



How to sync two audio files using Audacity



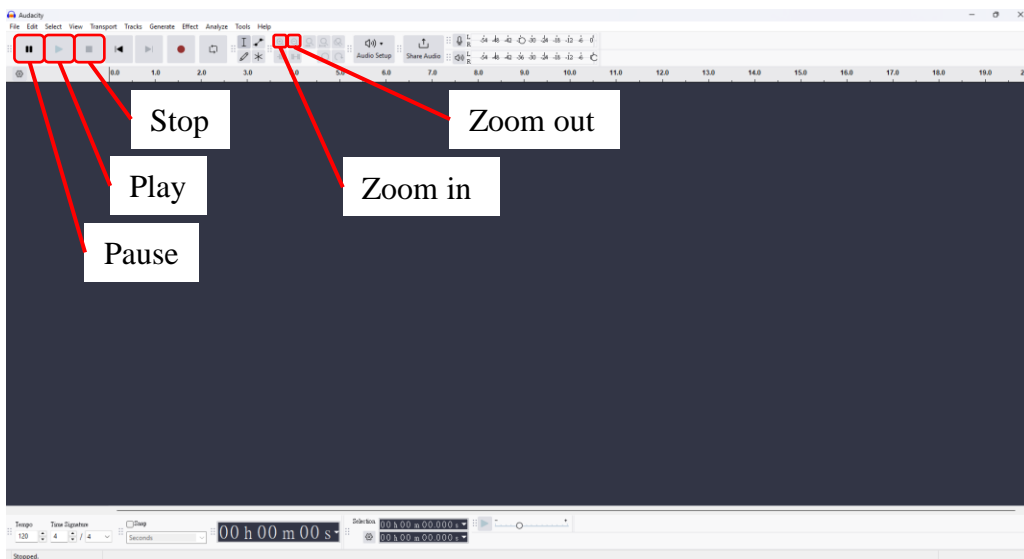
Aim: Sync the “rec” file with the “sbr” file.

Prerequisite:

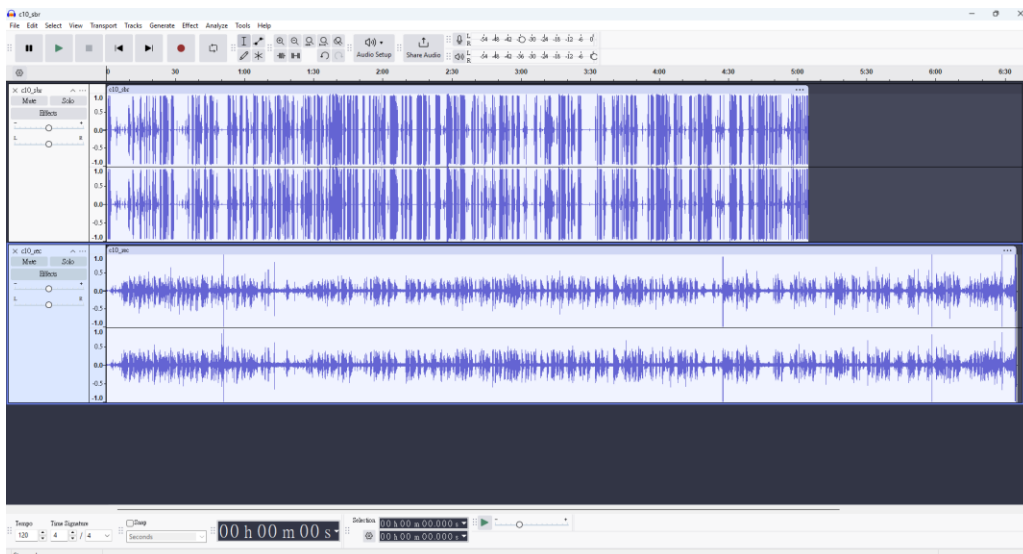
- Download and install Audacity: <https://www.audacityteam.org/download/windows/>

Steps:

1. Start Audacity.



2. Add the audio files either by dragging them into Audacity or selecting them through [File -> Open -> “the file”].



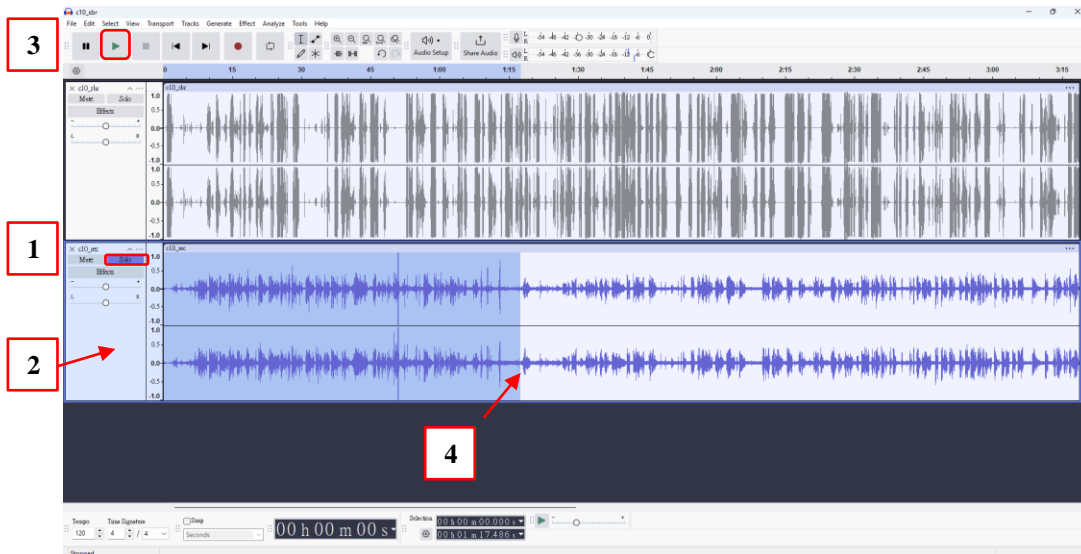


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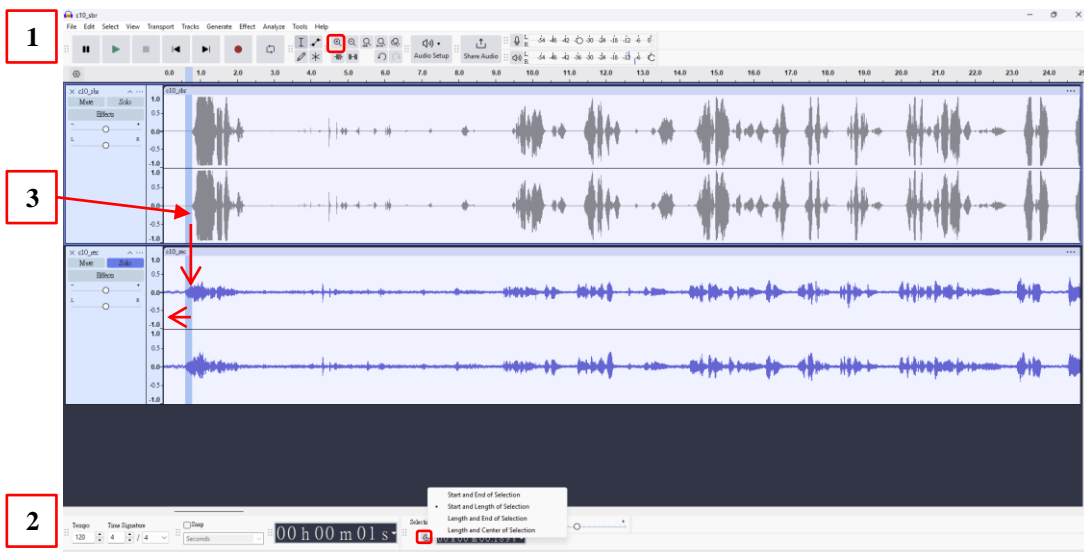
3. Remove unnecessary sentences in “rec” (see figure below).

- (1) Mute the “rec” track by clicking on “solo”.
- (2) Select the “rec” track by clicking on the empty space.
- (3) Play the “rec” track till you hear the sentence that says “现在开始”. Pause it.
- (4) Identify the start of this sentence. Highlight the track before this sentence.
- (5) Press “delete” on the keyboard to remove this part.



4. Sync the two tracks (see figure below).

- (1) Zoom in several times till you can see the difference in timing between the two tracks.
- (2) Check whether audacity shows the duration of selection.
- (3) Get the difference between “sbr” and “rec”. Start from the first sentence of “sbr”. Drag the cursor down (or up, depending on the order of the tracks) to “rec”. Continue dragging the cursor to the start of the first sentence of “rec”.





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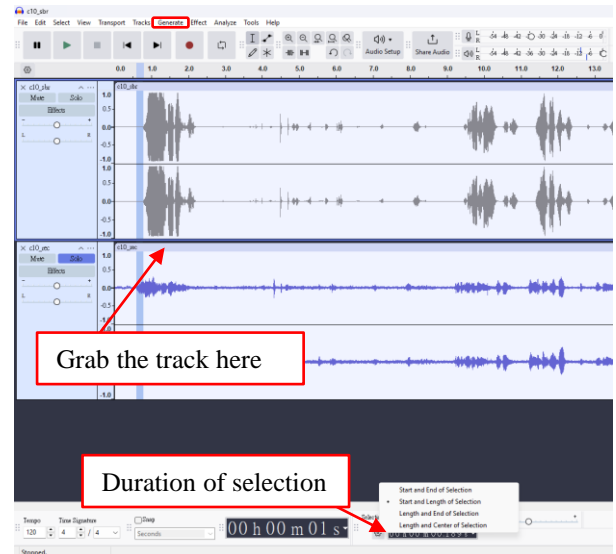
5. Take note of the duration of selection. If “rec” started after “sbr”, go to Step 7. Otherwise, go to Step 8.

6. “rec” after “sbr”

Move the cursor to the start of “rec”.
Enter the duration of selection shown earlier. Press “delete” on the keyboard.

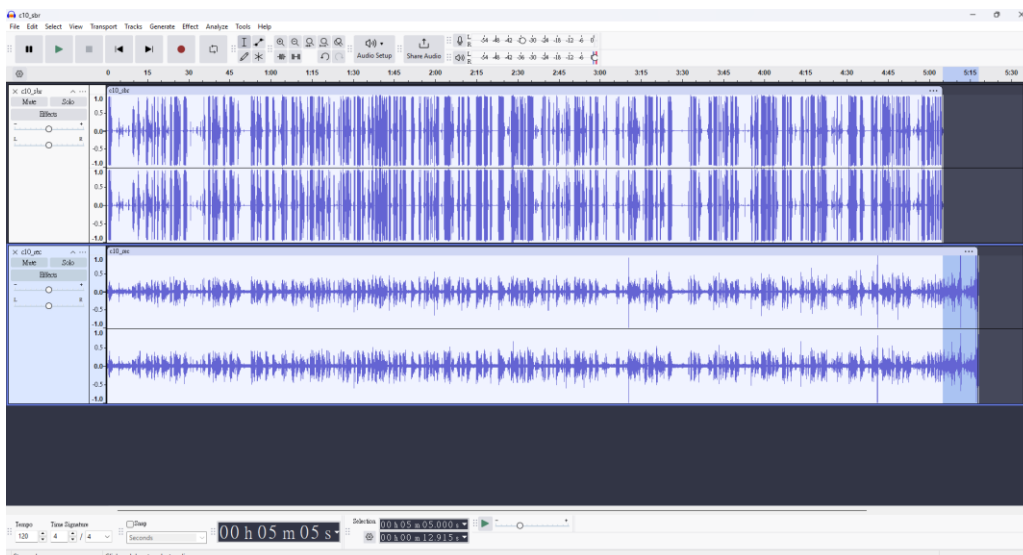
7. “rec” before “sbr”

- (1) Move “rec” to the right (the cursor should turn into a “hand” so that you can grab and move the track).
- (2) Place your cursor on the empty space.
- (3) Go to [Generate -> silence -> enter the duration]
- (4) Arrange the silence chunk and “rec” properly (i.e., side-by-side without any empty space).



8. Click on “solo” of “rec” again to unmute “sbr”. Then click on “play” and listen to see if both tracks are synchronous. If not, repeat steps 5 to 8.

9. If the “rec” track has any additional chunk of recording, highlight and remove it.

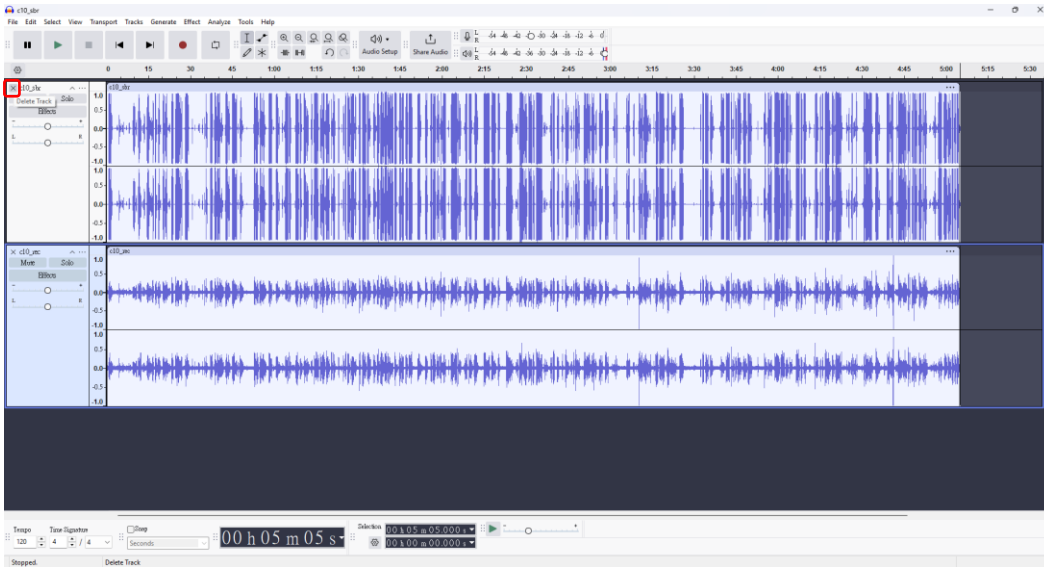




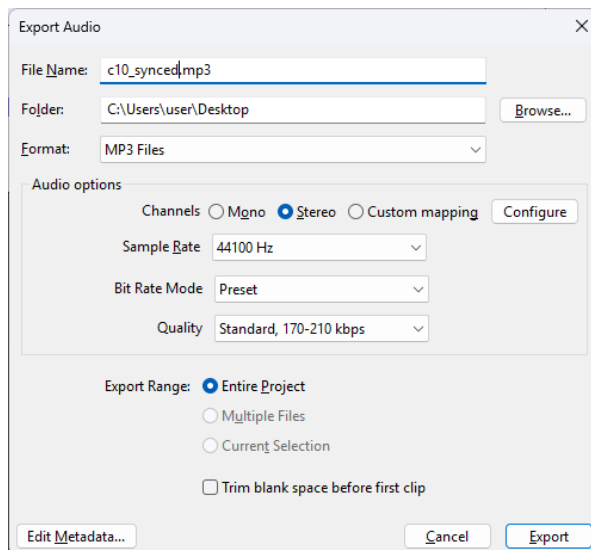
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10. Finally, remove “sbr”.



11. Export “rec” as “synced.mp3”. To do so, either press “CTRL+SHIFT+E” on the keyboard, or go to [File -> Export Audio]



12. Done. 😊