## How To Boost Audio In GarageBand

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Based on advice from Rob Walsh at Podcast 411, <u>www.podcast411.com</u>

Boosting overall audio quality in GarageBand 3.0 without blowing out the levels is simple. The hardest part, and most of this how-to is just getting to the right place. Garageband is simple but powerful. This generally means the more powerful parts of it are hidden from the average user.

First, follow these steps to get to the right place.

1) Open GarageBand and click on the circled "I" near the bottom right hand corner. This opens the track info pane.



2) Choose the master track at the top right.

GarageBand - Chapter 3	
Tracks 4 Mixer 00:00 02:00 02:00 04:00	Track Info
	Real Instrumen Master Track
	Band Instruments  No Effects Basic Track
	Bass P Drums P
	Guitars ► Podcasting ►
	Vocals 🕨
	input: Channel 1 (Mono) 5
×O >>×	Volume: 0
	Monitor: Off

3) Click on the triangle to the left of the word "Details" in the bottom left of the Master Track pane.

GarageBand - Chapter 3			
Tracks. 4 Mixer. 00:00 02:00 02:00 04:00 04:00	<u>&gt;</u>	Trat	ck Info
Mic 1		Real Instrumen	t Master Track
		Show All	•
	Basic	•	Default
	Classical	4	
	Dance	Þ	
	Hip Hop	P	
	Pop	Þ	
	Rock	⊳	
	Stadium Rock	Þ	
		Tempo:	0 40 bpm
		Time:	4/4 :
	60	Kev	C the major
		Key.	a the major to
	Details	1	

4) The third entry under "effects" currently says "none". Click on the pull down button to the right of the word "none" and choose "AUPeakLimter".

GarageBand - Chapter 3				
Tracks A Mixer 00:00 02:00 02:00 04:00		Track Info		
		Real Instrument Master Track		
		Show All	:	
	Basic	►	Default	
	Classical	4		
	Dance	Þ		
	Hip Hop	P		
	Pon	P		
	Rock	.⊳		
	Stadium Rock	Þ		
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		Tempo:	40 bom	
		Time	4/4 (1)	
	<b>1</b>	Kov.		
		Key.	• major •	
	▼ Details			
	Effects:			
	☑ Echo		Manual 🕄 🖉	
		4	Manual 🛟 🖉	
	None	:))	:2	
	-lize	er.	Manual 🔅 🖉	
	Compre	ssor	0 🔿 100	
	Ducking	Amount	0	
	2			
	De	elete Master	Save Master	
	-			

5) This is where we want to be to configure Peak Limited. Notice the configuration for Peak Limiting is set to "manual". We need to edit this, and make a preset for later. By default "manual" is the only option, but we'll create a new one. To configure the amount of Peak Limiting click the pencil button to the right of "AUPeakLimiter".

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Tracks	S Track Info
	Real Instrument Master Track
	Show All
	Basic ► Default
	Classical
	Dance 🕨
	Hip Hop 🕨
	Pop P
	Rock >
	Stadium Rock
	Tempo: 0 40 bpm Time: 4 / 4 •
	Key: C 😫 major 😫
	▼ Details
	Effects:
	🗹 Echo Manual 💽
	Reverb Manual
	AUPeakLimiter 🚺 🕨 Manual 📑 🖉
	Equalizer Manual +
	Compressor 0 0 100
······································	😞 🗌 Ducking Amount 0 💮 🖓 100
	Delete Master Save Master

6) This brings up "AUPeakLimiter" control window. First, click in the box to the right of "pre-gain" and enter 8.6. Leave the rest alone. This number is the amount Rob Walsh uses in his configuration. When that is done, click on the pull down where it says "manual" at the top of the box. Then choose "Make Preset". I have named my preset "Demo1".

000	AUF	PeakLimiter			
		(()))			
	On Demo	1	•		
Audio Unit: AUPeakLimiter	r		Manu	facturer: A	Apple
Parameters					
attack time:	0.0005	0	0.05 1	3.0020 5	secs.
release time:	0.0010	0	0.04-	050 9	be.
pre-gain:	-40.0	0	40.0	8.6	iB 🔰
limiting amount:	0.0			2.	IB

Now when you share to listen, export, or share this audio, its levels will be significantly increased without clipping.