|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/javazoom/jl/converter/RiffFile.html)   [**NEXT CLASS**](http://docs.google.com/javazoom/jl/converter/WaveFile.WaveFileSample.html) | [**FRAMES**](http://docs.google.com/index.html?javazoom/jl/converter/WaveFile.html)    [**NO FRAMES**](http://docs.google.com/WaveFile.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

## **javazoom.jl.converter**

Class WaveFile

java.lang.Object  
 [javazoom.jl.converter.RiffFile](http://docs.google.com/javazoom/jl/converter/RiffFile.html)  
 **javazoom.jl.converter.WaveFile**

public class **WaveFile**extends [RiffFile](http://docs.google.com/javazoom/jl/converter/RiffFile.html)

Class allowing WaveFormat Access

|  |  |
| --- | --- |
| **Nested Class Summary** | |
| class | [**WaveFile.WaveFileSample**](http://docs.google.com/javazoom/jl/converter/WaveFile.WaveFileSample.html) |

|  |  |
| --- | --- |
| **Field Summary** | |
| static int | [**MAX\_WAVE\_CHANNELS**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#MAX_WAVE_CHANNELS) |

|  |
| --- |
| **Fields inherited from class javazoom.jl.converter.**[**RiffFile**](http://docs.google.com/javazoom/jl/converter/RiffFile.html) |
| [DDC\_FAILURE](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_FAILURE), [DDC\_FILE\_ERROR](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_FILE_ERROR), [DDC\_INVALID\_CALL](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_INVALID_CALL), [DDC\_INVALID\_FILE](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_INVALID_FILE), [DDC\_OUT\_OF\_MEMORY](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_OUT_OF_MEMORY), [DDC\_SUCCESS](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_SUCCESS), [DDC\_USER\_ABORT](http://docs.google.com/javazoom/jl/converter/RiffFile.html#DDC_USER_ABORT), [file](http://docs.google.com/javazoom/jl/converter/RiffFile.html#file), [fmode](http://docs.google.com/javazoom/jl/converter/RiffFile.html#fmode), [RFM\_READ](http://docs.google.com/javazoom/jl/converter/RiffFile.html#RFM_READ), [RFM\_UNKNOWN](http://docs.google.com/javazoom/jl/converter/RiffFile.html#RFM_UNKNOWN), [RFM\_WRITE](http://docs.google.com/javazoom/jl/converter/RiffFile.html#RFM_WRITE) |

|  |  |
| --- | --- |
| **Constructor Summary** | |
| [**WaveFile**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#WaveFile())()            Constructs a new WaveFile instance. |

|  |  |
| --- | --- |
| **Method Summary** | |
| short | [**BitsPerSample**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#BitsPerSample())() |
| int | [**Close**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#Close())()            Close Riff File. |
| long | [**CurrentFilePosition**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#CurrentFilePosition())()            Return File Position. |
| short | [**NumChannels**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#NumChannels())() |
| int | [**NumSamples**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#NumSamples())() |
| int | [**OpenForWrite**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#OpenForWrite(java.lang.String,%20int,%20short,%20short))(java.lang.String Filename, int SamplingRate, short BitsPerSample, short NumChannels) |
| int | [**OpenForWrite**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#OpenForWrite(java.lang.String,%20javazoom.jl.converter.WaveFile))(java.lang.String Filename, [WaveFile](http://docs.google.com/javazoom/jl/converter/WaveFile.html) OtherWave)            Open for write using another wave file's parameters... |
| int | [**SamplingRate**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#SamplingRate())() |
| int | [**WriteData**](http://docs.google.com/javazoom/jl/converter/WaveFile.html#WriteData(short%5B%5D,%20int))(short[] data, int numData)            Write 16-bit audio |

|  |
| --- |
| **Methods inherited from class javazoom.jl.converter.**[**RiffFile**](http://docs.google.com/javazoom/jl/converter/RiffFile.html) |
| [Backpatch](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Backpatch(long,%20byte%5B%5D,%20int)), [Backpatch](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Backpatch(long,%20javazoom.jl.converter.RiffFile.RiffChunkHeader,%20int)), [CurrentFileMode](http://docs.google.com/javazoom/jl/converter/RiffFile.html#CurrentFileMode()), [Expect](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Expect(java.lang.String,%20int)), [FourCC](http://docs.google.com/javazoom/jl/converter/RiffFile.html#FourCC(java.lang.String)), [Open](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Open(java.lang.String,%20int)), [Read](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Read(byte%5B%5D,%20int)), [Seek](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Seek(long)), [Write](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Write(byte%5B%5D,%20int)), [Write](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Write(int,%20int)), [Write](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Write(javazoom.jl.converter.RiffFile.RiffChunkHeader,%20int)), [Write](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Write(short%5B%5D,%20int)), [Write](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Write(short,%20int)) |

|  |
| --- |
| **Methods inherited from class java.lang.Object** |
| clone, equals, finalize, getClass, hashCode, notify, notifyAll, toString, wait, wait, wait |

|  |
| --- |
| **Field Detail** |

### MAX\_WAVE\_CHANNELS

public static final int **MAX\_WAVE\_CHANNELS**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javazoom.jl.converter.WaveFile.MAX_WAVE_CHANNELS)

|  |
| --- |
| **Constructor Detail** |

### WaveFile

public **WaveFile**()

Constructs a new WaveFile instance.

|  |
| --- |
| **Method Detail** |

### OpenForWrite

public int **OpenForWrite**(java.lang.String Filename,  
 int SamplingRate,  
 short BitsPerSample,  
 short NumChannels)

### WriteData

public int **WriteData**(short[] data,  
 int numData)

Write 16-bit audio

### Close

public int **Close**()

**Description copied from class:** [**RiffFile**](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Close()) Close Riff File. Length is written too.

**Overrides:**[Close](http://docs.google.com/javazoom/jl/converter/RiffFile.html#Close()) in class [RiffFile](http://docs.google.com/javazoom/jl/converter/RiffFile.html)

### SamplingRate

public int **SamplingRate**()

### BitsPerSample

public short **BitsPerSample**()

### NumChannels

public short **NumChannels**()

### NumSamples

public int **NumSamples**()

### OpenForWrite

public int **OpenForWrite**(java.lang.String Filename,  
 [WaveFile](http://docs.google.com/javazoom/jl/converter/WaveFile.html) OtherWave)

Open for write using another wave file's parameters...

### CurrentFilePosition

public long **CurrentFilePosition**()

**Description copied from class:** [**RiffFile**](http://docs.google.com/javazoom/jl/converter/RiffFile.html#CurrentFilePosition()) Return File Position.

**Overrides:**[CurrentFilePosition](http://docs.google.com/javazoom/jl/converter/RiffFile.html#CurrentFilePosition()) in class [RiffFile](http://docs.google.com/javazoom/jl/converter/RiffFile.html)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-all.html) | [**Help**](http://docs.google.com/help-doc.html) | | |  |
| [**PREV CLASS**](http://docs.google.com/javazoom/jl/converter/RiffFile.html)   [**NEXT CLASS**](http://docs.google.com/javazoom/jl/converter/WaveFile.WaveFileSample.html) | [**FRAMES**](http://docs.google.com/index.html?javazoom/jl/converter/WaveFile.html)    [**NO FRAMES**](http://docs.google.com/WaveFile.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

JavaZOOM 1999-2008