

studio.HD Overview

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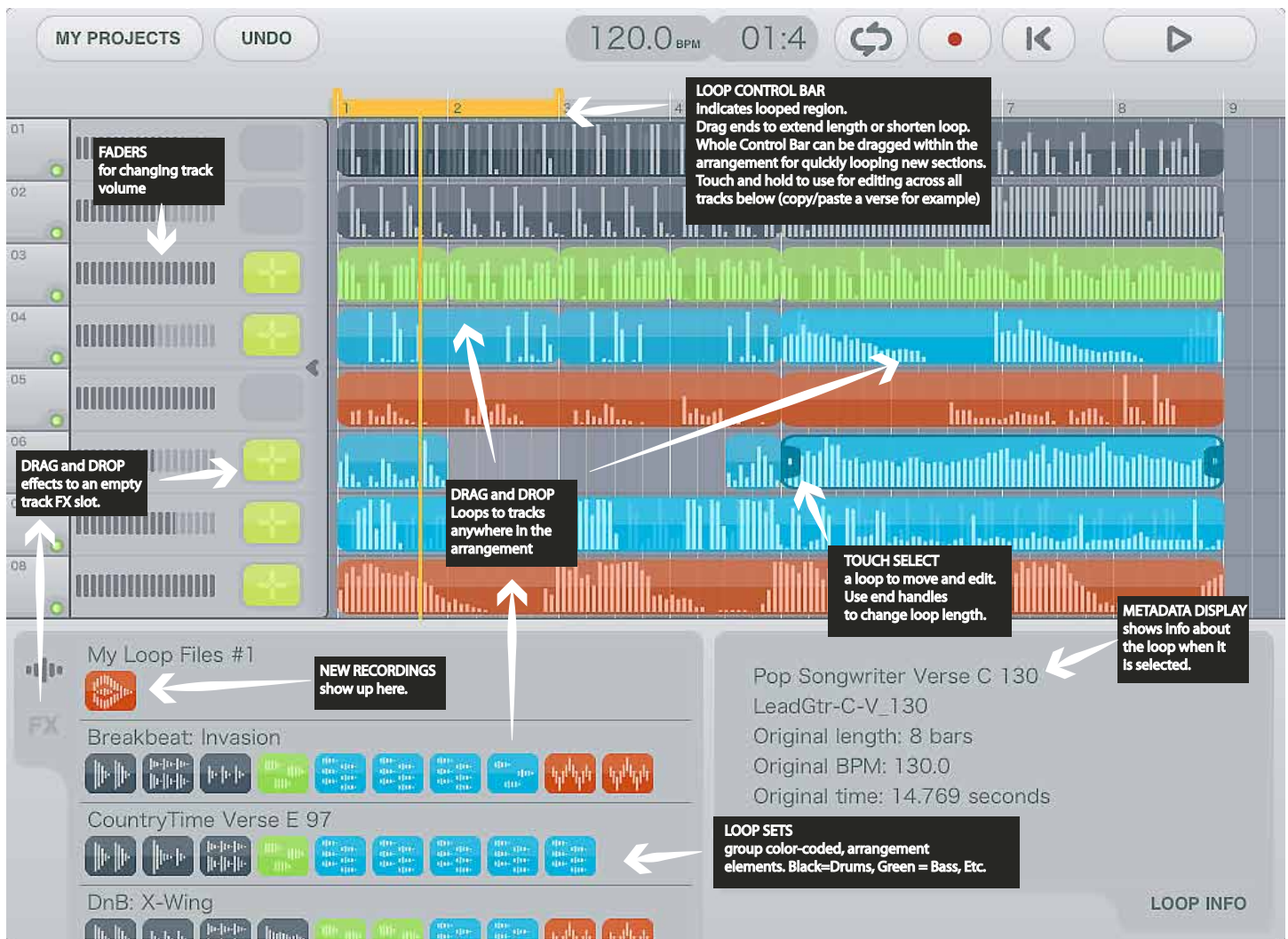
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THE ARRANGE WINDOW

Here is a capture of the main Arrange window of studio.HD with some labels of the features.



BPM and TEMPO

studio.HD will automatically conform all audio in a project to whatever tempo is selected. To change your Project tempo/BPM simply touch the tempo field and a keyboard will come up for you to enter the new tempo.

REGION SELECTION AND EDITING

In studio.HD you can select any audio region or loop in the Arrange window by a single touch. You will then see a dark frame around the region. By dragging the handles in the front or back of the region you can loop it forward or back to make the loop play longer. Also by touching a second time, you will get a pop-up to let you Cut or Copy the region elsewhere to a new track or bar/beat location in the Project.

You can also touch the yellow Loop Control Bar to Cut/Copy all the content on all the tracks within the region the bar is selecting and paste it elsewhere in your Project. This is a great way to copy a whole verse or chorus section to other places in a composition.



AUDIO BROWSING - PROJECT RECORDINGS, “MY LOOPS” LIBRARIES and LOOP SETS

In the lower left hand side of the screen you can see a browser pane with an Audio tab (the waveform) and an FX tab. Selecting the Audio tab you see these three different types of audio groups:



- “MY PROJECT” RECORDINGS

These are all the audio files being used in the Project you have open. You ONLY see the files for the currently viewed project, so this list will change based on whatever Project you are viewing. Note that if you name/rename your project, then that the name change is reflected in the browser group heading (it changes from “MY PROJECT RECORDINGS” to “JOE’S SONG RECORDINGS” for example).

The files listed here come from either recording a file as part of the project or by pasting audio in from another application. You might see multiple rows of 10, but they are all part of the Project currently being viewed.

- MY LOOPS

This is an area where you can save any of the files in the My Project Recordings list so that the file can be used later and across any of your projects. It can also be seen as multiple rows of 10 files. For example, you might have a great drum loop you did but it really isn’t working with this song. Simply select the loop in the arrangement or the MY PROJECT RECORDINGS list and hit the “+” you see in the metadata viewer in the lower right hand side of the screen to add that audio to the MY LOOPS library. Now you can use it in any Project!

- LOOP SETS

These is a list of all the commercial Loop Sets that you download from the Sound Trends in-app Loop Store as well as all the custom Loop Sets you added using the SetMaker tool (please visit the Sound Trends website for more data on that).

The different colors of the files in the Loops Sets represent the different parts the instruments play in an arrangement. Black/Dark Gray is drums and percussion. Bass is Green, Blue are Instrument parts like keys, guitars, etc. that do chords, arpeggios and leads while Red is for Vocals and Effects.

PREVIEWING LOOPS AND VIEWING METADATA (BPM, etc.)

When you touch and hold one of the icons for files in the audio browser, you can hear the file playback at the BPM of the current project. Also if your current Project is playing, it will play along with it for real time previewing.

To see the metadata for the file, look at the little “Loop Info” box to the lower right of the screen. Note that this ALSO shows you what studio.HD assumes is the original BPM of the file.

RECORDING, PLAYING and MUTING TRACKS

On the left side of the screen next to the track number (1-8) , there is a light that will be red or green. When the light shows red, that track is “armed” for recording. Then, if you hit the Record button (the one with the red dot up near the other transport controls in the upper right side of the screen), that track will record whatever is coming into the device's audio input. In addition, you will be able to hear (monitor) the input through the device's output. Please use headphones if you are using a microphone to avoid any feedback of speakers playing back into the device's input.

To change the state of the track from Record (red) to Play (green), quickly touch twice the light gray square area that the track number is located in.

To Mute a track so that it is not heard in the mix, touch the gray square area around the track number once. Note that you can have a track both armed for record and muted so that when you hit the Record button it starts recording. Occasionally users can have problems while recording if the settings are not correct on the tracks. For example, if a track keeps recording audio when the intent is to only record volume and effects automation or only playback audio then the track is armed for recording. You must change the track to play mode (see “How can I change a track from Record to Play, or Mute it?” above). Automation is recorded when the Record button is pressed and no tracks are armed for recording audio.



RECORDING AUDIO

studio.HD lets you record on any of the 8 tracks, one track at a time. In addition, you can layer multiple recordings on a single track. To do this, simply arm the track for recording and hit the Record button in the transport controls. You can record in loop mode or in linear mode. Your recordings will then show-up as files in the My Project Recordings area (see “AUDIO BROWSING...” elsewhere in this document for more information). When you start recording audio, the Metronome will appear attached to the Record button. Touch the Metronome and you will alternatively turn the click on and off. Recording will start after a one (1) bar count-off.

Currently studio.HD records into the device memory (RAM) which gives the fastest response for processing on the fly, etc. As a result, the memory size of the device will constrain the total time available for recordings. To work with this, we suggest using the time-honored technique of recording music in sections (like verse, chorus, etc.). Current recording time in studio.HD is approximately 3 minutes.

DELETING FILES

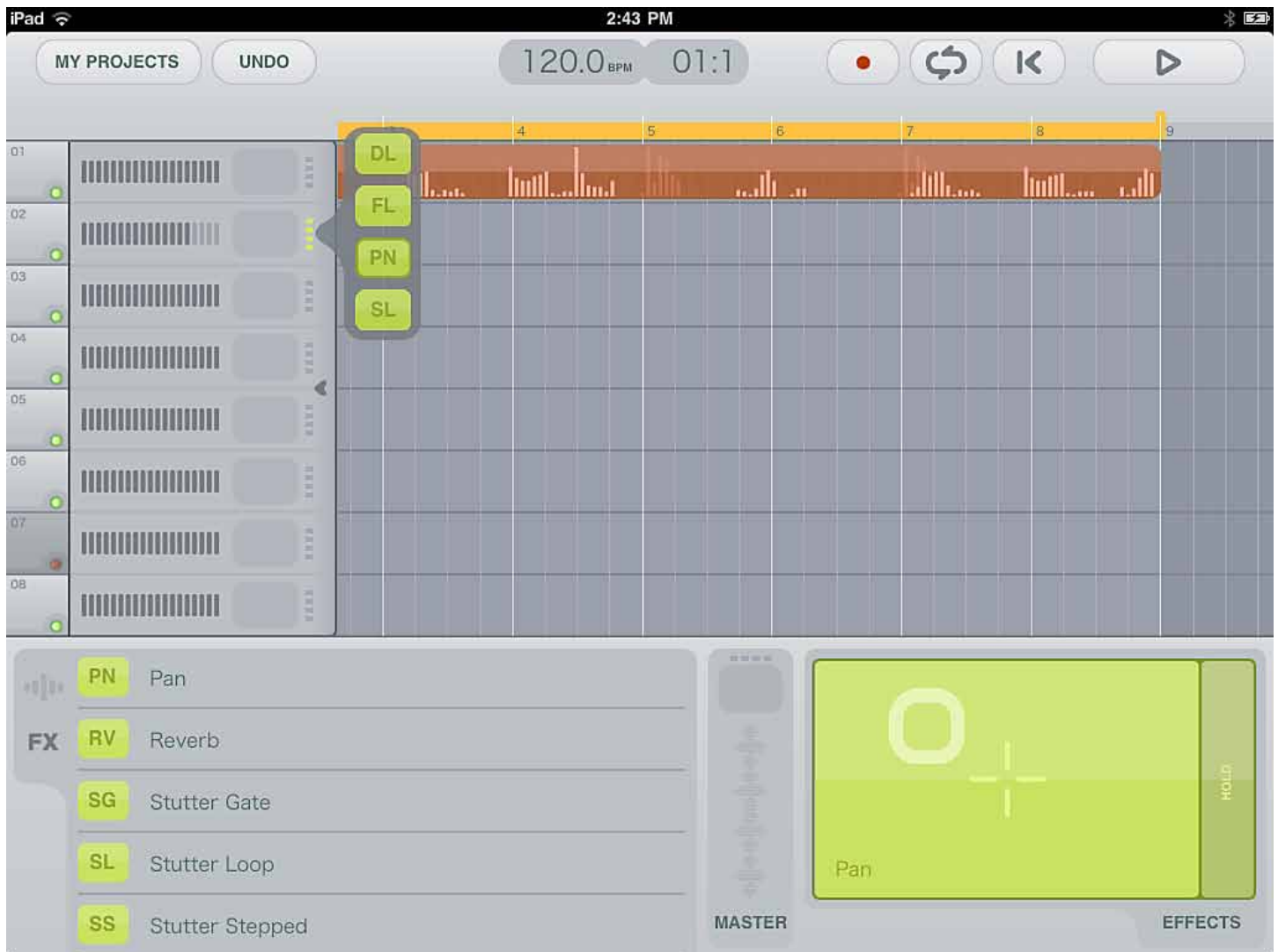
In the arrangement window you can Delete a file from your project by dragging the file off the timeline. This will delete the file from your project. IF you accidentally delete the file, hit the UNDO button and it will bring it back. There are 10 levels on UNDO in studio.HD. However, the file will be permanently deleted once you leave that project, so be aware of this.

NOTE: If you EVER want that file back for later use in the project or in other projects, you should save it to the “My Loops” library by selecting it and hitting the “+” button you see in the loop metadata browser in the lower right hand side of the screen.

MIXING, FX BROWSER AND SELECTION

To mix your tracks, touch the “>” symbol in the gray strip next to the track numbers in the Arrange window. This will pull out the mix slider and you will see eight (8) Faders to control the audio output level of the track. There is also an empty FX slot. If you select the FX tab in the browser in the lower left side of the screen (instead of the audio wave symbol), you will see a scrolling list of the available effects. You can drag and drop up to four (4) effects from this list to any Track or Master FX slot. *Note that Pan is treated as an effect.*

To select a specific effect to automate or create a setting for, simply click on the effects slot that effect is assigned to and choose it from the FX pop-up for the slot on that track (as seen below) . This also is the way to select an effect assigned to the Master outs. Selecting a particular effect will automatically show the XY controller pad and assign it to that effect. To remove an effect, simply drag the effect from the FX slot out of the arrangement window.



AUTOMATION AND FX USE

To create a specific setting for an effect assigned to a track:

1. Select the effect you want.
2. Touch the “Hold” button on the XY pad controlling the effect.
3. Create the setting you want for the effect by touching the XY pad

Note that this setting is specific to the Project and the changes to the effect after being inserted on the track. These settings cannot be used across tracks or Projects. Also if you delete the effect the setting goes away, even if the effect is added back to the original track.

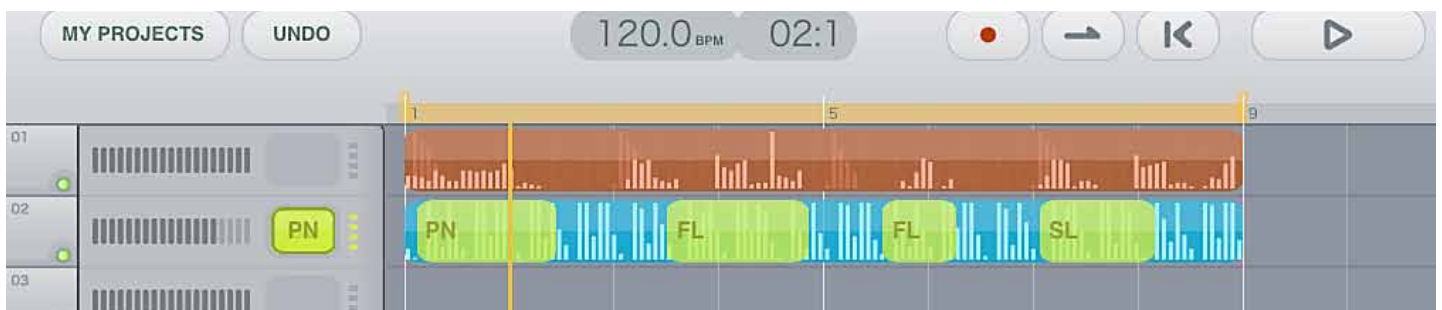
Here is how to record effects and fader automation:

1. First, make sure you don't have a track armed to record audio (track 8 might have the red light on). Touch the track number area twice quickly to toggle from red (record audio) to green (track plays). You want it green, as you are recording automation not audio input.
2. Choose your effect from the FX browser and drag it to an effect slot on a track. Note that if you have multiple effects on a track you can click the effect slot on the track to get a popup selector to choose the effect you want to automate.
3. Touch the Timeline/Ruler at the top of the Arrange window to set playback slightly before the area where you want to record the automation.
4. Double check that you have an effect selected, then hit the Record button. You will see the Red dot glow on the Record button, the Metronome pop-up and then you can record your automation moves with the xy pad. As you record, you will see the automation represented by the green/yellow layer labeled with the abbreviated FX name.

Note that the same trick works for automating the Master FX. Also every time you do a new pass you will update the controller data from before.

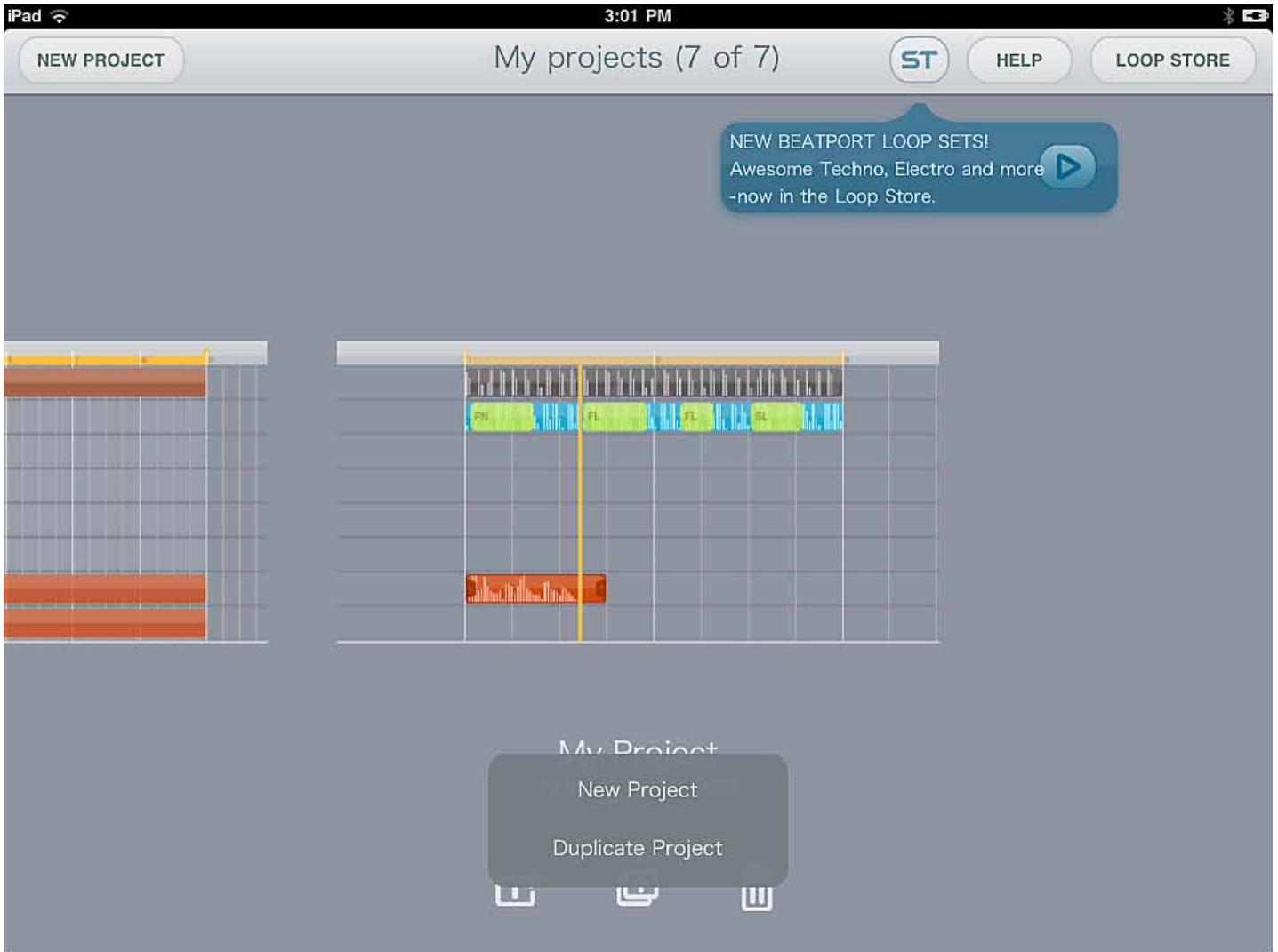
If things get really crazy, you can always select the controller data for an effect and delete it by dragging it off the timeline, as you would with a loop or recording. Note that an effects controller data will come to the surface when you select it's associated effect in the tracks effect slot. In the screen below you can see the effects automation for Panning (PN), Flanger (FL) and the Stutter Loop (SL) effects.

Note that the same technique is used for recording fader/volume changes. Just select and move the volume fader for a track instead of an effect and the XY pad.



CREATING NEW PROJECTS AND PROJECT MIX DOWNS

If you do not currently see the “My projects” screen below, then you can get to this by pressing the “MY PROJECTS” button in the studio.HD Arrange window. Once there, you can scroll/page turn left and right to access your library of Projects. Simply tap one to open it in the Arrangement window and start working on it. With your selected Project in the middle, use the “+” pop-up to create a Duplicate Project if you want to use your project as a template for a new Project, or to create a new copy of the Project so that you don’t destroy the current version. Use the Trash Can to Delete a Project. Use the Export button to create a stereo mixdown of your composition as a high-quality .aif file.



PROJECT MANAGEMENT - WORKING WITH ITUNES DOCUMENTS

To get audio files into and out of your iPad you need to use the App Document File Sharing inside of iTunes. To do this you must first dock your iPad to your Mac/PC using the US cable provided with your iPad.

To back-up recordings:

1. Choose the picture/icon of your iPad to the left of the screen.
2. Select the "Apps" tab.
3. Scroll down to the list of apps at the lower left side of the screen and choose "studio.HD"
4. Then you will see a list of all your recordings for all your Projects listed in the Documents area to the right side of the screen. They will have names like "Recording-0001", etc.
5. To back-up your recordings, select the recording(s) (use SHIFT+CLICK to select multiple) and then the "Save to..." button. You will be prompted for a location, so create a folder and save the files there. Note that you can also delete files from this screen by selecting them and hitting your Delete key. Just be careful that you don't remove a file you need.

To save a **mixdown**:

1. Look for an .aif file with the same name as your Project (My Song in this example).
2. Use "Save to..." for this as well.

NOTE: To get your mixdown into your iTunes music lists simply drag and drop it into your iTunes music list or use the "Add to Library" Import feature.

To import a 44.1 kHz/16 bit **aif or wav** file (such as a loop) to your iPad:

1. Click the "Add" button and find the file(s) you want to import when prompted.
2. The file will show up in the Documents list and be imported into the My Loops library when you start up studio.HD

To import your own **Loop Sets** (a .loop file which is a collection of 44.1 kHz/16 AIF/WAV/OGG loops created using the Sound Trends SetMaker Mac application)

1. Click the "Add" button and find the .loop file(s) you want to import when prompted.
2. The file(s) will then show up in the studio.HD Documents list and be imported when you start up studio.HD. It will be listed with all the other Loop Sets.

LOOP STORE PURCHASES



If you lose your Loop Set purchases that were downloaded to any of the Sound Trends apps (on any platform), you can download them again by using the “Restore” feature in our in-app Loop Store. This also is how you can transfer your Loop Set purchases between all Sound Trends products that use the Loop Store (Looptastic HD and studio.HD on iPad or Looptastic Producer or Free on iPhone/iPod touch)

So just select
- “Loop Store”
- “Restore”

Note that you need to have made all the purchases (apps and Loop Sets) using the same iTunes account.

ROYALTY-FREE LOOP USAGE RIGHTS

Sound Trends grants you a license to use your musical creation made from our products, on a world-wide, royalty-free basis. This grant applies to sounds you acquire with the application or through the Loop Store. If you acquire loops from other sources, you will need to secure the rights to use that material as well. You may not resell the individual loops as separate parts—you only have permission to use the completed music composition.

SUPPORT

Just to cover this upfront, if you are looking for educational information (tips and tricks, etc), please use these resources:

The Sound Trends Forum:

<http://www.soundtrends.com/forums/>

A help screen labeling of some studio.HD features.

<http://www.soundtrends.com/images/misc/HelpScreen.png>

Our YouTube channel:

<http://www.youtube.com/user/soundtrends>.

If you have an urgent support issue, please send mail to support@soundtrends.com. It tends to be answered much faster than forum postings.