| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/KeyListener.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/java/awt/event/KeyEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/MouseAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/KeyListener.html)    [**NO FRAMES**](http://docs.google.com/KeyListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt.event**

Interface KeyListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Implementing Classes:** [AWTEventMulticaster](http://docs.google.com/java/awt/AWTEventMulticaster.html), [BasicComboBoxUI.KeyHandler](http://docs.google.com/javax/swing/plaf/basic/BasicComboBoxUI.KeyHandler.html), [BasicComboPopup.InvocationKeyHandler](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationKeyHandler.html), [BasicTableUI.KeyHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.KeyHandler.html), [BasicTreeUI.KeyHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.KeyHandler.html), [KeyAdapter](http://docs.google.com/java/awt/event/KeyAdapter.html)

public interface **KeyListener**extends [EventListener](http://docs.google.com/java/util/EventListener.html)

The listener interface for receiving keyboard events (keystrokes). The class that is interested in processing a keyboard event either implements this interface (and all the methods it contains) or extends the abstract KeyAdapter class (overriding only the methods of interest).

The listener object created from that class is then registered with a component using the component's addKeyListener method. A keyboard event is generated when a key is pressed, released, or typed. The relevant method in the listener object is then invoked, and the KeyEvent is passed to it.

**Since:** 1.1 **See Also:**[KeyAdapter](http://docs.google.com/java/awt/event/KeyAdapter.html), [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html), [Tutorial: Writing a Key Listener](http://java.sun.com/docs/books/tutorial/post1.0/ui/keylistener.html)

| **Method Summary** | |
| --- | --- |
| void | [**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 | [**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 | [**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. |

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

### keyTyped

void **keyTyped**([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)

Invoked when a key has been typed. See the class description for [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) for a definition of a key typed event.

### keyPressed

void **keyPressed**([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)

Invoked when a key has been pressed. See the class description for [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) for a definition of a key pressed event.

### keyReleased

void **keyReleased**([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e)

Invoked when a key has been released. See the class description for [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) for a definition of a key released event.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/KeyListener.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/java/awt/event/KeyEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/MouseAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/KeyListener.html)    [**NO FRAMES**](http://docs.google.com/KeyListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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