

Vinyl and Cassette Audio Conversion



Introduction: The Maker Studio has two ways to capture older audio formats. Our Audio Technica turntable can convert vinyl records to a digital format while our cassette converter does the same for audio cassettes. Both items use the same software to complete this process.

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General Information

Parts of the machine

Turntable



Cassette



Operating the players

Operating the turn table

1. Open the lid to the turntable.



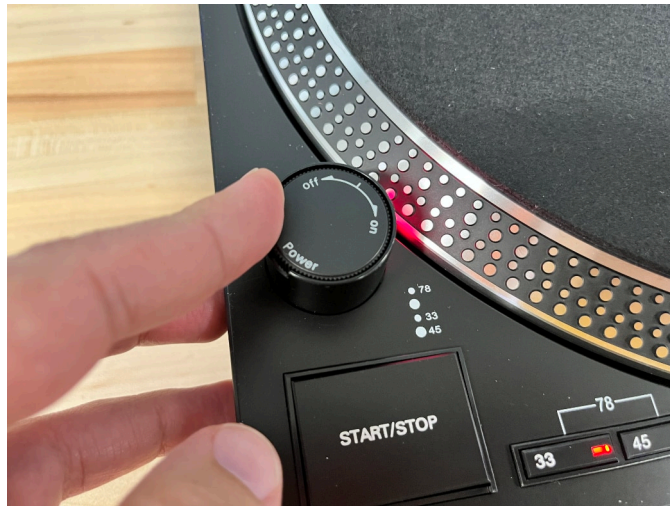
- a. If using a smaller record with the larger center hole, take the adapter out of the back corner and place it over the pin in the center of the turntable.



2. Then place your record on the turntable.



3. Turn the switch to ON.



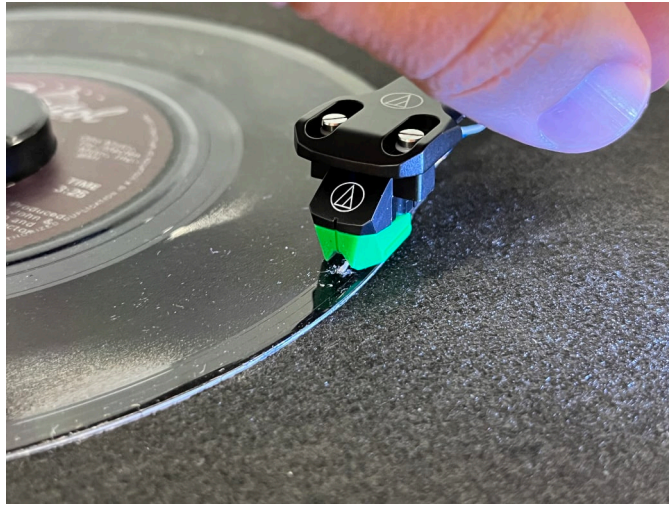
4. Unlock the arm.



5. Remove the cover to the needle.



6. Gently place the needle in the outer groove of the record.



7. Set the speed control based on the record you're using. To use a 78 press both buttons.



8. When the software is ready to record, press the Start/Stop button to start the record.



Operating the cassette player

1. Open the door using the slider on the side beside the audio cable.



2. Place your tape into the tape deck.



3. Close the lid to the recorder.



4. Ensure the volume is set to the maximum level.



5. Rewind the tape to the beginning to ensure to record the entire tape.



6. When the software is ready to record your audio, press Play to begin playing the tape.



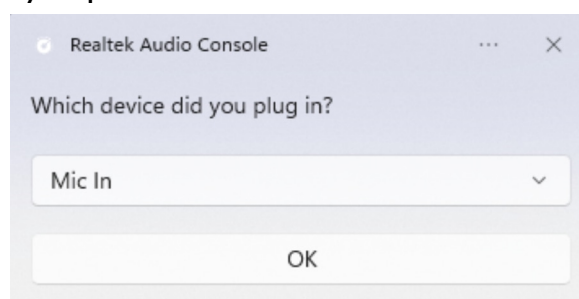
7. Press Stop when you wish to stop the tape.



8. Take the green ended cable out of the computer and plug it back in.



9. In the bottom right corner of the screen, you should see a pop up asking you how you want to use the cable you just inserted. Choose "Mic In" from the drop down.



Using Audacity

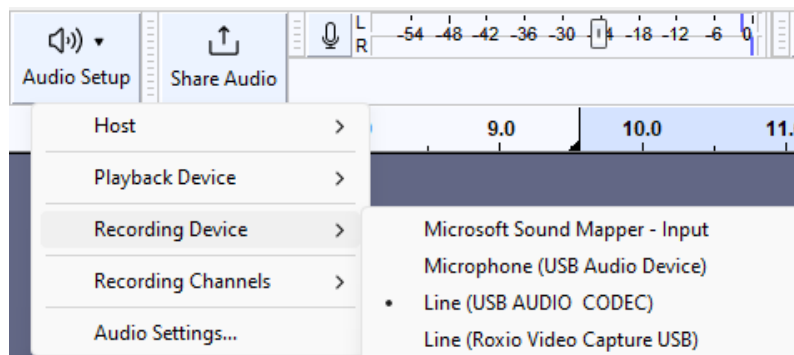
To record audio we use Audacity. Both audio inputs work with Audacity and the process will be described once with comments noting differences between the two players as they arise.

Recording audio

1. Open Audacity using the shortcut on the desktop. A blank new project will open when the program loads.



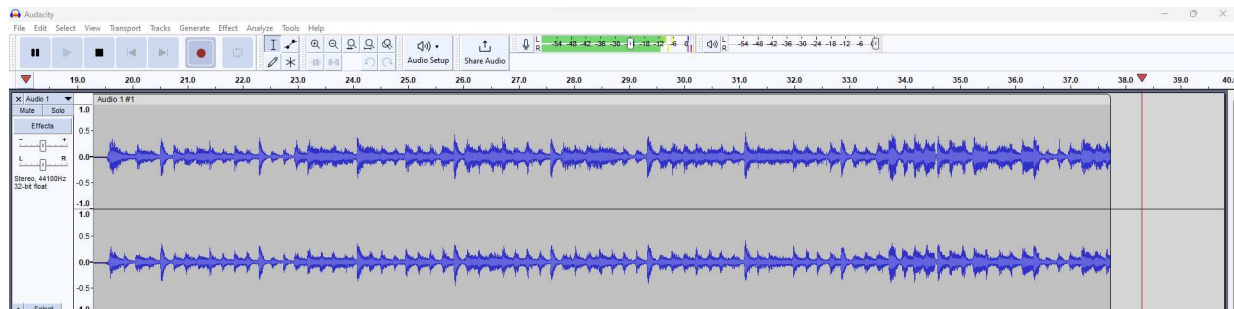
2. On the top toolbar you'll need to set your audio based on the equipment you're recording from. Under Audio Setup you'll see Recording Device.



- a. If using the Turntable set it to **"LINE (USB AUDIO CODEC)."**
 - b. If using the cassette set it to **"Microsoft Sound Mapper - Input."**
3. Press the red record button in Audacity and then press start/play on your audio device.



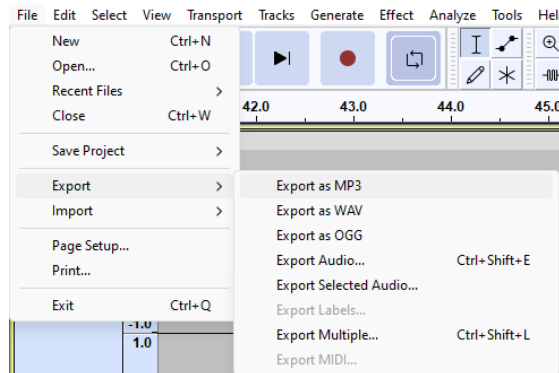
4. You won't hear any audio playing, but if the audio is correctly coming through, you should see blue waveforms appear on the screen. If you see these, the audio is recording. If you do not see the waveforms, ensure you have the correct recording device selected. If they still don't appear, ensure the volume is turned up sufficiently to capture the audio.



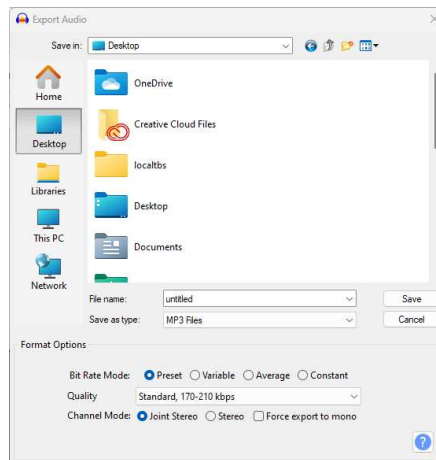
- a. Note, sometimes the batteries in the player are low or dead. In this case, replacing the batteries will help with this. See later in the guide on replacing batteries.
5. When you have recorded what you wish, press stop on Audacity and Stop on your audio device as well.



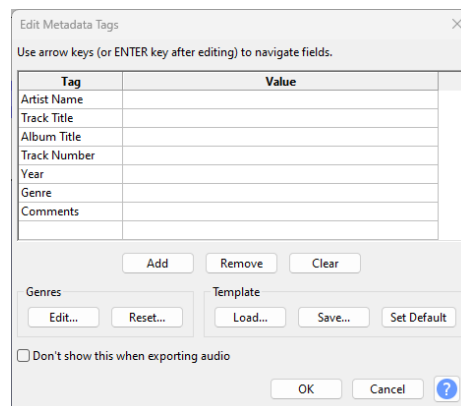
6. You can save your project in an Audacity project file which is useful if you would like to continue working with this file in the future.
7. If you are ready to finish this project you can choose “File > Export > Export as MP3.” You can also export as WAV or OGG if you prefer, but MP3 will likely be the most commonly used export type.



8. The software will ask you where you wish to save your file. You can save it to the Desktop or straight to your portable device, whichever works for you.



- a. Note if you save it to the computer itself, you will still need to transfer it to some other storage solution in order to keep the file after the computer restarts.
9. You will be then asked to add metadata tags such as Artist, Year, Genre, etc. This is optional and can be filled out as fully or as little as you desire. When you've done as much as you wish, press OK to export the file.



For Staff Use

Replacing batteries in the cassette

1. Open the door on the side of the cassette player.
2. There is a small door on the inside that opens to reveal the battery slot.
3. Remove the batteries from the player.
4. These batteries go into the charger. The charger is kept in the Staff Only cabinet when not in use.
5. Take new rechargeable batteries and put them back into the player.
6. Close the small door, and then close the player.