

# Logic Express Notes

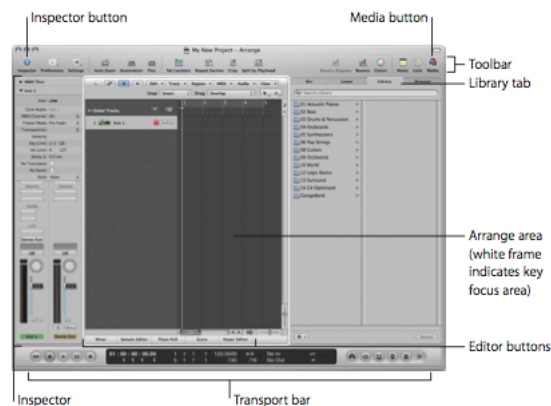
- 1) **Open** and select the **Empty Project** button
- 2) In **New Tracks**, select what you know you'll need. Add more later. Click **Create**.

**Audio Track** A horizontal place to put sound files.  
**Software Instrument Track** A lane in the arrange area for editing midi regions.

- 3) Now save the project even before you start.  
Notice in **Save As** you can click **Copy External Files to Project Folder**.  
It will create your project folder.

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## The Arrange Window



The **Inspector** gives you options for any element or region that is selected.

The **Media** button Gives you browsing of audio files, loops, etc.  
The **Bin** tab Shows all the files in this project.  
The **Library** tab Shows all the settings files for saved plug-ins etc.  
Editor buttons **Sample** for audio. **Piano**, **Score**, and **Hyper** for MIDI.

**Audio Region** A rectangular image of a waveform file in an **audio track**.

**MIDI Region** A rectangular image of a midi file in a **Soft Inst track**.

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## Importing audio tracks

- a) **Drag** an audio file from the desktop to the arrange area.
- b) Or... Create a new track. Click on **Track** tab above arrange area.  
Select the track and use **File > Import Audio File**

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## Adding a MIDI track without a keyboard: *The Piano Roll Editor*

- 1) **Window > Piano Roll**
- 2) Set the timing to **whole notes** or ?
- 3) Use the **pencil** to add some notes in a pattern in C.

Or press the **CAPS lock** button to see a Qwerty-Midi keyboard.

Once you create a few measures, *copy the region* as many times as needed.

*Edit* the notes by moving individual notes with the **arrow** cursor, or

Using **Transposition** in the **Inspector** (octaves only) to move the whole region

Selecting a group of notes with the arrow and dragging.

Or use Window > Transform > Transposition and click half-steps up or down.

Try this: move all the notes in one region up two half steps. Listen. Odd? Find moved notes that may no longer be in the key and move just those back into the key. Listen again.

See Global Tracks > Tempo

The Tempo Automation affects the MIDI but not the audio track.

Speed the music up when you wish.

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## Adding a *high pass filter* to a track (Voice for instance)

1) Click in first box under "**Inserts**"

2) Choose **EQ > Single Band > High Pass Filter**

**HiPass** will appear on the box. Click it whenever you want to change settings.

Removing an Insert: In either the Inspector or the Mixer window...

1) Click and hold on the insert slot. Choose "**No Plug-in**" from the drop menu.

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## Adding *master reverb* to the whole mix in stereo:

1) Click on a **Send** box. Choose a **Bus**.

An **Aux Strip** is created in the mixer.

2) Add reverb as in **Insert** to the aux strip.

One stereo reverb is enough for many uses. Or...

Make a left and right aux strip and set pan toward left and right.

3) Before it will work, notice the *small volume controls* on each send. Turn 'em up.

Now you have master reverb tracks to eq, etc.

Ability to pan the reverb send.

Ability to have different amounts of the same reverb for different tracks.

Uses for aux strips:

Group 5 drum tracks together into one stereo sub-mix.

Turn all drum outputs from **Stereo Out** to **None**, but let the sends send to a bus.

This can also be done by defining groups (32 possible in Logic)

and assigning output to a group instead of Stereo Out

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## Editing an audio region

Select the region. Select the **Sample Editor** tab along the bottom.

Drag to select a portion of the region. Then see **Edit** and **Function** tabs.

Setting Track Automation

Track must be of sufficient height. Turning on track automation automatically set a suitable vertical zoom level.

Resize Track – Drag the lower left corner of the track.

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