| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractButton.AccessibleAbstractButton.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/AbstractButton.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/AbstractButton.ButtonChangeListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/AbstractButton.AccessibleAbstractButton.html)    [**NO FRAMES**](http://docs.google.com/AbstractButton.AccessibleAbstractButton.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#2et92p0) | [FIELD](#1t3h5sf) | [CONSTR](#26in1rg) | [METHOD](#lnxbz9) | DETAIL: FIELD | [CONSTR](#1y810tw) | [METHOD](#2xcytpi) |

## **javax.swing**

Class AbstractButton.AccessibleAbstractButton

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.accessibility.AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html)  
 [java.awt.Component.AccessibleAWTComponent](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html)  
 [java.awt.Container.AccessibleAWTContainer](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html)  
 [javax.swing.JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html)  
 **javax.swing.AbstractButton.AccessibleAbstractButton**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), [AccessibleComponent](http://docs.google.com/javax/accessibility/AccessibleComponent.html), [AccessibleExtendedComponent](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html), [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html), [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **Direct Known Subclasses:** [JButton.AccessibleJButton](http://docs.google.com/javax/swing/JButton.AccessibleJButton.html), [JMenuItem.AccessibleJMenuItem](http://docs.google.com/javax/swing/JMenuItem.AccessibleJMenuItem.html), [JToggleButton.AccessibleJToggleButton](http://docs.google.com/javax/swing/JToggleButton.AccessibleJToggleButton.html) **Enclosing class:**[AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html)

protected abstract class **AbstractButton.AccessibleAbstractButton**extends [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html)implements [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html), [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html), [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html), [AccessibleExtendedComponent](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html)

This class implements accessibility support for the AbstractButton class. It provides an implementation of the Java Accessibility API appropriate to button and menu item user-interface elements.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

**Since:** 1.4

| **Nested Class Summary** | |
| --- | --- |

| **Nested classes/interfaces inherited from class javax.swing.**[**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) |
| --- |
| [JComponent.AccessibleJComponent.AccessibleContainerHandler](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.AccessibleContainerHandler.html), [JComponent.AccessibleJComponent.AccessibleFocusHandler](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.AccessibleFocusHandler.html) |

| **Nested classes/interfaces inherited from class java.awt.**[**Component.AccessibleAWTComponent**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html) |
| --- |
| [Component.AccessibleAWTComponent.AccessibleAWTComponentHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTComponentHandler.html), [Component.AccessibleAWTComponent.AccessibleAWTFocusHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.AccessibleAWTFocusHandler.html) |

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.swing.**[**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) |
| --- |
| [accessibleContainerHandler](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#accessibleContainerHandler), [accessibleFocusHandler](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#accessibleFocusHandler) |

| **Fields inherited from class java.awt.**[**Component.AccessibleAWTComponent**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html) |
| --- |
| [accessibleAWTComponentHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#accessibleAWTComponentHandler), [accessibleAWTFocusHandler](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#accessibleAWTFocusHandler) |

| **Fields inherited from class javax.accessibility.**[**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html) |
| --- |
| [ACCESSIBLE\_ACTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_ACTION_PROPERTY), [ACCESSIBLE\_ACTIVE\_DESCENDANT\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_ACTIVE_DESCENDANT_PROPERTY), [ACCESSIBLE\_CARET\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_CARET_PROPERTY), [ACCESSIBLE\_CHILD\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_CHILD_PROPERTY), [ACCESSIBLE\_COMPONENT\_BOUNDS\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_COMPONENT_BOUNDS_CHANGED), [ACCESSIBLE\_DESCRIPTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_DESCRIPTION_PROPERTY), [ACCESSIBLE\_HYPERTEXT\_OFFSET](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_HYPERTEXT_OFFSET), [ACCESSIBLE\_INVALIDATE\_CHILDREN](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_INVALIDATE_CHILDREN), [ACCESSIBLE\_NAME\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_NAME_PROPERTY), [ACCESSIBLE\_SELECTION\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_SELECTION_PROPERTY), [ACCESSIBLE\_STATE\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_STATE_PROPERTY), [ACCESSIBLE\_TABLE\_CAPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_CAPTION_CHANGED), [ACCESSIBLE\_TABLE\_COLUMN\_DESCRIPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_COLUMN_DESCRIPTION_CHANGED), [ACCESSIBLE\_TABLE\_COLUMN\_HEADER\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_COLUMN_HEADER_CHANGED), [ACCESSIBLE\_TABLE\_MODEL\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_MODEL_CHANGED), [ACCESSIBLE\_TABLE\_ROW\_DESCRIPTION\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_ROW_DESCRIPTION_CHANGED), [ACCESSIBLE\_TABLE\_ROW\_HEADER\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_ROW_HEADER_CHANGED), [ACCESSIBLE\_TABLE\_SUMMARY\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TABLE_SUMMARY_CHANGED), [ACCESSIBLE\_TEXT\_ATTRIBUTES\_CHANGED](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TEXT_ATTRIBUTES_CHANGED), [ACCESSIBLE\_TEXT\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_TEXT_PROPERTY), [ACCESSIBLE\_VALUE\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_VALUE_PROPERTY), [ACCESSIBLE\_VISIBLE\_DATA\_PROPERTY](http://docs.google.com/javax/accessibility/AccessibleContext.html#ACCESSIBLE_VISIBLE_DATA_PROPERTY), [accessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleDescription), [accessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleName), [accessibleParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#accessibleParent) |

| **Fields inherited from interface javax.accessibility.**[**AccessibleAction**](http://docs.google.com/javax/accessibility/AccessibleAction.html) |
| --- |
| [CLICK](http://docs.google.com/javax/accessibility/AccessibleAction.html#CLICK), [DECREMENT](http://docs.google.com/javax/accessibility/AccessibleAction.html#DECREMENT), [INCREMENT](http://docs.google.com/javax/accessibility/AccessibleAction.html#INCREMENT), [TOGGLE\_EXPAND](http://docs.google.com/javax/accessibility/AccessibleAction.html#TOGGLE_EXPAND), [TOGGLE\_POPUP](http://docs.google.com/javax/accessibility/AccessibleAction.html#TOGGLE_POPUP) |

| **Fields inherited from interface javax.accessibility.**[**AccessibleText**](http://docs.google.com/javax/accessibility/AccessibleText.html) |
| --- |
| [CHARACTER](http://docs.google.com/javax/accessibility/AccessibleText.html#CHARACTER), [SENTENCE](http://docs.google.com/javax/accessibility/AccessibleText.html#SENTENCE), [WORD](http://docs.google.com/javax/accessibility/AccessibleText.html#WORD) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**AbstractButton.AccessibleAbstractButton**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#AbstractButton.AccessibleAbstractButton())() |

| **Method Summary** | |
| --- | --- |
| boolean | [**doAccessibleAction**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#doAccessibleAction(int))(int i)            Perform the specified Action on the object |
| [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html) | [**getAccessibleAction**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleAction())()            Get the AccessibleAction associated with this object. |
| int | [**getAccessibleActionCount**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleActionCount())()            Returns the number of Actions available in this object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAccessibleActionDescription**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleActionDescription(int))(int i)            Return a description of the specified action of the object. |
| [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html)[] | [**getAccessibleIcon**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleIcon())()            Get the AccessibleIcons associated with this object if one or more exist. |
| [AccessibleKeyBinding](http://docs.google.com/javax/accessibility/AccessibleKeyBinding.html) | [**getAccessibleKeyBinding**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleKeyBinding())()            Returns key bindings associated with this object |
| [String](http://docs.google.com/java/lang/String.html) | [**getAccessibleName**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleName())()            Returns the accessible name of this object. |
| [AccessibleRelationSet](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html) | [**getAccessibleRelationSet**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleRelationSet())()            Get the AccessibleRelationSet associated with this object if one exists. |
| [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) | [**getAccessibleStateSet**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleStateSet())()            Get the state set of this object. |
| [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) | [**getAccessibleText**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleText())()            Gets the AccessibleText associated with this object presenting text on the display. |
| [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) | [**getAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAccessibleValue())()            Get the AccessibleValue associated with this object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAfterIndex**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAfterIndex(int,%20int))(int part, int index)            Returns the String after a given index. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAtIndex**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getAtIndex(int,%20int))(int part, int index)            Returns the String at a given index. |
| [String](http://docs.google.com/java/lang/String.html) | [**getBeforeIndex**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getBeforeIndex(int,%20int))(int part, int index)            Returns the String before a given index. |
| int | [**getCaretPosition**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCaretPosition())()            Return the zero-based offset of the caret. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getCharacterAttribute**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCharacterAttribute(int))(int i)            Return the AttributeSet for a given character at a given index |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**getCharacterBounds**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCharacterBounds(int))(int i)            Determine the bounding box of the character at the given index into the string. |
| int | [**getCharCount**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCharCount())()            Return the number of characters (valid indicies) |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getCurrentAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getCurrentAccessibleValue())()            Get the value of this object as a Number. |
| int | [**getIndexAtPoint**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getIndexAtPoint(java.awt.Point))([Point](http://docs.google.com/java/awt/Point.html) p)            Given a point in local coordinates, return the zero-based index of the character under that Point. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getMaximumAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getMaximumAccessibleValue())()            Get the maximum value of this object as a Number. |
| [Number](http://docs.google.com/java/lang/Number.html) | [**getMinimumAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getMinimumAccessibleValue())()            Get the minimum value of this object as a Number. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSelectedText**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getSelectedText())()            Returns the portion of the text that is selected. |
| int | [**getSelectionEnd**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getSelectionEnd())()            Returns the end offset within the selected text. |
| int | [**getSelectionStart**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getSelectionStart())()            Returns the start offset within the selected text. |
| [String](http://docs.google.com/java/lang/String.html) | [**getTitledBorderText**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getTitledBorderText())()            Returns the titled border text |
| [String](http://docs.google.com/java/lang/String.html) | [**getToolTipText**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#getToolTipText())()            Returns the tool tip text |
| boolean | [**setCurrentAccessibleValue**](http://docs.google.com/javax/swing/AbstractButton.AccessibleAbstractButton.html#setCurrentAccessibleValue(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) n)            Set the value of this object as a Number. |

| **Methods inherited from class javax.swing.**[**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) |
| --- |
| [addPropertyChangeListener](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#addPropertyChangeListener(java.beans.PropertyChangeListener)), [getAccessibleChild](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleChild(int)), [getAccessibleChildrenCount](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleChildrenCount()), [getAccessibleDescription](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleDescription()), [getAccessibleRole](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleRole()), [getBorderTitle](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getBorderTitle(javax.swing.border.Border)), [removePropertyChangeListener](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#removePropertyChangeListener(java.beans.PropertyChangeListener)) |

| **Methods inherited from class java.awt.**[**Container.AccessibleAWTContainer**](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html) |
| --- |
| [getAccessibleAt](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html#getAccessibleAt(java.awt.Point)) |

| **Methods inherited from class java.awt.**[**Component.AccessibleAWTComponent**](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html) |
| --- |
| [addFocusListener](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#addFocusListener(java.awt.event.FocusListener)), [contains](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#contains(java.awt.Point)), [getAccessibleComponent](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getAccessibleComponent()), [getAccessibleIndexInParent](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getAccessibleIndexInParent()), [getAccessibleParent](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getAccessibleParent()), [getBackground](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getBackground()), [getBounds](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getBounds()), [getCursor](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getCursor()), [getFont](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getFont()), [getFontMetrics](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getFontMetrics(java.awt.Font)), [getForeground](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getForeground()), [getLocale](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getLocale()), [getLocation](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getLocation()), [getLocationOnScreen](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getLocationOnScreen()), [getSize](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#getSize()), [isEnabled](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#isEnabled()), [isFocusTraversable](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#isFocusTraversable()), [isShowing](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#isShowing()), [isVisible](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#isVisible()), [removeFocusListener](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#removeFocusListener(java.awt.event.FocusListener)), [requestFocus](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#requestFocus()), [setBackground](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setBackground(java.awt.Color)), [setBounds](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setBounds(java.awt.Rectangle)), [setCursor](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setCursor(java.awt.Cursor)), [setEnabled](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setEnabled(boolean)), [setFont](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setFont(java.awt.Font)), [setForeground](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setForeground(java.awt.Color)), [setLocation](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setLocation(java.awt.Point)), [setSize](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setSize(java.awt.Dimension)), [setVisible](http://docs.google.com/java/awt/Component.AccessibleAWTComponent.html#setVisible(boolean)) |

| **Methods inherited from class javax.accessibility.**[**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html) |
| --- |
| [firePropertyChange](http://docs.google.com/javax/accessibility/AccessibleContext.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object)), [getAccessibleEditableText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleEditableText()), [getAccessibleSelection](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleSelection()), [getAccessibleTable](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleTable()), [setAccessibleDescription](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleDescription(java.lang.String)), [setAccessibleName](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleName(java.lang.String)), [setAccessibleParent](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleParent(javax.accessibility.Accessible)) |

| **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)) |

| **Methods inherited from interface javax.accessibility.**[**AccessibleComponent**](http://docs.google.com/javax/accessibility/AccessibleComponent.html) |
| --- |
| [addFocusListener](http://docs.google.com/javax/accessibility/AccessibleComponent.html#addFocusListener(java.awt.event.FocusListener)), [contains](http://docs.google.com/javax/accessibility/AccessibleComponent.html#contains(java.awt.Point)), [getAccessibleAt](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getAccessibleAt(java.awt.Point)), [getBackground](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getBackground()), [getBounds](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getBounds()), [getCursor](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getCursor()), [getFont](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getFont()), [getFontMetrics](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getFontMetrics(java.awt.Font)), [getForeground](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getForeground()), [getLocation](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getLocation()), [getLocationOnScreen](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getLocationOnScreen()), [getSize](http://docs.google.com/javax/accessibility/AccessibleComponent.html#getSize()), [isEnabled](http://docs.google.com/javax/accessibility/AccessibleComponent.html#isEnabled()), [isFocusTraversable](http://docs.google.com/javax/accessibility/AccessibleComponent.html#isFocusTraversable()), [isShowing](http://docs.google.com/javax/accessibility/AccessibleComponent.html#isShowing()), [isVisible](http://docs.google.com/javax/accessibility/AccessibleComponent.html#isVisible()), [removeFocusListener](http://docs.google.com/javax/accessibility/AccessibleComponent.html#removeFocusListener(java.awt.event.FocusListener)), [requestFocus](http://docs.google.com/javax/accessibility/AccessibleComponent.html#requestFocus()), [setBackground](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setBackground(java.awt.Color)), [setBounds](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setBounds(java.awt.Rectangle)), [setCursor](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setCursor(java.awt.Cursor)), [setEnabled](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setEnabled(boolean)), [setFont](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setFont(java.awt.Font)), [setForeground](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setForeground(java.awt.Color)), [setLocation](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setLocation(java.awt.Point)), [setSize](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setSize(java.awt.Dimension)), [setVisible](http://docs.google.com/javax/accessibility/AccessibleComponent.html#setVisible(boolean)) |

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

### AbstractButton.AccessibleAbstractButton

protected **AbstractButton.AccessibleAbstractButton**()

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

### getAccessibleName

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

Returns the accessible name of this object.

**Overrides:**[getAccessibleName](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleName()) in class [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) **Returns:**the localized name of the object -- can be null if this object does not have a name**See Also:**[AccessibleContext.setAccessibleName(java.lang.String)](http://docs.google.com/javax/accessibility/AccessibleContext.html#setAccessibleName(java.lang.String))

### getAccessibleIcon

public [AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html)[] **getAccessibleIcon**()

Get the AccessibleIcons associated with this object if one or more exist. Otherwise return null.

**Overrides:**[getAccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleIcon()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**an array of AccessibleIcon if supported by object; otherwise return null**Since:** 1.3 **See Also:**[AccessibleIcon](http://docs.google.com/javax/accessibility/AccessibleIcon.html)

### getAccessibleStateSet

public [AccessibleStateSet](http://docs.google.com/javax/accessibility/AccessibleStateSet.html) **getAccessibleStateSet**()

Get the state set of this object.

**Overrides:**[getAccessibleStateSet](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleStateSet()) in class [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) **Returns:**an instance of AccessibleState containing the current state of the object**See Also:**[AccessibleState](http://docs.google.com/javax/accessibility/AccessibleState.html)

### getAccessibleRelationSet

public [AccessibleRelationSet](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html) **getAccessibleRelationSet**()

Get the AccessibleRelationSet associated with this object if one exists. Otherwise return null.

**Overrides:**[getAccessibleRelationSet](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleRelationSet()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**an AccessibleRelationSet if supported by object; otherwise return null**Since:** 1.3 **See Also:**[AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)

### getAccessibleAction

public [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html) **getAccessibleAction**()

Get the AccessibleAction associated with this object. In the implementation of the Java Accessibility API for this class, return this object, which is responsible for implementing the AccessibleAction interface on behalf of itself.

**Overrides:**[getAccessibleAction](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleAction()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**this object**See Also:**[AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html)

### getAccessibleValue

public [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **getAccessibleValue**()

Get the AccessibleValue associated with this object. In the implementation of the Java Accessibility API for this class, return this object, which is responsible for implementing the AccessibleValue interface on behalf of itself.

**Overrides:**[getAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleValue()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**this object**See Also:**[AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html)

### getAccessibleActionCount

public int **getAccessibleActionCount**()

Returns the number of Actions available in this object. The default behavior of a button is to have one action - toggle the button.

**Specified by:**[getAccessibleActionCount](http://docs.google.com/javax/accessibility/AccessibleAction.html#getAccessibleActionCount()) in interface [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html) **Returns:**1, the number of Actions in this object

### getAccessibleActionDescription

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

Return a description of the specified action of the object.

**Specified by:**[getAccessibleActionDescription](http://docs.google.com/javax/accessibility/AccessibleAction.html#getAccessibleActionDescription(int)) in interface [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html) **Parameters:**i - zero-based index of the actions **Returns:**a String description of the action**See Also:**[AccessibleAction.getAccessibleActionCount()](http://docs.google.com/javax/accessibility/AccessibleAction.html#getAccessibleActionCount())

### doAccessibleAction

public boolean **doAccessibleAction**(int i)

Perform the specified Action on the object

**Specified by:**[doAccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html#doAccessibleAction(int)) in interface [AccessibleAction](http://docs.google.com/javax/accessibility/AccessibleAction.html) **Parameters:**i - zero-based index of actions **Returns:**true if the the action was performed; else false.**See Also:**[AccessibleAction.getAccessibleActionCount()](http://docs.google.com/javax/accessibility/AccessibleAction.html#getAccessibleActionCount())

### getCurrentAccessibleValue

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

Get the value of this object as a Number.

**Specified by:**[getCurrentAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html#getCurrentAccessibleValue()) in interface [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **Returns:**An Integer of 0 if this isn't selected or an Integer of 1 if this is selected.**See Also:**[AbstractButton.isSelected()](http://docs.google.com/javax/swing/AbstractButton.html#isSelected())

### setCurrentAccessibleValue

public boolean **setCurrentAccessibleValue**([Number](http://docs.google.com/java/lang/Number.html) n)

Set the value of this object as a Number.

**Specified by:**[setCurrentAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html#setCurrentAccessibleValue(java.lang.Number)) in interface [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **Returns:**True if the value was set.**See Also:**[AccessibleValue.getCurrentAccessibleValue()](http://docs.google.com/javax/accessibility/AccessibleValue.html#getCurrentAccessibleValue())

### getMinimumAccessibleValue

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

Get the minimum value of this object as a Number.

**Specified by:**[getMinimumAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMinimumAccessibleValue()) in interface [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **Returns:**an Integer of 0.**See Also:**[AccessibleValue.getMaximumAccessibleValue()](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMaximumAccessibleValue())

### getMaximumAccessibleValue

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

Get the maximum value of this object as a Number.

**Specified by:**[getMaximumAccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMaximumAccessibleValue()) in interface [AccessibleValue](http://docs.google.com/javax/accessibility/AccessibleValue.html) **Returns:**An Integer of 1.**See Also:**[AccessibleValue.getMinimumAccessibleValue()](http://docs.google.com/javax/accessibility/AccessibleValue.html#getMinimumAccessibleValue())

### getAccessibleText

public [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **getAccessibleText**()

**Description copied from class:** [**AccessibleContext**](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleText()) Gets the AccessibleText associated with this object presenting text on the display.

**Overrides:**[getAccessibleText](http://docs.google.com/javax/accessibility/AccessibleContext.html#getAccessibleText()) in class [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **Returns:**AccessibleText if supported by object; else return null**See Also:**[AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html)

### getIndexAtPoint

public int **getIndexAtPoint**([Point](http://docs.google.com/java/awt/Point.html) p)

Given a point in local coordinates, return the zero-based index of the character under that Point. If the point is invalid, this method returns -1. Note: the AbstractButton must have a valid size (e.g. have been added to a parent container whose ancestor container is a valid top-level window) for this method to be able to return a meaningful value.

**Specified by:**[getIndexAtPoint](http://docs.google.com/javax/accessibility/AccessibleText.html#getIndexAtPoint(java.awt.Point)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**p - the Point in local coordinates **Returns:**the zero-based index of the character under Point p; if Point is invalid returns -1.**Since:** 1.3

### getCharacterBounds

public [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **getCharacterBounds**(int i)

Determine the bounding box of the character at the given index into the string. The bounds are returned in local coordinates. If the index is invalid an empty rectangle is returned. Note: the AbstractButton must have a valid size (e.g. have been added to a parent container whose ancestor container is a valid top-level window) for this method to be able to return a meaningful value.

**Specified by:**[getCharacterBounds](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharacterBounds(int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**i - the index into the String **Returns:**the screen coordinates of the character's the bounding box, if index is invalid returns an empty rectangle.**Since:** 1.3

### getCharCount

public int **getCharCount**()

Return the number of characters (valid indicies)

**Specified by:**[getCharCount](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharCount()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the number of characters**Since:** 1.3

### getCaretPosition

public int **getCaretPosition**()

Return the zero-based offset of the caret. Note: That to the right of the caret will have the same index value as the offset (the caret is between two characters).

**Specified by:**[getCaretPosition](http://docs.google.com/javax/accessibility/AccessibleText.html#getCaretPosition()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the zero-based offset of the caret.**Since:** 1.3

### getAtIndex

public [String](http://docs.google.com/java/lang/String.html) **getAtIndex**(int part,  
 int index)

Returns the String at a given index.

**Specified by:**[getAtIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getAtIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the AccessibleText.CHARACTER, AccessibleText.WORD, or AccessibleText.SENTENCE to retrieveindex - an index within the text >= 0 **Returns:**the letter, word, or sentence, null for an invalid index or part**Since:** 1.3

### getAfterIndex

public [String](http://docs.google.com/java/lang/String.html) **getAfterIndex**(int part,  
 int index)

Returns the String after a given index.

**Specified by:**[getAfterIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getAfterIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the AccessibleText.CHARACTER, AccessibleText.WORD, or AccessibleText.SENTENCE to retrieveindex - an index within the text >= 0 **Returns:**the letter, word, or sentence, null for an invalid index or part**Since:** 1.3

### getBeforeIndex

public [String](http://docs.google.com/java/lang/String.html) **getBeforeIndex**(int part,  
 int index)

Returns the String before a given index.

**Specified by:**[getBeforeIndex](http://docs.google.com/javax/accessibility/AccessibleText.html#getBeforeIndex(int,%20int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**part - the AccessibleText.CHARACTER, AccessibleText.WORD, or AccessibleText.SENTENCE to retrieveindex - an index within the text >= 0 **Returns:**the letter, word, or sentence, null for an invalid index or part**Since:** 1.3

### getCharacterAttribute

public [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **getCharacterAttribute**(int i)

Return the AttributeSet for a given character at a given index

**Specified by:**[getCharacterAttribute](http://docs.google.com/javax/accessibility/AccessibleText.html#getCharacterAttribute(int)) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Parameters:**i - the zero-based index into the text **Returns:**the AttributeSet of the character**Since:** 1.3

### getSelectionStart

public int **getSelectionStart**()

Returns the start offset within the selected text. If there is no selection, but there is a caret, the start and end offsets will be the same.

**Specified by:**[getSelectionStart](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectionStart()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the index into the text of the start of the selection**Since:** 1.3

### getSelectionEnd

public int **getSelectionEnd**()

Returns the end offset within the selected text. If there is no selection, but there is a caret, the start and end offsets will be the same.

**Specified by:**[getSelectionEnd](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectionEnd()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the index into teh text of the end of the selection**Since:** 1.3

### getSelectedText

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

Returns the portion of the text that is selected.

**Specified by:**[getSelectedText](http://docs.google.com/javax/accessibility/AccessibleText.html#getSelectedText()) in interface [AccessibleText](http://docs.google.com/javax/accessibility/AccessibleText.html) **Returns:**the String portion of the text that is selected**Since:** 1.3

### getToolTipText

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

Returns the tool tip text

**Specified by:**[getToolTipText](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html#getToolTipText()) in interface [AccessibleExtendedComponent](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html)**Overrides:**[getToolTipText](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getToolTipText()) in class [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) **Returns:**the tool tip text, if supported, of the object; otherwise, null**Since:** 1.4

### getTitledBorderText

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

Returns the titled border text

**Specified by:**[getTitledBorderText](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html#getTitledBorderText()) in interface [AccessibleExtendedComponent](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html)**Overrides:**[getTitledBorderText](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getTitledBorderText()) in class [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) **Returns:**the titled border text, if supported, of the object; otherwise, null**Since:** 1.4

### getAccessibleKeyBinding

public [AccessibleKeyBinding](http://docs.google.com/javax/accessibility/AccessibleKeyBinding.html) **getAccessibleKeyBinding**()

Returns key bindings associated with this object

**Specified by:**[getAccessibleKeyBinding](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html#getAccessibleKeyBinding()) in interface [AccessibleExtendedComponent](http://docs.google.com/javax/accessibility/AccessibleExtendedComponent.html)**Overrides:**[getAccessibleKeyBinding](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html#getAccessibleKeyBinding()) in class [JComponent.AccessibleJComponent](http://docs.google.com/javax/swing/JComponent.AccessibleJComponent.html) **Returns:**the key bindings, if supported, of the object; otherwise, null**Since:** 1.4 **See Also:**[AccessibleKeyBinding](http://docs.google.com/javax/accessibility/AccessibleKeyBinding.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/AbstractButton.AccessibleAbstractButton.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/AbstractButton.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/AbstractButton.ButtonChangeListener.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/AbstractButton.AccessibleAbstractButton.html)    [**NO FRAMES**](http://docs.google.com/AbstractButton.AccessibleAbstractButton.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#2et92p0) | [FIELD](#1t3h5sf) | [CONSTR](#26in1rg) | [METHOD](#lnxbz9) | DETAIL: FIELD | [CONSTR](#1y810tw) | [METHOD](#2xcytpi) |

[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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