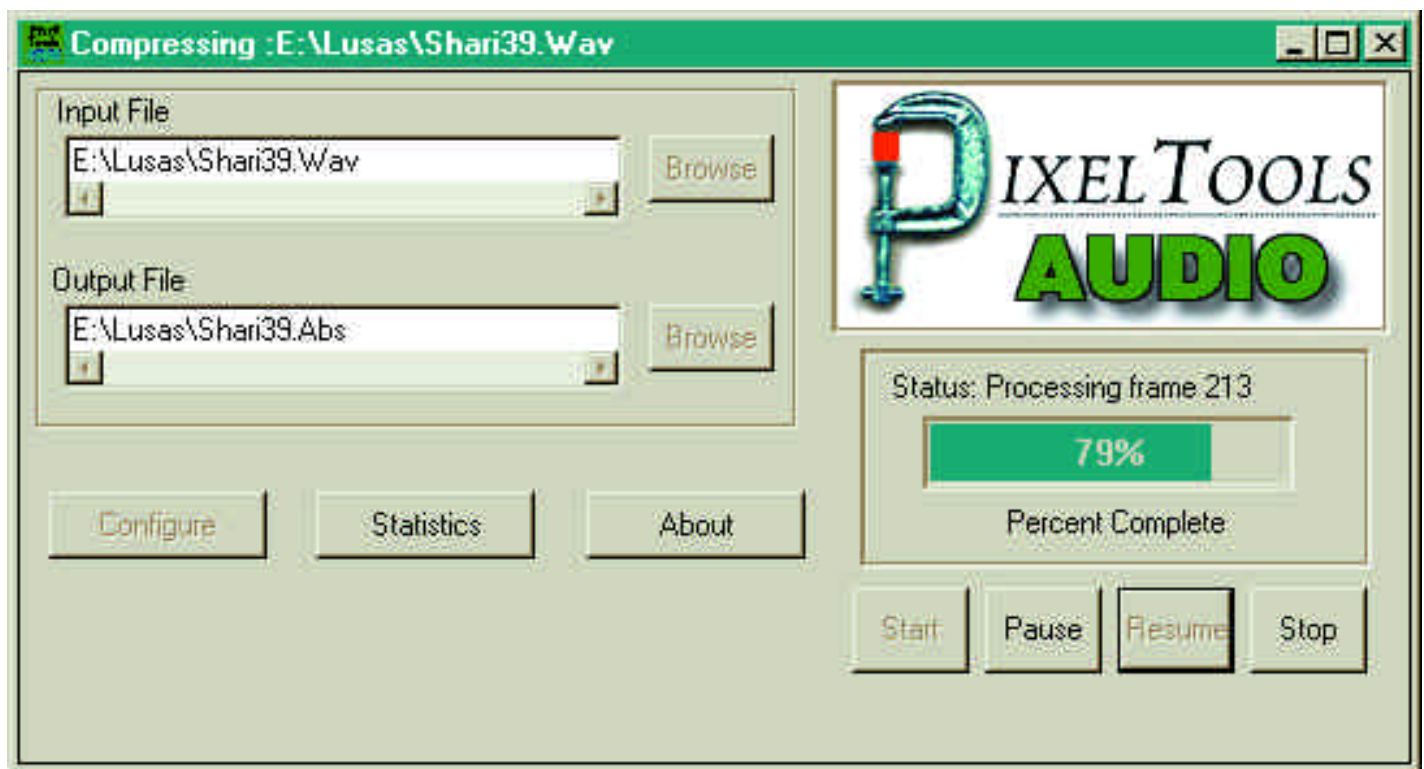


# Expert Audio™

## MPEG encoder and decoder

Expert Audio is a windows oriented application that compresses audio bit streams from popular digitizers into MPEG-1 or MPEG-2 bit streams. Expert Audio also decompresses MPEG streams into digitized samples. Expert Audio runs on Windows 98, Windows 2000, Windows NT, Mac OS and SGI IRIX platforms.

Expert Audio includes a comprehensive set of user adjustable encoding parameters to provide the highest quality audio encoding for all audio bit streams. Expert Audio displays detailed encoding statistics during encoding. Transcoding strategies developed in daily use can be saved to run routine encoding or decoding jobs in batch mode. Additional functionality available upon request.



### The Expert Audio Encoder/Decoder:

Accepts digitized data in AVI, PCM and WAV file formats

Input sample frequencies of 11.025, 22.5, 32, 44.1 or 48KHz

Complete set of user encoding control parameters

Produces ISO-11172-3 compliant MPEG-1 and ISO-13818-3 compliant MPEG-2 audio streams

Encodes in Layer1, Layer2, or Layer3 (Mp3)

Companion products provide MPEG-1 and MPEG-2 video encoding and stream multiplexing

Batch mode provided for large groups of files and inter-operation with companion products

Decodes MPEG audio files into wav or PCM digital file format

Expert Audio libraries for PC, Mac, and Unix are available



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[www.pixeltools.com](http://www.pixeltools.com)

Expert Audio produces MPEG-1 and MPEG-2 compliant audio bit streams using Layer1, Layer2, or Layer3 (Mp3) encoding. Expert Audio also decodes any MPEG compliant audio stream into a WAV or PCM file.

Encoding/decoding strategies are saved in the form of parameter files. Expert Audio can also be run in batch mode utilizing custom parameter files. Batch encoding runs are convenient for processing large groups of files with minimum operator intervention.

The batch mode also provides convenient interoperation among the constellation of PixelTools products. A large group of video and audio files can be encoded and multiplexed or demuxed and decoded with dedicated parameters for each process.

## Specifications:

### Operating Systems:

Runs under Windows 2000, Windows 98, Windows NT, SGI IRIX 6.2, Mac OS 8.5 or higher  
Manages files larger than 2Gbytes under the NTFS and XFS file systems

### Input:

Accepts AVI, PCM and WAV file formats  
Sample frequencies. of 11.025, 22.5, 32, 44.1, and 48Khz  
Performs PCM byte swapping where needed

### Audio Encoding:

Comprehensive set of user selectable parameters:

Layer: Layer 1, Layer 2 or Layer 3 (Mp3)

Level: Level 1 or Level 2

Modes:

Stereo, Joint Stereo,  
Dual Channel, and Mono

Emphasis:

One, 0/15, or CITT j.17

Encoding Flags:

Original/Copy,  
Copy Protection,  
Error Protection,  
Private

### Audio Decoding:

Decodes any MPEG audio file

### Output:

ISO-11172-3 (MPEG-1) or ISO-13818-3 (MPEG-2) audio stream (ABS, MPA, and MPG files)

Output bit rates from 48 to 416 Kbits per second

WAV or PCM or byte swapped PCM in the decode mode

### Statistics

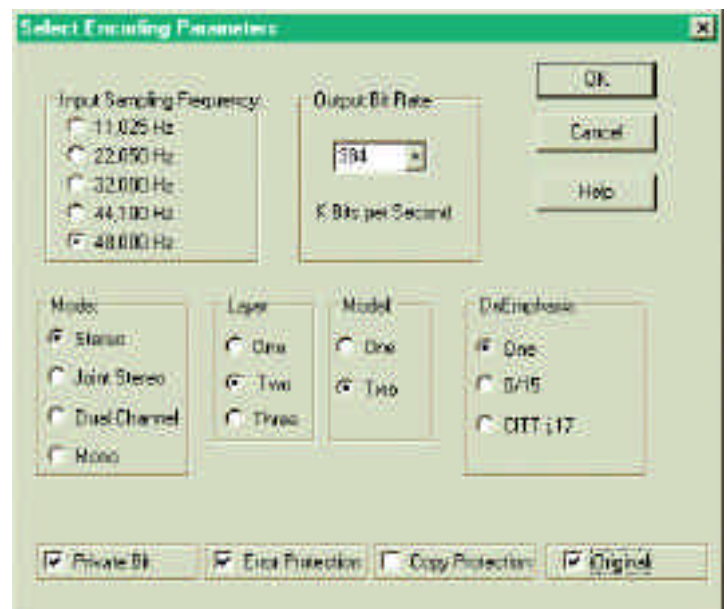
Text window that displays the statistics during the audio encoding.

### User Help Facilities:

On line help with detailed explanation of the audio encoding parameters  
Comprehensive User Manual.

### Specification update:

See PixelTools home page at [www.pixeltools.com](http://www.pixeltools.com) for latest specification update on Expert Audio.



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