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

**Uses of Interface**

**java.awt.event.AdjustmentListener**

| Packages that use [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**javax.swing**](#2et92p0) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |

| Uses of [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
| --- | --- |

| Classes in [java.awt](http://docs.google.com/java/awt/package-summary.html) that implement [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| class | [**AWTEventMulticaster**](http://docs.google.com/java/awt/AWTEventMulticaster.html)            AWTEventMulticaster implements efficient and thread-safe multi-cast event dispatching for the AWT events defined in the java.awt.event package. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| static [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | **AWTEventMulticaster.**[**add**](http://docs.google.com/java/awt/AWTEventMulticaster.html#add(java.awt.event.AdjustmentListener,%20java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) a, [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) b)            Adds adjustment-listener-a with adjustment-listener-b and returns the resulting multicast listener. |
| [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html)[] | **Scrollbar.**[**getAdjustmentListeners**](http://docs.google.com/java/awt/Scrollbar.html#getAdjustmentListeners())()            Returns an array of all the adjustment listeners registered on this scrollbar. |
| [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html)[] | **ScrollPaneAdjustable.**[**getAdjustmentListeners**](http://docs.google.com/java/awt/ScrollPaneAdjustable.html#getAdjustmentListeners())()            Returns an array of all the adjustment listeners registered on this ScrollPaneAdjustable. |
| static [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | **AWTEventMulticaster.**[**remove**](http://docs.google.com/java/awt/AWTEventMulticaster.html#remove(java.awt.event.AdjustmentListener,%20java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l, [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) oldl)            Removes the old adjustment-listener from adjustment-listener-l and returns the resulting multicast listener. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| static [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | **AWTEventMulticaster.**[**add**](http://docs.google.com/java/awt/AWTEventMulticaster.html#add(java.awt.event.AdjustmentListener,%20java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) a, [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) b)            Adds adjustment-listener-a with adjustment-listener-b and returns the resulting multicast listener. |
| void | **Scrollbar.**[**addAdjustmentListener**](http://docs.google.com/java/awt/Scrollbar.html#addAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Adds the specified adjustment listener to receive instances of AdjustmentEvent from this scroll bar. |
| void | **ScrollPaneAdjustable.**[**addAdjustmentListener**](http://docs.google.com/java/awt/ScrollPaneAdjustable.html#addAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Adds the specified adjustment listener to receive adjustment events from this ScrollPaneAdjustable. |
| void | **Adjustable.**[**addAdjustmentListener**](http://docs.google.com/java/awt/Adjustable.html#addAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Adds a listener to receive adjustment events when the value of the adjustable object changes. |
| static [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | **AWTEventMulticaster.**[**remove**](http://docs.google.com/java/awt/AWTEventMulticaster.html#remove(java.awt.event.AdjustmentListener,%20java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l, [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) oldl)            Removes the old adjustment-listener from adjustment-listener-l and returns the resulting multicast listener. |
| void | **Scrollbar.**[**removeAdjustmentListener**](http://docs.google.com/java/awt/Scrollbar.html#removeAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Removes the specified adjustment listener so that it no longer receives instances of AdjustmentEvent from this scroll bar. |
| void | **ScrollPaneAdjustable.**[**removeAdjustmentListener**](http://docs.google.com/java/awt/ScrollPaneAdjustable.html#removeAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Removes the specified adjustment listener so that it no longer receives adjustment events from this ScrollPaneAdjustable. |
| void | **Adjustable.**[**removeAdjustmentListener**](http://docs.google.com/java/awt/Adjustable.html#removeAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Removes an adjustment listener. |

| Uses of [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html)[] | **JScrollBar.**[**getAdjustmentListeners**](http://docs.google.com/javax/swing/JScrollBar.html#getAdjustmentListeners())()            Returns an array of all the AdjustmentListeners added to this JScrollBar with addAdjustmentListener(). |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) | |
| --- | --- |
| void | **JScrollBar.**[**addAdjustmentListener**](http://docs.google.com/javax/swing/JScrollBar.html#addAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Adds an AdjustmentListener. |
| void | **JScrollBar.**[**removeAdjustmentListener**](http://docs.google.com/javax/swing/JScrollBar.html#removeAdjustmentListener(java.awt.event.AdjustmentListener))([AdjustmentListener](http://docs.google.com/java/awt/event/AdjustmentListener.html) l)            Removes an AdjustmentEvent listener. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/event/AdjustmentListener.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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[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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