Audio Compositor 2.0

Introduction

Audio Compositor is software for realizing MIDI data as digital audio. When the input comes from a standard MIDI file, Audio Compositor can realize it as a Windows .WAV file; if your processor is fast enough it can also play the MIDI file in real time. When the input is a MIDI keyboard attached to your computer, Audio Compositor behaves like a normal sound module, though its capabilities will again be limited by the speed of your processor. Audio Compositor also provides a graphical environment for editing samples and patches.

Audio Compositor runs on Windows 95, and on Windows NT 3.51 or above. This version does not work on Win32s, though an earlier version that did is still available from the web site at this writing.

Version 2.0 of Audio Compositor is shareware; please consider registering it. Registration unlocks certain features of the program that are absent from the unregistered version. For details, see "Register Audio Compositor..." on the Help menu. In its unregistered state, Audio Compositor may be freely distributed so long as the program and all supporting files are retained and unmodified.

While Audio Compositor is fully documented in **AC.HLP**, you can set up the program quickly by following the directions below. The distribution includes a set of classical guitar samples and a MIDI file with which you can do a test run. Please note that these demonstration files were chosen for their small size and not for their quality!

Questions, suggestions, and bug reports may be directed to **mitchell@eden.com** (Scott Mitchell). See also the Audio Compositor Home Page:

```
http://www.eden.com/~mitchell
```

Installing Audio Compositor

There is no "setup" program for Audio Compositor; simply unzip the distribution into a directory of your choice. If you unzip with the directory structure intact, there is nothing more to do; otherwise you must move the guitar samples to a subdirectory called Samples\Guitar under the directory where the program is installed. For example, if you placed the files in

```
d:\Dubious-looking-software\Ac
```

then the twelve guitar samples should be placed in

```
d:\Dubious-looking-software\Ac\Samples\Guitar
```

If you set up an icon or shortcut to start Ac.exe, set the working directory (the "Start in" field under Win95) to be the directory where Ac.exe is located.

To deinstall Audio Compositor, delete the files that came with the installation, plus Ac.ini in your Windows directory.

The *Leyenda* Example

Audio Compositor comes with one MIDI file, an abbreviated version of Isaac Albéniz's "Leyenda" that is prepared to work with the included guitar samples. To try it:

1. Run Audio Compositor (Ac.exe), choose **Open Midi File...** from the **File** menu, and open **Leyenda.mid**.

2. From the **Edit** menu, choose **Settings**.

3. Move to the **Constants** tab in the Setup dialog. Confirm that **Output Sample Rate** is set to 22050 (this is the highest rate that the unregistered version supports.) Be sure that **Stereo Output** is not checked (if you have a Pentium or faster CPU, this precaution is probably not needed, but the guitar samples are monophonic anyway). **Attenuation** should be set to 12 dB for this file.

4. Click **OK** to dismiss the Setup dialog.

5. Be sure that the the **Audible** button (the loudspeaker icon) is depressed; this turns on real-time output.

6. Click the **Go** button.

If you hear gaps in the playback, Audio Compositor is not running fast enough to create its output in real time. This won't affect its ability to produce good .WAV file output. To create an output file, repeat the steps above but specify an **Output File Name** under the **Files** tab of the Setup dialog (you will need about 5 megs of disk space).

Note: In the *Leyenda* example, you will hear some hesitation after each of the strummed chords later in the piece. Guitarists generally don't try to play this passage in strict time, and the MIDI file contains tempo changes meant to approximate the usual practice. It's not a symptom of any timing inaccuracy in Audio Compositor.

Warranty Disclaimer

THIS SOFTWARE AND THE ACCOMPANYING FILES ARE PROVIDED "AS IS" AND WITHOUT ANY WARRANTIES WHETHER EXPRESSED OR IMPLIED. THE USER MUST ASSUME THE ENTIRE RISK OF USING THIS PROGRAM. ANY LIABILITY OF THE SELLER WILL BE LIMITED EXCLUSIVELY TO REPLACEMENT OF THE PRODUCT OR REFUND OF PURCHASE PRICE.