| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV**](http://docs.google.com/javax/sound/midi/spi/package-tree.html)   [**NEXT**](http://docs.google.com/javax/sound/sampled/spi/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package javax.sound.sampled

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + javax.sound.sampled.[**AudioFileFormat**](http://docs.google.com/javax/sound/sampled/AudioFileFormat.html)
  + javax.sound.sampled.[**AudioFileFormat.Type**](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html)
  + javax.sound.sampled.[**AudioFormat**](http://docs.google.com/javax/sound/sampled/AudioFormat.html)
  + javax.sound.sampled.[**AudioFormat.Encoding**](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html)
  + javax.sound.sampled.[**AudioSystem**](http://docs.google.com/javax/sound/sampled/AudioSystem.html)
  + javax.sound.sampled.[**Control**](http://docs.google.com/javax/sound/sampled/Control.html)
    - javax.sound.sampled.[**BooleanControl**](http://docs.google.com/javax/sound/sampled/BooleanControl.html)
    - javax.sound.sampled.[**CompoundControl**](http://docs.google.com/javax/sound/sampled/CompoundControl.html)
    - javax.sound.sampled.[**EnumControl**](http://docs.google.com/javax/sound/sampled/EnumControl.html)
    - javax.sound.sampled.[**FloatControl**](http://docs.google.com/javax/sound/sampled/FloatControl.html)
  + javax.sound.sampled.[**Control.Type**](http://docs.google.com/javax/sound/sampled/Control.Type.html)
    - javax.sound.sampled.[**BooleanControl.Type**](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html)
    - javax.sound.sampled.[**CompoundControl.Type**](http://docs.google.com/javax/sound/sampled/CompoundControl.Type.html)
    - javax.sound.sampled.[**EnumControl.Type**](http://docs.google.com/javax/sound/sampled/EnumControl.Type.html)
    - javax.sound.sampled.[**FloatControl.Type**](http://docs.google.com/javax/sound/sampled/FloatControl.Type.html)
  + java.util.[**EventObject**](http://docs.google.com/java/util/EventObject.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - javax.sound.sampled.[**LineEvent**](http://docs.google.com/javax/sound/sampled/LineEvent.html)
  + java.io.[**InputStream**](http://docs.google.com/java/io/InputStream.html) (implements java.io.[Closeable](http://docs.google.com/java/io/Closeable.html))
    - javax.sound.sampled.[**AudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioInputStream.html)
  + javax.sound.sampled.[**Line.Info**](http://docs.google.com/javax/sound/sampled/Line.Info.html)
    - javax.sound.sampled.[**DataLine.Info**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html)
    - javax.sound.sampled.[**Port.Info**](http://docs.google.com/javax/sound/sampled/Port.Info.html)
  + javax.sound.sampled.[**LineEvent.Type**](http://docs.google.com/javax/sound/sampled/LineEvent.Type.html)
  + javax.sound.sampled.[**Mixer.Info**](http://docs.google.com/javax/sound/sampled/Mixer.Info.html)
  + java.security.[**Permission**](http://docs.google.com/java/security/Permission.html) (implements java.security.[Guard](http://docs.google.com/java/security/Guard.html), java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.security.[**BasicPermission**](http://docs.google.com/java/security/BasicPermission.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
      * javax.sound.sampled.[**AudioPermission**](http://docs.google.com/javax/sound/sampled/AudioPermission.html)
  + javax.sound.sampled.[**ReverbType**](http://docs.google.com/javax/sound/sampled/ReverbType.html)
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * javax.sound.sampled.[**LineUnavailableException**](http://docs.google.com/javax/sound/sampled/LineUnavailableException.html)
      * javax.sound.sampled.[**UnsupportedAudioFileException**](http://docs.google.com/javax/sound/sampled/UnsupportedAudioFileException.html)

## Interface Hierarchy

* java.util.[**EventListener**](http://docs.google.com/java/util/EventListener.html)
  + javax.sound.sampled.[**LineListener**](http://docs.google.com/javax/sound/sampled/LineListener.html)
* javax.sound.sampled.[**Line**](http://docs.google.com/javax/sound/sampled/Line.html)
  + javax.sound.sampled.[**DataLine**](http://docs.google.com/javax/sound/sampled/DataLine.html)
    - javax.sound.sampled.[**Clip**](http://docs.google.com/javax/sound/sampled/Clip.html)
    - javax.sound.sampled.[**SourceDataLine**](http://docs.google.com/javax/sound/sampled/SourceDataLine.html)
    - javax.sound.sampled.[**TargetDataLine**](http://docs.google.com/javax/sound/sampled/TargetDataLine.html)
  + javax.sound.sampled.[**Mixer**](http://docs.google.com/javax/sound/sampled/Mixer.html)
  + javax.sound.sampled.[**Port**](http://docs.google.com/javax/sound/sampled/Port.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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