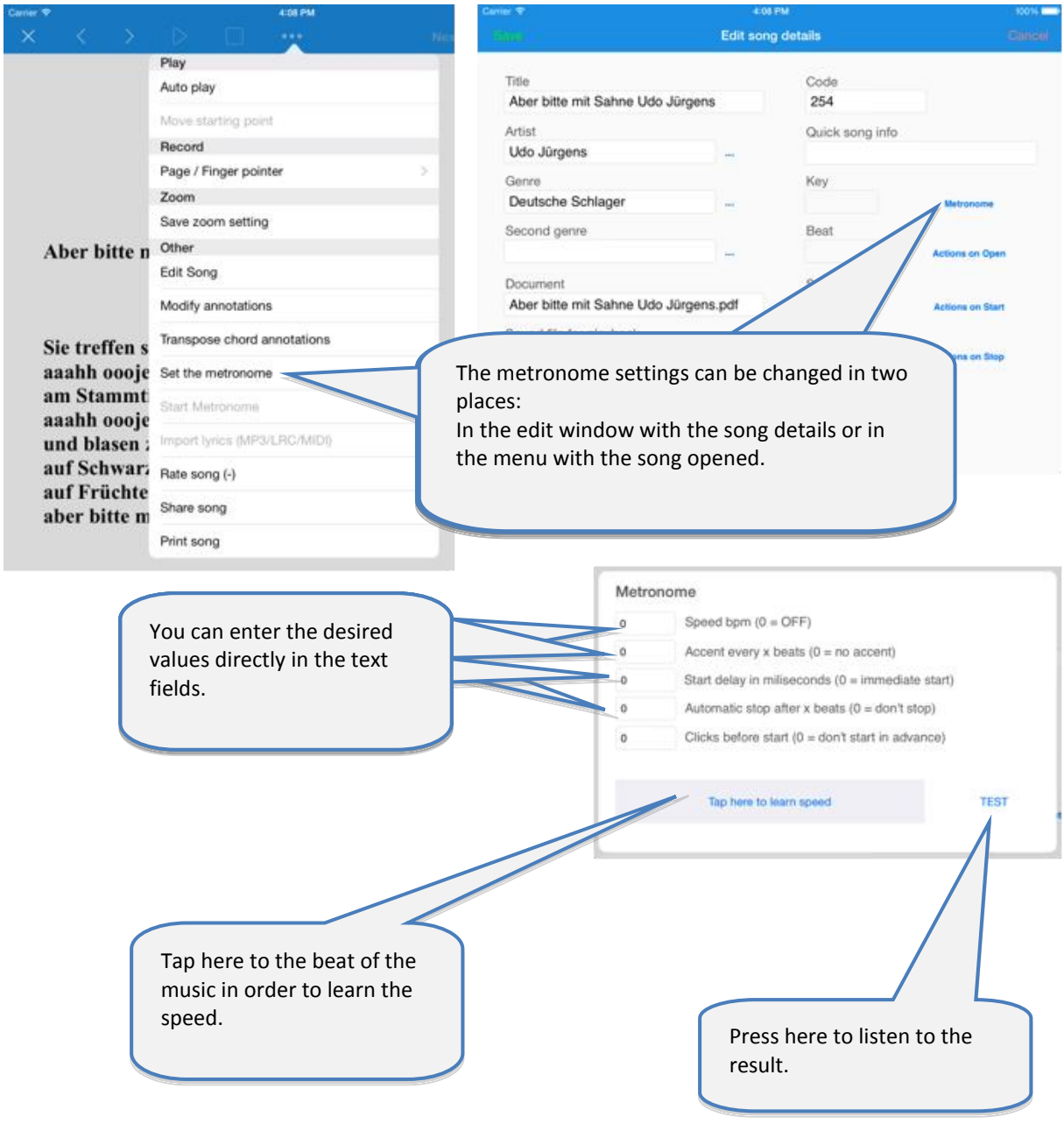
6 Display a PDF document and scroll in the document



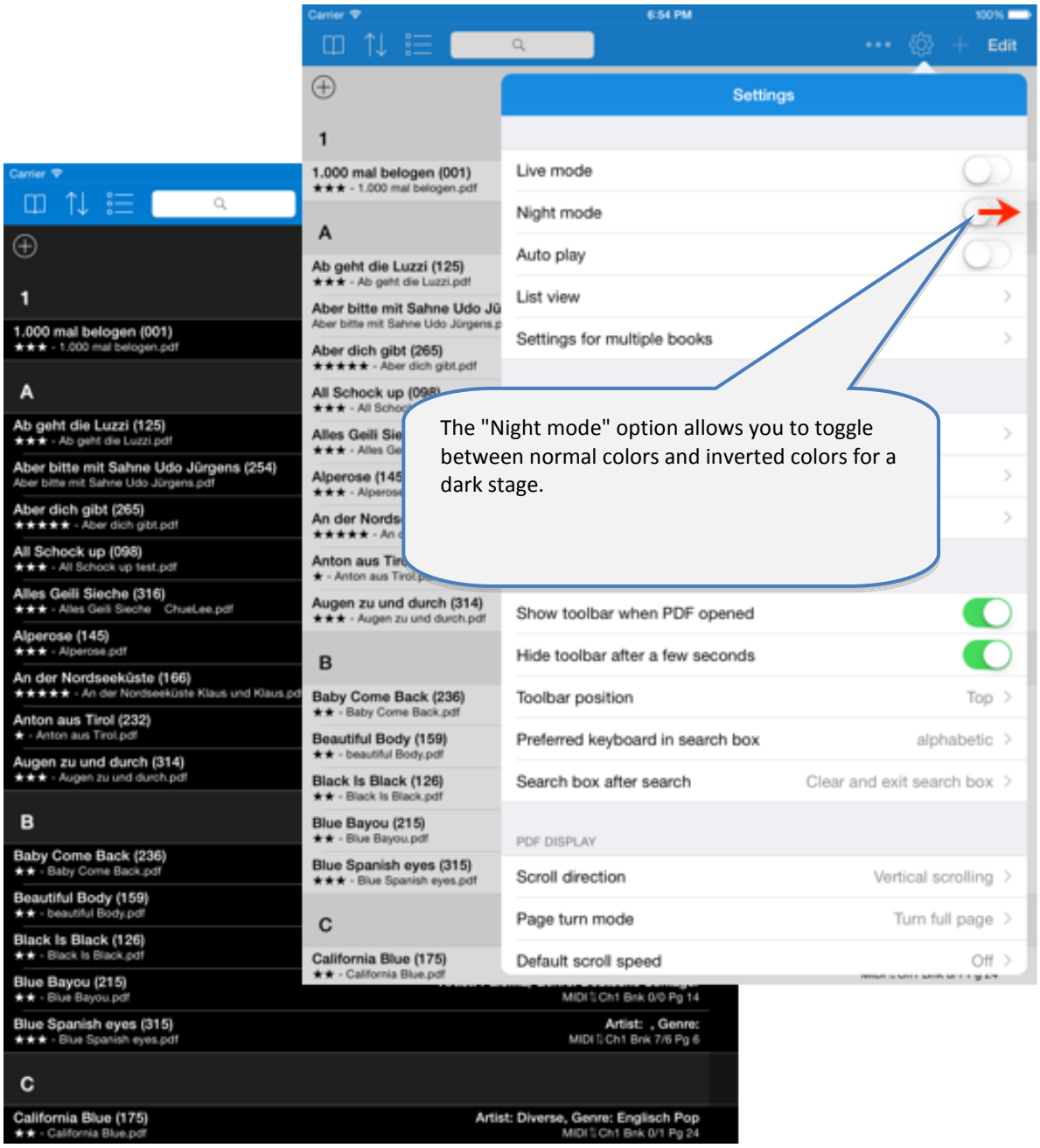
7 Preselect next song without closing the current song



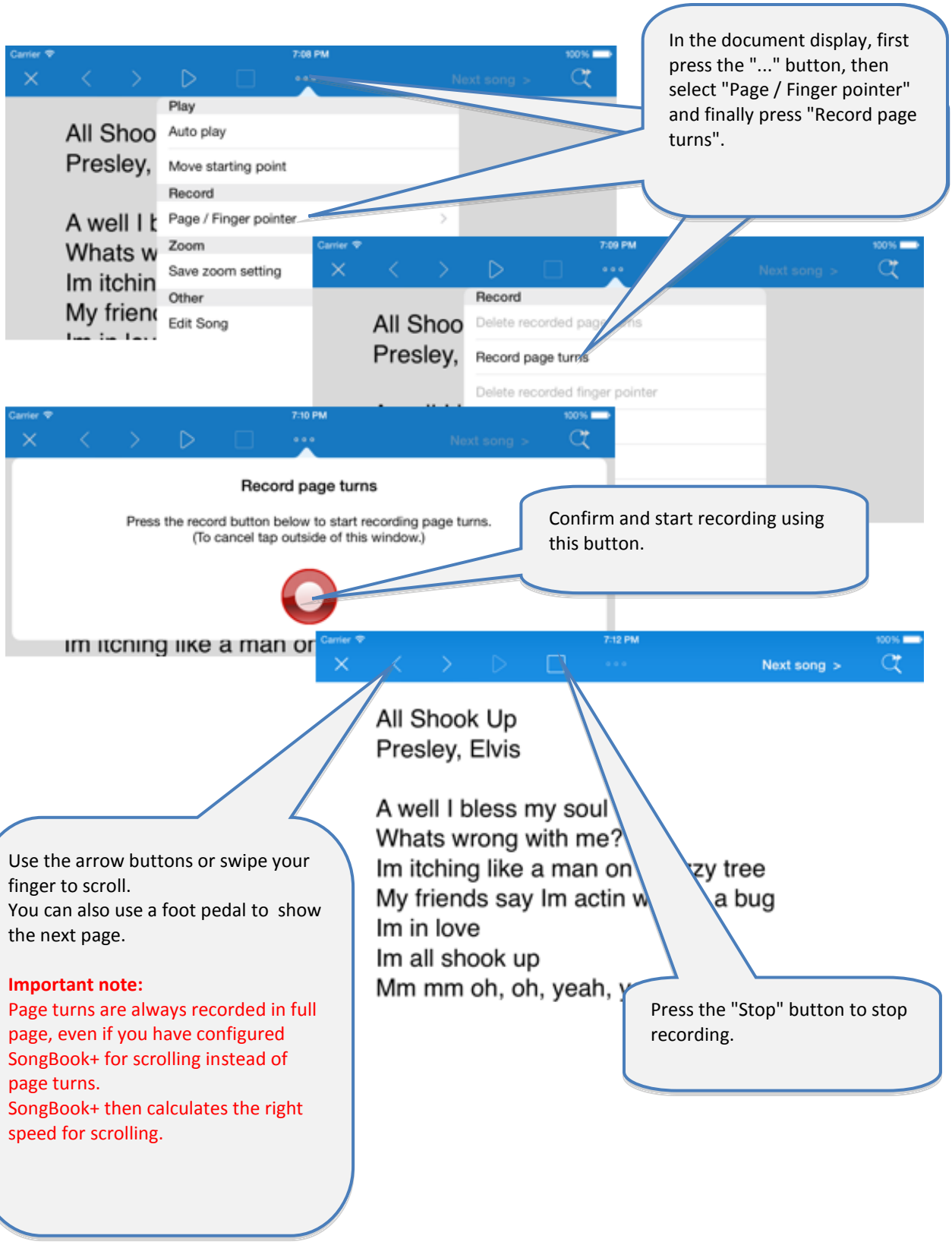
8 Use of the metronome



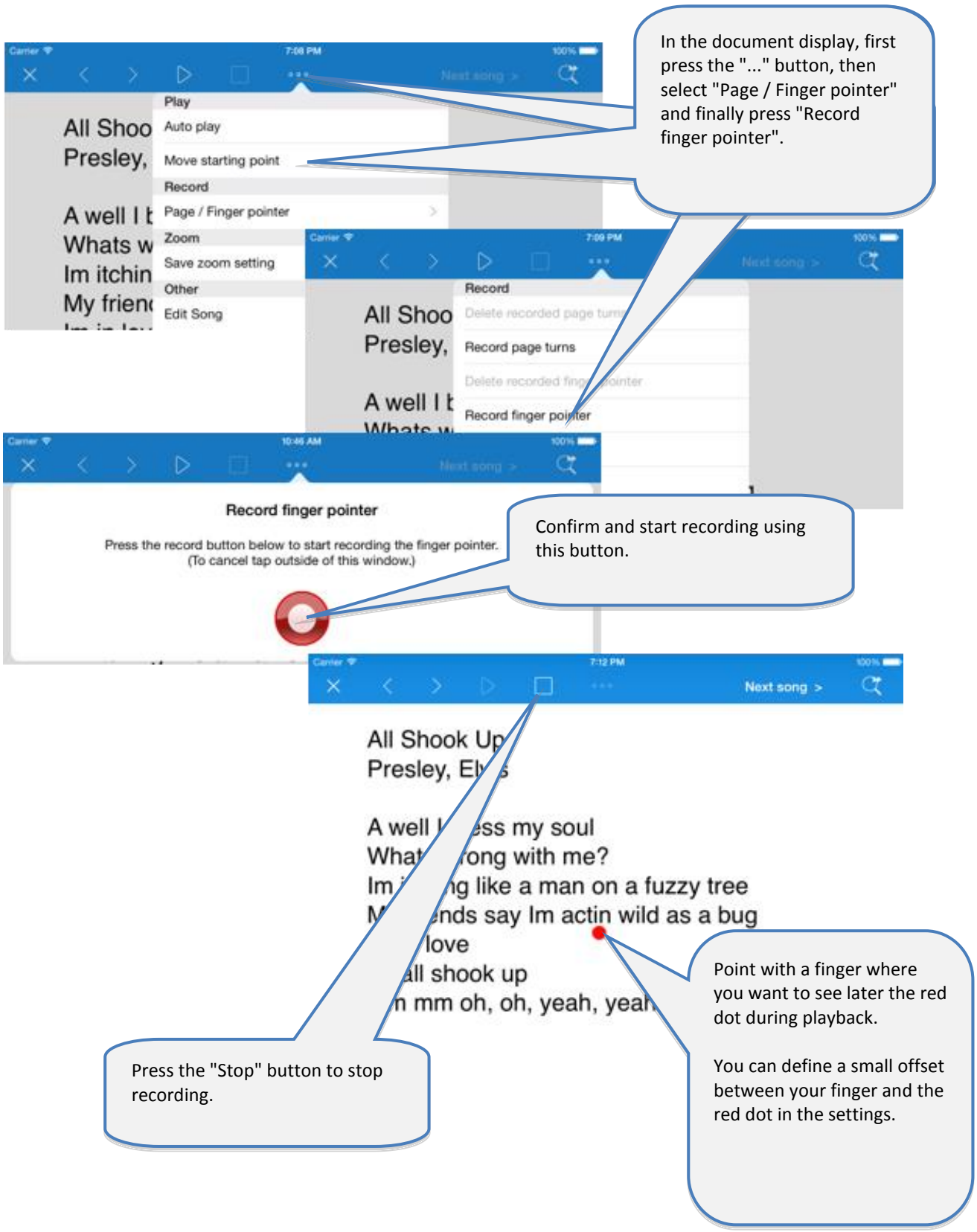
9 Use of night colors



10 Record page turns automatically

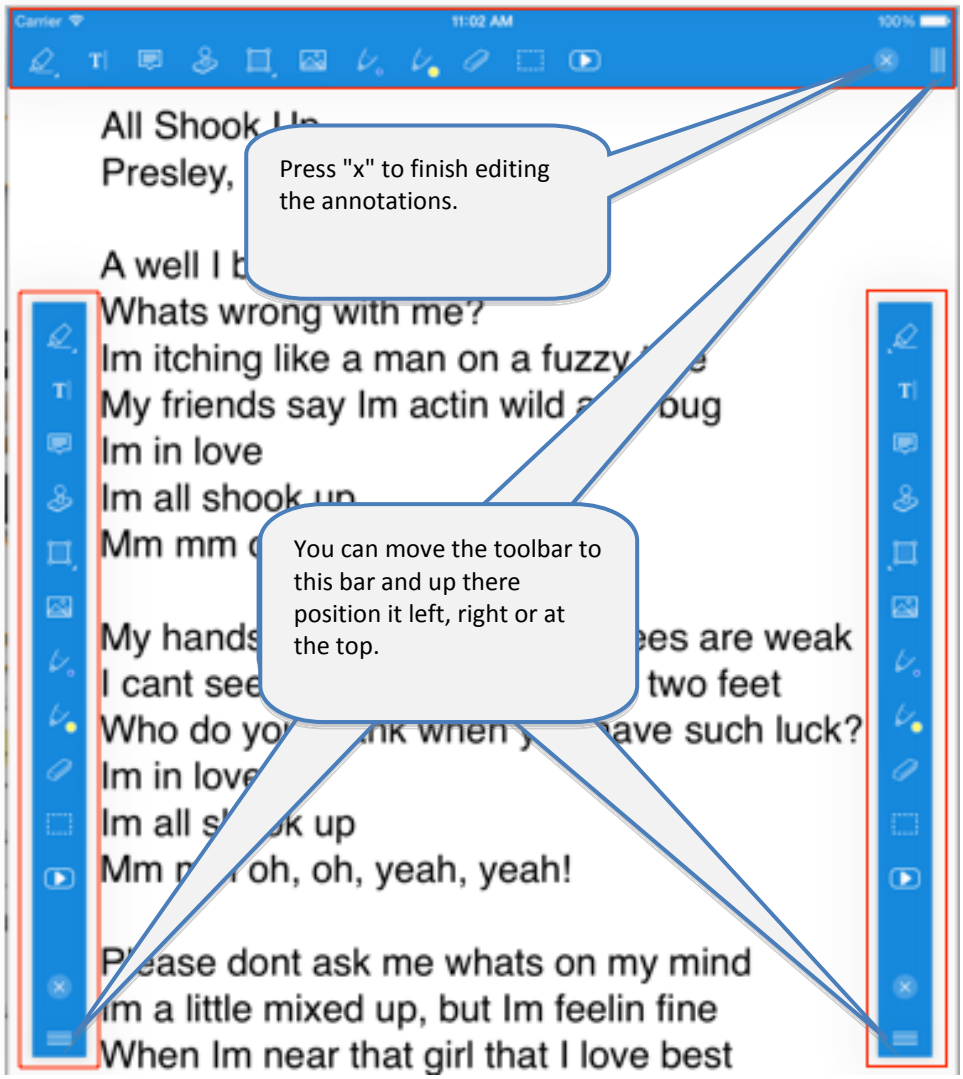


11 Record finger pointer in the "Karaoke style"

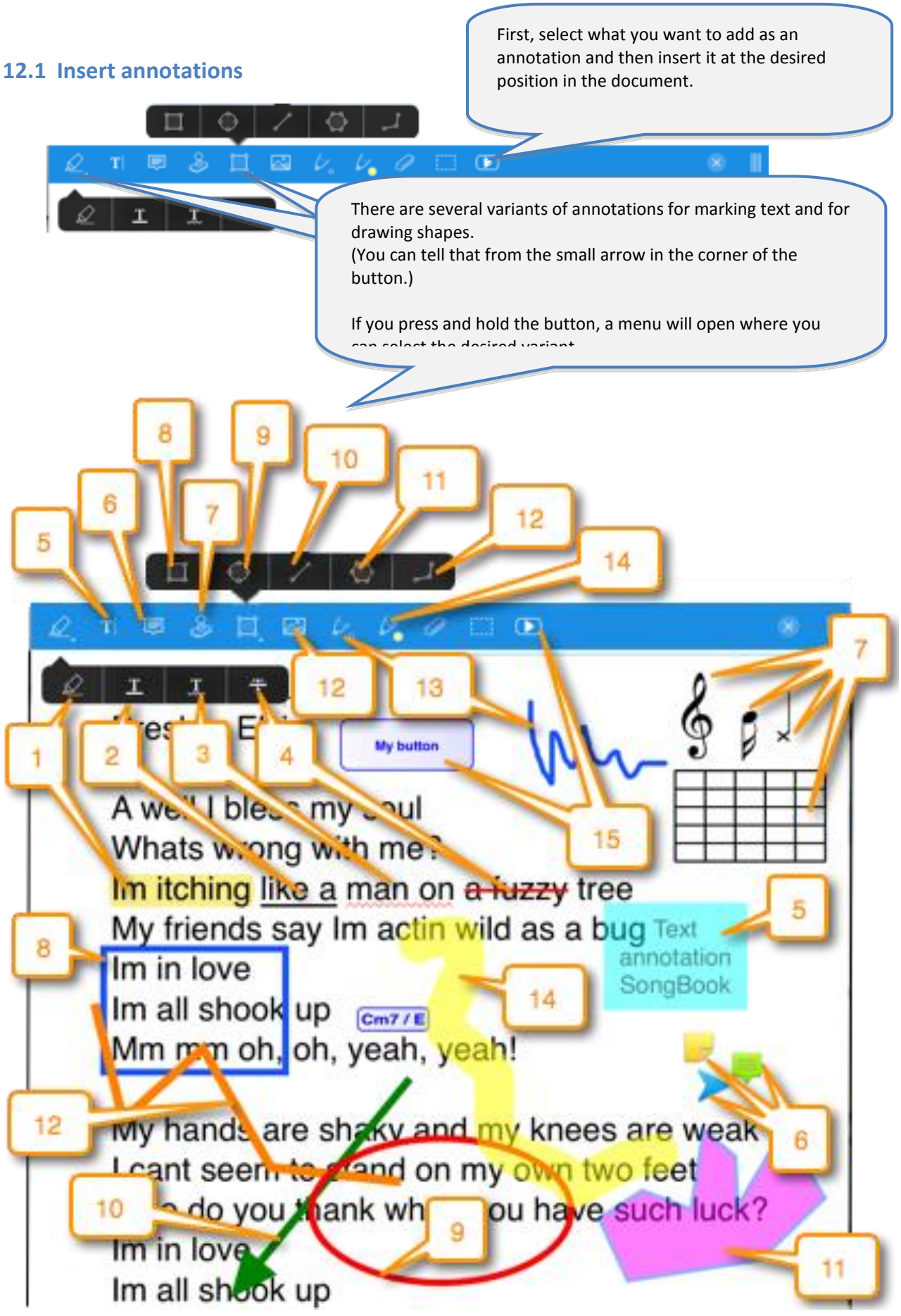


12 Insert / edit / delete annotations

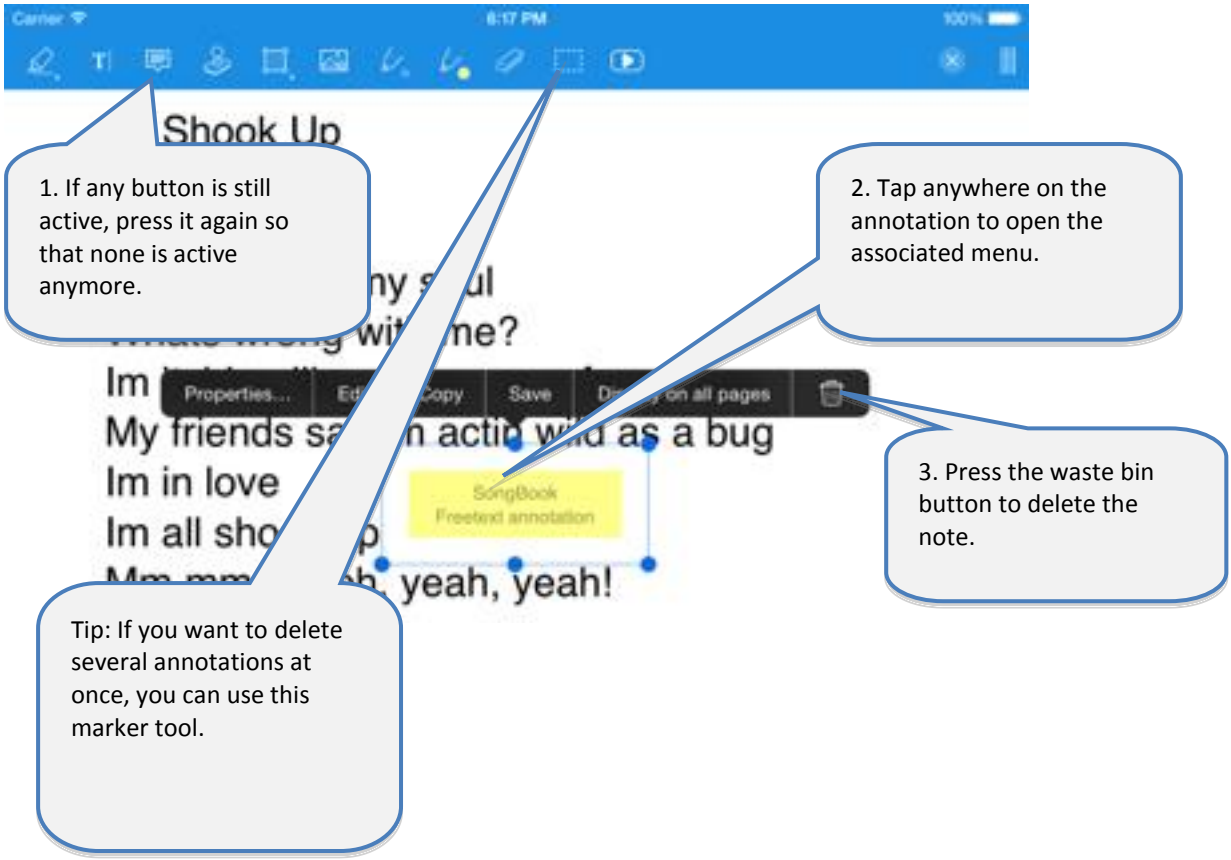
Press "Edit annotations" to begin inserting / editing / deleting annotations.
Carrier
10:59 AM
Next song
Play
Auto play
Move starting point
Record
Page / Finger pointer
Zoom
Save zoom setting
Other
Edit Song
Modify annotations


Press "x" to finish editing the annotations.
You can move the toolbar to this bar and up there position it left, right or at the top.
Carrier
11:02 AM
100%
Presley,
Whats wrong with me?
Im in love
Im in love
oh, oh, yeah, yeah!
Please dont ask me whats on my mind
Im a little mixed up, but Im feelin fine
When Im near that girl that I love best

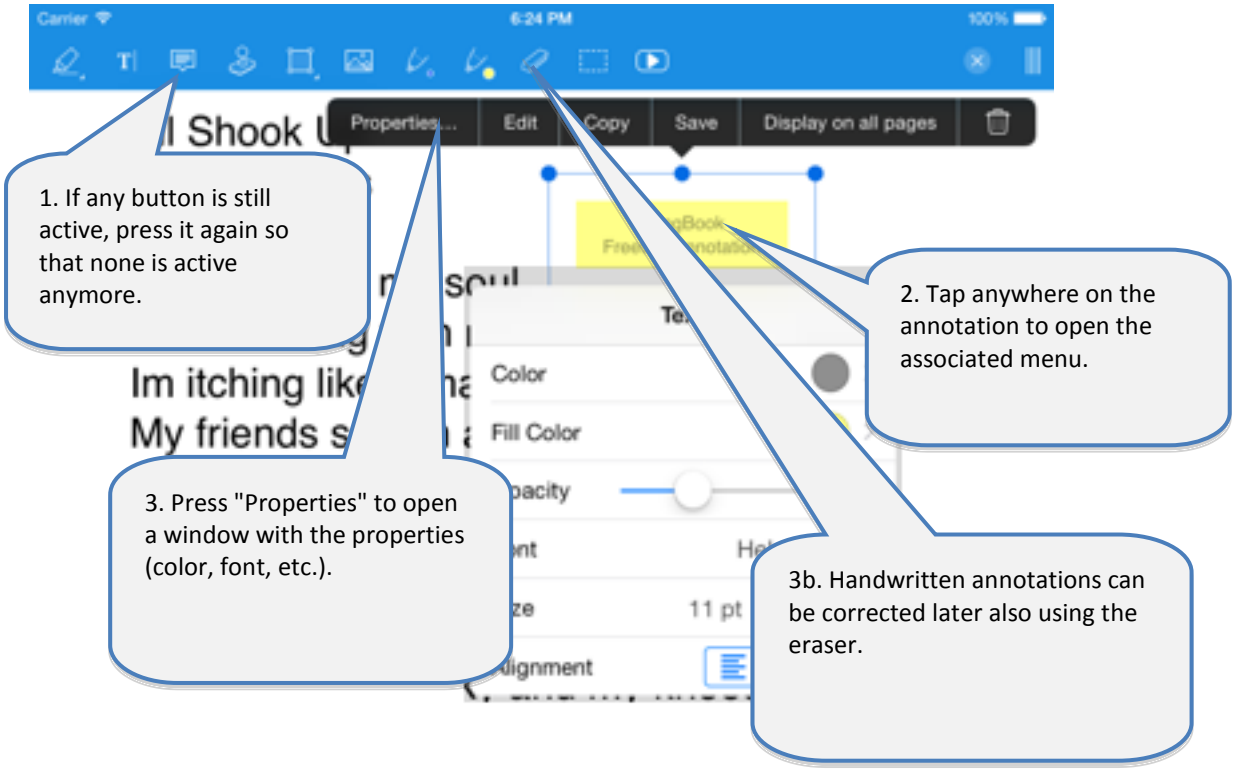
12.1 Insert annotations



12.2 Delete annotations

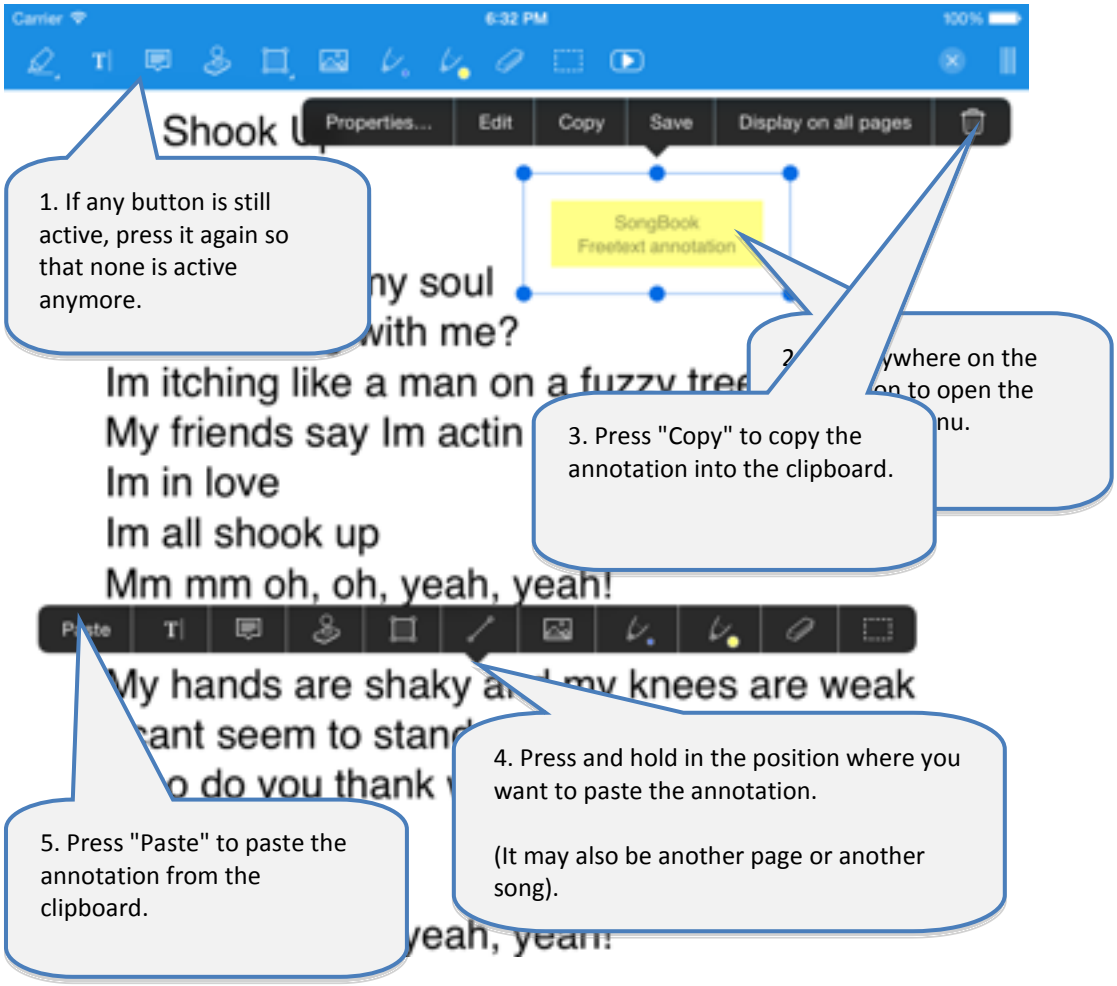


12.3 Edit annotations

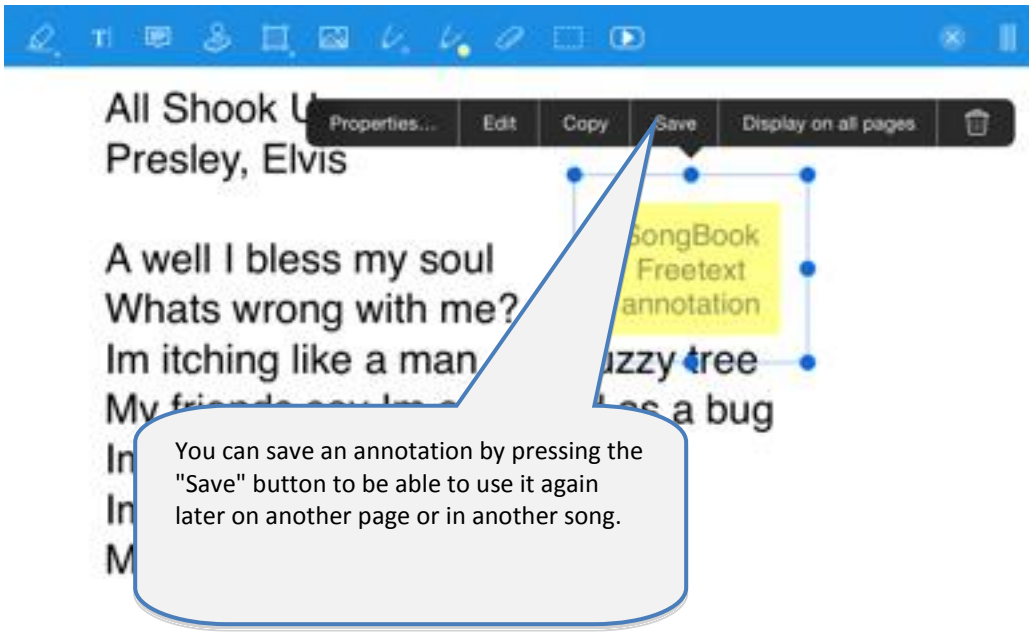


Tip for chord annotations:
If you adjust a chord annotation this way (color, size, etc.), make sure that all other chord annotations in the same song look the same.

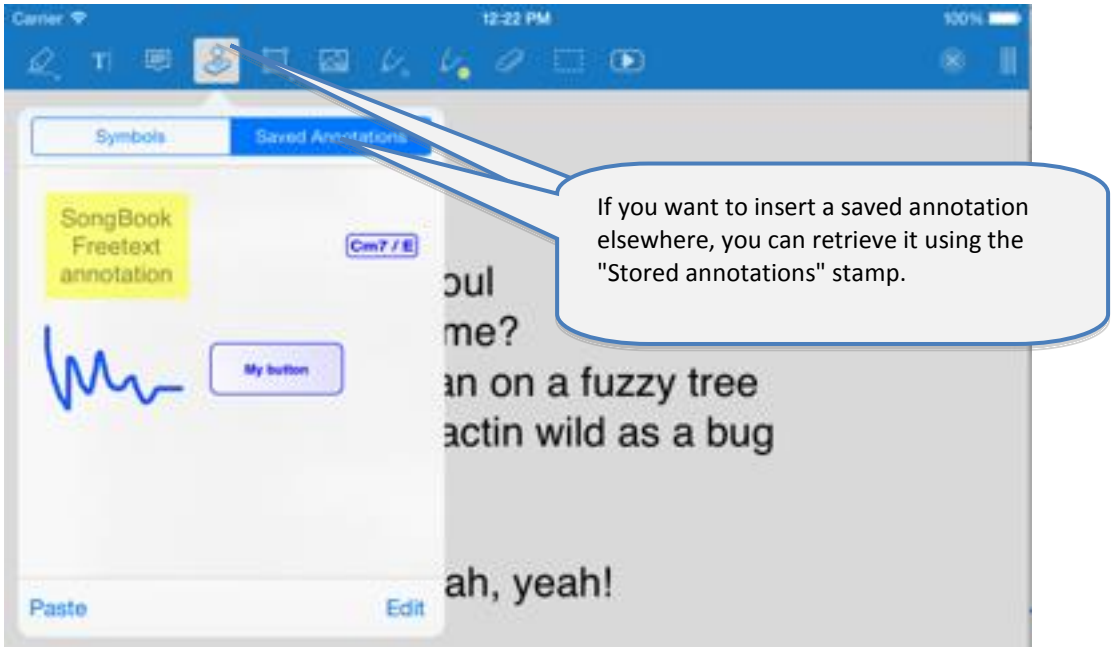
12.4 Copy annotations



12.5 Save frequently used annotations



12.6 Use saved annotations again

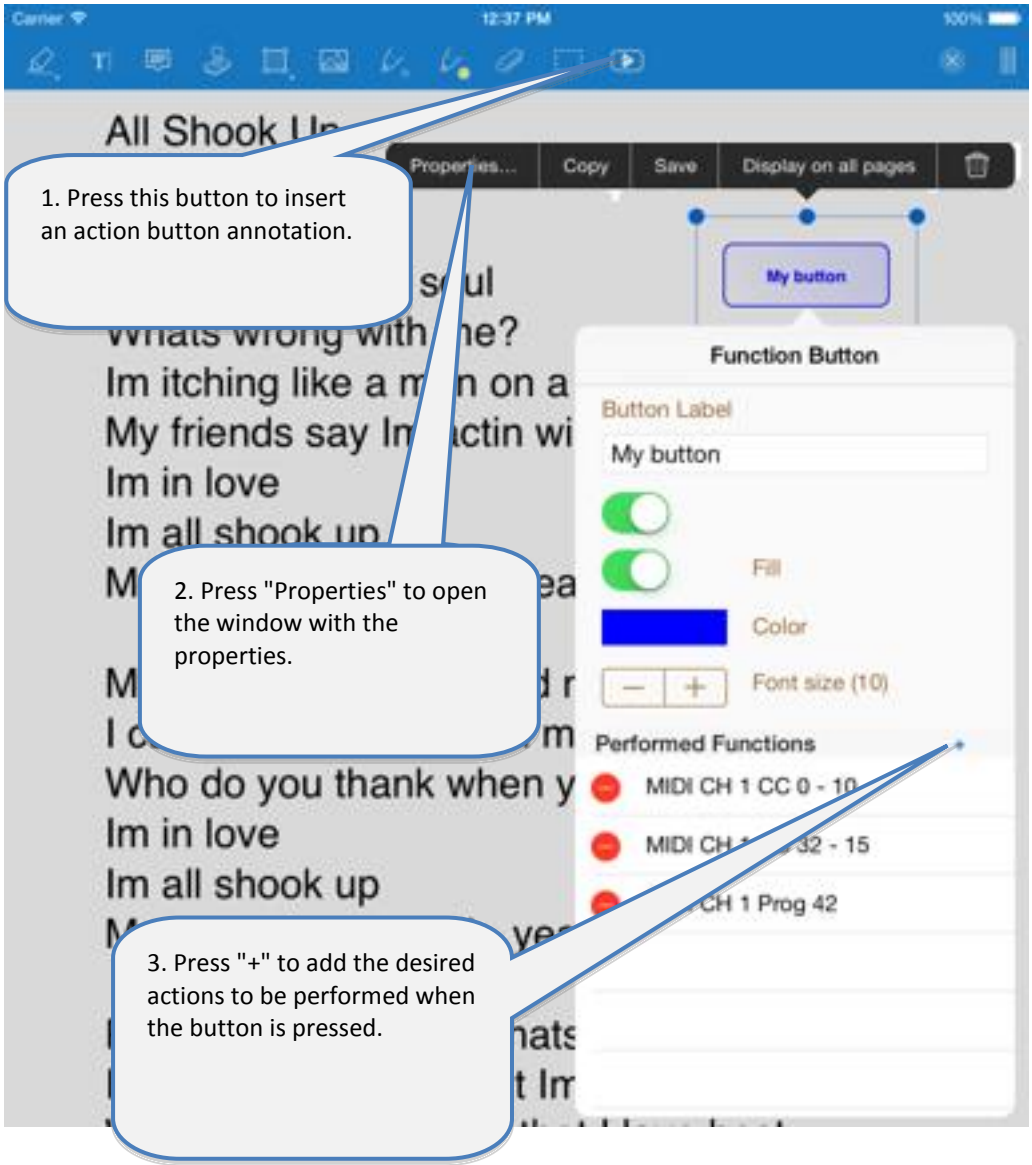


12.7 Action button annotations

Action button annotation is a very special annotation.

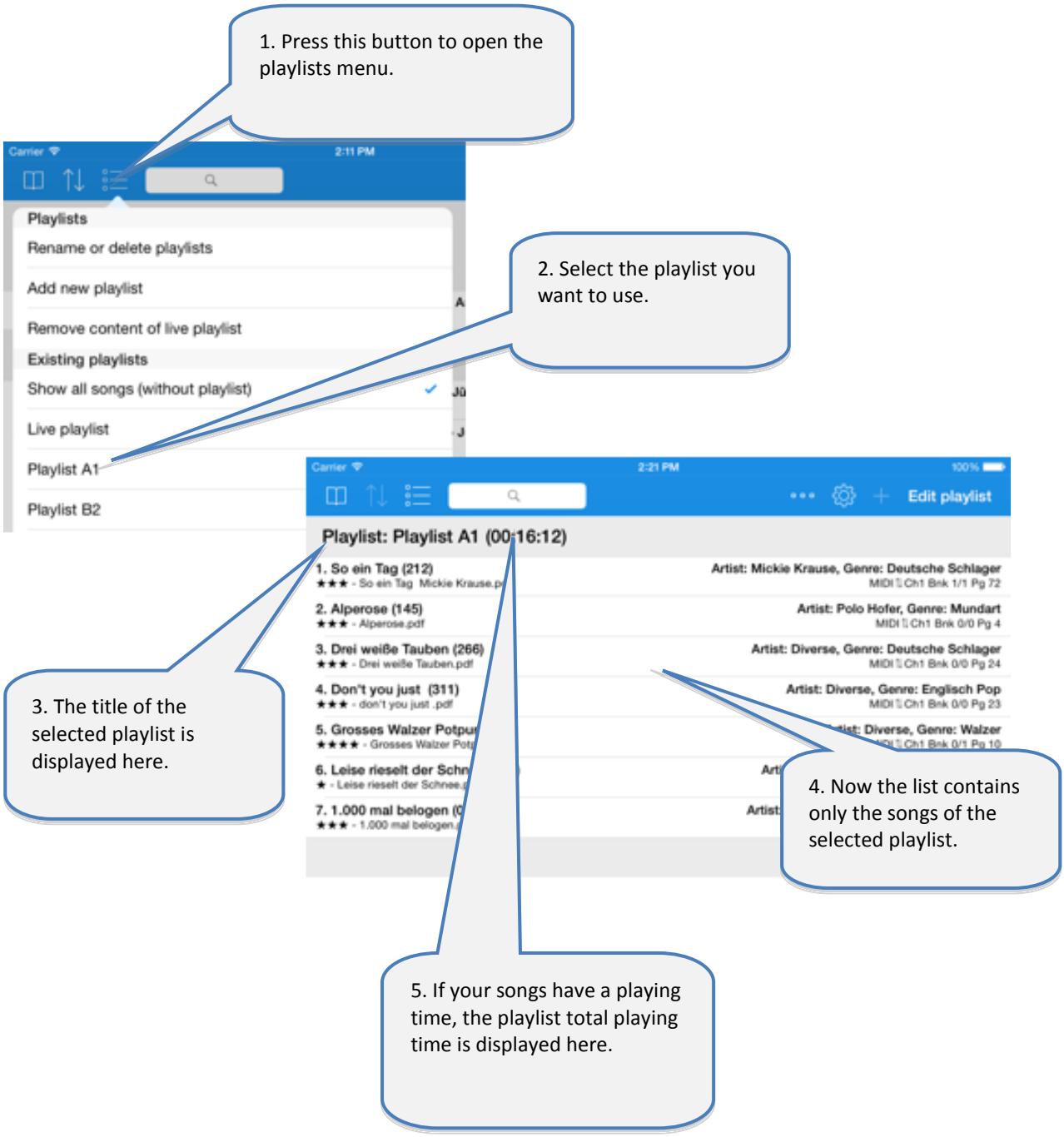
Using this feature you can insert a button anywhere in the document and configure different actions to be performed when it's tapped.

Available functions include sending of various MIDI commands, jumping to a different page, starting or stopping playback, scrolling or launching the metronome, etc.



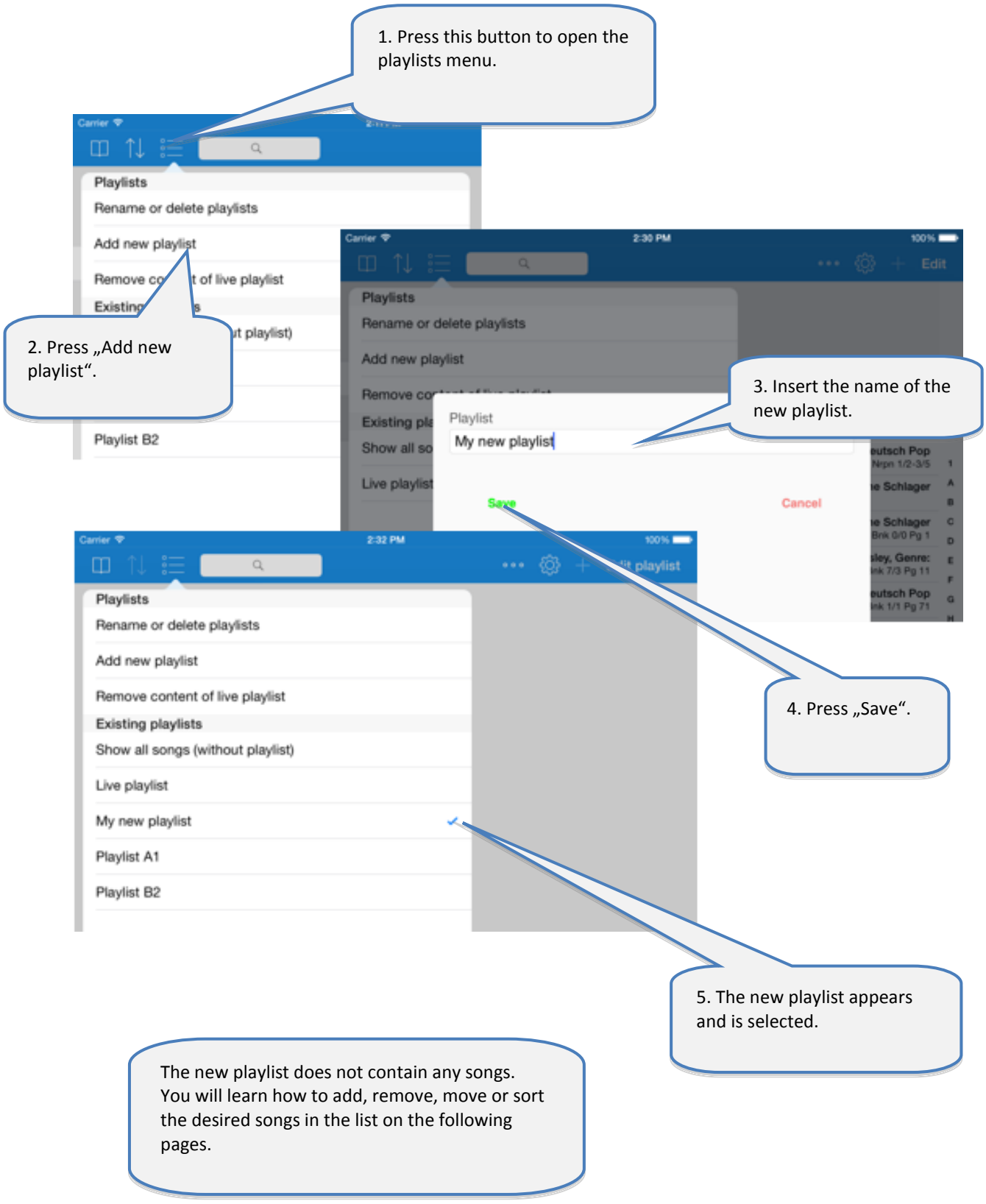
13 Use playlists

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!

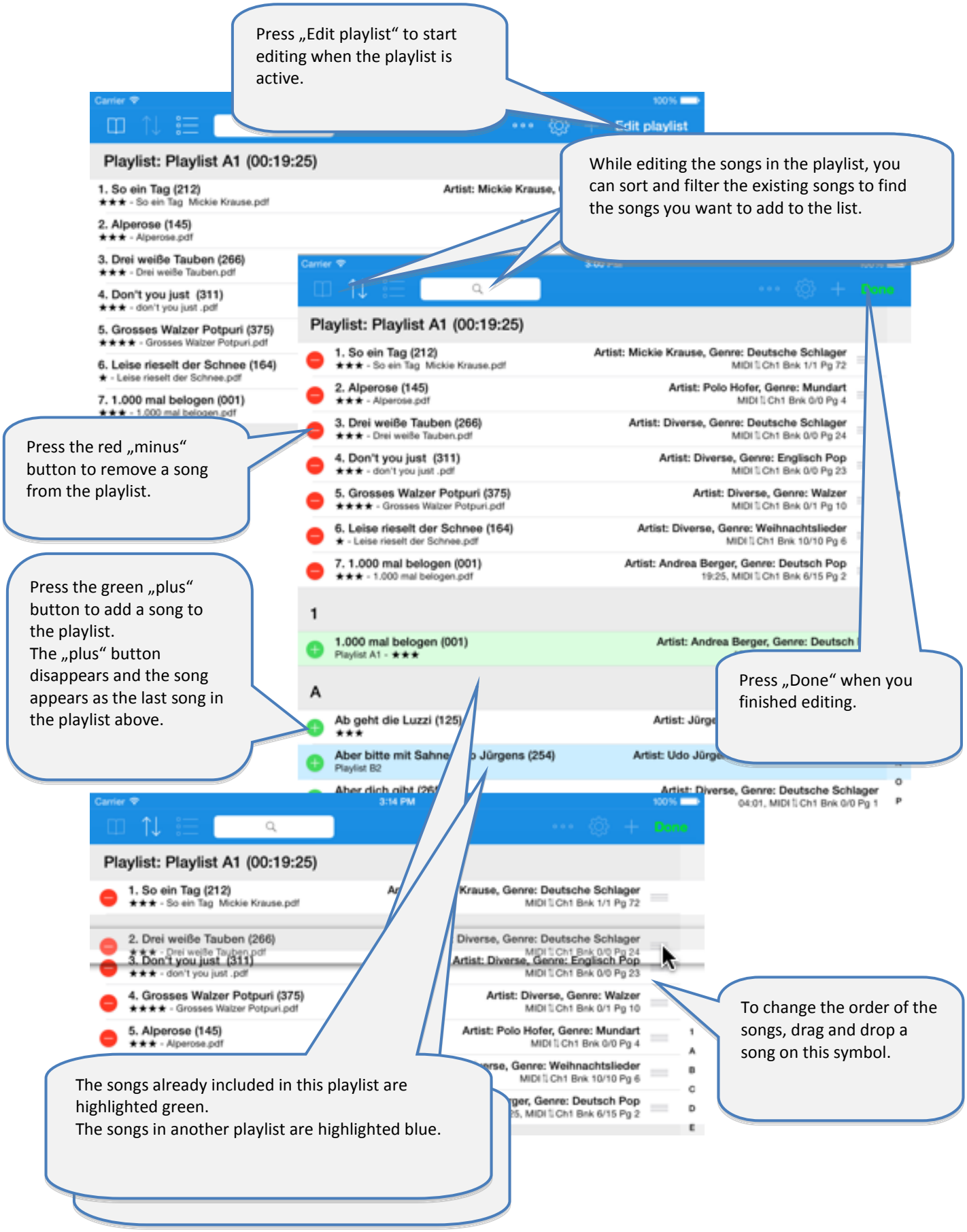
13.2 Add a new playlist



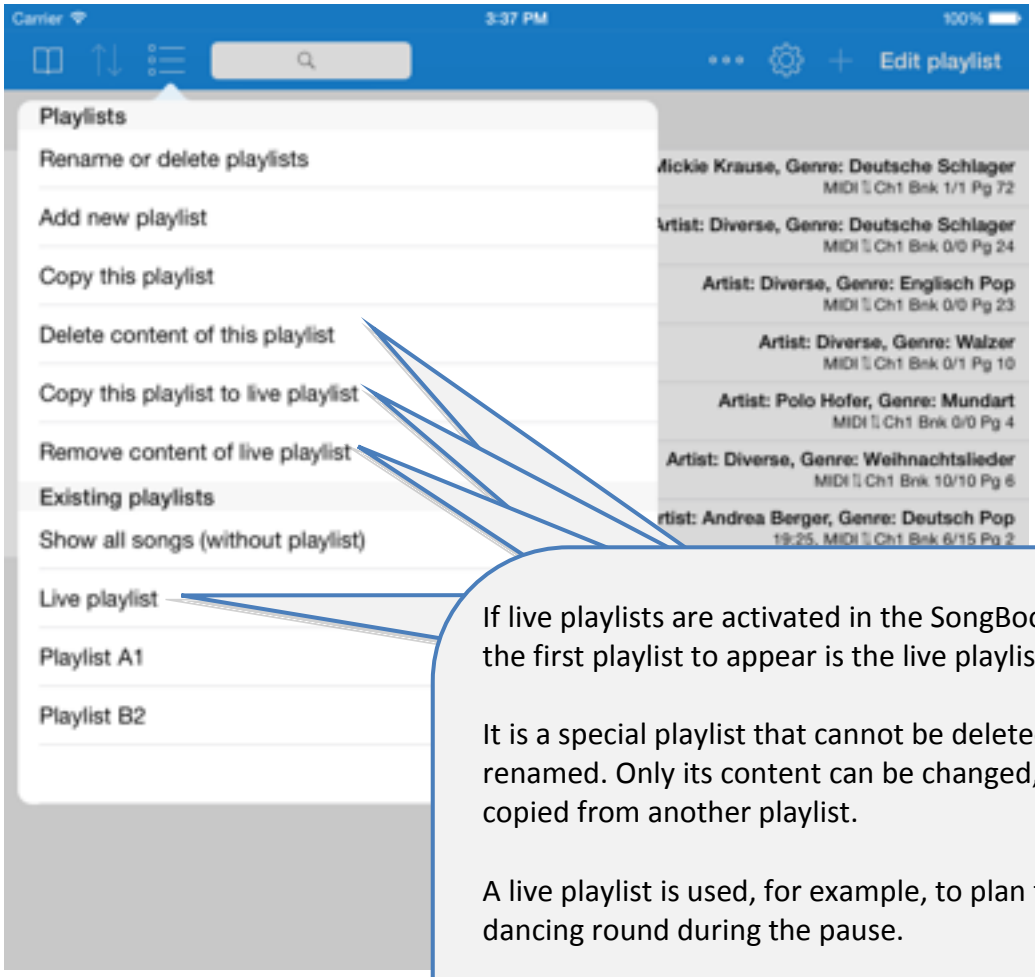
The new playlist does not contain any songs. You will learn how to add, remove, move or sort the desired songs in the list on the following pages.

13.3 Rename or delete playlists

13.4 Edit the content of the playlist



13.5 Live playlists



If live playlists are activated in the SongBook+ settings, the first playlist to appear is the live playlist.

It is a special playlist that cannot be deleted or renamed. Only its content can be changed, deleted or copied from another playlist.

A live playlist is used, for example, to plan the next dancing round during the pause.

If SongBook+ is configured for synchronous changeover of songs on multiple iPads, the live playlist can also be automatically synchronized to the other iPads in the same way.

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:

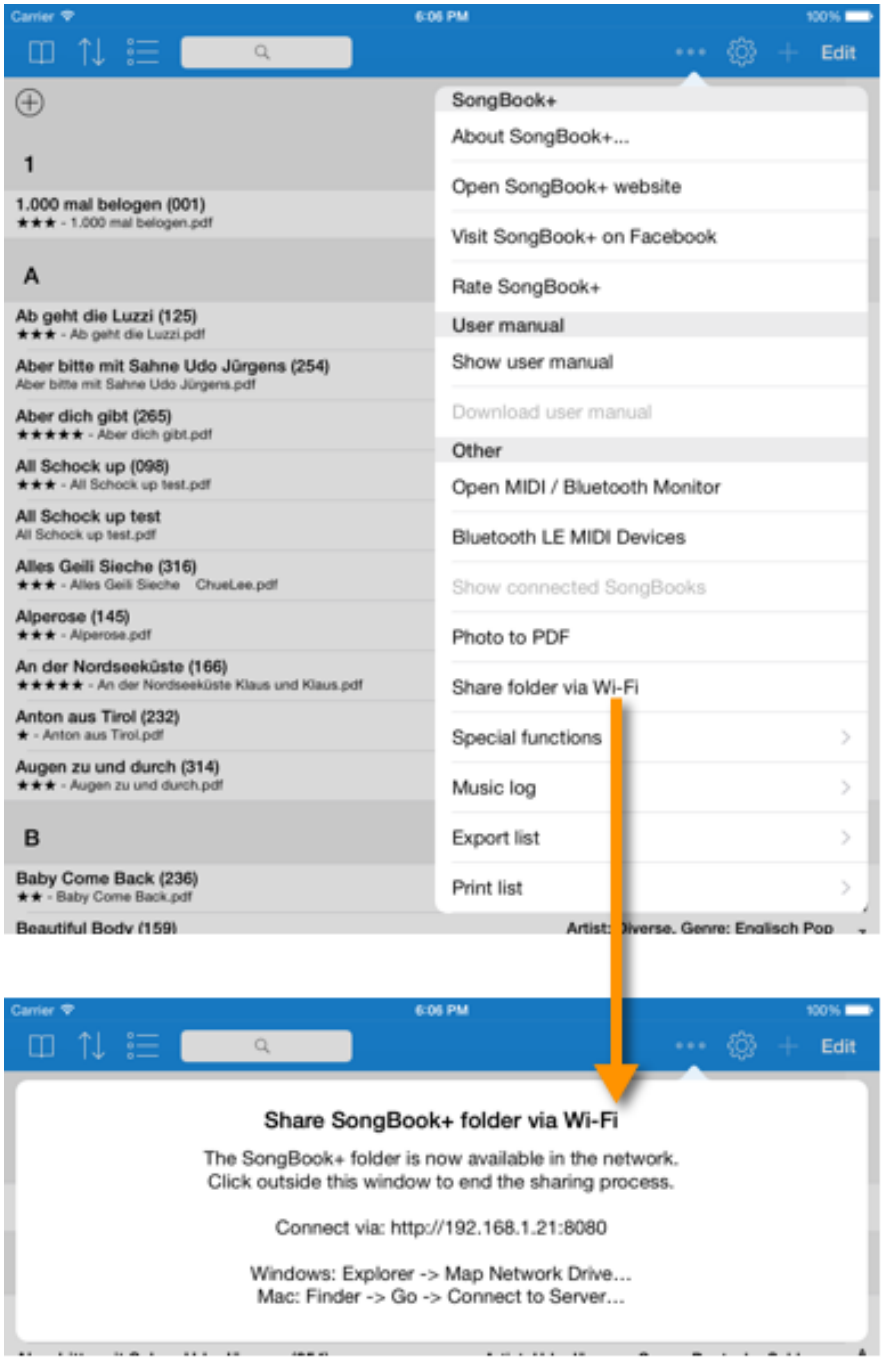
15 Share songs or files (export)

Using the "Share songs" feature, the whole song (.sbk) or single files as well (.pdf, .mp3, .mid, ...) can be:

- used as an attachment in an email
- transferred directly to another app (e.g., Dropbox, iBooks, ...)
- transferred to another Songbook in the range

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 Error! Reference source not ound..

17 Import lyrics and chords

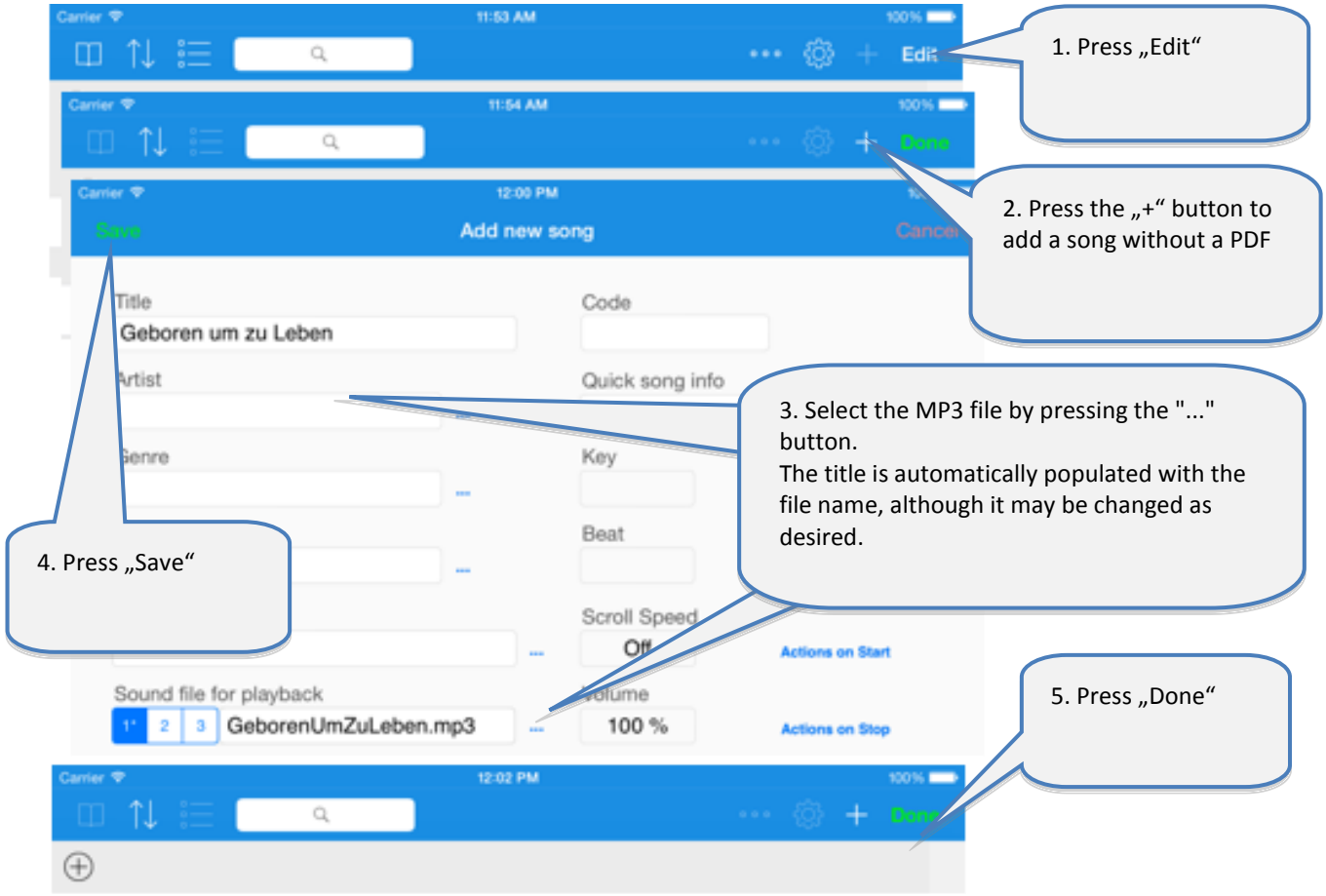
SongBook+ can import lyrics and chords from MP3 files, Midi files, LRC files and ChordPro files.

17.1 Import song lyrics and chords from MP3 files

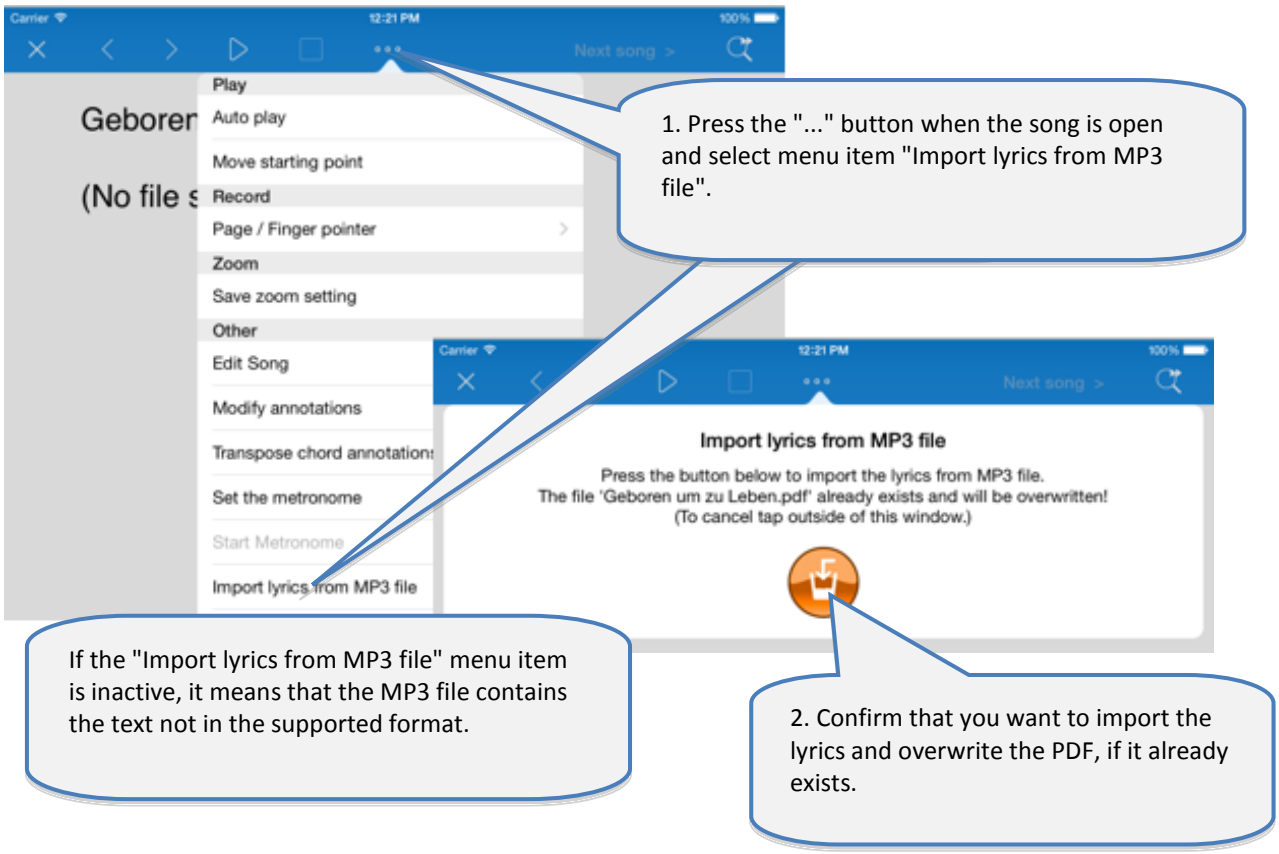
SongBook+ can import texts from MP3 files if they are included in the ID3 tag in the "Lyrics3 v2.00" format.
Chords can also be imported from MP3 files, if they are included in the lyrics in square brackets (similar to ChordPro format).

The import of lyrics from MP3 files is carried out in two steps:
First, it is necessary to create a song used by the MP3 file.
After that, you need to open the song and the import will start. The missing PDF file is then generated automatically.

17.1.1 Add a song without PDF and select MP3



17.1.2 Create PDF from lyrics in MP3



17.2 Import song lyrics and chords from MIDI files

The import of lyrics from MIDI files works just as described for MP3 files above.
The only difference is that there is an own box for the selection of each MIDI file
.

17.3 Import song lyrics and chords from LRC files

The import of lyrics from LRC files works in a similar way as described for MP3 files above. However, the LRC is not directly selected in the song. SongBook+ is rather searching for a file with the LRC extension which either has the same name as the lyrics or the assigned MP3 or MIDI file.

17.4 Import song lyrics and chords from ChordPro files

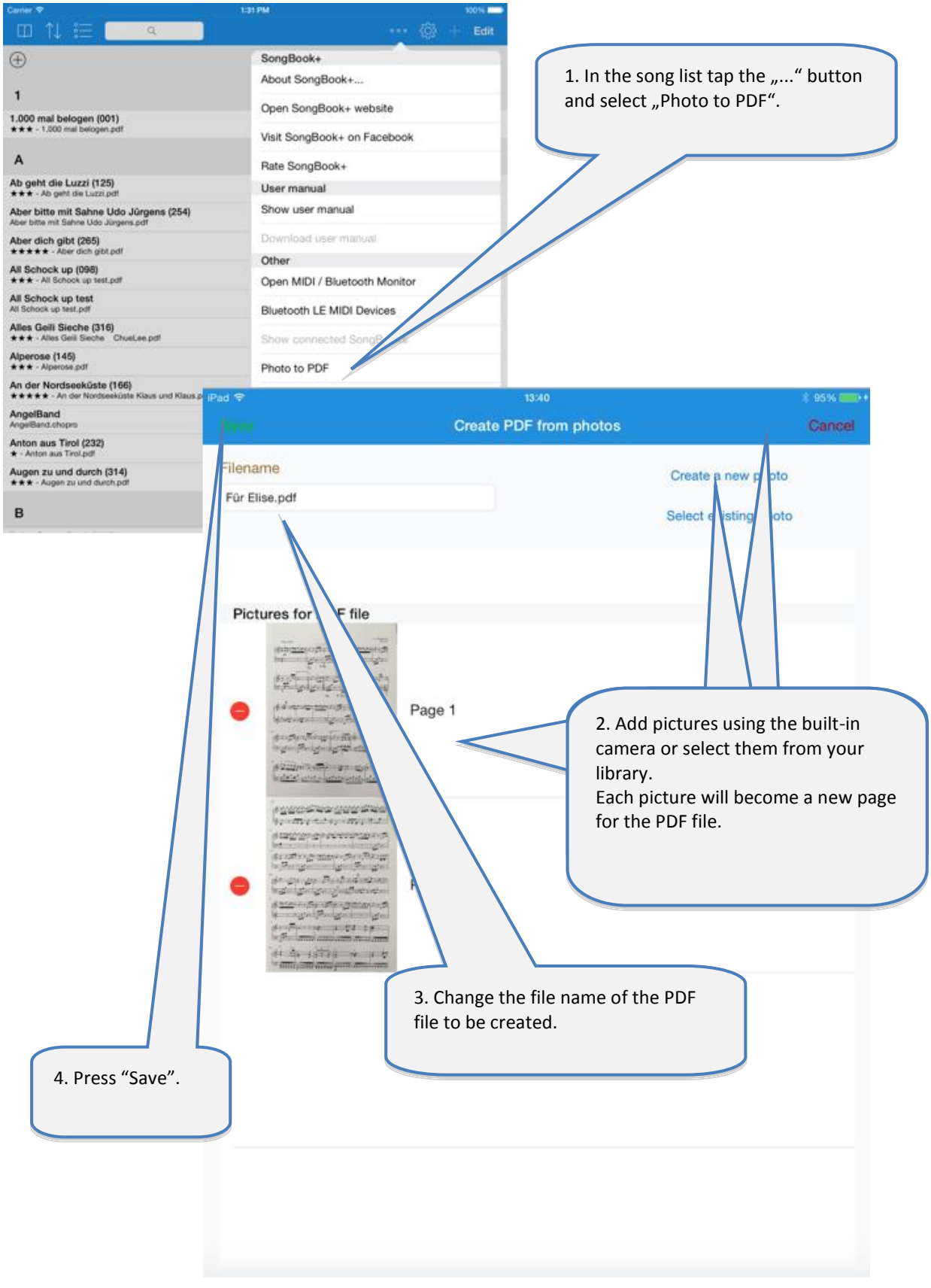
Firstly, ChordPro files are entered in SongBook as usual text files or PDF files. After opening, indicate the unformatted original content of ChordPro file.
Using the "Import ChordPro file" menu item, it can be imported similar to MP3 files. The PDF file is generated then.

18 Transpose chords

Chord symbols inserted using the annotation feature (see page 14) or imported from Midi/LRC/ChordPro (see page 29), can be transposed later.

Tip:
You can also subsequently change the appearance of chord notes (color, size, etc.). If you customize only one of the chord notes in a song, all other notes in the same song take over the same look.

19 Scan lyrics on paper with built-in camera



20 Use the MIDI features

20.1 Connecting iPad to MIDI

There are several ways to connect the iPad with MIDI.

20.1.1 MIDI adapter and devices with USB MIDI interface

Many MIDI adapters and some devices (keyboards, etc.) have a USB interface for MIDI. Since the iPad innately has no USB port, it an adapter to extend the iPad with a USB interface. Apple calls these adapters "iPad Camera Connection Kit".
Then, USB MIDI adapters and USB MIDI devices can be connected if they are compatible with Apple.

Attention: With the USB adapter connected, the iPad cannot be supplied with power at the same time!

If the MIDI adapter (or the USB MIDI device) itself has no power supply, it even consumes the power to operate from the battery of the iPad, which can result in a short battery life or even an unreliable MIDI connection.
To prevent this, it is additionally advisable to use an active USB hub with power supply.

20.1.2 MIDI adapter directly connected to the iPad

Some MIDI adapters can connect to the iPad directly.

Some examples of those are:

- iConnectMIDI2+ by iConnectivity
- iRig MIDI Version 1+2 by IK Multimedia
- ioDock by Alesis
- iStudio is202 by Behringer
- ...

Using these adapters, the iPad can be partially supplied with power in MIDI operation (all the above except iRig MIDI version 2).

Also, there is anumber of simple, small MIDI keyboards that can be connected directly to the iPad.

20.1.3 Wirelessly via Bluetooth or WLAN

In the meantime, there are even wireless MIDI adapters that use Radio communication like Bluetooth or WLAN to connect to the iPad.

Some examples of those are:

- mi.1 by QuiccoSound (Bluetooth)
- PUC wireless MIDI interface (WLAN)
- Yamaha Tyros 5 keyboard with WLAN stick

20.2 Playing back MIDI files

SongBook+ is able to play back normal MIDI files, but it does not have an integrated synthesizer to create sounds from.

In order to generate sounds from the MIDI files, an additional external hardware connected via MIDI (such as a keyboard or an expander) or a third-party synthesizer app is required, running in the background and receiving the signals from SongBook.

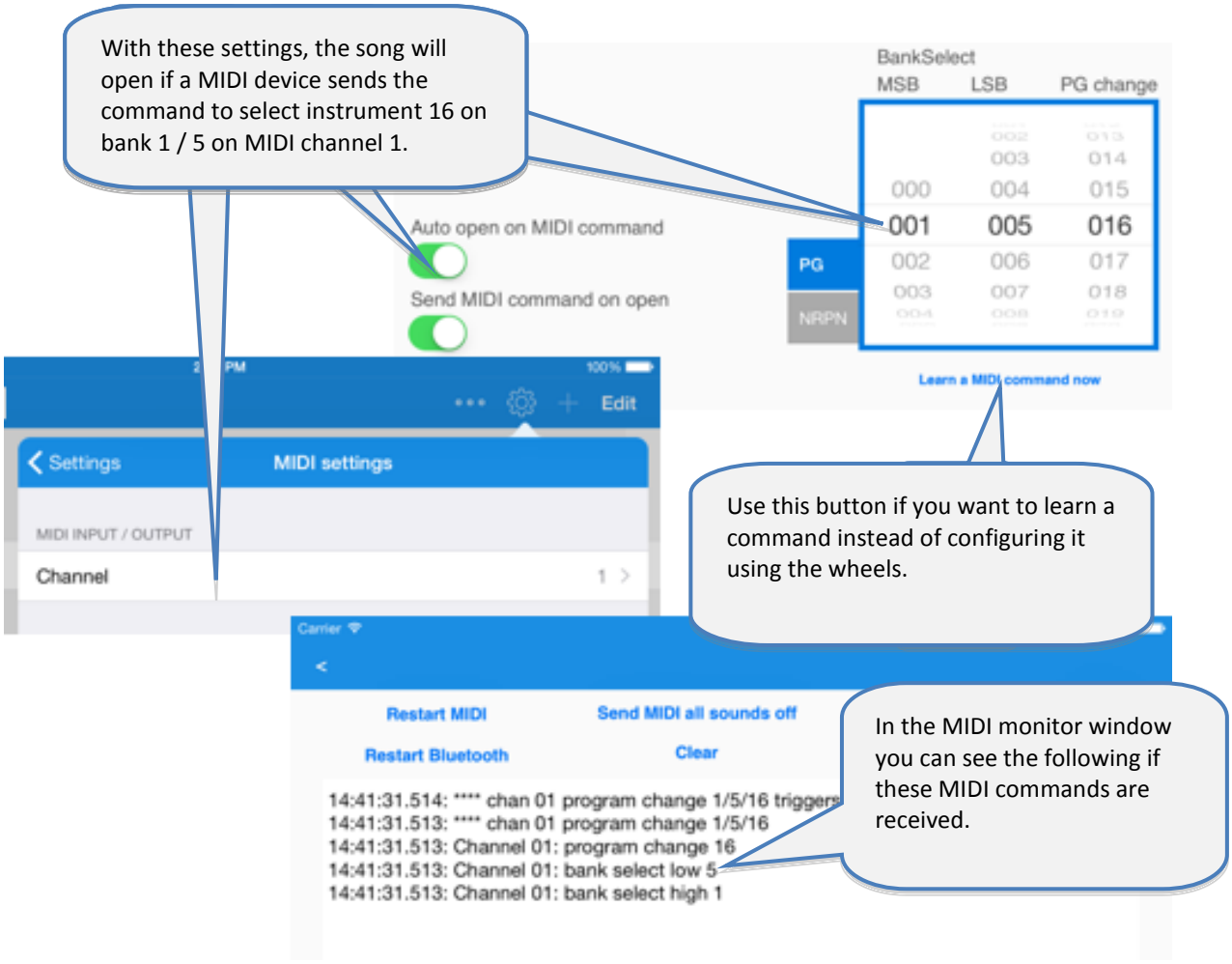
„bismark bs-16i “ is an app that can be used to generate sounds directly on the iPad. If this app is running in the background with „Virtual MIDI“ activated, you can listen to the music directly on the iPad, without any external hardware.

20.3 Open song text on incoming MIDI commands

SongBook+ kann auf der MIDI Schnittstelle auf *ProgramChange* Befehle hören und dann
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+.



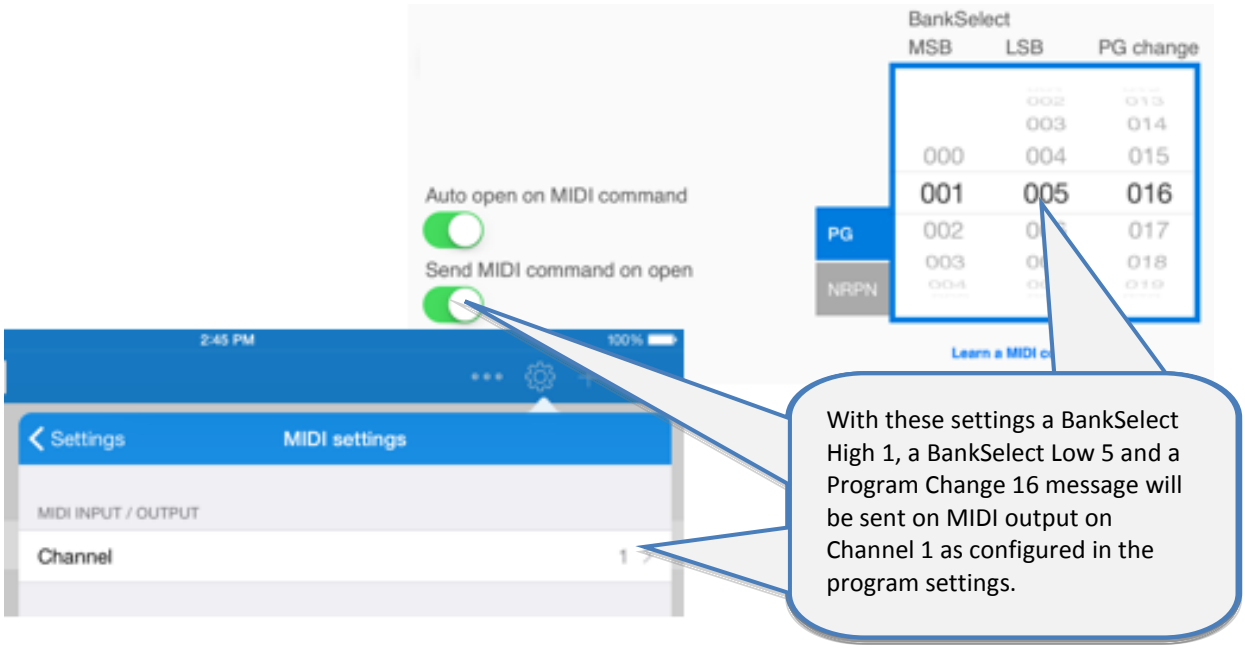
Please use the built-in MIDI monitor to find out what is actually received by the MIDI interface if it doesn’t work as expected.

20.4 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:

20.4.1 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.



20.4.2 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

20.4.3 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.

20.5 Send MIDI commands when the song is started

20.5.1 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.

20.5.2 Send MIDI Start when the song was started

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

20.5.3 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.

20.6 Send MIDI commands when the song is stopped

20.6.1 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.

20.6.2 Send MIDI Stop when the song was stopped

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

20.6.3 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.

20.7 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 **12.7.**

21 Using foot pedals

21.1 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

21.2 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 on Alesis io Dock 2: Alesis io Dock 2 alternately sends the value 0 or 127 on the controller 14 (first pedal) or 15 (second pedal) with the pedals. If a pedal should always perform the same action each time the pedal is pressed, you need to use two of the freely configurable ControlChanges per pedal in SongBook+, one that responds to the change to 0, and one that responds to the change to 127, and assign the same action to both.

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.

22 Connecting multiple iPads with SongBook+

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

If you want to use the simple "short-haul connection", select the "Server in short-haul connection" connection mode in "SongBook to SongBook connection" on one device and "Client in short-haul connection" on all the other ones.
Depending on availability, the operating system automatically chooses either Bluetooth or WLAN for connection.
If you want to force a more reliable WLAN connection, you can turn Bluetooth off completely in the general settings of the iPad.

If you want to establish a MIDI connection (wireless or wired MIDI), select option "MIDI connection" as the connection mode in "SongBook to SongBook connection" on all devices. For wireless MIDI, you additionally need to configure one MIDI device as a wireless MIDI Server and the other one as a wireless MIDI client in the settings.

After this has been done, the following actions can be synchronized between SongBooks:

- Selecting a song
- Preselecting a song
- Scrolling:
- Start button
- Stop button
- Live playlist

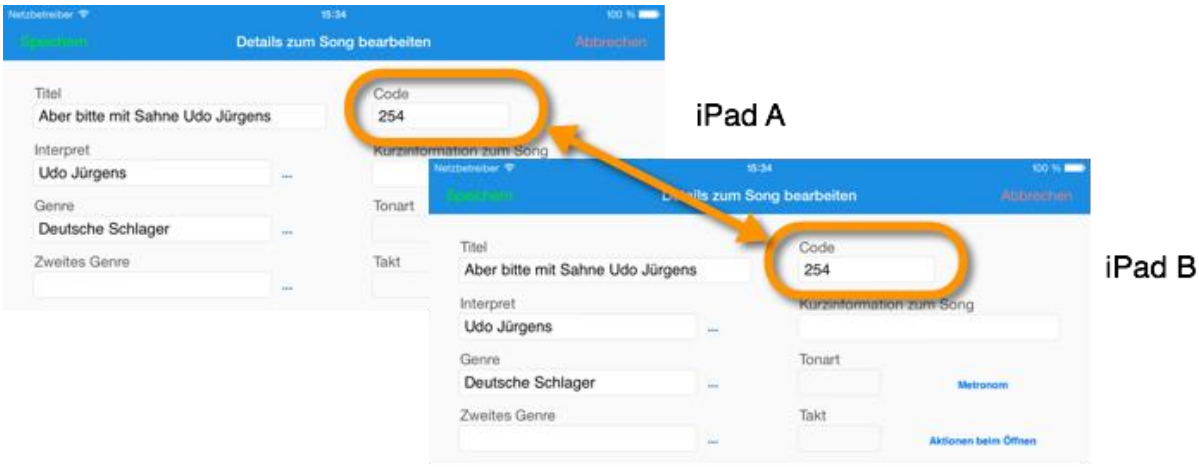
If you want to build multiple SongBook groups using short-haul connection or protect yourself against connections from external SongBooks, you can set a common connection key.

The devices connect automatically when you start SongBook+ if the feature is activated in the settings.

There are 2 methods to link the two associated songs on the various iPads via the code or the MIDI information of the song.
Select the sync method to be used in the settings of „SongBook to SongBook connection“ as „Key field for synchronization “.

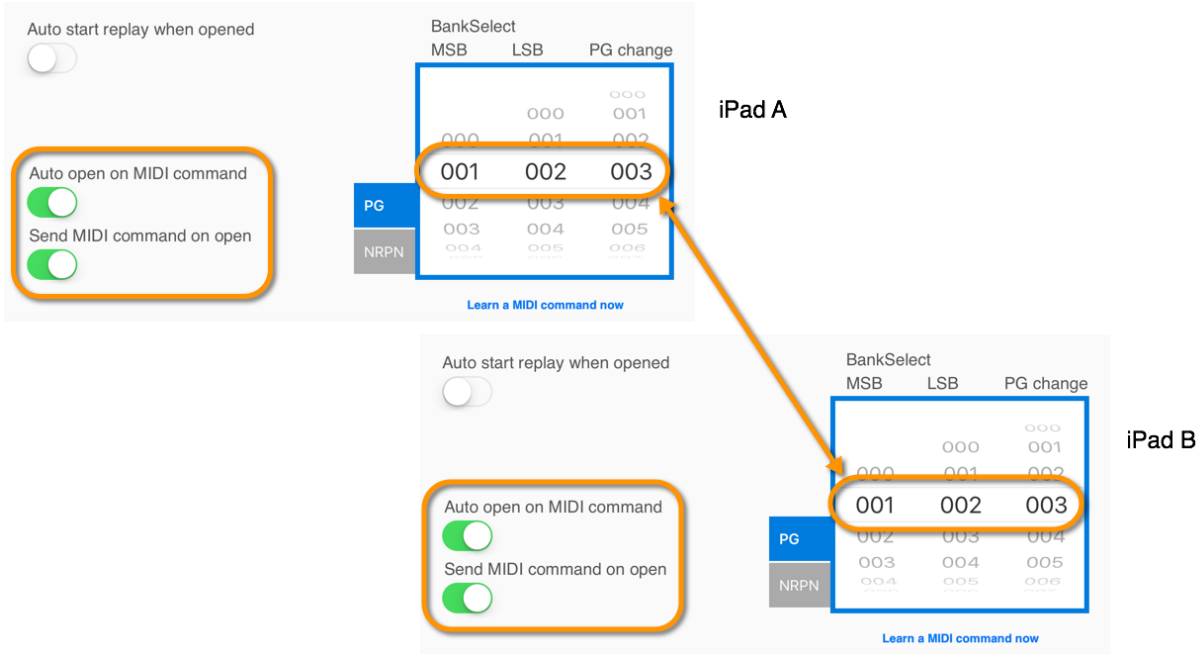
22.1 Synchronizing via code

From SongBook+ version 2.1, there is a new method available to provide an easier option to synchronously open songs on multiple devices. The content of the song's box „Code“ is sent to the other iPads and a song with the same code is searched there.



22.2 Synchronizing via MIDI information

If you already use SongBook+ as remote control via MIDI with a keyboard or another external device, you can use the same MIDI settings to sync with other iPads. The 3 digits from the MIDI settings are sent to the other iPads and a song with the same 3 digits is searched there.

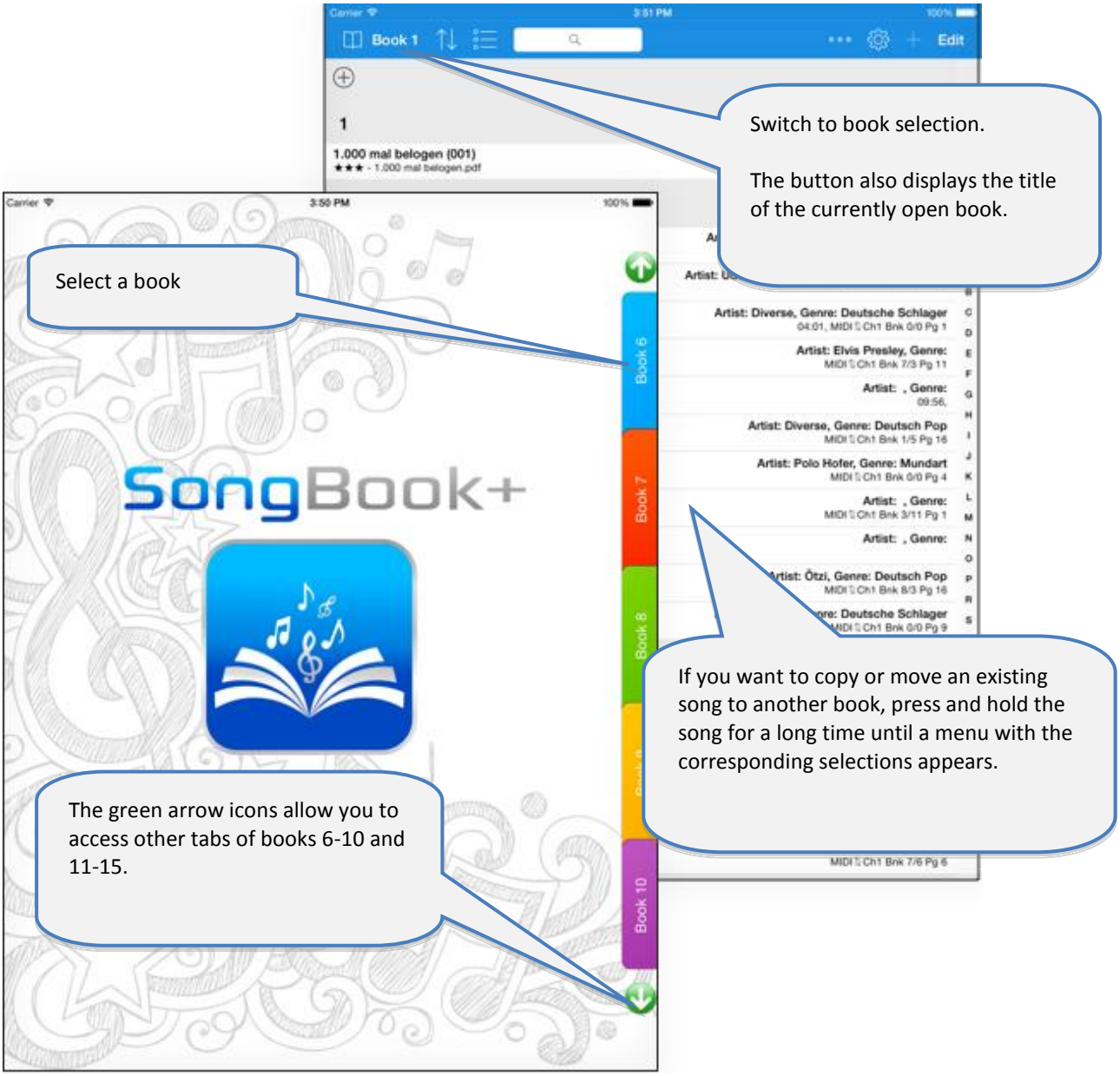


23 Use of multiple books

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.

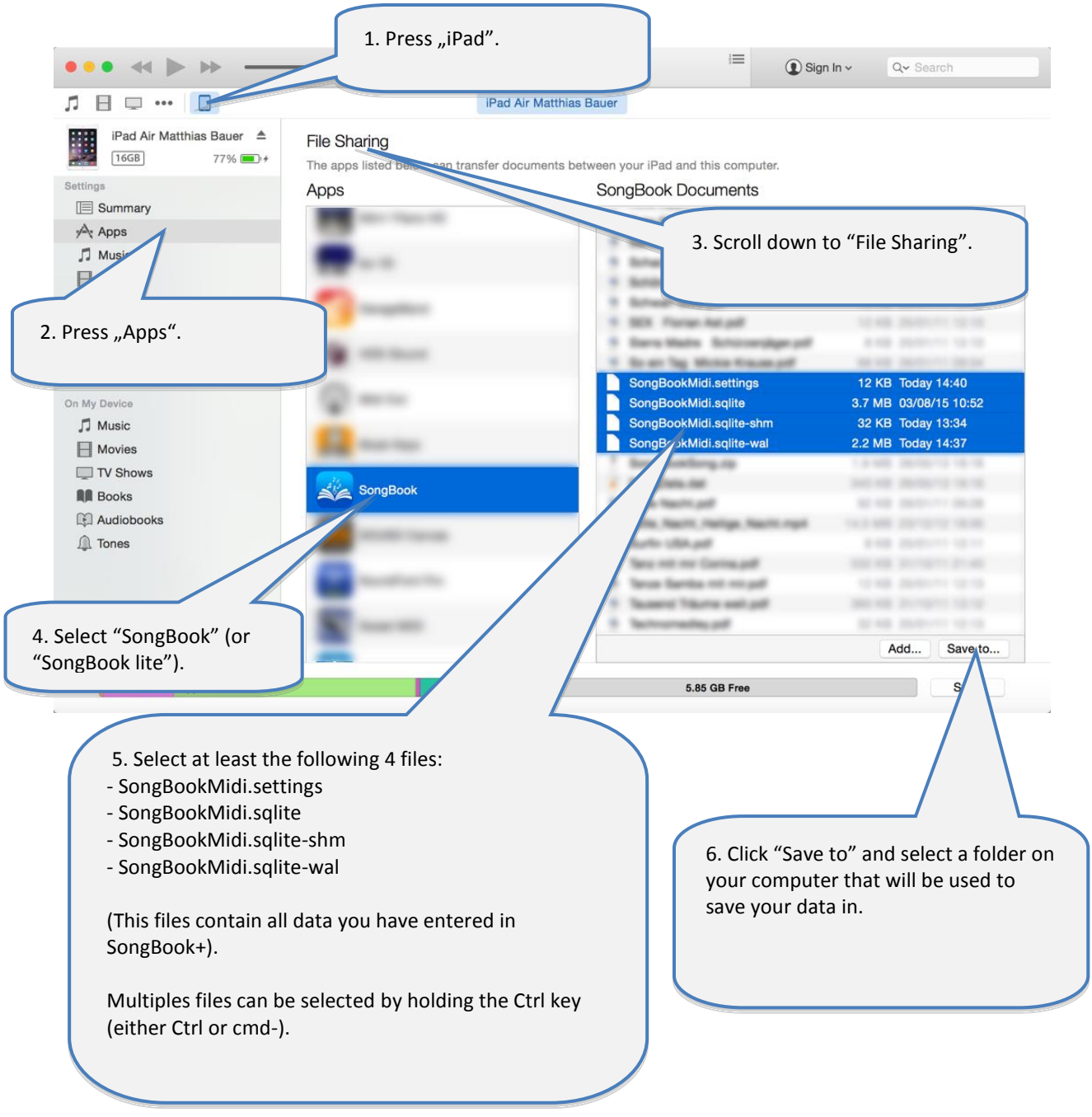
24 Backup and restore your data

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+.

24.1 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:



24.2 Restore your data from Backup

- **First, quit SongBook+ as described in chapter 25!**
  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 described in chapter Error! Reference source not found. and copy he following files back to SongBook+.
  - SongBookMidi.settings
  - SongBookMidi.sqlite
  - SongBookMidi.sqlite-shm
  - SongBookMidi.sqlite-wal
  - and, if necessary, your PDFs and MP3s

- Note:
  The folder „Inbox“ cannot and must not be copied back!
  It doesn’t contain any required data.

25 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.

26 Supported file formats

26.1 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.

26.2 Music files

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

26.3 Midi files

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

26.4 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)

26.5 ChordPro files

ChortPro files with the .chopro extension can be imported to display texts and chords.

26.6 LRC files

LRC files with the .lrc extension can be imported to display texts and chords.

26.7 MP3 files with embedded text

SongBook+ can import texts from MP3 files if they are included in the ID3 tag in the "Lyrics3 v2.00" format.

27 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/

In-app settings:

The settings integrated in the app were implemented using "InAppSettingsKit". Many thanks to Luc Vandal and Ortwin Gentz for development and publication.

Further details can be found here:
http://www.inappsettingskit.com

28 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.