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

## **javax.sound.sampled**

Class BooleanControl

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

public abstract class **BooleanControl**extends [Control](http://docs.google.com/javax/sound/sampled/Control.html)

A BooleanControl provides the ability to switch between two possible settings that affect a line's audio. The settings are boolean values (true and false). A graphical user interface might represent the control by a two-state button, an on/off switch, two mutually exclusive buttons, or a checkbox (among other possibilities). For example, depressing a button might activate a [MUTE](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html#MUTE) control to silence the line's audio.

As with other [Control](http://docs.google.com/javax/sound/sampled/Control.html) subclasses, a method is provided that returns string labels for the values, suitable for display in the user interface.

**Since:** 1.3

| **Nested Class Summary** | |
| --- | --- |
| static class | [**BooleanControl.Type**](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html)            An instance of the BooleanControl.Type class identifies one kind of boolean control. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**BooleanControl**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#BooleanControl(javax.sound.sampled.BooleanControl.Type,%20boolean))([BooleanControl.Type](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html) type, boolean initialValue)            Constructs a new boolean control object with the given parameters. |
| protected | [**BooleanControl**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#BooleanControl(javax.sound.sampled.BooleanControl.Type,%20boolean,%20java.lang.String,%20java.lang.String))([BooleanControl.Type](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html) type, boolean initialValue, [String](http://docs.google.com/java/lang/String.html) trueStateLabel, [String](http://docs.google.com/java/lang/String.html) falseStateLabel)            Constructs a new boolean control object with the given parameters. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getStateLabel**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#getStateLabel(boolean))(boolean state)            Obtains the label for the specified state. |
| boolean | [**getValue**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#getValue())()            Obtains this control's current value. |
| void | [**setValue**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#setValue(boolean))(boolean value)            Sets the current value for the control. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/sound/sampled/BooleanControl.html#toString())()            Provides a string representation of the control |

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

| **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** |
| --- |

### BooleanControl

protected **BooleanControl**([BooleanControl.Type](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html) type,  
 boolean initialValue,  
 [String](http://docs.google.com/java/lang/String.html) trueStateLabel,  
 [String](http://docs.google.com/java/lang/String.html) falseStateLabel)

Constructs a new boolean control object with the given parameters.

**Parameters:**type - the type of control represented this float control objectinitialValue - the initial control valuetrueStateLabel - the label for the state represented by true, such as "true" or "on."falseStateLabel - the label for the state represented by false, such as "false" or "off."

### BooleanControl

protected **BooleanControl**([BooleanControl.Type](http://docs.google.com/javax/sound/sampled/BooleanControl.Type.html) type,  
 boolean initialValue)

Constructs a new boolean control object with the given parameters. The labels for the true and false states default to "true" and "false."

**Parameters:**type - the type of control represented by this float control objectinitialValue - the initial control value

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

### setValue

public void **setValue**(boolean value)

Sets the current value for the control. The default implementation simply sets the value as indicated. Some controls require that their line be open before they can be affected by setting a value.

**Parameters:**value - desired new value.

### getValue

public boolean **getValue**()

Obtains this control's current value.

**Returns:**current value.

### getStateLabel

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

Obtains the label for the specified state.

**Returns:**the label for the specified state, such as "true" or "on" for true, or "false" or "off" for false.

### toString

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

Provides a string representation of the control

**Overrides:**[toString](http://docs.google.com/javax/sound/sampled/Control.html#toString()) in class [Control](http://docs.google.com/javax/sound/sampled/Control.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/BooleanControl.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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