| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DataLine.Info.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/sampled/DataLine.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/sampled/EnumControl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/DataLine.Info.html)    [**NO FRAMES**](http://docs.google.com/DataLine.Info.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#3rdcrjn) |

## **javax.sound.sampled**

Class DataLine.Info

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.sound.sampled.Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html)  
 **javax.sound.sampled.DataLine.Info**

**Enclosing interface:**[DataLine](http://docs.google.com/javax/sound/sampled/DataLine.html)

public static class **DataLine.Info**extends [Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html)

Besides the class information inherited from its superclass, DataLine.Info provides additional information specific to data lines. This information includes:

* the audio formats supported by the data line
* the minimum and maximum sizes of its internal buffer

Because a Line.Info knows the class of the line its describes, a DataLine.Info object can describe DataLine subinterfaces such as [SourceDataLine](http://docs.google.com/javax/sound/sampled/SourceDataLine.html), [TargetDataLine](http://docs.google.com/javax/sound/sampled/TargetDataLine.html), and [Clip](http://docs.google.com/javax/sound/sampled/Clip.html). You can query a mixer for lines of any of these types, passing an appropriate instance of DataLine.Info as the argument to a method such as [Mixer.getLine(Line.Info)](http://docs.google.com/javax/sound/sampled/Mixer.html#getLine(javax.sound.sampled.Line.Info)).

**Since:** 1.3 **See Also:**[Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html)

| **Constructor Summary** | |
| --- | --- |
| [**DataLine.Info**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#DataLine.Info(java.lang.Class,%20javax.sound.sampled.AudioFormat))([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format)            Constructs a data line's info object from the specified information, which includes a single audio format. |
| [**DataLine.Info**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#DataLine.Info(java.lang.Class,%20javax.sound.sampled.AudioFormat%5B%5D,%20int,%20int))([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] formats, int minBufferSize, int maxBufferSize)            Constructs a data line's info object from the specified information, which includes a set of supported audio formats and a range for the buffer size. |
| [**DataLine.Info**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#DataLine.Info(java.lang.Class,%20javax.sound.sampled.AudioFormat,%20int))([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass, [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format, int bufferSize)            Constructs a data line's info object from the specified information, which includes a single audio format and a desired buffer size. |

| **Method Summary** | |
| --- | --- |
| [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] | [**getFormats**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#getFormats())()            Obtains a set of audio formats supported by the data line. |
| int | [**getMaxBufferSize**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#getMaxBufferSize())()            Obtains the maximum buffer size supported by the data line. |
| int | [**getMinBufferSize**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#getMinBufferSize())()            Obtains the minimum buffer size supported by the data line. |
| boolean | [**isFormatSupported**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#isFormatSupported(javax.sound.sampled.AudioFormat))([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format)            Indicates whether this data line supports a particular audio format. |
| boolean | [**matches**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#matches(javax.sound.sampled.Line.Info))([Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) info)            Determines whether the specified info object matches this one. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#toString())()            Obtains a textual description of the data line info. |

| **Methods inherited from class javax.sound.sampled.**[**Line.Info**](http://docs.google.com/javax/sound/sampled/Line.Info.html) |
| --- |
| [getLineClass](http://docs.google.com/javax/sound/sampled/Line.Info.html#getLineClass()) |

| **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()), [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** |
| --- |

### DataLine.Info

public **DataLine.Info**([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass,  
 [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] formats,  
 int minBufferSize,  
 int maxBufferSize)

Constructs a data line's info object from the specified information, which includes a set of supported audio formats and a range for the buffer size. This constructor is typically used by mixer implementations when returning information about a supported line.

**Parameters:**lineClass - the class of the data line described by the info objectformats - set of formats supportedminBufferSize - minimum buffer size supported by the data line, in bytesmaxBufferSize - maximum buffer size supported by the data line, in bytes

### DataLine.Info

public **DataLine.Info**([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass,  
 [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format,  
 int bufferSize)

Constructs a data line's info object from the specified information, which includes a single audio format and a desired buffer size. This constructor is typically used by an application to describe a desired line.

**Parameters:**lineClass - the class of the data line described by the info objectformat - desired formatbufferSize - desired buffer size in bytes

### DataLine.Info

public **DataLine.Info**([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass,  
 [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format)

Constructs a data line's info object from the specified information, which includes a single audio format. This constructor is typically used by an application to describe a desired line.

**Parameters:**lineClass - the class of the data line described by the info objectformat - desired format

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

### getFormats

public [AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html)[] **getFormats**()

Obtains a set of audio formats supported by the data line. Note that isFormatSupported(AudioFormat) might return true for certain additional formats that are missing from the set returned by getFormats(). The reverse is not the case: isFormatSupported(AudioFormat) is guaranteed to return true for all formats returned by getFormats(). Some fields in the AudioFormat instances can be set to [NOT\_SPECIFIED](http://docs.google.com/javax/sound/sampled/AudioSystem.html#NOT_SPECIFIED) if that field does not apply to the format, or if the format supports a wide range of values for that field. For example, a multi-channel device supporting up to 64 channels, could set the channel field in the AudioFormat instances returned by this method to NOT\_SPECIFIED.

**Returns:**a set of supported audio formats.**See Also:**[isFormatSupported(AudioFormat)](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#isFormatSupported(javax.sound.sampled.AudioFormat))

### isFormatSupported

public boolean **isFormatSupported**([AudioFormat](http://docs.google.com/javax/sound/sampled/AudioFormat.html) format)

Indicates whether this data line supports a particular audio format. The default implementation of this method simply returns true if the specified format matches any of the supported formats.

**Parameters:**format - the audio format for which support is queried. **Returns:**true if the format is supported, otherwise false**See Also:**[getFormats()](http://docs.google.com/javax/sound/sampled/DataLine.Info.html#getFormats()), [AudioFormat.matches(javax.sound.sampled.AudioFormat)](http://docs.google.com/javax/sound/sampled/AudioFormat.html#matches(javax.sound.sampled.AudioFormat))

### getMinBufferSize

public int **getMinBufferSize**()

Obtains the minimum buffer size supported by the data line.

**Returns:**minimum buffer size in bytes, or AudioSystem.NOT\_SPECIFIED

### getMaxBufferSize

public int **getMaxBufferSize**()

Obtains the maximum buffer size supported by the data line.

**Returns:**maximum buffer size in bytes, or AudioSystem.NOT\_SPECIFIED

### matches

public boolean **matches**([Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) info)

Determines whether the specified info object matches this one. To match, the superclass match requirements must be met. In addition, this object's minimum buffer size must be at least as large as that of the object specified, its maximum buffer size must be at most as large as that of the object specified, and all of its formats must match formats supported by the object specified.

**Overrides:**[matches](http://docs.google.com/javax/sound/sampled/Line.Info.html#matches(javax.sound.sampled.Line.Info)) in class [Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) **Parameters:**info - the info object which is being compared to this one **Returns:**true if this object matches the one specified, otherwise false.

### toString

public [String](http://docs.google.com/java/lang/String.html) **toString**()

Obtains a textual description of the data line info.

**Overrides:**[toString](http://docs.google.com/javax/sound/sampled/Line.Info.html#toString()) in class [Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) **Returns:**a string description

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DataLine.Info.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/sampled/DataLine.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/sampled/EnumControl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/DataLine.Info.html)    [**NO FRAMES**](http://docs.google.com/DataLine.Info.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#3rdcrjn) |

[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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