

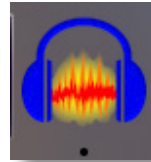
Recording Sound in the VAC Studio 106 Sound Booth



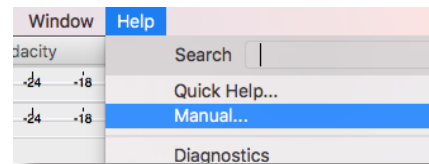
Turn on the iMac, and also turn on the Rode K2 Power Supply in the rack just below. A blue light will illuminate from the power supply when it is on.



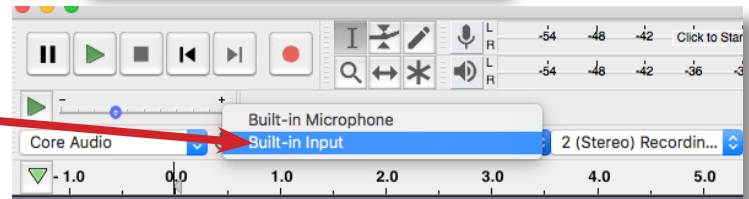
By clicking on its icon in the dock, open Audacity.



If you would like to find out more details about Audacity, the manual is available via the top menu > Help > Manual.

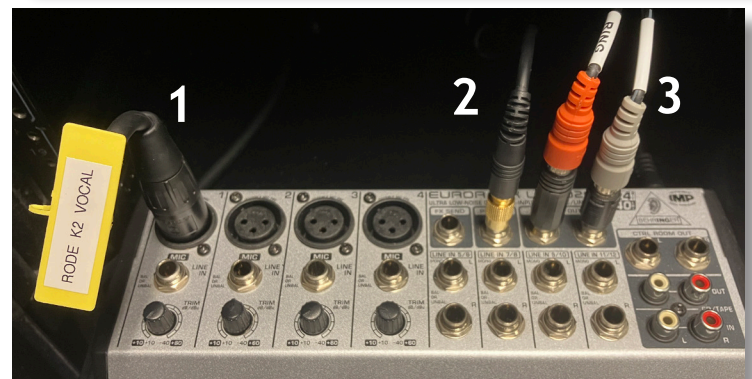


With Audacity open, make sure that the Input Device (the pulldown menu next to the microphone icon) is 'Built-in Line Input'.



Sound coming into Audacity (via the Built-in Line Input) is coming from the Eurorack Mixer.

Here we see that the Rode K2 microphone is plugged into Input 1 (1). Headphones are plugged into the Headphone Jack (2) and the two RCA cables (3) are running from the mixer to the Built-in Line Input of the iMac- and thus Audacity.



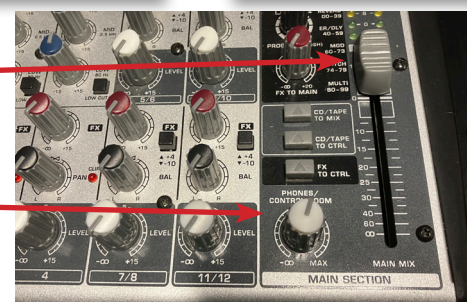
The headphones will allow you to monitor sound that is being sent out of the mixer- so you can control the audio level before it reaches Audacity.

With the Rode mic plugged into Input I, initial audio levels will be controlled by the black Trim dial (for Audio Gain) at the top of the mixer, and the white Level dial control at the base of the mixer.



Final output levels will be governed by the Main Mix lever on the bottom right.

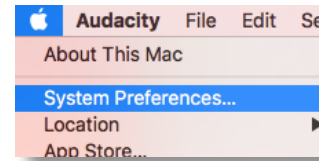
The dial to the left of that only controls the level of your headphones- it does not adjust the actual sound level of your recording.



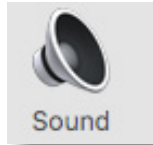
Recording Sound in the VAC Studio 106 Sound Booth



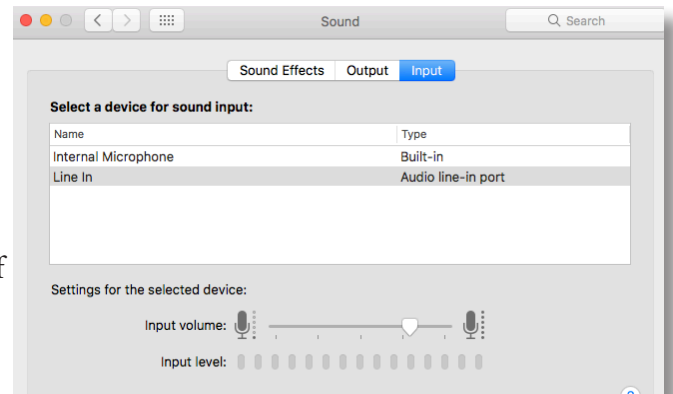
If you are finding that there is no sound, or a very low level of sound, coming into Audacity after making sure the power supply and mixer are both on, double check the iMac's audio settings.



Choose the Sound icon,



and check that Line In is selected under the Input tab. It's also a good idea to make sure that the Input volume is turned up (to the right) all the way. It can be further adjusted within Audacity, but this way we have the highest level of incoming sound possible.

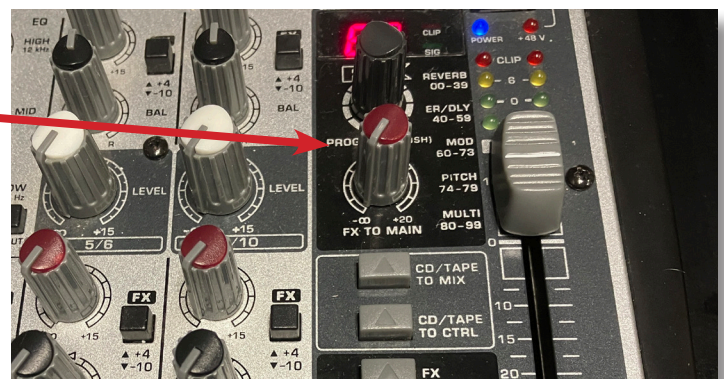


The Eurorack mixer has the capability of adding several different effects while you are recording.

As long as the red "FX" dials are turned down (all the way to the left, counter-clockwise) there will be no effect added.



This is true also of the red "FX TO MAIN" dial on the right by the Main Mix lever. Keep the FX dial turned all the way counter-clockwise so that no effects are added to your recording.



Consult the Eurorack information on pages 5 and 6 for details on using the mixers effects.

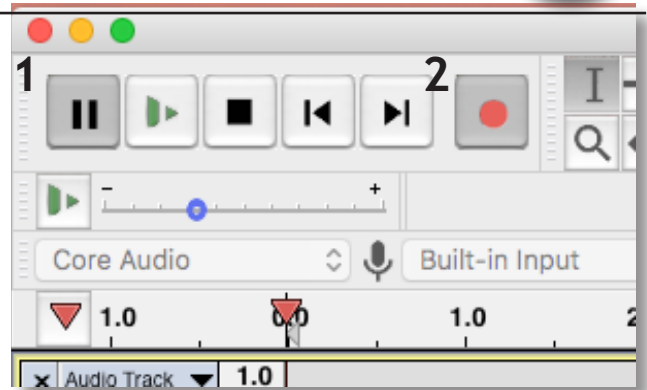
Now, to record your sound through the system and into Audacity.



Recording Sound in the VAC Studio 106 Sound Booth

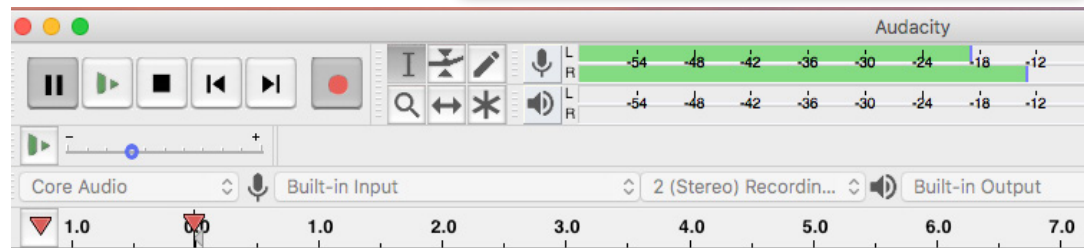
To get Audacity into a Record Standby mode, first press the **Pause** button (1) and then the **Record** button (2).

Doing this will immediately create the track you will record to.



While in Pause mode, you will be able to see what your audio levels are.

Ideally you should aim for a level around -12dB.



You can adjust the input level with the dial on the mixer (see page 1).

When you are ready to record, press the **Pause** button and you are 'rolling'.

You can pause recording by pressing the **Pause** button again, or stop recording altogether by pressing the **Stop** button (3).

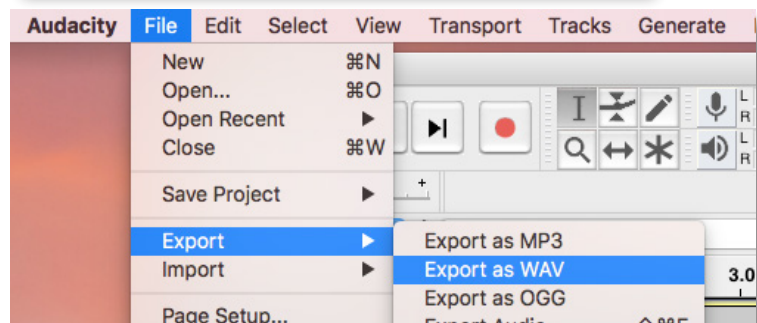
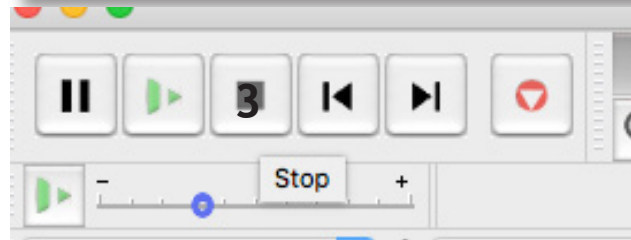
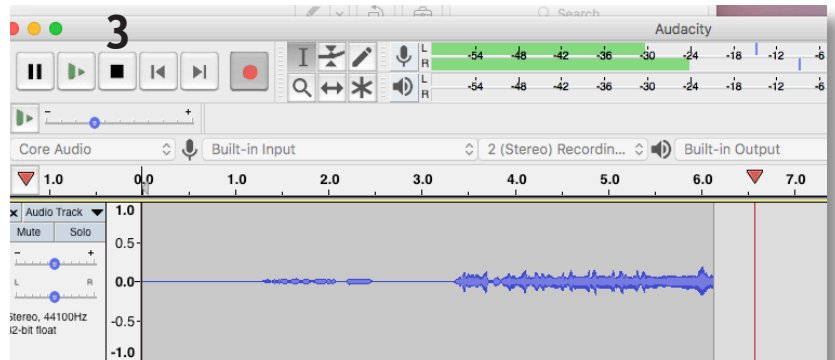
If you wish to continue recording in the same track after pressing **Stop**, you can press the **Record** button again and continue.

Having completed the recording, you are now ready to save it as an audio file.

Go to the top menu and choose File>Export.

Several options are available, but saving it as a WAV file is the best one to choose if you plan on editing it.

A WAV file is pretty large, which is helpful to work with in post production. If you are looking for a smaller size file for immediate upload or sharing, MP3 would work well.

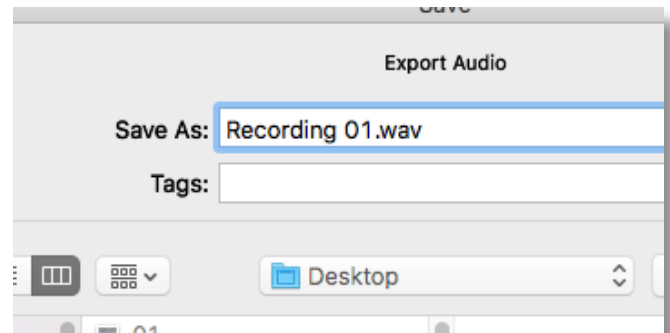


Recording Sound in the VAC Studio 106 Sound Booth

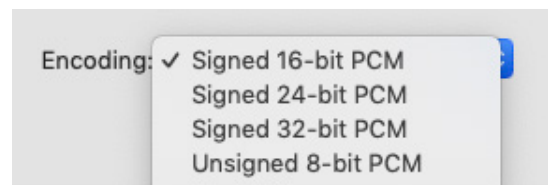


In the next window that opens, give a name to your recording in the “Save As” window, and using the pull-down menu choose a location to save your file to.

You can save it to the Desktop for now, but if you are connected to an external hard drive or a workspace on a server, it would save a step to save it directly there.



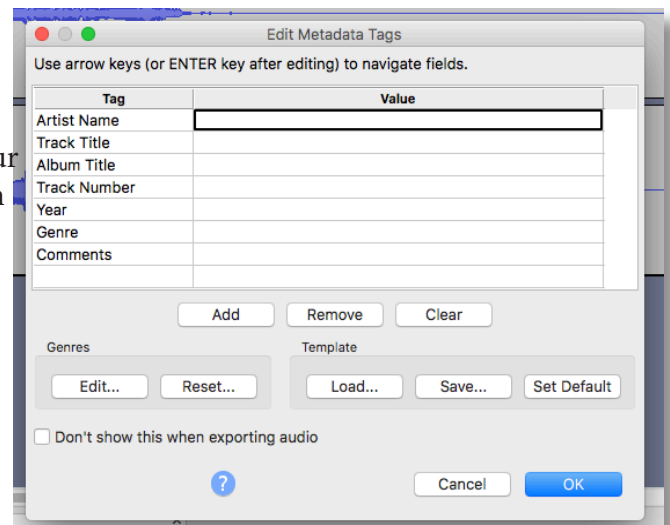
In the Encoding “File Type” pull-down menu, you can select a bit depth for your recording. The default is 16-bit, which for almost every instance is fine. If you want a better quality version, you can choose 24-bit.



When you have finished your selections, click on the “Save” button at the bottom right of the window.

The “Edit Metadata Tags” window will open.

Here, you can enter specific metadata information for your recording. For most cases this is not necessary, so you can skip this and press the “OK” button at the bottom right.



Your audio file will now be saved to the location you had selected.

If you did save it to the desktop, then now you can drag it to your external hard drive, to your workspace on the NEXIS server, or upload it (to a google drive, for example).

Having done that, drag the file from the desktop into the trash and delete it, leaving the desktop clear for the next session. Quit out of Audacity.

Also, turn off the Rode K2 power supply, and make sure you’ve left the Studio 106 Sound Booth clean.



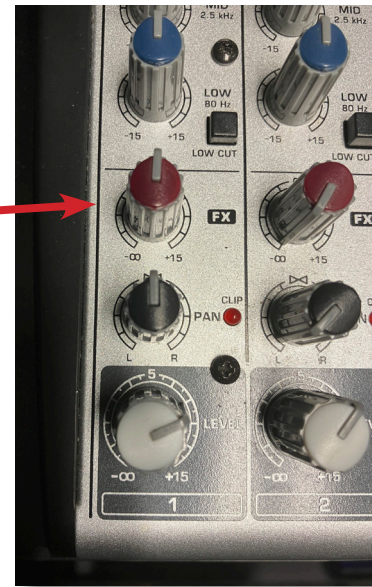
Using the Eurorack UB1202FX Mixer with effects

The Eurorack Mixer can help you fine tune the quality of your recording with its Trim and EQ (High, Mid and Low) controls. It also has 99 effects you can incorporate into your recordings.

On this page we will review how to select and control the levels of the various effects.

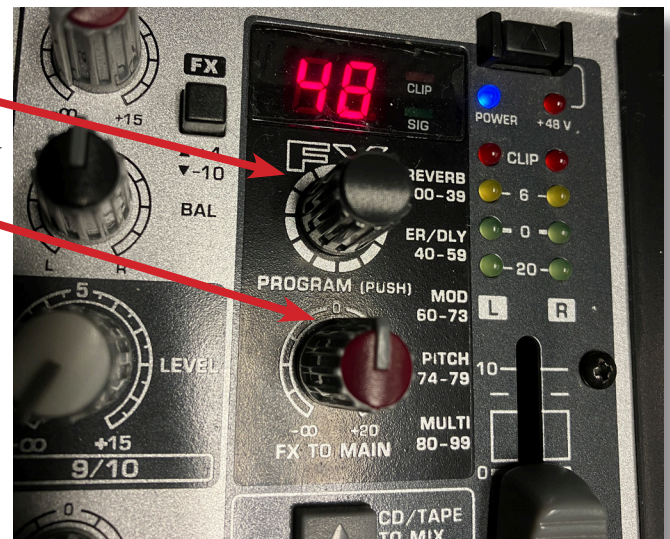
In this tutorial's example, the Rode K2 microphone is plugged into Channel 1.

Intensity control of the effects are by way of the red FX dial at the bottom of the channel controls.



To select an effect, choose a number by dialing the black **Program Dial**, located just to the left of the Main Mix lever. When you have arrived at the effect number you want, press the button in to select it.

You can further control the level of the effect with the red **FX To Main** dial, just below the **Program Dial**.



You can find a list of the Eurorack effects and their corresponding program numbers on the next page.

The full Eurorack UB1202FX Manual can be found at https://www.strumentimusicali.net/manuali/BEH-RINGER_UB1002FX_UB1202FX_ENG.pdf

No.	EFFECT	Description	No.	EFFECT	Description
HALL 00-09			DELAY 50-59		
00	SMALL HALL 1	approx. 1.0s reverb decay	50	SHORT DELAY 1	Like a short shattering
01	SMALL HALL 2	approx. 1.2s reverb decay	51	SHORT DELAY 2	1-2 short impulse(s)
02	SMALL HALL 3	approx. 1.5s reverb decay	52	SHORT DELAY 3	1-2 short impulse(s)
03	MID HALL 1	approx. 1.8s reverb decay	53	MID DELAY 1	Classical Delay for up-tempo music (115-125 BPM)
04	MID HALL 2	approx. 2.0s reverb decay	54	MID DELAY 2	Classical Delay for mid-tempo music (105-115 BPM)
05	MID HALL 3	approx. 2.5s reverb decay	55	MID DELAY 3	Classical Delay for slow-tempo music (95-105 BPM)
06	BIG HALL 1	approx. 2.8s reverb decay	56	LONG DELAY 1	Classical Delay for reggae-tempo music (85-95 BPM)
07	BIG HALL 2	approx. 3.2s reverb decay	57	LONG DELAY 2	Classical Delay for dub-tempo music (75-85 BPM)
08	BIG HALL 3	approx. 4s reverb decay	58	LONG DELAY 3	Extra long (nearly infinite) delay effect
09	CHURCH	approx. 7s reverb decay	59	LONG ECHO	Extra long canyon echo effect
ROOM 10-19			CHORUS 60-69		
10	SMALL ROOM 1	approx. 0.5s reverb decay	60	SOFT CHORUS 1	Unobtrusive effect
11	SMALL ROOM 2	approx. 0.8s reverb decay	61	SOFT CHORUS 2	Unobtrusive effect with different color
12	SMALL ROOM 3	approx. 1.0s reverb decay	62	WARM CHORUS 1	Analog sounding
13	MID ROOM 1	approx. 1.2s reverb decay	63	WARM CHORUS 2	Analog sounding with different color
14	MID ROOM 2	approx. 1.5s reverb decay	64	PHAT CHORUS 1	Pronounced chorus effect
15	MID ROOM 3	approx. 1.8s reverb decay	65	PHAT CHORUS 2	Pronounced chorus effect with different color
16	BIG ROOM 1	approx. 2.0s reverb decay	66	CLASSIC FLANGER	Standard flanger effect
17	BIG ROOM 2	approx. 2.2s reverb decay	67	WARM FLANGER	More analog touch
18	BIG ROOM 3	approx. 2.5s reverb decay	68	DEEP FLANGER	Deep modulation impression
19	CHAPEL	approx. 3s reverb decay	69	HEAVY FLANGER	Extremely pronounced effect
PLATE 20-29			PHASE/PITCH 70-79		
20	SHORT PLATE	approx. 1.0s reverb decay	70	CLASSIC PHASER	Standard phaser effect
21	MID PLATE	approx. 1.5s reverb decay	71	WARM PHASER	More analog touch
22	LONG PLATE	approx. 2.2s reverb decay	72	DEEP PHASER	Deep modulation impression
23	VOCAL PLATE	approx. 1.2s reverb decay	73	HEAVY PHASER	Extreme strong effect
24	DRUMS PLATE	approx. 1.0s reverb decay	74	PITCH SHIFT DETUNE	2-3-times detune for a wider solo voice sound
25	GOLD PLATE 1	approx. 1.2s reverb decay	75	PITCH SHIFT +3	Minor third added voice
26	GOLD PLATE 2	approx. 2.0s reverb decay	76	PITCH SHIFT +4	Major third added voice
27	SHORT SPRING	approx. 1.0s reverb decay	77	PITCH SHIFT +7	Quint above added voice
28	MID SPRING	approx. 2.0s reverb decay	78	PITCH SHIFT -5	Fourth down added voice
29	LONG SPRING	approx. 2.5s reverb decay	79	PITCH SHIFT -12	1 octave down added voice
GATED/REVERSE 30-39			MULTI 1 80-89		
30	GATED REV SHORT	approx. 0.8s gate time	80	CHORUS + REVERB 1	Soft chorus + medium-short reverb
31	GATED REV MID	approx. 1.2s gate time	81	CHORUS + REVERB 2	Deep chorus + medium-long reverb
32	GATED REV LONG	approx. 2.0s gate time	82	FLANGER + REVERB 1	Soft flanger + medium-short reverb
33	GATED REV XXL	approx. 3.0s gate time	83	FLANGER + REVERB 2	Deep flanger + medium-long reverb
34	GATED REV DRUMS 1	approx. 0.8s gate time	84	PHASER + REVERB 1	Soft phaser + medium-short reverb
35	GATED REV DRUMS 2	approx. 1.2s gate time	85	PHASER + REVERB 2	Deep phaser + medium-long reverb
36	REVERSE SHORT	approx. 0.8s reverb raise	86	PITCH + REVERB 1	Soft voice detuning + medium-short reverb
37	REVERSE MID	approx. 1.2s reverb raise	87	PITCH + REVERB 2	Fourth above interval + medium-long reverb
38	REVERSE LONG	approx. 2.0s reverb raise	88	DELAY + REVERB 1	Short delay + medium-short reverb
39	REVERSE XXL	approx. 3.0s reverb raise	89	DELAY + REVERB 2	Medium-long delay + medium-long reverb
EARLY REFLECTIONS 40-49			MULTI 2 90-99		
40	EARLY REFLECTION 1	Short	90	DELAY + GATED REV	Short delay + medium-long gated reverb
41	EARLY REFLECTION 2	Medium-short	91	DELAY + REVERSE	medium-short delay + medium-long reverse reverb
42	EARLY REFLECTION 3	Medium-long	92	DELAY + CHORUS 1	Short delay + soft chorus
43	EARLY REFLECTION 4	Long	93	DELAY + CHORUS 2	Medium-long delay + deep chorus
44	SHORT AMBIENCE	Short	94	DELAY + FLANGER 1	Short delay + soft flanger
45	MID AMBIENCE	Medium-short	95	DELAY + FLANGER 2	Medium-long delay + deep flanger
46	LIVE AMBIENCE	Medium-short	96	DELAY + PHASER 1	Short delay + soft phaser
47	BIG AMBIENCE	Medium-long	97	DELAY + PHASER 2	Medium-long delay + deep phaser
48	STADIUM	Long	98	DELAY + PITCH 1	Short delay + fourth down interval
49	GHOST AMBIENCE	Extra-long special FX	99	DELAY + PITCH 2	Medium-long delay + minor third above interval