Title: Digital Audio

Islam AbuKhalaf
Ali Sulieman

Multimedia Systems Department
Alzaytoonah Private University Of Jordan
Amman, Jordan

Abstract

A digital audio editor is a computer application for audio editing. Digital audio editors are the main software component of a digital audio workstation.

Editors designed for use with music typically allow the user to do the following:

1- Record audio from one or more inputs and store recordings in the computer's memory as digital audio.
2- Edit the start time, stop time, and duration of any sound on the audio timeline.
3- Fade into or out of a clip (e.g. an S-fade out during applause after a performance), or between clips (e.g. crossfading between takes).
4- Mix multiple sound sources/tracks, combine them at various volume levels and pan from channel to channel to one or more output tracks.
5- Apply simple or advanced effects or filters, including compression, expansion, flanging, reverb, audio noise reduction and equalization to change the audio.

6- Playback sound (often after being mixed) that can be sent to one or more outputs, such as speakers, additional processors, or a recording medium.

7- Conversion between different audio file formats, or between different sound quality levels.

8- Design surround sound tracks and 3-D audio files.

Show Some Students' Projects