| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SoundbankReader.html) | [**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 CLASS**](http://docs.google.com/javax/sound/midi/spi/MidiFileWriter.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/sound/midi/spi/SoundbankReader.html)    [**NO FRAMES**](http://docs.google.com/SoundbankReader.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.sound.midi.spi**

Class SoundbankReader

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.sound.midi.spi.SoundbankReader**

public abstract class **SoundbankReader**extends [Object](http://docs.google.com/java/lang/Object.html)

A SoundbankReader supplies soundbank file-reading services. Concrete subclasses of SoundbankReader parse a given soundbank file, producing a [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) object that can be loaded into a [Synthesizer](http://docs.google.com/javax/sound/midi/Synthesizer.html).

**Since:** 1.3

| **Constructor Summary** | |
| --- | --- |
| [**SoundbankReader**](http://docs.google.com/javax/sound/midi/spi/SoundbankReader.html#SoundbankReader())() |

| **Method Summary** | |
| --- | --- |
| abstract  [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) | [**getSoundbank**](http://docs.google.com/javax/sound/midi/spi/SoundbankReader.html#getSoundbank(java.io.File))([File](http://docs.google.com/java/io/File.html) file)            Obtains a soundbank object from the File provided. |
| abstract  [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) | [**getSoundbank**](http://docs.google.com/javax/sound/midi/spi/SoundbankReader.html#getSoundbank(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Obtains a soundbank object from the InputStream provided. |
| abstract  [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) | [**getSoundbank**](http://docs.google.com/javax/sound/midi/spi/SoundbankReader.html#getSoundbank(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            Obtains a soundbank object from the URL provided. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

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

### SoundbankReader

public **SoundbankReader**()

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

### getSoundbank

public abstract [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) **getSoundbank**([URL](http://docs.google.com/java/net/URL.html) url)  
 throws [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Obtains a soundbank object from the URL provided.

**Parameters:**url - URL representing the soundbank. **Returns:**soundbank object **Throws:** [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html) - if the URL does not point to valid MIDI soundbank data recognized by this soundbank reader [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs

### getSoundbank

public abstract [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) **getSoundbank**([InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Obtains a soundbank object from the InputStream provided.

**Parameters:**stream - InputStream representing the soundbank **Returns:**soundbank object **Throws:** [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html) - if the stream does not point to valid MIDI soundbank data recognized by this soundbank reader [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs

### getSoundbank

public abstract [Soundbank](http://docs.google.com/javax/sound/midi/Soundbank.html) **getSoundbank**([File](http://docs.google.com/java/io/File.html) file)  
 throws [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html),  
 [IOException](http://docs.google.com/java/io/IOException.html)

Obtains a soundbank object from the File provided.

**Parameters:**file - the File representing the soundbank **Returns:**soundbank object **Throws:** [InvalidMidiDataException](http://docs.google.com/javax/sound/midi/InvalidMidiDataException.html) - if the file does not point to valid MIDI soundbank data recognized by this soundbank reader [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SoundbankReader.html) | [**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 CLASS**](http://docs.google.com/javax/sound/midi/spi/MidiFileWriter.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/sound/midi/spi/SoundbankReader.html)    [**NO FRAMES**](http://docs.google.com/SoundbankReader.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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