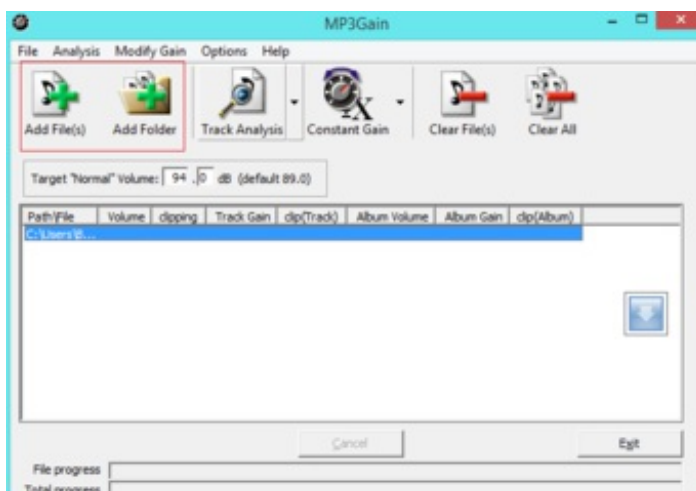# MP3Gain - Normalize audio tracks without clipping

October 2014

MP3Gain - Normalize audio tracks without clipping

How to fix inconsistent volume levels between music tracks or fix distorted audio. Download and install: MP3Gain

- Load your music files.
- Set the **Target "Normal" volume** to 94dB.
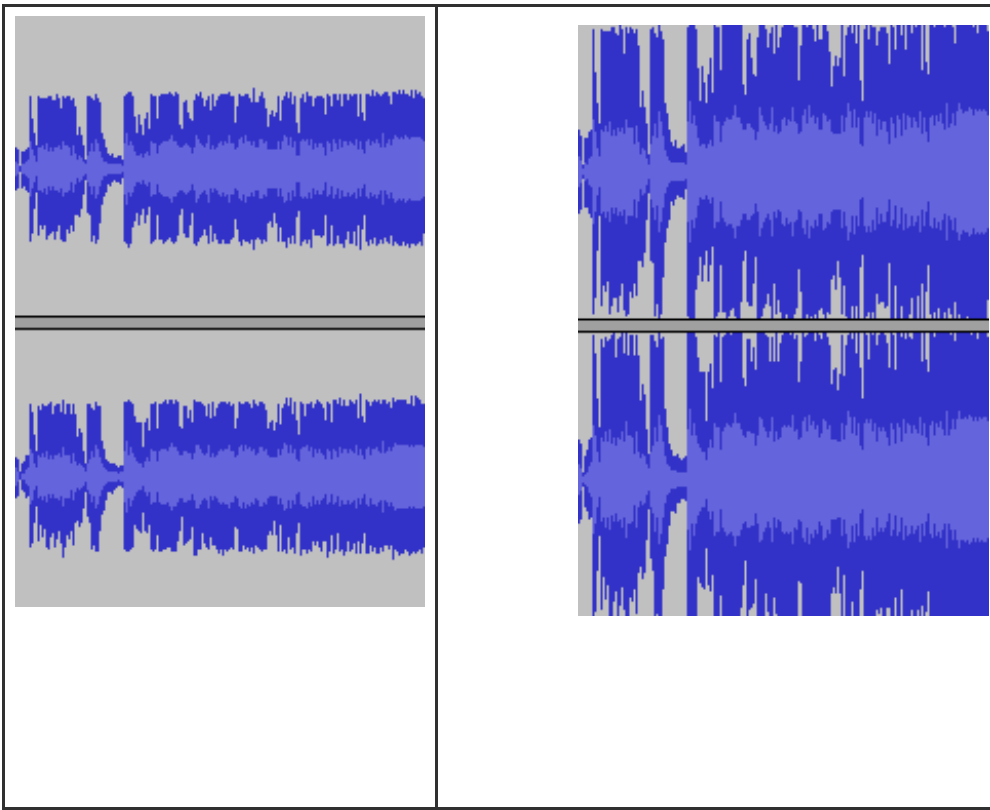- Click on **Track Analysis**.

Remove distortion from your audio tracks

Clipping may sometimes result in a lower quality music (often unpleasant to listen). How to avoid it.

- Applying gains without clipping: Try to reduce the gain applied to audio tracks containing distortions by 1-4 levels.

(93,7dB) Stable Gain	(99,7dB) Distortion, Clipping required

- If the volume of a music track is too low, try to raise it to the "Normal" volume (Volume +/- 94dB).
- In some situations, lowering the volume level of a music track will remove distortions from the latter (no clipping).

Sort tracks by highest volume

- Once the scan is complete, click the **Volume** tab.
- The track with the highest volume will be listed at the top. It is easier to proceed this way.

Tracks requiring clipping will have a red Y displayed in the Clipping column. Start by removing tracks that don't require clipping and having a track gain of 0.0

Select the music tracks you want to normalize

PS: Do not select the tracks that require clipping. We'll deal with them later!

- While holding the CTRL key down, select the music tracks.
- Right click> Apply track gain

- Once you have applied the gain you can remove these files from the list.

- Now we need to work on the files requiring clipping.
- We will first reduce the **Target "Normal" volume** to 93dB.
- Remove tracks already at 93db and requiring no clipping.
- Select the rest of the tracks and click on **Track Gain**.

Note that:

- You can try lower the volume level if required (-3.0 from the target normal volume)
- Tracks with a volume lower than 90dB (requiring clipping) are normally of bad quality.