| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Control.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/CompoundControl.Type.html)   [**NEXT CLASS**](http://docs.google.com/javax/sound/sampled/Control.Type.html) | [**FRAMES**](http://docs.google.com/index.html?javax/sound/sampled/Control.html)    [**NO FRAMES**](http://docs.google.com/Control.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **javax.sound.sampled**

Class Control

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

**Direct Known Subclasses:** [BooleanControl](http://docs.google.com/javax/sound/sampled/BooleanControl.html), [CompoundControl](http://docs.google.com/javax/sound/sampled/CompoundControl.html), [EnumControl](http://docs.google.com/javax/sound/sampled/EnumControl.html), [FloatControl](http://docs.google.com/javax/sound/sampled/FloatControl.html)

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

[Lines](http://docs.google.com/javax/sound/sampled/Line.html) often have a set of controls, such as gain and pan, that affect the audio signal passing through the line. Java Sound's Line objects let you obtain a particular control object by passing its class as the argument to a [getControl](http://docs.google.com/javax/sound/sampled/Line.html#getControl(javax.sound.sampled.Control.Type)) method.

Because the various types of controls have different purposes and features, all of their functionality is accessed from the subclasses that define each kind of control.

**Since:** 1.3 **See Also:**[Line.getControls()](http://docs.google.com/javax/sound/sampled/Line.html#getControls()), [Line.isControlSupported(javax.sound.sampled.Control.Type)](http://docs.google.com/javax/sound/sampled/Line.html#isControlSupported(javax.sound.sampled.Control.Type))

| **Nested Class Summary** | |
| --- | --- |
| static class | [**Control.Type**](http://docs.google.com/javax/sound/sampled/Control.Type.html)            An instance of the Type class represents the type of the control. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**Control**](http://docs.google.com/javax/sound/sampled/Control.html#Control(javax.sound.sampled.Control.Type))([Control.Type](http://docs.google.com/javax/sound/sampled/Control.Type.html) type)            Constructs a Control with the specified type. |

| **Method Summary** | |
| --- | --- |
| [Control.Type](http://docs.google.com/javax/sound/sampled/Control.Type.html) | [**getType**](http://docs.google.com/javax/sound/sampled/Control.html#getType())()            Obtains the control's type. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/sound/sampled/Control.html#toString())()            Obtains a String describing the control type and its current state. |

| **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** |
| --- |

### Control

protected **Control**([Control.Type](http://docs.google.com/javax/sound/sampled/Control.Type.html) type)

Constructs a Control with the specified type.

**Parameters:**type - the kind of control desired

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

### getType

public [Control.Type](http://docs.google.com/javax/sound/sampled/Control.Type.html) **getType**()

Obtains the control's type.

**Returns:**the control's type.

### toString

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

Obtains a String describing the control type and its current state.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a String representation of the Control.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Control.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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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