Quick Learn

How To Recording Your Music
on Mac computer and on IOS Devices

DIGITAL AUDIO WORKSTATION

Garage Band

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AUDIO INTERFACE CONNECTION

Setting Input & Output
Bar + Beats

CHOOSE A TRACK
Building tracks for song

1) Use computer Musical typing
2) Use instrument keyboard playing

FUNDAMENTAL TRACKS

1) Software Instrument (Green data)
2) Voice selection (Blue data)
3) Adding audio tracks (guitar) (Blue data)
4) Adding drummer track (Yellow data)

TRACK PROPERTIES

PANNING
EQ & EFFECTS

MIXING TRACKS
1 THE TONE
2 DYNAMICS
3 VOLUME

EXPORT YOUR WORK

MASTERING: ALL PLAYER WILL BE THE SAME
SOUND AND VOLUME

AUDIO INTERFACE CONNECTION

◆ **GUITAR, BASS**
USB HARDWARE

   JAM Price from $179

   https://apogeedigital.com/products/mic

Connect your guitar cable to JAM -
Output from JAM to iPhone/iPad/Mac

◆ **USB MICROPHONE**

   Price from $160 - $350

   https://apogeedigital.com/products/mic

◆ **USB KEYBOARD**

   Price from $99

   https://guitarcenter.com

INPUT - OUTPUT SETTING

◆ Click Garage Band on top menu then Setting. Depends on how you set up your audio system in your home or studio. Your computer will detect all hardwares connected and appeared in the setting.

You may choose and switch back and forth the setting options to match with your own system and you can hear the audio on your headphone or speakers.

Put something on the track to check your audio output by click on the far right top icon-select any sound loop file by click and drag it into the empty track and click play button.
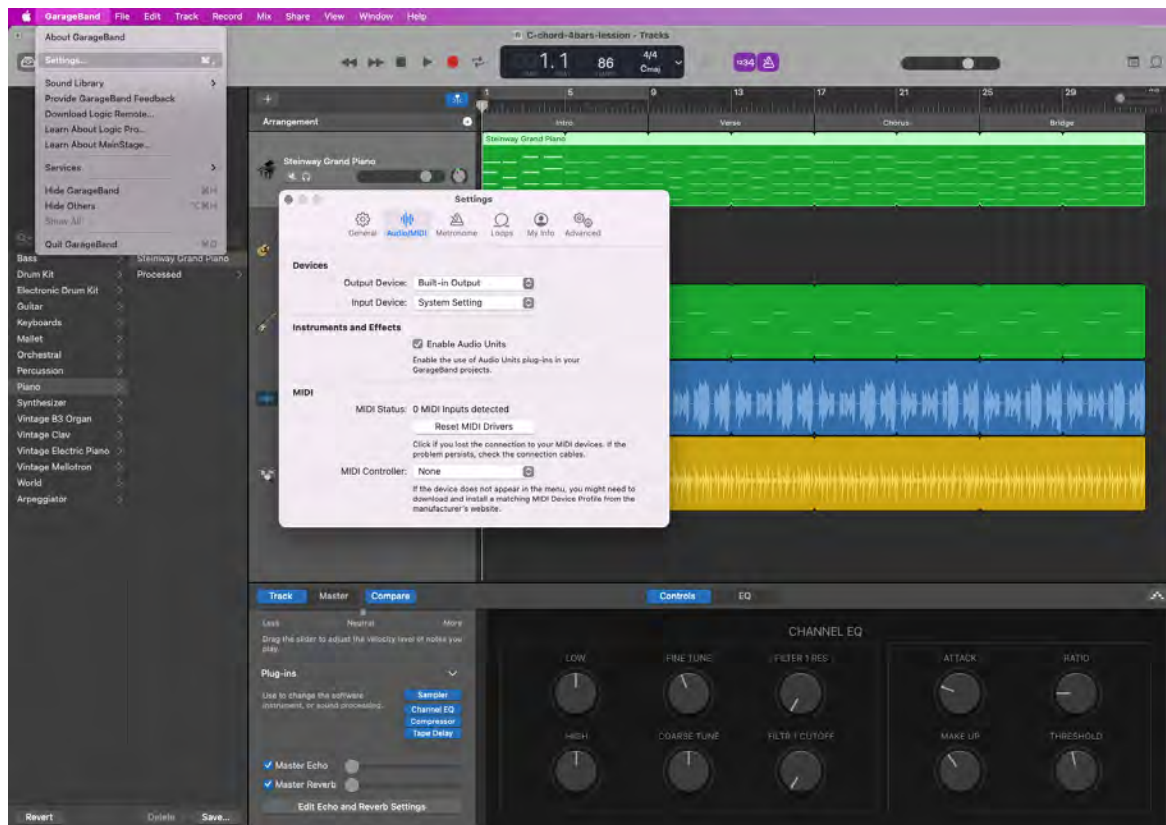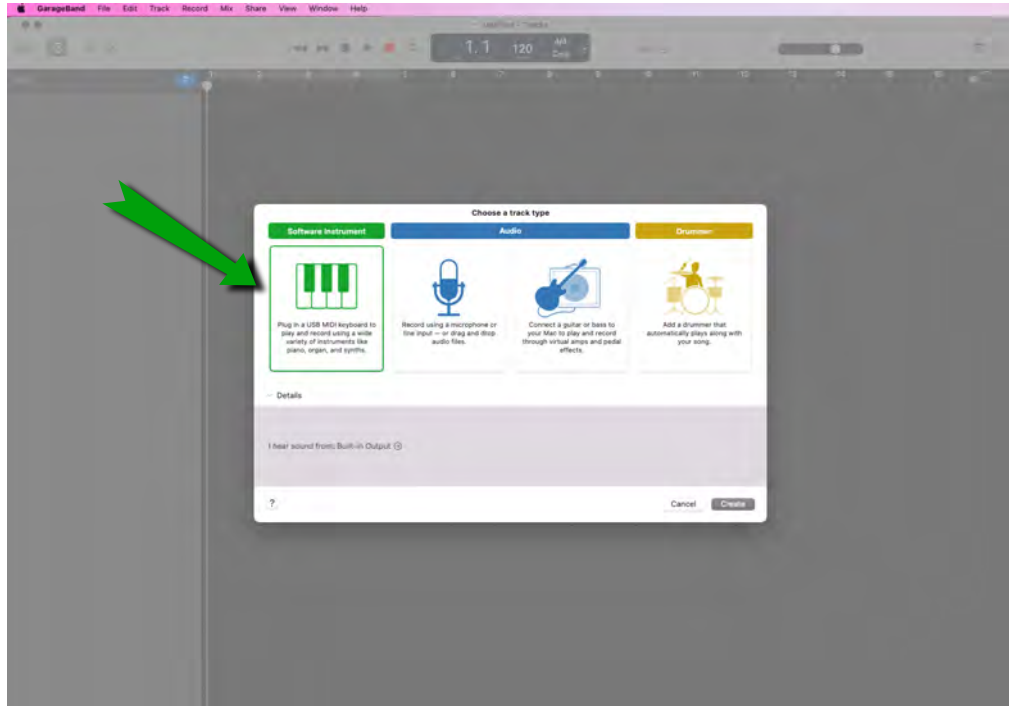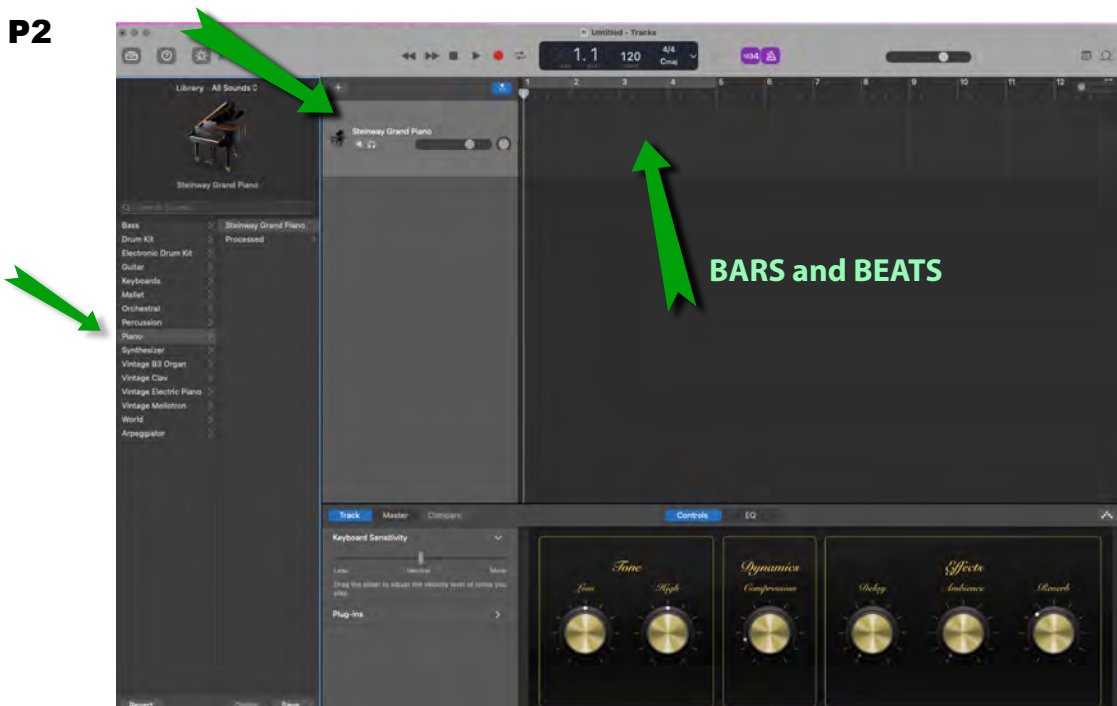
GARAGE BAND DASHBOARD

Track Types:

A) Software Instrument: **GREEN**

B) Audio: **BLUE**

C) Drummer: **YELLOW**

Open the GB and choose a blank project. Select Software Instrument (P1) - An Untitled Track appeared (P2) Move your mouse to select Steinway Grand Piano on the left Library panel. Now you have a Steinway Grand Piano on the first track

P1

P2

BARS and BEATS

MAIN MENU:

Top menu buttons from left to right:
LIBRARY-QUICK HELP-SMART CONTROL-EDITORS-RW-FW-STOP-PLAY-RECORD-LOOP-BAR-BEAT-TEMPO-TIME SIGNATURE-CHORD-COUNT IN-CLICK-VOLUME.
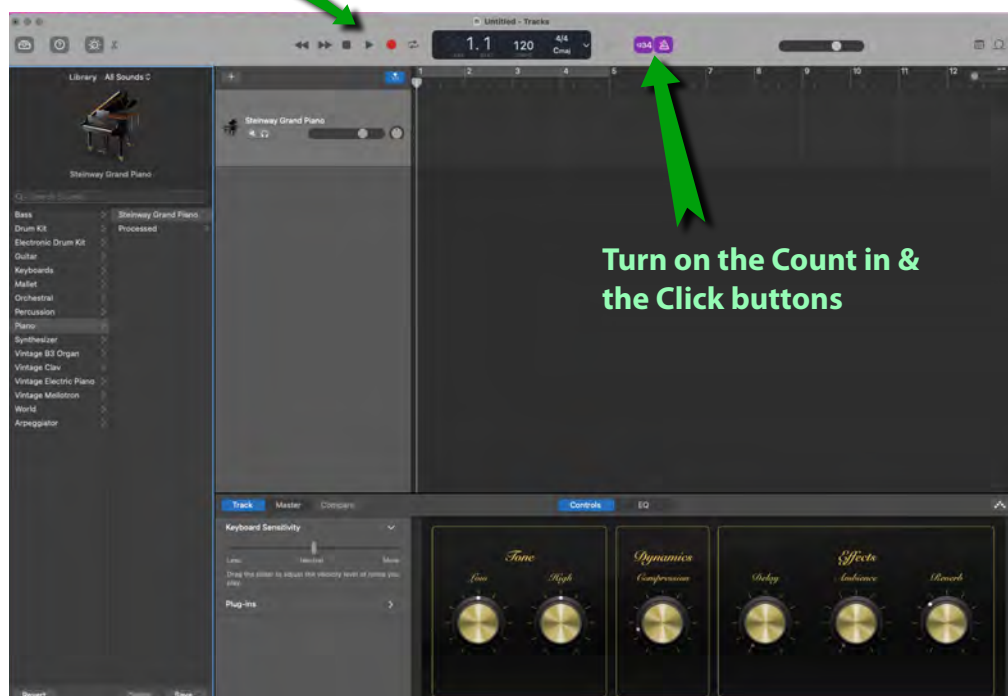Left panel is Instrument-Library. Track area-Bar & Beat top. Bottom is Track Control and EQ

P3

Click play button: You will hear the sound of click at every strong beat of the bar and the cursor's running along the track from left to right

P4

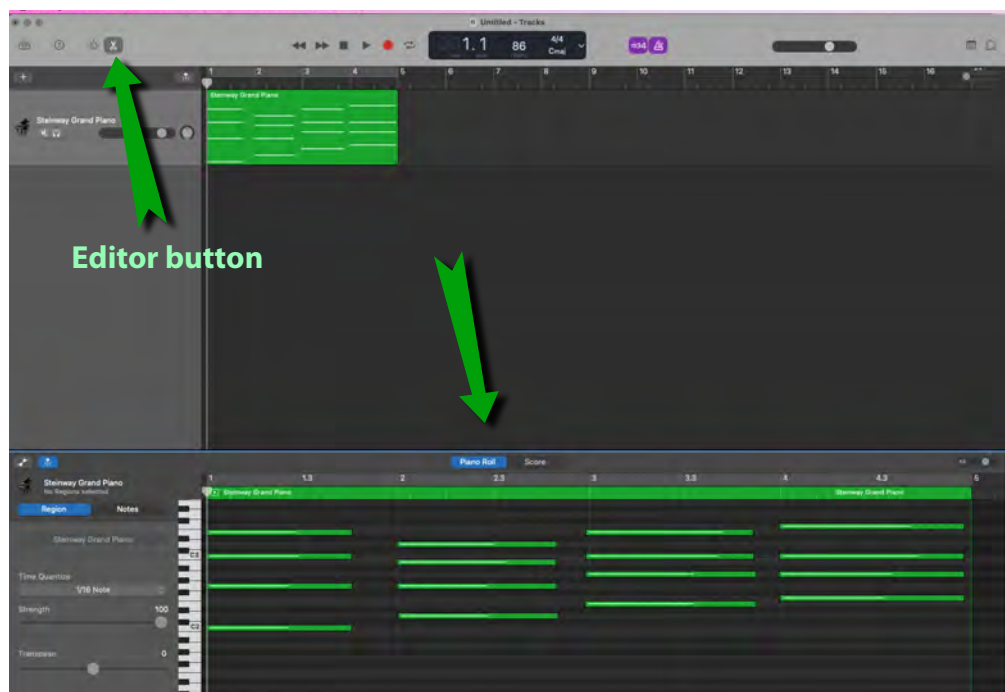# TRACK RECORDING

4 BARS RECORDING:
Connect your USB keyboard or guitar to computer - Set the Tempo for 86 - Click record button and you will hear the count in 1 2 3 4 then start to play your keyboard or strum the guitar on C chord at the first beat of first bar - G chord at the first beat of the second bar - Am chord at the first beat of the second bar - F chord at the first beat of the third bar - F chord at the first beat of the fourth bar. (P5)

P5

C   G   Am   F

4 bars chord progression recorded

Click Editor button: You will see the Piano Roll panel at the bottom left and all green bars are on right are the basic chord structures and progress. This is where you can manual edit the notes of the chord if necessary

P6

Editor button

TRACK RECORDING 2

LOOP - COPY - PASTE:
Play the audio from the start and listen to what you just recorded.
Extend from 4 bars to 8 bars by select the piano track (green bar) hover you cursor at the right edge of the green bar, press and drag to the right at the last bar of the eighth.
Rewind and play back your 8 bars of piano. (Video sample at https://youtu.be/fcwMzH6TOCg)
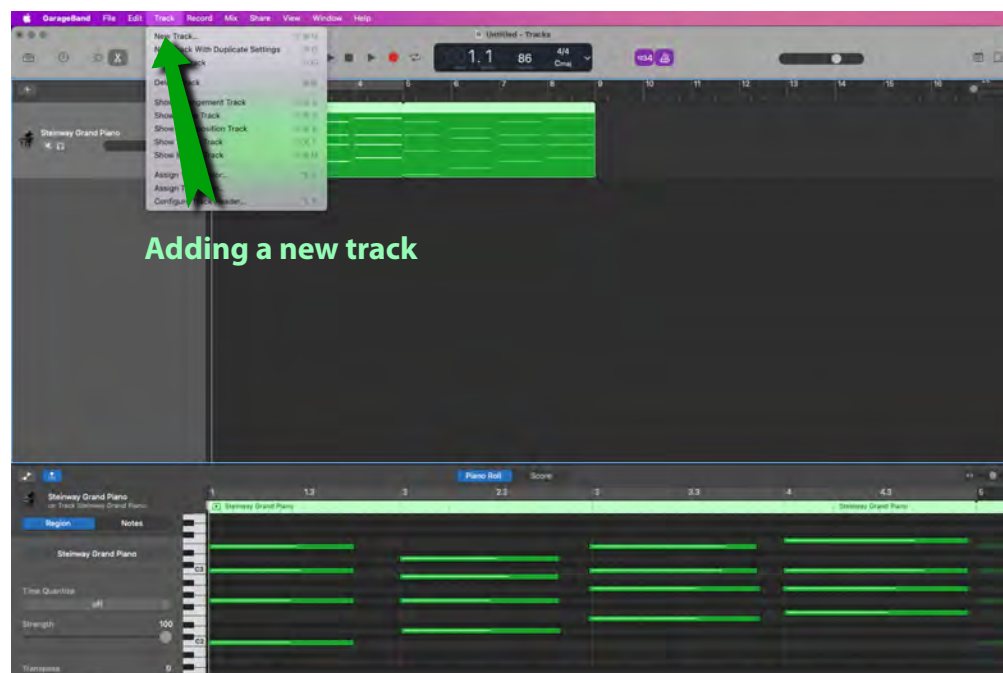
P6

Extented to 8 bars
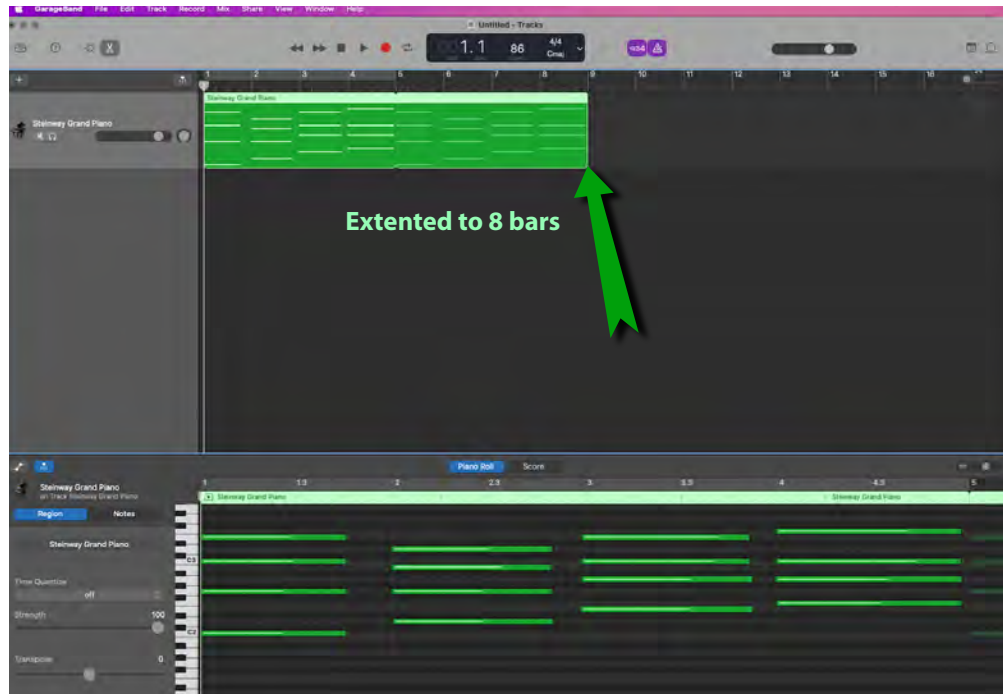
RECORDING A SECOND TRACK:
Click track menu on top to add a new track

P7

Adding a new track

DRUM TRACK RECORDING

ADDING NEW TRACK:

RECORDING A SECOND TRACK:
Choose Drummer (YELLOW)

P8

Click Drummer

Click Create
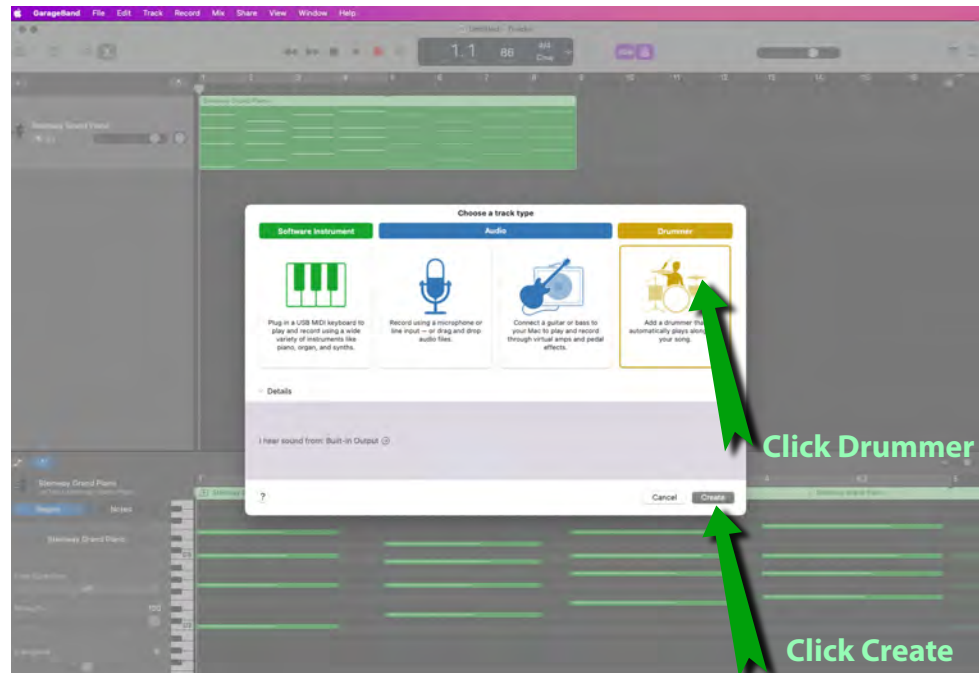
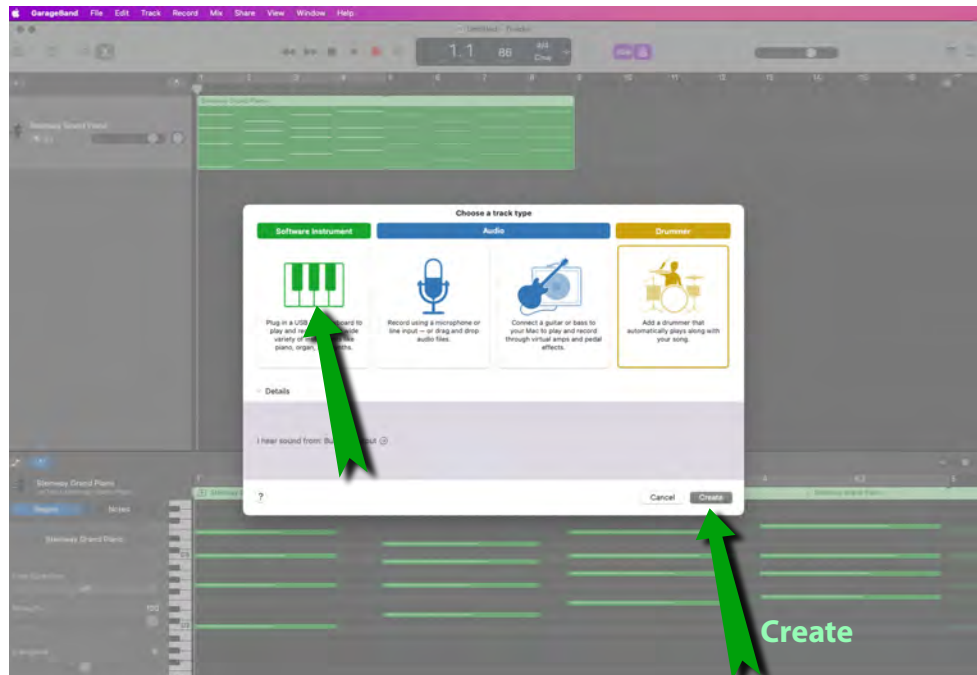New drum automatic adding to track. Click Rewind button then click play button to listen to your piano and drum track at once. (Video example at https://youtu.be/jzd1e-KeYgs)

P9

Drummer editor

Drummer track added
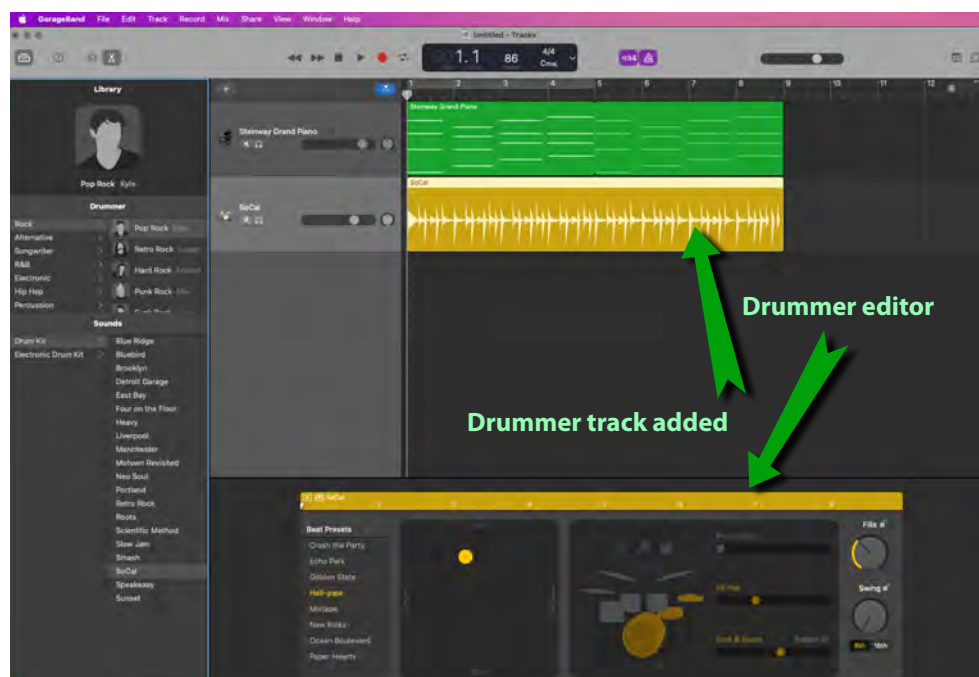
BASS TRACK RECORDING
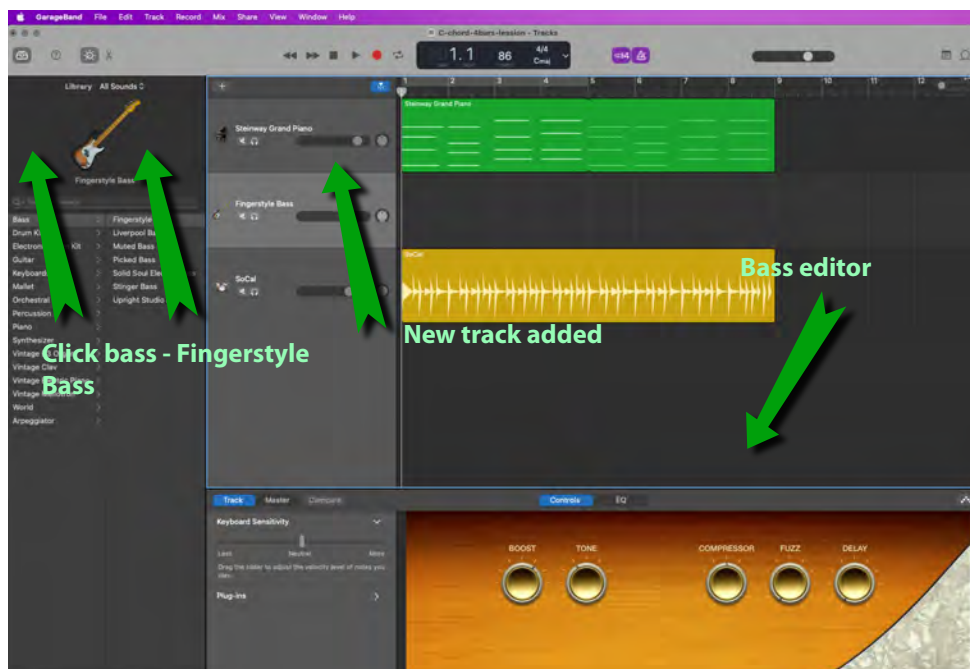
ADDING NEW TRACK:

RECORDING A BASS TRACK:
Click new track on top menu (P10) to adding a Software Instrument (GREEN)

P10

New track added then choose on the left panel for Bass-Fingerstyle Bass (see P11).
Rewind and click record button-wait for the count in then play your bass lines C, G, Am, F.
If used mini keyboard remember to set lower 1 octave for bass sound.
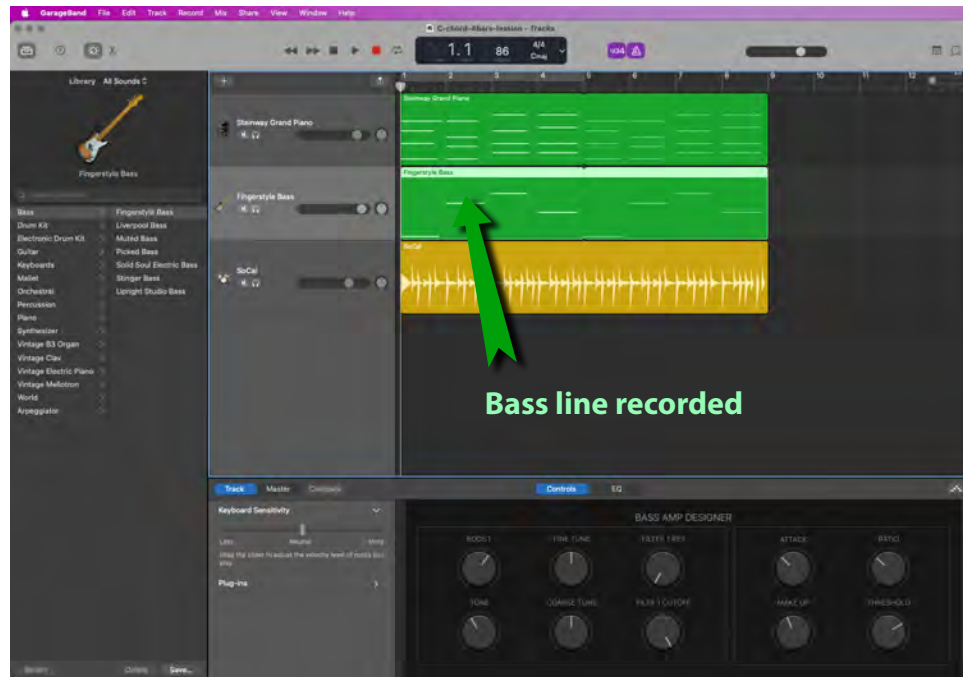
P11

BASS TRACK RECORDING 2
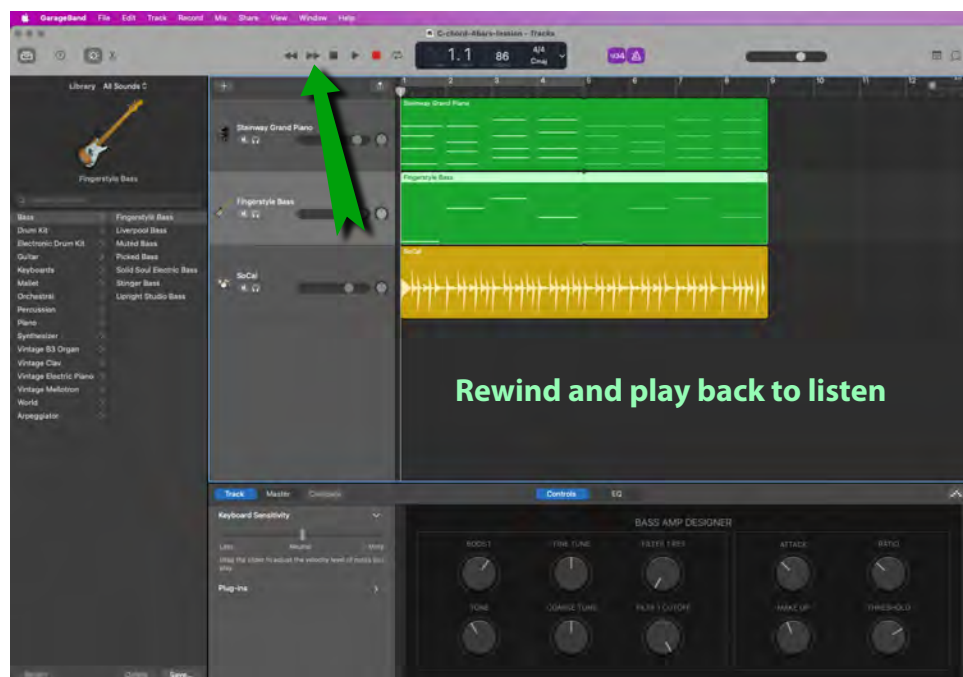
ADDING NEW TRACK:

RECORDING A BASS TRACK continue:
You need to record your bass line for 4 bars then extend to 8 bars (P12) just because it's a same chord progression

P12

Bass line recorded

After you've done with a bass line recorded - Rewind then play back to listen the whole combination of 3 tracks (See video sample at https://youtu.be/cL514-Sik0c)

P13
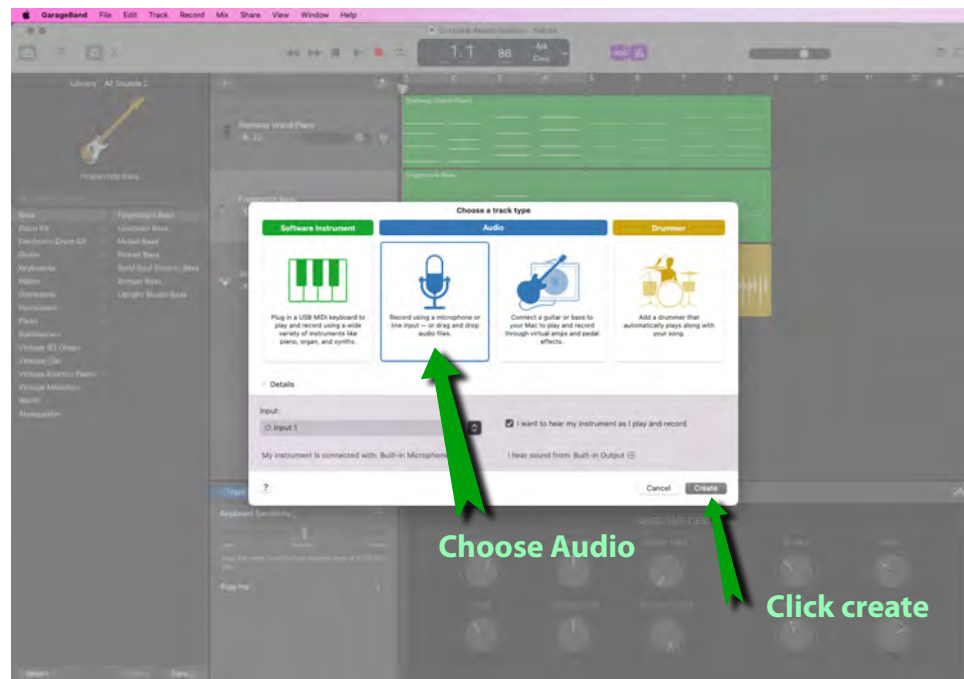

Rewind and play back to listen

VOICE TRACK RECORDING

ADDING NEW TRACK:

RECORDING A VOICE TRACK:
Adding a new track for vocal - choose a BLUE color for Audio then click create button

P14

Choose Audio

Click create

An audio track added - Turn on monitor button so you can hear what you sing from your headphone. Make sure your USB microphone is connected. Rewind then start to recording your voice. Click record button and wait for count in then sing along

P15

Audio track added - Turn on monitor button
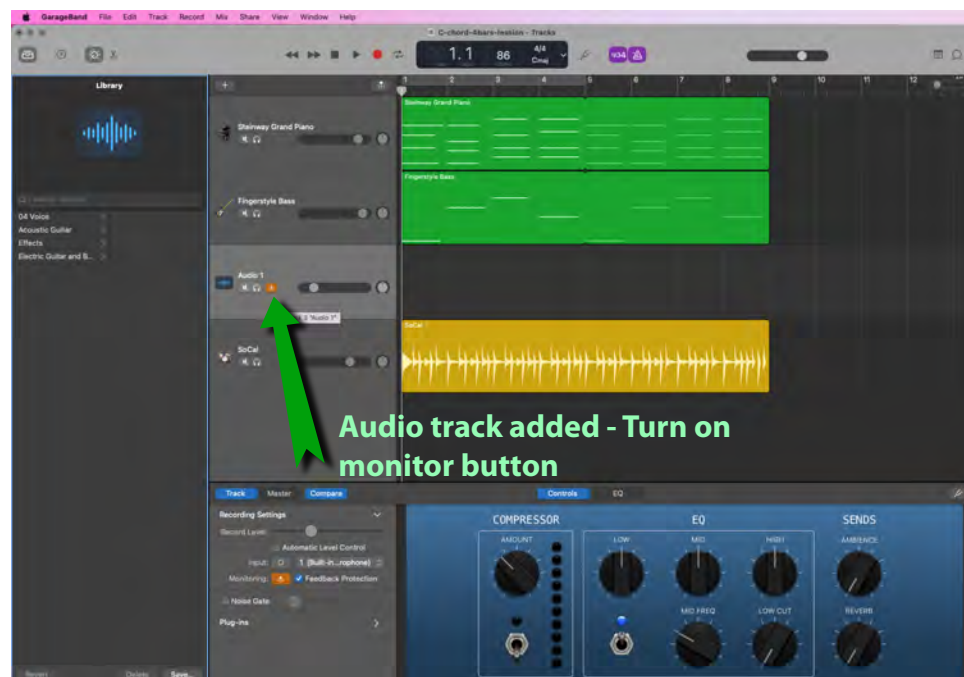
VOICE TRACK RECORDING 2

ADDING NEW TRACK:

RECORDING A VOICE TRACK:
After 4 bars recorded then extend to 8 bars as the previous sample

P16

Your voice track recorded

Rewind then play back to listen the whole combination of your audio tracks (See video sample at https://youtu.be/qX0ntYQNDdY)
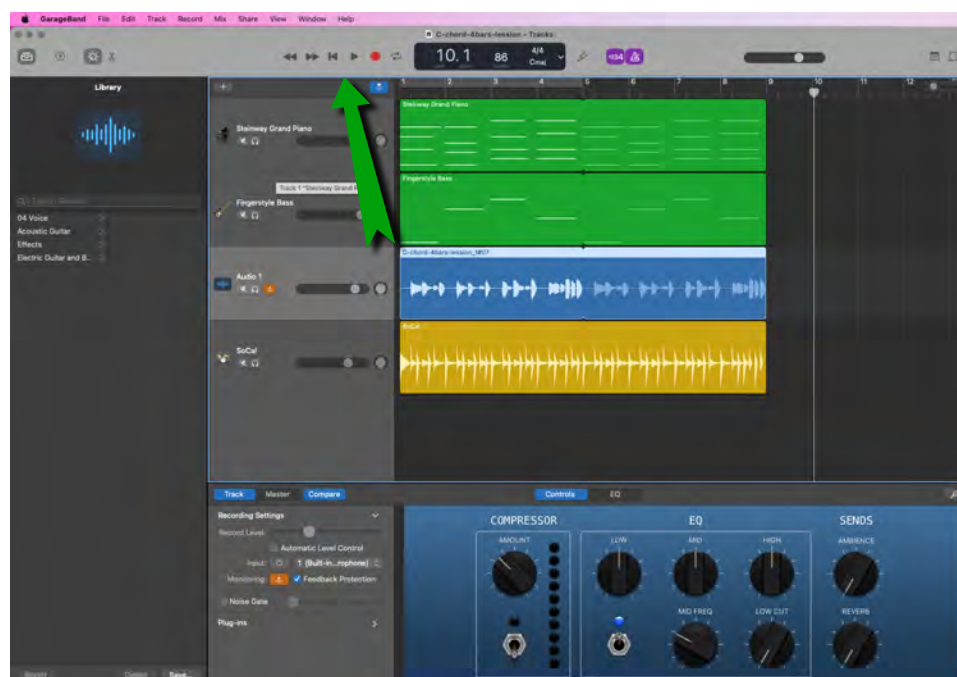
P17

ARRANGEMENT 2

ARRANGEMENT:
Track Arrangement appeared, then click on the plus icon + the intro bars added next on top of tracks. Repeat to adding Verse A, Chorus, and Verse B

P20

TRACK ARRANGEMENT:
You can choose to name the verse to fit your need.
There are 4 groups. 1st group is Intro, 2nd group is Verse A, 3rd group is Chorus, and 4th group is Verse B
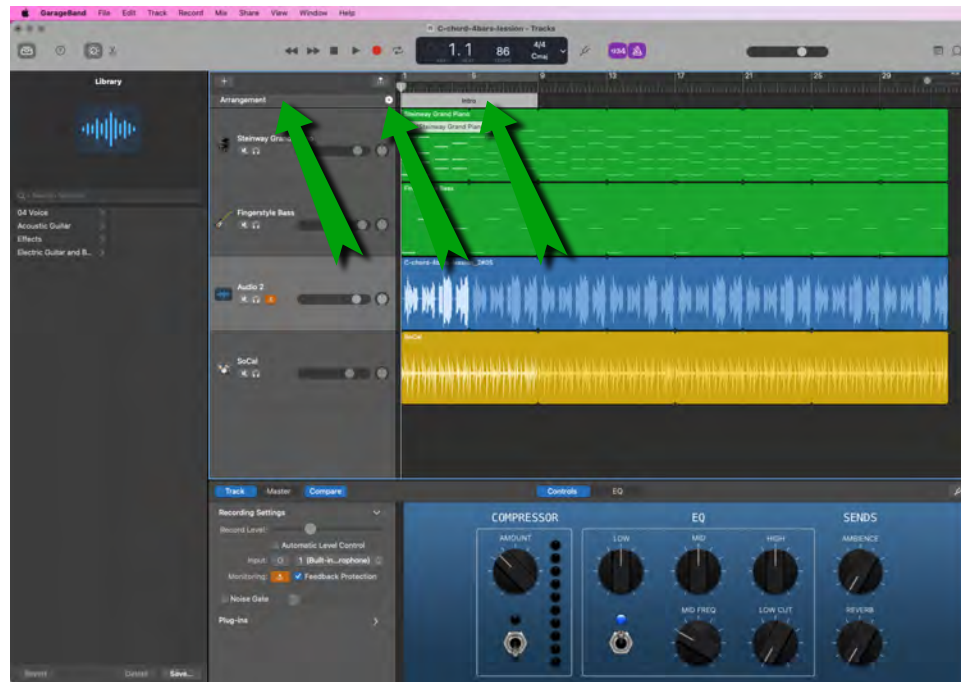
P21

ARRANGEMENT 2

ARRANGEMENT:
Track Arrangement appeared, then click on the plus icon + the intro bars added next on top of tracks. Repeat to adding Verse A, Chorus, and Verse B
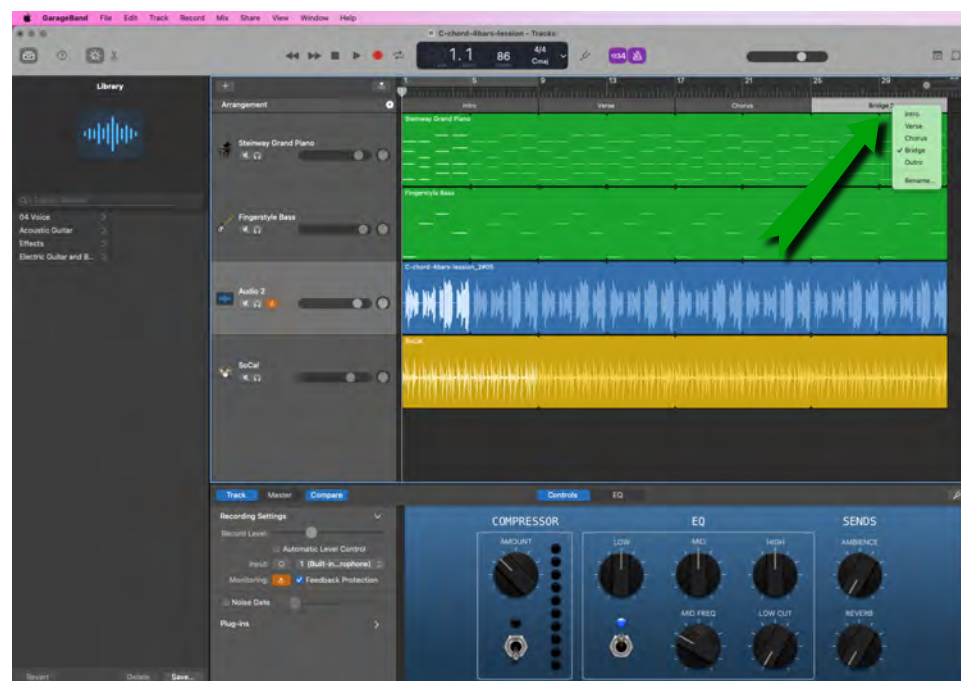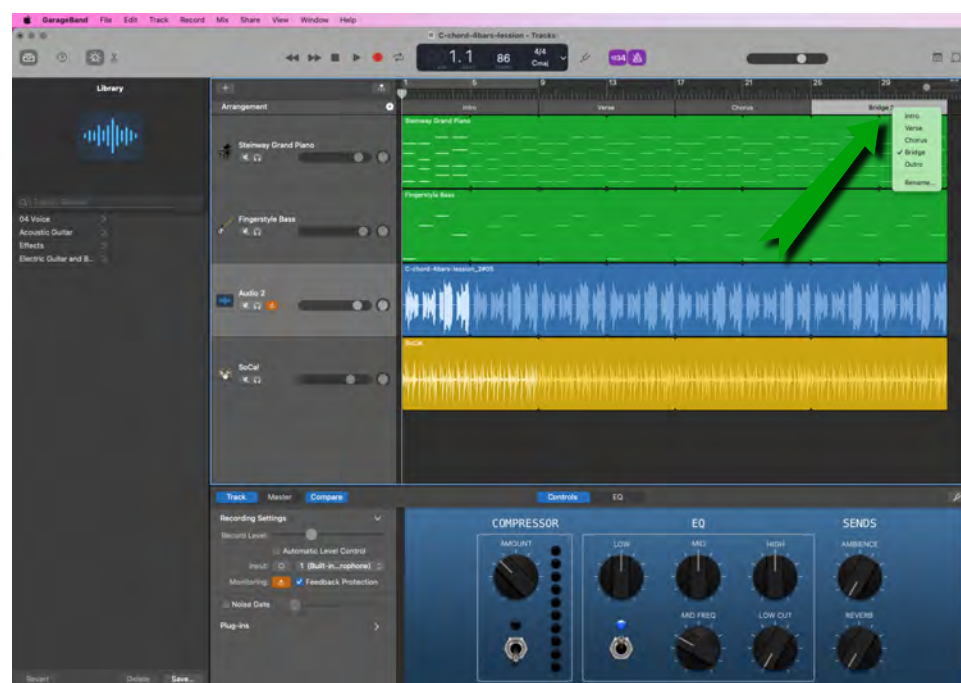
P20

TRACK ARRANGEMENT:
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There are 4 groups. 1st group is Intro, 2nd group is Verse A, 3rd group is Chorus, and 4th group is Verse B

P21

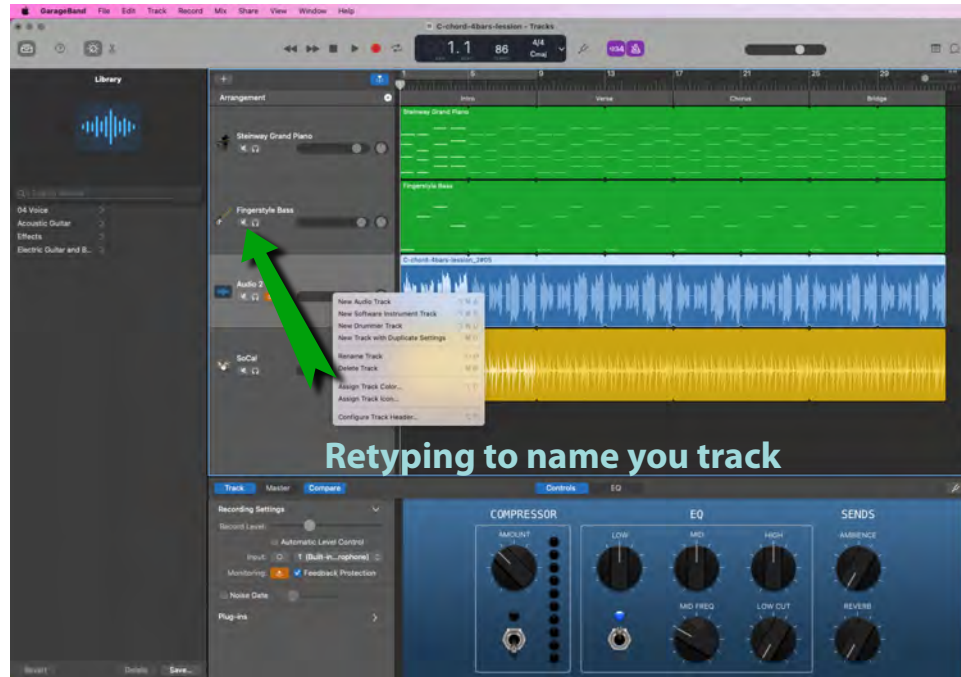## TRACK PROPERTIES

1) **Rename Track**: Select your audio track and right click on mouse to choose 'rename track' then typing the name 'My Vocal" (P22).

2) **Panning Track:** Press play button and click mouse + hold and drag around on the Pan knob to hear audio panning from left to right (P23).

P22

Retyping to name you track

P23

Panning knob

TRACK PROPERTIES 2

3) Equalizer: Click on EQ button of Track Editor menu (center bottom) (P24)
4) Controls: Click on Controls button then click on Plug-Ins to view Plug-Ins properties (P25)
Hover your mouse over a blank space right under 'Channel EQ' then right click on mouse an Effects list appeared from there you can choose your prefer effects for your vocal track

P24
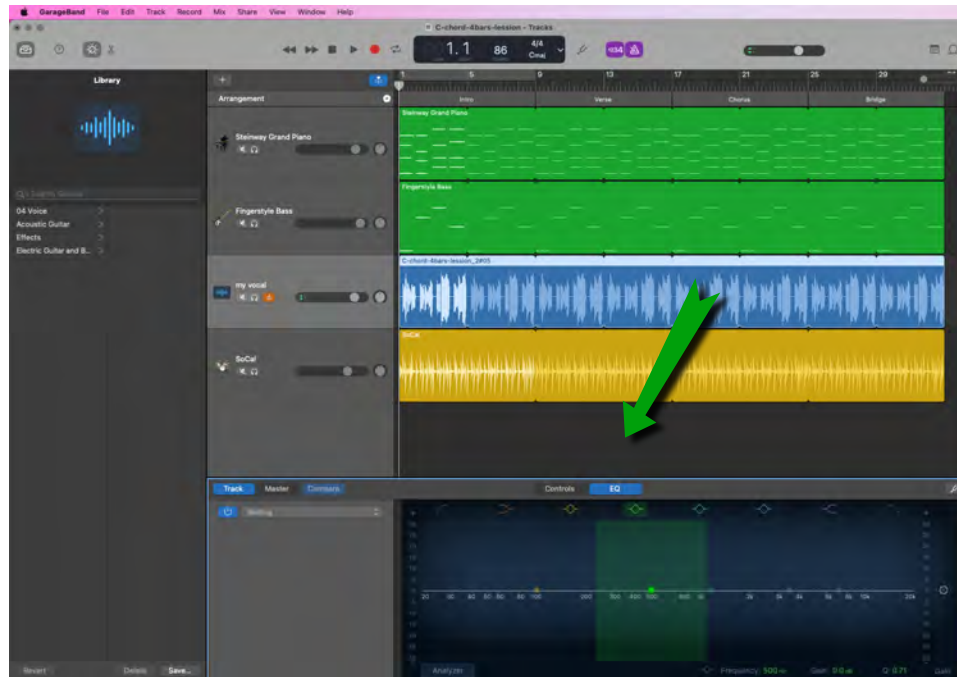
P25
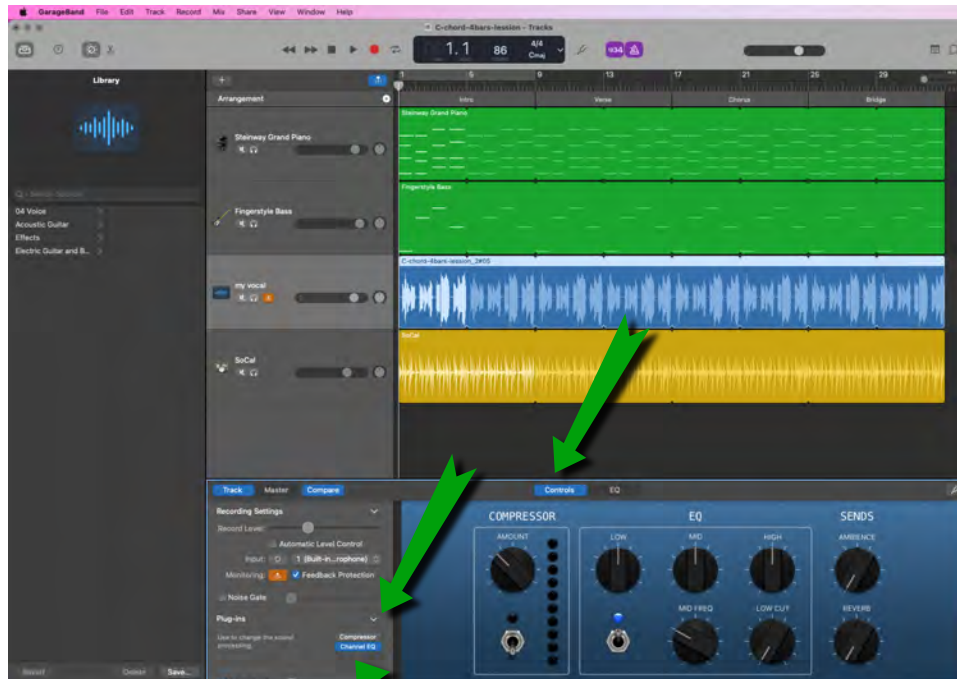
Hover mouse over a blank space then right click

MIXING

1) Track Pan: Select the Steinway Grand Piano track then turn the pan knob position to the left at -12 (P26). You will hear the piano on the left speaker more than the right speaker.
2) Track Pan: Set Drum track, Bass Track, Vocal track at center (P27)
If you have more musical instrument such as (Guitar) recorded then turn the pan knob to the right at +12. You will hear the guitar on the right speaker more than the left speaker (P27).

P26

Pan knob set to -12

BASIC MIXING DIAGRAM

P27

CENTER

Pan position -12

Pan position +12

LEFT SPEAKER

RIGHT SPEAKER

PAN
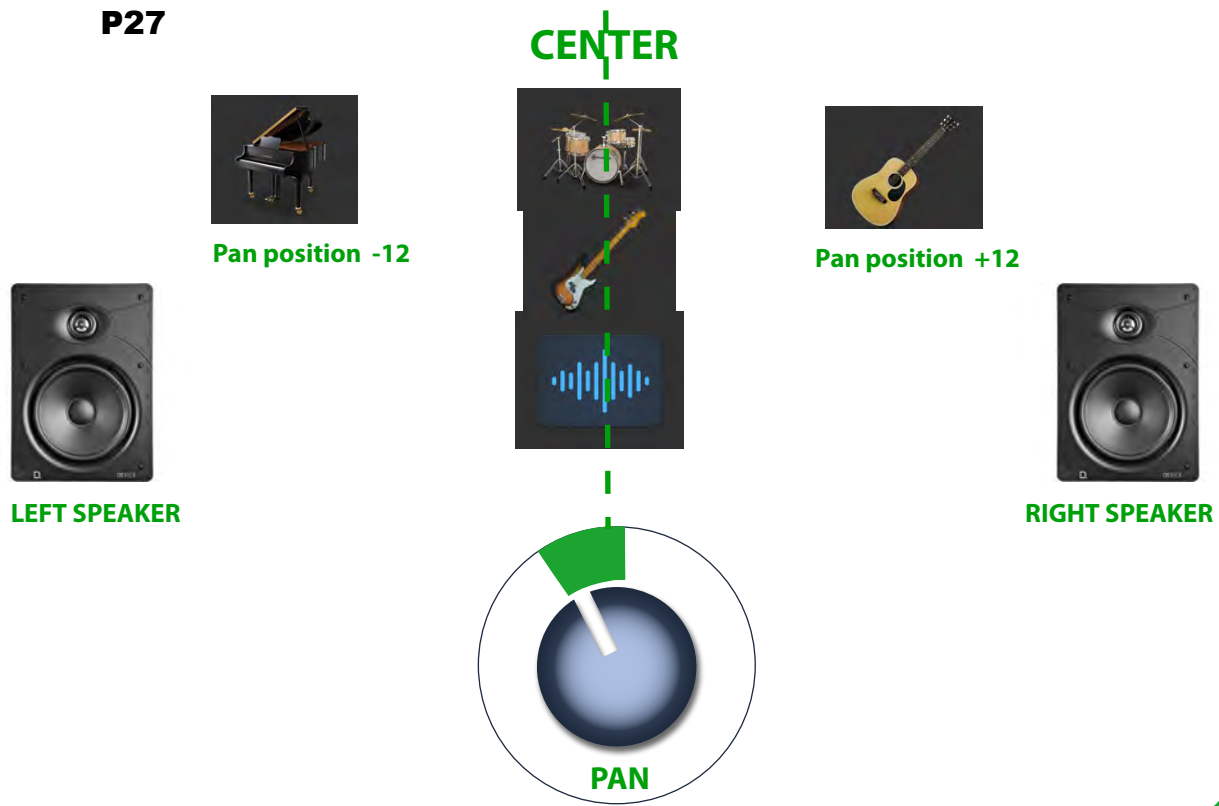
By now you have an idea how to mix your song based on this Mixing tutorial regardless how many music instrument track you recorded.

EXPORT SONG

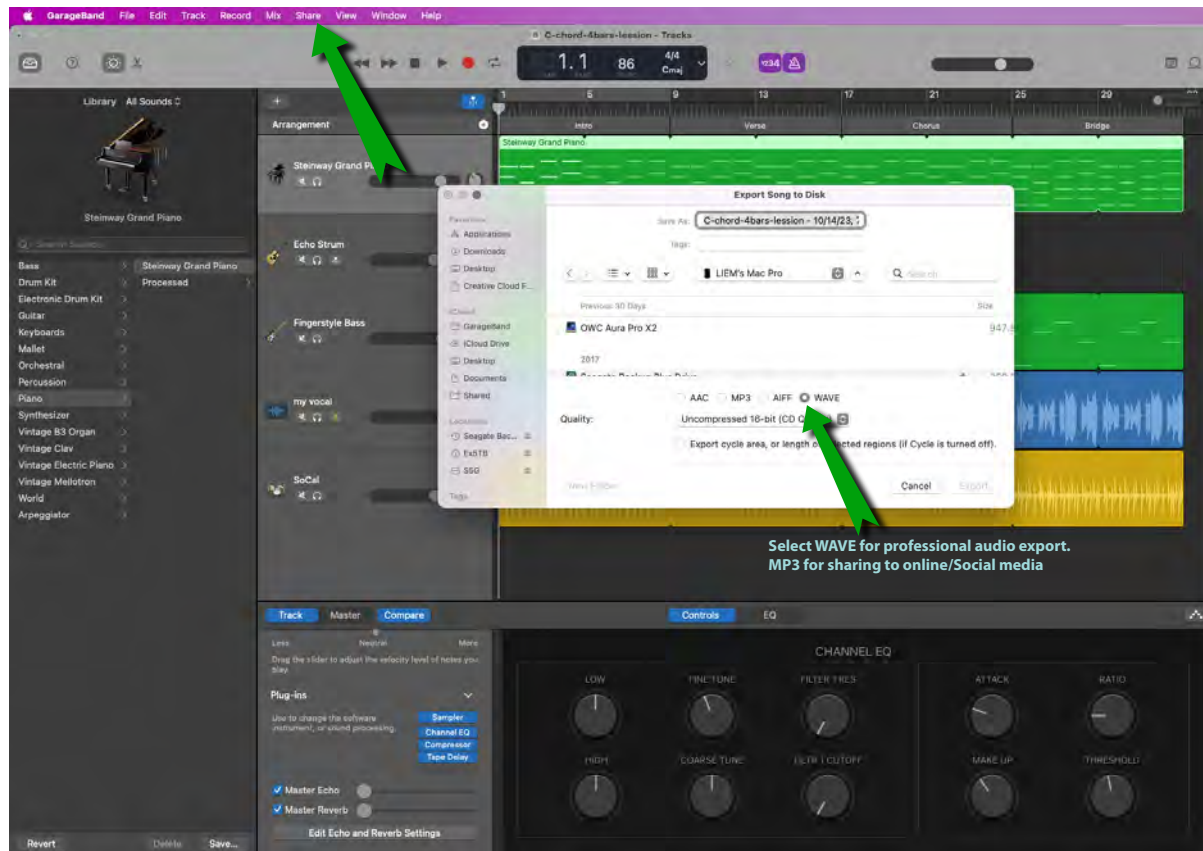Click Share menu > Export Song to Disk. To rename the exported file, select the name in the Save As field, then enter a new name. Choose a location to save the exported file from the Where pop-up menu. Select the format for the exported file (AAC, MP3, AIFF, or WAVE).

Select WAVE for professional audio export. MP3 for sharing to online/Social media

AUDIO FILE FORMAT

AAC: The AAC extension is short for "Advanced Audio Coding", which is a standard audio container format for compressed digital audio and music data.

MP3: In full MPEG-1 Audio Layer 3, a data compression format for encoding digital audio, most commonly music.

AIFF: Audio Interchange File Format (AIFF) is an audio file format standard used for storing sound data for personal computers and other electronic audio devices.

WAVE: Waveform Audio File Format (WAVE, or WAV due to its filename extension; pronounced /wæv/ or /weiv/) is an audio file format standard, developed by IBM and Microsoft, for storing an audio bitstream on personal computers. It is the main format used on Microsoft Windows systems for uncompressed audio.

IMPORT AUDIO, MUSIC, SONG

You can import audio and MIDI files in Garage Band on Mac
with the following file types into your projects:

AIFF

CAF

WAV

AAC (except protected AAC files)

Apple Lossless

MP3

You can also import MIDI files into a Garage Band project. MIDI is a standard file format
for synthesizers and other electronic music instruments. MIDI files don't contain record-
ed sound, but do contain data that electronic instruments can use to produce music.
MIDI files are available online and can also be exported by many popular music software
applications.

https://vietmuzik.com/LTPham/

We're offer bilingual English and Vietnamese recording consulting:
Please send inquiries via email **consultant@vietmuzik.com**