| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Port.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/Port.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/sampled/ReverbType.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/Port.Info.html)    [**NO FRAMES**](http://docs.google.com/Port.Info.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#1ksv4uv) | [METHOD](#2jxsxqh) |

## **javax.sound.sampled**

Class Port.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.Port.Info**

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

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

The Port.Info class extends [Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) with additional information specific to ports, including the port's name and whether it is a source or a target for its mixer. By definition, a port acts as either a source or a target to its mixer, but not both. (Audio input ports are sources; audio output ports are targets.)

To learn what ports are available, you can retrieve port info objects through the [getSourceLineInfo](http://docs.google.com/javax/sound/sampled/Mixer.html#getSourceLineInfo()) and [getTargetLineInfo](http://docs.google.com/javax/sound/sampled/Mixer.html#getTargetLineInfo()) methods of the Mixer interface. Instances of the Port.Info class may also be constructed and used to obtain lines matching the parameters specified in the Port.Info object.

**Since:** 1.3

| **Field Summary** | |
| --- | --- |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**COMPACT\_DISC**](http://docs.google.com/javax/sound/sampled/Port.Info.html#COMPACT_DISC)            A type of port that gets audio from a CD-ROM drive. |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**HEADPHONE**](http://docs.google.com/javax/sound/sampled/Port.Info.html#HEADPHONE)            A type of port that sends audio to a headphone jack. |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**LINE\_IN**](http://docs.google.com/javax/sound/sampled/Port.Info.html#LINE_IN)            A type of port that gets audio from a line-level audio input jack. |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**LINE\_OUT**](http://docs.google.com/javax/sound/sampled/Port.Info.html#LINE_OUT)            A type of port that sends audio to a line-level audio output jack. |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**MICROPHONE**](http://docs.google.com/javax/sound/sampled/Port.Info.html#MICROPHONE)            A type of port that gets audio from a built-in microphone or a microphone jack. |
| static [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) | [**SPEAKER**](http://docs.google.com/javax/sound/sampled/Port.Info.html#SPEAKER)            A type of port that sends audio to a built-in speaker or a speaker jack. |

| **Constructor Summary** | |
| --- | --- |
| [**Port.Info**](http://docs.google.com/javax/sound/sampled/Port.Info.html#Port.Info(java.lang.Class,%20java.lang.String,%20boolean))([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass, [String](http://docs.google.com/java/lang/String.html) name, boolean isSource)            Constructs a port's info object from the information given. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/sound/sampled/Port.Info.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Finalizes the equals method |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/sound/sampled/Port.Info.html#getName())()            Obtains the name of the port. |
| int | [**hashCode**](http://docs.google.com/javax/sound/sampled/Port.Info.html#hashCode())()            Finalizes the hashCode method |
| boolean | [**isSource**](http://docs.google.com/javax/sound/sampled/Port.Info.html#isSource())()            Indicates whether the port is a source or a target for its mixer. |
| boolean | [**matches**](http://docs.google.com/javax/sound/sampled/Port.Info.html#matches(javax.sound.sampled.Line.Info))([Line.Info](http://docs.google.com/javax/sound/sampled/Line.Info.html) info)            Indicates whether this info object specified matches this one. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/sound/sampled/Port.Info.html#toString())()            Provides a String representation of the port. |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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)) |

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

### MICROPHONE

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **MICROPHONE**

A type of port that gets audio from a built-in microphone or a microphone jack.

### LINE\_IN

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **LINE\_IN**

A type of port that gets audio from a line-level audio input jack.

### COMPACT\_DISC

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **COMPACT\_DISC**

A type of port that gets audio from a CD-ROM drive.

### SPEAKER

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **SPEAKER**

A type of port that sends audio to a built-in speaker or a speaker jack.

### HEADPHONE

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **HEADPHONE**

A type of port that sends audio to a headphone jack.

### LINE\_OUT

public static final [Port.Info](http://docs.google.com/javax/sound/sampled/Port.Info.html) **LINE\_OUT**

A type of port that sends audio to a line-level audio output jack.

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

### Port.Info

public **Port.Info**([Class](http://docs.google.com/java/lang/Class.html)<?> lineClass,  
 [String](http://docs.google.com/java/lang/String.html) name,  
 boolean isSource)

Constructs a port's info object from the information given. This constructor is typically used by an implementation of Java Sound to describe a supported line.

**Parameters:**lineClass - the class of the port described by the info object.name - the string that names the portisSource - true if the port is a source port (such as a microphone), false if the port is a target port (such as a speaker).

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

### getName

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

Obtains the name of the port.

**Returns:**the string that names the port

### isSource

public boolean **isSource**()

Indicates whether the port is a source or a target for its mixer.

**Returns:**true if the port is a source port (such as a microphone), false if the port is a target port (such as a speaker).

### matches

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

Indicates whether this info object specified matches this one. To match, the match requirements of the superclass must be met and the types must be equal.

**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 for which the match is queried **Returns:**true if the specified object matches this one, false otherwise

### equals

public final boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Finalizes the equals method

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the reference object with which to compare. **Returns:**true if this object is the same as the obj argument; false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public final int **hashCode**()

Finalizes the hashCode method

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this object.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

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

Provides a String representation of the port.

**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 that describes the port

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Port.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/Port.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/sampled/ReverbType.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/Port.Info.html)    [**NO FRAMES**](http://docs.google.com/Port.Info.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#1ksv4uv) | [METHOD](#2jxsxqh) |

[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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