Removing Pops, Clicks and Noise with Audacity

Removing Noise

The below procedure will help you remove unwanted noise from your recording.

After recording your album, locate an area in the recording where no music is playing. This would be at the beginning of the recording just before a song starts, between songs or just after the last song. This is easily identified by looking for a place in the wave form where there is very little up and down movement. This area contains the noise that was recorded and includes the sound of the stylus in the groove, scratches and any internal computer noise.
Press and hold your **left mouse button** and place the cursor at the beginning of the noise area. While holding the **left mouse button**, drag the cursor to right and stop just before the cursor reaches the beginning of a song. Release the **left mouse button**. *Note that the area is now highlighted.*
Using your mouse select **Noise Removal** from the **Effect** drop down menu.
You should see a window similar to the following:

Select the **Get Noise Profile** button.
Left click with your mouse the grey area in front of the wave form. Please not that the entire wave form is selected.
Using your mouse select **Noise Removal** from the **Effect** drop down menu.
Note that the “fader” on Step 2 is set half way up. Moving the fader toward More will remove more of the noise that you sampled in the previous step and moving the fader toward Less will remove less. Moving the fader too far toward the More side could actually effect the tonal quality of the recording. Select the Preview button to hear a sample of the noise removal. You can then adjust the fader and preview again until you have the level of removal that you want. Select the Remove Noise to apply the filter to the entire recording.
A status window will open advising of the status of the noise removal. When this is complete, play a portion of the recording to ensure the noise removal is acceptable.

Note: If you are not satisfied and want to start over select **Edit** and **Undo Noise Removal**. You may then start over.
Once you are satisfied with the noise removal select **File** and **Save Project** to save the changes.
**Remove clicks**

The below procedure will help you remove unwanted noise from your recording.

After recording your album, left click with your mouse the grey area in front of the wave form. Please note that the entire wave form is selected.
Select **Effect** and the select **Click Removal**.
The above widow will open. Note that here are two faders. The **Threshold fader** adjusts how loud a click or pop must be before it is removed. Moving the fader to the left allows for very soft or small clicks to be removed. The **Max spike width** fader adjusts how long in duration the click or pop must be before it is removed. Moving the fader to the right allows for very short in duration clicks and pops to be removed. Please note that setting either or both of these faders too sensitive can alter the tonal quality of the recording. Select the Preview button to hear a short sample of the recording using your current fader settings. When you are satisfied with your settings select the **Remove clicks** button.
A status window will open advising of the status of the click removal. When this is complete, play a portion of the recording to ensure the click removal is acceptable.

Note: If you are not satisfied and want to start over select Edit and Undo Click Removal. You may then start over.
Once you are satisfied with the noise removal select **File** and **Save Project** to save the changes.