| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled//class-useAudioInputStream.html)    [**NO FRAMES**](http://docs.google.com/AudioInputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.sound.sampled.AudioInputStream**

| Packages that use [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | |
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| [**javax.sound.sampled**](#3znysh7) | Provides interfaces and classes for capture, processing, and playback of sampled audio data. |
| [**javax.sound.sampled.spi**](#2et92p0) | Supplies abstract classes for service providers to subclass when offering new audio devices, sound file readers and writers, or audio format converters. |

| Uses of [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) | |
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| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) that return [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | |
| --- | --- |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream of the indicated encoding, by converting the provided audio input stream. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(javax.sound.sampled.AudioFormat,%20javax.sound.sampled.AudioInputStream))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) targetFormat, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream of the indicated format, by converting the provided audio input stream. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(java.io.File))([File](http://docs.google.com/java/io/File.html) file)            Obtains an audio input stream from the provided File. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Obtains an audio input stream from the provided input stream. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Obtains an audio input stream from the URL provided. |

| Methods in [javax.sound.sampled](http://docs.google.com/javax/sound/sampled/package-summary.html) with parameters of type [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | |
| --- | --- |
| static [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html)[] | **AudioSystem.**[**getAudioFileTypes**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioFileTypes(javax.sound.sampled.AudioInputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream)            Obtains the file types that the system can write from the audio input stream specified. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream of the indicated encoding, by converting the provided audio input stream. |
| static [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioSystem.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#getAudioInputStream(javax.sound.sampled.AudioFormat,%20javax.sound.sampled.AudioInputStream))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) targetFormat, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream of the indicated format, by converting the provided audio input stream. |
| static boolean | **AudioSystem.**[**isFileTypeSupported**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#isFileTypeSupported(javax.sound.sampled.AudioFileFormat.Type,%20javax.sound.sampled.AudioInputStream))([AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream)            Indicates whether an audio file of the specified file type can be written from the indicated audio input stream. |
| void | **Clip.**[**open**](http://docs.google.com/javax/sound/sampled/Clip.html#open(javax.sound.sampled.AudioInputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream)            Opens the clip with the format and audio data present in the provided audio input stream. |
| static int | **AudioSystem.**[**write**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.File))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [File](http://docs.google.com/java/io/File.html) out)            Writes a stream of bytes representing an audio file of the specified file type to the external file provided. |
| static int | **AudioSystem.**[**write**](http://docs.google.com/javax/sound/sampled/AudioSystem.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.OutputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing an audio file of the specified file type to the output stream provided. |

| Uses of [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) | |
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| Methods in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) that return [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | |
| --- | --- |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **FormatConversionProvider.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream with the specified encoding from the given audio input stream. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **FormatConversionProvider.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getAudioInputStream(javax.sound.sampled.AudioFormat,%20javax.sound.sampled.AudioInputStream))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) targetFormat, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream with the specified format from the given audio input stream. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioFileReader.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/AudioFileReader.html#getAudioInputStream(java.io.File))([File](http://docs.google.com/java/io/File.html) file)            Obtains an audio input stream from the File provided. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioFileReader.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/AudioFileReader.html#getAudioInputStream(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Obtains an audio input stream from the input stream provided. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **AudioFileReader.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/AudioFileReader.html#getAudioInputStream(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Obtains an audio input stream from the URL provided. |

| Methods in [javax.sound.sampled.spi](http://docs.google.com/javax/sound/sampled/spi/package-summary.html) with parameters of type [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | |
| --- | --- |
| abstract  [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html)[] | **AudioFileWriter.**[**getAudioFileTypes**](http://docs.google.com/javax/sound/sampled/spi/AudioFileWriter.html#getAudioFileTypes(javax.sound.sampled.AudioInputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream)            Obtains the file types that this audio file writer can write from the audio input stream specified. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **FormatConversionProvider.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getAudioInputStream(javax.sound.sampled.AudioFormat.Encoding,%20javax.sound.sampled.AudioInputStream))([AudioFormat.Encoding](http://docs.google.com/javax/sound/sampled/AudioFormat.Encoding.html) targetEncoding, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream with the specified encoding from the given audio input stream. |
| abstract  [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **FormatConversionProvider.**[**getAudioInputStream**](http://docs.google.com/javax/sound/sampled/spi/FormatConversionProvider.html#getAudioInputStream(javax.sound.sampled.AudioFormat,%20javax.sound.sampled.AudioInputStream))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) targetFormat, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) sourceStream)            Obtains an audio input stream with the specified format from the given audio input stream. |
| boolean | **AudioFileWriter.**[**isFileTypeSupported**](http://docs.google.com/javax/sound/sampled/spi/AudioFileWriter.html#isFileTypeSupported(javax.sound.sampled.AudioFileFormat.Type,%20javax.sound.sampled.AudioInputStream))([AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream)            Indicates whether an audio file of the type specified can be written from the audio input stream indicated. |
| abstract  int | **AudioFileWriter.**[**write**](http://docs.google.com/javax/sound/sampled/spi/AudioFileWriter.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.File))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [File](http://docs.google.com/java/io/File.html) out)            Writes a stream of bytes representing an audio file of the file format indicated to the external file provided. |
| abstract  int | **AudioFileWriter.**[**write**](http://docs.google.com/javax/sound/sampled/spi/AudioFileWriter.html#write(javax.sound.sampled.AudioInputStream,%20javax.sound.sampled.AudioFileFormat.Type,%20java.io.OutputStream))([AudioInputStream](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) stream, [AudioFileFormat.Type](http://docs.google.com/javax/sound/sampled/AudioFileFormat.Type.html) fileType, [OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Writes a stream of bytes representing an audio file of the file type indicated to the output stream provided. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/sound/sampled/AudioInputStream.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled//class-useAudioInputStream.html)    [**NO FRAMES**](http://docs.google.com/AudioInputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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