| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/KeyEvent.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/event//class-useKeyEvent.html)    [**NO FRAMES**](http://docs.google.com/KeyEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.event.KeyEvent**

| Packages that use [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) | |
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| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.event**](#2et92p0) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**javax.swing**](#tyjcwt) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.event**](#3dy6vkm) | Provides for events fired by Swing components. |
| [**javax.swing.plaf.basic**](#1t3h5sf) | Provides user interface objects built according to the Basic look and feel. |

| Uses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) | |
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| boolean | **DefaultKeyboardFocusManager.**[**dispatchKeyEvent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#dispatchKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Called by dispatchEvent if no other KeyEventDispatcher in the dispatcher chain dispatched the KeyEvent, or if no other KeyEventDispatchers are registered. |
| boolean | **KeyEventDispatcher.**[**dispatchKeyEvent**](http://docs.google.com/java/awt/KeyEventDispatcher.html#dispatchKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method is called by the current KeyboardFocusManager requesting that this KeyEventDispatcher dispatch the specified event on its behalf. |
| abstract  boolean | **KeyboardFocusManager.**[**dispatchKeyEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#dispatchKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Typically this method will be called by dispatchEvent if no other KeyEventDispatcher in the dispatcher chain dispatched the KeyEvent, or if no other KeyEventDispatchers are registered. |
| static [AWTKeyStroke](http://docs.google.com/java/awt/AWTKeyStroke.html) | **AWTKeyStroke.**[**getAWTKeyStrokeForEvent**](http://docs.google.com/java/awt/AWTKeyStroke.html#getAWTKeyStrokeForEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) anEvent)            Returns an AWTKeyStroke which represents the stroke which generated a given KeyEvent. |
| void | **AWTEventMulticaster.**[**keyPressed**](http://docs.google.com/java/awt/AWTEventMulticaster.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Handles the keyPressed event by invoking the keyPressed methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**keyReleased**](http://docs.google.com/java/awt/AWTEventMulticaster.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Handles the keyReleased event by invoking the keyReleased methods on listener-a and listener-b. |
| void | **AWTEventMulticaster.**[**keyTyped**](http://docs.google.com/java/awt/AWTEventMulticaster.html#keyTyped(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Handles the keyTyped event by invoking the keyTyped methods on listener-a and listener-b. |
| boolean | **DefaultKeyboardFocusManager.**[**postProcessKeyEvent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#postProcessKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method will be called by dispatchKeyEvent. |
| boolean | **KeyEventPostProcessor.**[**postProcessKeyEvent**](http://docs.google.com/java/awt/KeyEventPostProcessor.html#postProcessKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method is called by the current KeyboardFocusManager, requesting that this KeyEventPostProcessor perform any necessary post-processing which should be part of the KeyEvent's final resolution. |
| abstract  boolean | **KeyboardFocusManager.**[**postProcessKeyEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#postProcessKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method will be called by dispatchKeyEvent. |
| void | **DefaultKeyboardFocusManager.**[**processKeyEvent**](http://docs.google.com/java/awt/DefaultKeyboardFocusManager.html#processKeyEvent(java.awt.Component,%20java.awt.event.KeyEvent))([Component](http://docs.google.com/java/awt/Component.html) focusedComponent, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method initiates a focus traversal operation if and only if the KeyEvent represents a focus traversal key for the specified focusedComponent. |
| abstract  void | **KeyboardFocusManager.**[**processKeyEvent**](http://docs.google.com/java/awt/KeyboardFocusManager.html#processKeyEvent(java.awt.Component,%20java.awt.event.KeyEvent))([Component](http://docs.google.com/java/awt/Component.html) focusedComponent, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            This method initiates a focus traversal operation if and only if the KeyEvent represents a focus traversal key for the specified focusedComponent. |
| protected  void | **Component.**[**processKeyEvent**](http://docs.google.com/java/awt/Component.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Processes key events occurring on this component by dispatching them to any registered KeyListener objects. |

| Uses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) | |
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| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with parameters of type [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) | |
| --- | --- |
| void | **KeyAdapter.**[**keyPressed**](http://docs.google.com/java/awt/event/KeyAdapter.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been pressed. |
| void | **KeyListener.**[**keyPressed**](http://docs.google.com/java/awt/event/KeyListener.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been pressed. |
| void | **KeyAdapter.**[**keyReleased**](http://docs.google.com/java/awt/event/KeyAdapter.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been released. |
| void | **KeyListener.**[**keyReleased**](http://docs.google.com/java/awt/event/KeyListener.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been released. |
| void | **KeyAdapter.**[**keyTyped**](http://docs.google.com/java/awt/event/KeyAdapter.html#keyTyped(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been typed. |
| void | **KeyListener.**[**keyTyped**](http://docs.google.com/java/awt/event/KeyListener.html#keyTyped(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been typed. |

| Uses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
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| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) | |
| --- | --- |
| static [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **KeyStroke.**[**getKeyStrokeForEvent**](http://docs.google.com/javax/swing/KeyStroke.html#getKeyStrokeForEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) anEvent)            Returns a KeyStroke which represents the stroke which generated a given KeyEvent. |
| static boolean | **SwingUtilities.**[**notifyAction**](http://docs.google.com/javax/swing/SwingUtilities.html#notifyAction(javax.swing.Action,%20javax.swing.KeyStroke,%20java.awt.event.KeyEvent,%20java.lang.Object,%20int))([Action](http://docs.google.com/javax/swing/Action.html) action, [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) ks, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) event, [Object](http://docs.google.com/java/lang/Object.html) sender, int modifiers)            Invokes actionPerformed on action if action is enabled (and non-null). |
| protected  void | **JComponent.**[**processComponentKeyEvent**](http://docs.google.com/javax/swing/JComponent.html#processComponentKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Processes any key events that the component itself recognizes. |
| protected  boolean | **JTable.**[**processKeyBinding**](http://docs.google.com/javax/swing/JTable.html#processKeyBinding(javax.swing.KeyStroke,%20java.awt.event.KeyEvent,%20int,%20boolean))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) ks, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, int condition, boolean pressed) |
| protected  boolean | **JMenuBar.**[**processKeyBinding**](http://docs.google.com/javax/swing/JMenuBar.html#processKeyBinding(javax.swing.KeyStroke,%20java.awt.event.KeyEvent,%20int,%20boolean))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) ks, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, int condition, boolean pressed)            Subclassed to check all the child menus. |
| protected  boolean | **JComponent.**[**processKeyBinding**](http://docs.google.com/javax/swing/JComponent.html#processKeyBinding(javax.swing.KeyStroke,%20java.awt.event.KeyEvent,%20int,%20boolean))([KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) ks, [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, int condition, boolean pressed)            Invoked to process the key bindings for ks as the result of the KeyEvent e. |
| static boolean | **SwingUtilities.**[**processKeyBindings**](http://docs.google.com/javax/swing/SwingUtilities.html#processKeyBindings(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) event)            Process the key bindings for the Component associated with event. |
| void | **JComboBox.**[**processKeyEvent**](http://docs.google.com/javax/swing/JComboBox.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Handles KeyEvents, looking for the Tab key. |
| protected  void | **JPopupMenu.**[**processKeyEvent**](http://docs.google.com/javax/swing/JPopupMenu.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) evt)            Processes key stroke events such as mnemonics and accelerators. |
| protected  void | **JComponent.**[**processKeyEvent**](http://docs.google.com/javax/swing/JComponent.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Overrides processKeyEvent to process events. |
| protected  void | **JMenu.**[**processKeyEvent**](http://docs.google.com/javax/swing/JMenu.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) evt)            Processes key stroke events such as mnemonics and accelerators. |
| void | **MenuSelectionManager.**[**processKeyEvent**](http://docs.google.com/javax/swing/MenuSelectionManager.html#processKeyEvent(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            When a MenuElement receives an event from a KeyListener, it should never process the event directly. |
| void | **JMenuItem.**[**processKeyEvent**](http://docs.google.com/javax/swing/JMenuItem.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a key event forwarded from the MenuSelectionManager and changes the menu selection, if necessary, by using MenuSelectionManager's API. |
| void | **JPopupMenu.**[**processKeyEvent**](http://docs.google.com/javax/swing/JPopupMenu.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a key event forwarded from the MenuSelectionManager and changes the menu selection, if necessary, by using MenuSelectionManager's API. |
| void | **JMenuBar.**[**processKeyEvent**](http://docs.google.com/javax/swing/JMenuBar.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Implemented to be a MenuElement -- does nothing. |
| void | **MenuElement.**[**processKeyEvent**](http://docs.google.com/javax/swing/MenuElement.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) event, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Process a key event. |

| Uses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| Subclasses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| class | [**MenuKeyEvent**](http://docs.google.com/javax/swing/event/MenuKeyEvent.html)            MenuKeyEvent is used to notify interested parties that the menu element has received a KeyEvent forwarded to it in a menu tree. |

| Uses of [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) | |
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| void | **BasicTableUI.KeyHandler.**[**keyPressed**](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.KeyHandler.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicTreeUI.KeyHandler.**[**keyPressed**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.KeyHandler.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicComboBoxUI.KeyHandler.**[**keyPressed**](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.KeyHandler.html#keyPressed(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicTableUI.KeyHandler.**[**keyReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.KeyHandler.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicTreeUI.KeyHandler.**[**keyReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.KeyHandler.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicComboPopup.InvocationKeyHandler.**[**keyReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationKeyHandler.html#keyReleased(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicTableUI.KeyHandler.**[**keyTyped**](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.KeyHandler.html#keyTyped(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e) |
| void | **BasicTreeUI.KeyHandler.**[**keyTyped**](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.KeyHandler.html#keyTyped(java.awt.event.KeyEvent))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)            Invoked when a key has been typed. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/KeyEvent.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt/event//class-useKeyEvent.html)    [**NO FRAMES**](http://docs.google.com/KeyEvent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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