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

## **javax.swing.plaf.basic**

Class BasicButtonListener

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.plaf.basic.BasicButtonListener**

**All Implemented Interfaces:** [FocusListener](http://docs.google.com/java/awt/event/FocusListener.html), [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html), [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html), [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html), [EventListener](http://docs.google.com/java/util/EventListener.html), [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html)

public class **BasicButtonListener**extends [Object](http://docs.google.com/java/lang/Object.html)implements [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html), [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html), [FocusListener](http://docs.google.com/java/awt/event/FocusListener.html), [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html), [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html)

Button Listener

| **Constructor Summary** | |
| --- | --- |
| [**BasicButtonListener**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#BasicButtonListener(javax.swing.AbstractButton))([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b) |

| **Method Summary** | |
| --- | --- |
| protected  void | [**checkOpacity**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#checkOpacity(javax.swing.AbstractButton))([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b) |
| void | [**focusGained**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#focusGained(java.awt.event.FocusEvent))([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)            Invoked when a component gains the keyboard focus. |
| void | [**focusLost**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#focusLost(java.awt.event.FocusEvent))([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)            Invoked when a component loses the keyboard focus. |
| void | [**installKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#installKeyboardActions(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Register default key actions: pressing space to "click" a button and registring the keyboard mnemonic (if any). |
| void | [**mouseClicked**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseClicked(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse button has been clicked (pressed and released) on a component. |
| void | [**mouseDragged**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseDragged(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button is pressed on a component and then dragged. |
| void | [**mouseEntered**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseEntered(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse enters a component. |
| void | [**mouseExited**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseExited(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse exits a component. |
| void | [**mouseMoved**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseMoved(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed. |
| void | [**mousePressed**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mousePressed(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button has been pressed on a component. |
| void | [**mouseReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#mouseReleased(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button has been released on a component. |
| void | [**propertyChange**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#propertyChange(java.beans.PropertyChangeEvent))([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)            This method gets called when a bound property is changed. |
| void | [**stateChanged**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#stateChanged(javax.swing.event.ChangeEvent))([ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) e)            Invoked when the target of the listener has changed its state. |
| void | [**uninstallKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html#uninstallKeyboardActions(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Unregister's default key actions |

| **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** |
| --- |

### BasicButtonListener

public **BasicButtonListener**([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b)

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

### propertyChange

public void **propertyChange**([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)

**Description copied from interface:** [**PropertyChangeListener**](http://docs.google.com/java/beans/PropertyChangeListener.html#propertyChange(java.beans.PropertyChangeEvent)) This method gets called when a bound property is changed.

**Specified by:**[propertyChange](http://docs.google.com/java/beans/PropertyChangeListener.html#propertyChange(java.beans.PropertyChangeEvent)) in interface [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **Parameters:**e - A PropertyChangeEvent object describing the event source and the property that has changed.

### checkOpacity

protected void **checkOpacity**([AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html) b)

### installKeyboardActions

public void **installKeyboardActions**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

Register default key actions: pressing space to "click" a button and registring the keyboard mnemonic (if any).

### uninstallKeyboardActions

public void **uninstallKeyboardActions**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

Unregister's default key actions

### stateChanged

public void **stateChanged**([ChangeEvent](http://docs.google.com/javax/swing/event/ChangeEvent.html) e)

**Description copied from interface:** [**ChangeListener**](http://docs.google.com/javax/swing/event/ChangeListener.html#stateChanged(javax.swing.event.ChangeEvent)) Invoked when the target of the listener has changed its state.

**Specified by:**[stateChanged](http://docs.google.com/javax/swing/event/ChangeListener.html#stateChanged(javax.swing.event.ChangeEvent)) in interface [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) **Parameters:**e - a ChangeEvent object

### focusGained

public void **focusGained**([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)

**Description copied from interface:** [**FocusListener**](http://docs.google.com/java/awt/event/FocusListener.html#focusGained(java.awt.event.FocusEvent)) Invoked when a component gains the keyboard focus.

**Specified by:**[focusGained](http://docs.google.com/java/awt/event/FocusListener.html#focusGained(java.awt.event.FocusEvent)) in interface [FocusListener](http://docs.google.com/java/awt/event/FocusListener.html)

### focusLost

public void **focusLost**([FocusEvent](http://docs.google.com/java/awt/event/FocusEvent.html) e)

**Description copied from interface:** [**FocusListener**](http://docs.google.com/java/awt/event/FocusListener.html#focusLost(java.awt.event.FocusEvent)) Invoked when a component loses the keyboard focus.

**Specified by:**[focusLost](http://docs.google.com/java/awt/event/FocusListener.html#focusLost(java.awt.event.FocusEvent)) in interface [FocusListener](http://docs.google.com/java/awt/event/FocusListener.html)

### mouseMoved

public void **mouseMoved**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseMotionListener**](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseMoved(java.awt.event.MouseEvent)) Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed.

**Specified by:**[mouseMoved](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseMoved(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html)

### mouseDragged

public void **mouseDragged**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseMotionListener**](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseDragged(java.awt.event.MouseEvent)) Invoked when a mouse button is pressed on a component and then dragged. MOUSE\_DRAGGED events will continue to be delivered to the component where the drag originated until the mouse button is released (regardless of whether the mouse position is within the bounds of the component).

Due to platform-dependent Drag&Drop implementations, MOUSE\_DRAGGED events may not be delivered during a native Drag&Drop operation.

**Specified by:**[mouseDragged](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseDragged(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html)

### mouseClicked

public void **mouseClicked**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseClicked(java.awt.event.MouseEvent)) Invoked when the mouse button has been clicked (pressed and released) on a component.

**Specified by:**[mouseClicked](http://docs.google.com/java/awt/event/MouseListener.html#mouseClicked(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mousePressed

public void **mousePressed**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mousePressed(java.awt.event.MouseEvent)) Invoked when a mouse button has been pressed on a component.

**Specified by:**[mousePressed](http://docs.google.com/java/awt/event/MouseListener.html#mousePressed(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mouseReleased

public void **mouseReleased**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseReleased(java.awt.event.MouseEvent)) Invoked when a mouse button has been released on a component.

**Specified by:**[mouseReleased](http://docs.google.com/java/awt/event/MouseListener.html#mouseReleased(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mouseEntered

public void **mouseEntered**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseEntered(java.awt.event.MouseEvent)) Invoked when the mouse enters a component.

**Specified by:**[mouseEntered](http://docs.google.com/java/awt/event/MouseListener.html#mouseEntered(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mouseExited

public void **mouseExited**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseExited(java.awt.event.MouseEvent)) Invoked when the mouse exits a component.

**Specified by:**[mouseExited](http://docs.google.com/java/awt/event/MouseListener.html#mouseExited(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicButtonListener.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/swing/plaf/basic/BasicBorders.ToggleButtonBorder.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicButtonUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicButtonListener.html)    [**NO FRAMES**](http://docs.google.com/BasicButtonListener.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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).