Midi Loop Station
User Guide

Build up the sound to amaze your audience
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APPLICATION OVERVIEW

The Midi Loop Station has been designed with the performing musician in mind. Easily specify loop boundaries in a midi file and supplement each loop with 16 tracks of your own. All of which can be remote controlled by a midi controller via coremidi. With great sound, audio track recording, and custom song/loop mix, the Midi Loop Station provides the right tools for the solo performer or backing tracks for your band. All changes to songs are automatically saved. Starting from scratch, gradually build up the sound by playing and adding instruments to amaze your audience.

Features Include:
- Up to 10 loops per midi file
- 16 Audio Tracks per loop (44.1K wav)
- Change tempo, key, mix
- All changes are saved
- Dynamic control of tracks
- Access to 100’s of midi files
- Universal App (iPhone, iPad, iTouch)
- Playlist support

Screen Design / Layout

The app has been designed with a simple menu slider interface (similar to the Facebook app). The main menu is always accessible and can be viewed by tapping the main menu button. There are 4 categories of functions:

- SONGS
- LOOPS
- PLAYLISTS
- CONFIGURATION

The SONG category provides menus for listing the songs on your device as well as locating popular midi files by genre from the internet.

The LOOPS category provides for creating loops, mixing the sound for each loop as well as specifying...
the layout for each loop in the PERFORM screen. Also, its possible to record up to 16 audio tracks for each loop or specify a .wav file that has been prepared for a loop.

The PLAYLISTS category provides functions to create new playlists and edit the songs they contain.

The CONFIGURATION category allows you to specify global sound parameters that apply to all midi files/loops. There is an In-App purchase option to purchase an enhanced sound engine. Incoming/Outgoing midi parameters to configure your midi sound modules or controllers, and utilities for removing unwanted audio files.

PERFORMING

The PERFORM SCREEN

The PERFORM screen is composed of three regions. The top region contains the audio tracks that you record. These loops can be vocal or instrumental depending on your audio-in signal. The lower region contains the loops that you’ve defined for the song. The middle region contains the midi tracks for the selected loop. NOTE: When creating a loop, you specify a mix for that loop. If you set the volume for a given midi track to 0, it will not display in this view. It is also possible to arrange the tracks in any order you prefer that will help your performance.

Recording and Playing Loops

Tapping a loop will start it playing. Tapping another loop (flashing yellow) will queue it for play when the current loop finishes. Tapping a midi track will toggle mute/unmute. Tapping an audio track (turn red) will toggle record on/off. Tapping an audio track while another is already recording will stop the record and start a new recording.

Down-swiping an audio track will remove any recorded audio. Down-swiping a midi track will send a program change to external midi module/synth. Also, the track’s midi notes will not play – you can play the internal sound engine patch for
this track by connecting a midi controller keyboard. Down-swiping a loop (flash blue) will end the song when the loop finishes.

Note: While recording, when the loop reaches the start, the recording will flush and start anew. If you want to keep what you’ve just recorded, tap the track (or another audio track) to stop recording.

One strategy that can be used: Start with a click track, then gradually add the drums, bass, keys, etc. to build up the sound. Using down-swipe, you can play the internal instrument (with a midi controller), then un-mute the actual midi for that track gradually layering more sound. At any time, recording your own audio as well.

**SONGS**

**My Songs**

This menu provides access to all the songs on your device. Tapping a song will start it immediately. To remove a song from your device, swipe the row and the delete button will appear.

**Recently Played**

The app retains the last 20 songs in this list sorted most recent first.

**Internet Locator**

This screen connects to the internet to search for midi files. Using the Locator Service, you can search through many musical genres and look for familiar artists.
Import from iTunes

Midi Loop Station supports iTunes file sharing which makes it possible to import your midi files. Start iTunes on your mac or pc and locate the app file sharing. Drag and drop files to this window. Then from your device, invoke the 'Import from iTunes' button and they will be copied to your 'My Songs' list. Also, it's possible to import .zip files (which do not have a nested directory structure).

Song Edit

Tempo changes occur immediately while the song is playing. Tapping the main menu button will persist the change to the file.

Key changes are in semitone increments and occur immediately while the song is playing. Tapping the main menu button will persist the change to the file.

EQ changes occur immediately and are persisted when the main menu button is pressed. Any change to a song's EQ will override the global EQ set in the Global Sound Parameters page.

LOOPS

Define Loop

Loops are defined by tapping down and dragging to create a region in the song. Use the arrow keys to finesse the loop start/stop bar boundaries. Once you are comfortable with the correct start and stop bar, create the loop by tapping the CREATE button and name the loop. It may be useful to use names like Intro, Verse, Chorus, Bridge, Vamp, etc. so that you can easily recognize them while performing.
Mix Loop

Once a loop is created, a mix can be created for that loop. Note: If you drag a track slider down to 0, it will not appear on the PERFORM screen for this loop. This is useful to remove unwanted tracks from the view.

Midi Tracks

The midi tracks can be arranged in a way that you want to perform. For example, you may want to start with drums, then bass, then keys and have them appear on the PERFORM screen from left to right. Double tapping a track will launch the track edit screen where you can specify the reverb/chorus as well as change the instrument for a track.

Wave Tracks

Wave tracks are tracks you record that will be available when a song is loaded. Also, its possible to import a .WAV file and specify its start point. Note, there is currently no tempo adjustment so its necessary to make the .WAV file match the tempo of the song. For example, you may want to create a .WAV file as the drum beat – it must match the tempo of the song.
PLAYLISTS

Create / Play

Playlists can be created to include a group of songs for performing. Tapping the PERFORM button will launch the first song in the playlist. When a song ends, the loops for the next song will be loaded. Note: down-swiping a loop will end the song when the loop finishes.

CONFIGURATION

Global Sound Parameters

Use this screen to adjust the overall reverb and EQ for all songs.

In App Purchase

This screen is used for in-app purchase. Currently the Premium Sound module.
Outgoing Midi (To Sound Module)

This is useful if you are connecting external sound modules. For each GM instrument, you can assign a LSB/MSB pair which will result in a program change message when a track is down-swiped.

Incoming Midi (From Controller)

If you are using a midi controller (pedal or keyboard) you can specify which commands from the controller will invoke various actions while performing. For example, its possible to specify how loops will stop/start, how to punch in/out record, and specifying mute on/off for midi tracks.

Utilities

Using this screen you can remove unwanted recordings or email the developer new feature ideas or bug reports.