| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicComboPopup.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/BasicComboBoxUI.PropertyChangeHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationKeyHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicComboPopup.html)    [**NO FRAMES**](http://docs.google.com/BasicComboPopup.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#4d34og8) | [CONSTR](#26in1rg) | [METHOD](#lnxbz9) | DETAIL: [FIELD](#1y810tw) | [CONSTR](#3fwokq0) | [METHOD](#4f1mdlm) |

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

Class BasicComboPopup

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.awt.Component](http://docs.google.com/java/awt/Component.html)  
 [java.awt.Container](http://docs.google.com/java/awt/Container.html)  
 [javax.swing.JComponent](http://docs.google.com/javax/swing/JComponent.html)  
 [javax.swing.JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html)  
 **javax.swing.plaf.basic.BasicComboPopup**

**All Implemented Interfaces:** [ImageObserver](http://docs.google.com/java/awt/image/ImageObserver.html), [MenuContainer](http://docs.google.com/java/awt/MenuContainer.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [Accessible](http://docs.google.com/javax/accessibility/Accessible.html), [MenuElement](http://docs.google.com/javax/swing/MenuElement.html), [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html) **Direct Known Subclasses:** [MetalComboBoxUI.MetalComboPopup](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.MetalComboPopup.html)

public class **BasicComboPopup**extends [JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html)implements [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html)

This is a basic implementation of the ComboPopup interface. This class represents the ui for the popup portion of the combo box.

All event handling is handled by listener classes created with the createxxxListener() methods and internal classes. You can change the behavior of this class by overriding the createxxxListener() methods and supplying your own event listeners or subclassing from the ones supplied in this class.

**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).

| **Nested Class Summary** | |
| --- | --- |
| class | [**BasicComboPopup.InvocationKeyHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationKeyHandler.html)            As of Java 2 platform v 1.4, this class is now obsolete and is only included for backwards API compatibility. |
| protected  class | [**BasicComboPopup.InvocationMouseHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationMouseHandler.html)            A listener to be registered upon the combo box (*not* its popup menu) to handle mouse events that affect the state of the popup menu. |
| protected  class | [**BasicComboPopup.InvocationMouseMotionHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationMouseMotionHandler.html)            This listener watches for dragging and updates the current selection in the list if it is dragging over the list. |
| protected  class | [**BasicComboPopup.ItemHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ItemHandler.html)            This listener watches for changes to the selection in the combo box. |
| class | [**BasicComboPopup.ListDataHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ListDataHandler.html)            As of 1.4, this class is now obsolete, doesn't do anything, and is only included for backwards API compatibility. |
| protected  class | [**BasicComboPopup.ListMouseHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ListMouseHandler.html)            This listener hides the popup when the mouse is released in the list. |
| protected  class | [**BasicComboPopup.ListMouseMotionHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ListMouseMotionHandler.html)            This listener changes the selected item as you move the mouse over the list. |
| protected  class | [**BasicComboPopup.ListSelectionHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ListSelectionHandler.html)            As of Java 2 platform v 1.4, this class is now obsolete, doesn't do anything, and is only included for backwards API compatibility. |
| protected  class | [**BasicComboPopup.PropertyChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.PropertyChangeHandler.html)            This listener watches for bound properties that have changed in the combo box. |

| **Nested classes/interfaces inherited from class javax.swing.**[**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html) |
| --- |
| [JPopupMenu.AccessibleJPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.AccessibleJPopupMenu.html), [JPopupMenu.Separator](http://docs.google.com/javax/swing/JPopupMenu.Separator.html) |

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

| **Nested classes/interfaces inherited from class java.awt.**[**Container**](http://docs.google.com/java/awt/Container.html) |
| --- |
| [Container.AccessibleAWTContainer](http://docs.google.com/java/awt/Container.AccessibleAWTContainer.html) |

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

| **Field Summary** | |
| --- | --- |
| protected  [Timer](http://docs.google.com/javax/swing/Timer.html) | [**autoscrollTimer**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#autoscrollTimer)            This protected field is implementation specific. |
| protected  [JComboBox](http://docs.google.com/javax/swing/JComboBox.html) | [**comboBox**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#comboBox) |
| protected  boolean | [**hasEntered**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#hasEntered) |
| protected  boolean | [**isAutoScrolling**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#isAutoScrolling) |
| protected  [ItemListener](http://docs.google.com/java/awt/event/ItemListener.html) | [**itemListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#itemListener)            This protected field is implementation specific. |
| protected  [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) | [**keyListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#keyListener)            This protected field is implementation specific. |
| protected  [JList](http://docs.google.com/javax/swing/JList.html) | [**list**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#list)            This protected field is implementation specific. |
| protected  [ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) | [**listDataListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#listDataListener)            This protected field is implementation specific. |
| protected  [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) | [**listMouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#listMouseListener)            This protected field is implementation specific. |
| protected  [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) | [**listMouseMotionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#listMouseMotionListener)            This protected field is implementation specific. |
| protected  [ListSelectionListener](http://docs.google.com/javax/swing/event/ListSelectionListener.html) | [**listSelectionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#listSelectionListener)            This protected field is implementation specific. |
| protected  [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) | [**mouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#mouseListener)            This protected field is implementation specific. |
| protected  [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) | [**mouseMotionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#mouseMotionListener)            This protected field is implementation specific. |
| protected  [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) | [**propertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#propertyChangeListener)            This protected field is implementation specific. |
| protected static int | [**SCROLL\_DOWN**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#SCROLL_DOWN) |
| protected static int | [**SCROLL\_UP**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#SCROLL_UP) |
| protected  int | [**scrollDirection**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#scrollDirection) |
| protected  [JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) | [**scroller**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#scroller)            This protected field is implementation specific. |
| protected  boolean | [**valueIsAdjusting**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#valueIsAdjusting)            As of Java 2 platform v1.4 this previously undocumented field is no longer used. |

| **Fields inherited from class javax.swing.**[**JComponent**](http://docs.google.com/javax/swing/JComponent.html) |
| --- |
| [accessibleContext](http://docs.google.com/javax/swing/JComponent.html#accessibleContext), [listenerList](http://docs.google.com/javax/swing/JComponent.html#listenerList), [TOOL\_TIP\_TEXT\_KEY](http://docs.google.com/javax/swing/JComponent.html#TOOL_TIP_TEXT_KEY), [ui](http://docs.google.com/javax/swing/JComponent.html#ui), [UNDEFINED\_CONDITION](http://docs.google.com/javax/swing/JComponent.html#UNDEFINED_CONDITION), [WHEN\_ANCESTOR\_OF\_FOCUSED\_COMPONENT](http://docs.google.com/javax/swing/JComponent.html#WHEN_ANCESTOR_OF_FOCUSED_COMPONENT), [WHEN\_FOCUSED](http://docs.google.com/javax/swing/JComponent.html#WHEN_FOCUSED), [WHEN\_IN\_FOCUSED\_WINDOW](http://docs.google.com/javax/swing/JComponent.html#WHEN_IN_FOCUSED_WINDOW) |

| **Fields inherited from class java.awt.**[**Component**](http://docs.google.com/java/awt/Component.html) |
| --- |
| [BOTTOM\_ALIGNMENT](http://docs.google.com/java/awt/Component.html#BOTTOM_ALIGNMENT), [CENTER\_ALIGNMENT](http://docs.google.com/java/awt/Component.html#CENTER_ALIGNMENT), [LEFT\_ALIGNMENT](http://docs.google.com/java/awt/Component.html#LEFT_ALIGNMENT), [RIGHT\_ALIGNMENT](http://docs.google.com/java/awt/Component.html#RIGHT_ALIGNMENT), [TOP\_ALIGNMENT](http://docs.google.com/java/awt/Component.html#TOP_ALIGNMENT) |

| **Fields inherited from interface java.awt.image.**[**ImageObserver**](http://docs.google.com/java/awt/image/ImageObserver.html) |
| --- |
| [ABORT](http://docs.google.com/java/awt/image/ImageObserver.html#ABORT), [ALLBITS](http://docs.google.com/java/awt/image/ImageObserver.html#ALLBITS), [ERROR](http://docs.google.com/java/awt/image/ImageObserver.html#ERROR), [FRAMEBITS](http://docs.google.com/java/awt/image/ImageObserver.html#FRAMEBITS), [HEIGHT](http://docs.google.com/java/awt/image/ImageObserver.html#HEIGHT), [PROPERTIES](http://docs.google.com/java/awt/image/ImageObserver.html#PROPERTIES), [SOMEBITS](http://docs.google.com/java/awt/image/ImageObserver.html#SOMEBITS), [WIDTH](http://docs.google.com/java/awt/image/ImageObserver.html#WIDTH) |

| **Constructor Summary** | |
| --- | --- |
| [**BasicComboPopup**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#BasicComboPopup(javax.swing.JComboBox))([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) combo) |

| **Method Summary** | |
| --- | --- |
| protected  void | [**autoScrollDown**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#autoScrollDown())()            This protected method is implementation specific and should be private. |
| protected  void | [**autoScrollUp**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#autoScrollUp())()            This protected method is implementation specific and should be private. |
| protected  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**computePopupBounds**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#computePopupBounds(int,%20int,%20int,%20int))(int px, int py, int pw, int ph)            Calculate the placement and size of the popup portion of the combo box based on the combo box location and the enclosing screen bounds. |
| protected  void | [**configureList**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#configureList())()            Configures the list which is used to hold the combo box items in the popup. |
| protected  void | [**configurePopup**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#configurePopup())()            Configures the popup portion of the combo box. |
| protected  void | [**configureScroller**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#configureScroller())()            Configures the scrollable portion which holds the list within the combo box popup. |
| protected  [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) | [**convertMouseEvent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#convertMouseEvent(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e) |
| protected  [ItemListener](http://docs.google.com/java/awt/event/ItemListener.html) | [**createItemListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createItemListener())()            Creates an ItemListener which will be added to the combo box. |
| protected  [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) | [**createKeyListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createKeyListener())()            Creates the key listener that will be added to the combo box. |
| protected  [JList](http://docs.google.com/javax/swing/JList.html) | [**createList**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createList())()            Creates the JList used in the popup to display the items in the combo box model. |
| protected  [ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) | [**createListDataListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListDataListener())()            Creates a list data listener which will be added to the ComboBoxModel. |
| protected  [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) | [**createListMouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListMouseListener())()            Creates a mouse listener that watches for mouse events in the popup's list. |
| protected  [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) | [**createListMouseMotionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListMouseMotionListener())()            Creates a mouse motion listener that watches for mouse motion events in the popup's list. |
| protected  [ListSelectionListener](http://docs.google.com/javax/swing/event/ListSelectionListener.html) | [**createListSelectionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListSelectionListener())()            Creates a list selection listener that watches for selection changes in the popup's list. |
| protected  [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) | [**createMouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createMouseListener())()            Creates a listener that will watch for mouse-press and release events on the combo box. |
| protected  [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) | [**createMouseMotionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createMouseMotionListener())()            Creates the mouse motion listener which will be added to the combo box. |
| protected  [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) | [**createPropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createPropertyChangeListener())()            Creates a PropertyChangeListener which will be added to the combo box. |
| protected  [JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) | [**createScroller**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createScroller())()            Creates the scroll pane which houses the scrollable list. |
| protected  void | [**delegateFocus**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#delegateFocus(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            This is is a utility method that helps event handlers figure out where to send the focus when the popup is brought up. |
| protected  void | [**firePopupMenuCanceled**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#firePopupMenuCanceled())()            Notifies PopupMenuListeners that this popup menu is cancelled. |
| protected  void | [**firePopupMenuWillBecomeInvisible**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#firePopupMenuWillBecomeInvisible())()            Notifies PopupMenuListeners that this popup menu will become invisible. |
| protected  void | [**firePopupMenuWillBecomeVisible**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#firePopupMenuWillBecomeVisible())()            Notifies PopupMenuListeners that this popup menu will become visible. |
| [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) | [**getAccessibleContext**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getAccessibleContext())()            Gets the AccessibleContext associated with this BasicComboPopup. |
| [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) | [**getKeyListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getKeyListener())()            Implementation of ComboPopup.getKeyListener(). |
| [JList](http://docs.google.com/javax/swing/JList.html) | [**getList**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getList())()            Implementation of ComboPopup.getList(). |
| [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) | [**getMouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getMouseListener())()            Implementation of ComboPopup.getMouseListener(). |
| [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) | [**getMouseMotionListener**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getMouseMotionListener())()            Implementation of ComboPopup.getMouseMotionListener(). |
| protected  int | [**getPopupHeightForRowCount**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getPopupHeightForRowCount(int))(int maxRowCount)            Retrieves the height of the popup based on the current ListCellRenderer and the maximum row count. |
| void | [**hide**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#hide())()            Implementation of ComboPopup.hide(). |
| protected  void | [**installComboBoxListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#installComboBoxListeners())()            This method adds the necessary listeners to the JComboBox. |
| protected  void | [**installComboBoxModelListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#installComboBoxModelListeners(javax.swing.ComboBoxModel))([ComboBoxModel](http://docs.google.com/javax/swing/ComboBoxModel.html) model)            Installs the listeners on the combo box model. |
| protected  void | [**installKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#installKeyboardActions())() |
| protected  void | [**installListListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#installListListeners())()            Adds the listeners to the list control. |
| boolean | [**isFocusTraversable**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#isFocusTraversable())()            Overridden to unconditionally return false. |
| void | [**show**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#show())()            Implementation of ComboPopup.show(). |
| protected  void | [**startAutoScrolling**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#startAutoScrolling(int))(int direction)            This protected method is implementation specific and should be private. |
| protected  void | [**stopAutoScrolling**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#stopAutoScrolling())()            This protected method is implementation specific and should be private. |
| protected  void | [**togglePopup**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#togglePopup())()            Makes the popup visible if it is hidden and makes it hidden if it is visible. |
| protected  void | [**uninstallComboBoxModelListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#uninstallComboBoxModelListeners(javax.swing.ComboBoxModel))([ComboBoxModel](http://docs.google.com/javax/swing/ComboBoxModel.html) model)            Removes the listeners from the combo box model |
| void | [**uninstallingUI**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#uninstallingUI())()            Called when the UI is uninstalling. |
| protected  void | [**uninstallKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#uninstallKeyboardActions())() |
| protected  void | [**updateListBoxSelectionForEvent**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#updateListBoxSelectionForEvent(java.awt.event.MouseEvent,%20boolean))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) anEvent, boolean shouldScroll)            A utility method used by the event listeners. |

| **Methods inherited from class javax.swing.**[**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html) |
| --- |
| [add](http://docs.google.com/javax/swing/JPopupMenu.html#add(javax.swing.Action)), [add](http://docs.google.com/javax/swing/JPopupMenu.html#add(javax.swing.JMenuItem)), [add](http://docs.google.com/javax/swing/JPopupMenu.html#add(java.lang.String)), [addMenuKeyListener](http://docs.google.com/javax/swing/JPopupMenu.html#addMenuKeyListener(javax.swing.event.MenuKeyListener)), [addPopupMenuListener](http://docs.google.com/javax/swing/JPopupMenu.html#addPopupMenuListener(javax.swing.event.PopupMenuListener)), [addSeparator](http://docs.google.com/javax/swing/JPopupMenu.html#addSeparator()), [createActionChangeListener](http://docs.google.com/javax/swing/JPopupMenu.html#createActionChangeListener(javax.swing.JMenuItem)), [createActionComponent](http://docs.google.com/javax/swing/JPopupMenu.html#createActionComponent(javax.swing.Action)), [getComponent](http://docs.google.com/javax/swing/JPopupMenu.html#getComponent()), [getComponentAtIndex](http://docs.google.com/javax/swing/JPopupMenu.html#getComponentAtIndex(int)), [getComponentIndex](http://docs.google.com/javax/swing/JPopupMenu.html#getComponentIndex(java.awt.Component)), [getDefaultLightWeightPopupEnabled](http://docs.google.com/javax/swing/JPopupMenu.html#getDefaultLightWeightPopupEnabled()), [getInvoker](http://docs.google.com/javax/swing/JPopupMenu.html#getInvoker()), [getLabel](http://docs.google.com/javax/swing/JPopupMenu.html#getLabel()), [getMargin](http://docs.google.com/javax/swing/JPopupMenu.html#getMargin()), [getMenuKeyListeners](http://docs.google.com/javax/swing/JPopupMenu.html#getMenuKeyListeners()), [getPopupMenuListeners](http://docs.google.com/javax/swing/JPopupMenu.html#getPopupMenuListeners()), [getSelectionModel](http://docs.google.com/javax/swing/JPopupMenu.html#getSelectionModel()), [getSubElements](http://docs.google.com/javax/swing/JPopupMenu.html#getSubElements()), [getUI](http://docs.google.com/javax/swing/JPopupMenu.html#getUI()), [getUIClassID](http://docs.google.com/javax/swing/JPopupMenu.html#getUIClassID()), [insert](http://docs.google.com/javax/swing/JPopupMenu.html#insert(javax.swing.Action,%20int)), [insert](http://docs.google.com/javax/swing/JPopupMenu.html#insert(java.awt.Component,%20int)), [isBorderPainted](http://docs.google.com/javax/swing/JPopupMenu.html#isBorderPainted()), [isLightWeightPopupEnabled](http://docs.google.com/javax/swing/JPopupMenu.html#isLightWeightPopupEnabled()), [isPopupTrigger](http://docs.google.com/javax/swing/JPopupMenu.html#isPopupTrigger(java.awt.event.MouseEvent)), [isVisible](http://docs.google.com/javax/swing/JPopupMenu.html#isVisible()), [menuSelectionChanged](http://docs.google.com/javax/swing/JPopupMenu.html#menuSelectionChanged(boolean)), [pack](http://docs.google.com/javax/swing/JPopupMenu.html#pack()), [paintBorder](http://docs.google.com/javax/swing/JPopupMenu.html#paintBorder(java.awt.Graphics)), [paramString](http://docs.google.com/javax/swing/JPopupMenu.html#paramString()), [processFocusEvent](http://docs.google.com/javax/swing/JPopupMenu.html#processFocusEvent(java.awt.event.FocusEvent)), [processKeyEvent](http://docs.google.com/javax/swing/JPopupMenu.html#processKeyEvent(java.awt.event.KeyEvent)), [processKeyEvent](http://docs.google.com/javax/swing/JPopupMenu.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager)), [processMouseEvent](http://docs.google.com/javax/swing/JPopupMenu.html#processMouseEvent(java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager)), [remove](http://docs.google.com/javax/swing/JPopupMenu.html#remove(int)), [removeMenuKeyListener](http://docs.google.com/javax/swing/JPopupMenu.html#removeMenuKeyListener(javax.swing.event.MenuKeyListener)), [removePopupMenuListener](http://docs.google.com/javax/swing/JPopupMenu.html#removePopupMenuListener(javax.swing.event.PopupMenuListener)), [setBorderPainted](http://docs.google.com/javax/swing/JPopupMenu.html#setBorderPainted(boolean)), [setDefaultLightWeightPopupEnabled](http://docs.google.com/javax/swing/JPopupMenu.html#setDefaultLightWeightPopupEnabled(boolean)), [setInvoker](http://docs.google.com/javax/swing/JPopupMenu.html#setInvoker(java.awt.Component)), [setLabel](http://docs.google.com/javax/swing/JPopupMenu.html#setLabel(java.lang.String)), [setLightWeightPopupEnabled](http://docs.google.com/javax/swing/JPopupMenu.html#setLightWeightPopupEnabled(boolean)), [setLocation](http://docs.google.com/javax/swing/JPopupMenu.html#setLocation(int,%20int)), [setPopupSize](http://docs.google.com/javax/swing/JPopupMenu.html#setPopupSize(java.awt.Dimension)), [setPopupSize](http://docs.google.com/javax/swing/JPopupMenu.html#setPopupSize(int,%20int)), [setSelected](http://docs.google.com/javax/swing/JPopupMenu.html#setSelected(java.awt.Component)), [setSelectionModel](http://docs.google.com/javax/swing/JPopupMenu.html#setSelectionModel(javax.swing.SingleSelectionModel)), [setUI](http://docs.google.com/javax/swing/JPopupMenu.html#setUI(javax.swing.plaf.PopupMenuUI)), [setVisible](http://docs.google.com/javax/swing/JPopupMenu.html#setVisible(boolean)), [show](http://docs.google.com/javax/swing/JPopupMenu.html#show(java.awt.Component,%20int,%20int)), [updateUI](http://docs.google.com/javax/swing/JPopupMenu.html#updateUI()) |

| **Methods inherited from class javax.swing.**[**JComponent**](http://docs.google.com/javax/swing/JComponent.html) |
| --- |
| [addAncestorListener](http://docs.google.com/javax/swing/JComponent.html#addAncestorListener(javax.swing.event.AncestorListener)), [addNotify](http://docs.google.com/javax/swing/JComponent.html#addNotify()), [addVetoableChangeListener](http://docs.google.com/javax/swing/JComponent.html#addVetoableChangeListener(java.beans.VetoableChangeListener)), [computeVisibleRect](http://docs.google.com/javax/swing/JComponent.html#computeVisibleRect(java.awt.Rectangle)), [contains](http://docs.google.com/javax/swing/JComponent.html#contains(int,%20int)), [createToolTip](http://docs.google.com/javax/swing/JComponent.html#createToolTip()), [disable](http://docs.google.com/javax/swing/JComponent.html#disable()), [enable](http://docs.google.com/javax/swing/JComponent.html#enable()), [firePropertyChange](http://docs.google.com/javax/swing/JComponent.html#firePropertyChange(java.lang.String,%20boolean,%20boolean)), [firePropertyChange](http://docs.google.com/javax/swing/JComponent.html#firePropertyChange(java.lang.String,%20char,%20char)), [firePropertyChange](http://docs.google.com/javax/swing/JComponent.html#firePropertyChange(java.lang.String,%20int,%20int)), [fireVetoableChange](http://docs.google.com/javax/swing/JComponent.html#fireVetoableChange(java.lang.String,%20java.lang.Object,%20java.lang.Object)), [getActionForKeyStroke](http://docs.google.com/javax/swing/JComponent.html#getActionForKeyStroke(javax.swing.KeyStroke)), [getActionMap](http://docs.google.com/javax/swing/JComponent.html#getActionMap()), [getAlignmentX](http://docs.google.com/javax/swing/JComponent.html#getAlignmentX()), [getAlignmentY](http://docs.google.com/javax/swing/JComponent.html#getAlignmentY()), [getAncestorListeners](http://docs.google.com/javax/swing/JComponent.html#getAncestorListeners()), [getAutoscrolls](http://docs.google.com/javax/swing/JComponent.html#getAutoscrolls()), [getBaseline](http://docs.google.com/javax/swing/JComponent.html#getBaseline(int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/JComponent.html#getBaselineResizeBehavior()), [getBorder](http://docs.google.com/javax/swing/JComponent.html#getBorder()), [getBounds](http://docs.google.com/javax/swing/JComponent.html#getBounds(java.awt.Rectangle)), [getClientProperty](http://docs.google.com/javax/swing/JComponent.html#getClientProperty(java.lang.Object)), [getComponentGraphics](http://docs.google.com/javax/swing/JComponent.html#getComponentGraphics(java.awt.Graphics)), [getComponentPopupMenu](http://docs.google.com/javax/swing/JComponent.html#getComponentPopupMenu()), [getConditionForKeyStroke](http://docs.google.com/javax/swing/JComponent.html#getConditionForKeyStroke(javax.swing.KeyStroke)), [getDebugGraphicsOptions](http://docs.google.com/javax/swing/JComponent.html#getDebugGraphicsOptions()), [getDefaultLocale](http://docs.google.com/javax/swing/JComponent.html#getDefaultLocale()), [getFontMetrics](http://docs.google.com/javax/swing/JComponent.html#getFontMetrics(java.awt.Font)), [getGraphics](http://docs.google.com/javax/swing/JComponent.html#getGraphics()), [getHeight](http://docs.google.com/javax/swing/JComponent.html#getHeight()), [getInheritsPopupMenu](http://docs.google.com/javax/swing/JComponent.html#getInheritsPopupMenu()), [getInputMap](http://docs.google.com/javax/swing/JComponent.html#getInputMap()), [getInputMap](http://docs.google.com/javax/swing/JComponent.html#getInputMap(int)), [getInputVerifier](http://docs.google.com/javax/swing/JComponent.html#getInputVerifier()), [getInsets](http://docs.google.com/javax/swing/JComponent.html#getInsets()), [getInsets](http://docs.google.com/javax/swing/JComponent.html#getInsets(java.awt.Insets)), [getListeners](http://docs.google.com/javax/swing/JComponent.html#getListeners(java.lang.Class)), [getLocation](http://docs.google.com/javax/swing/JComponent.html#getLocation(java.awt.Point)), [getMaximumSize](http://docs.google.com/javax/swing/JComponent.html#getMaximumSize()), [getMinimumSize](http://docs.google.com/javax/swing/JComponent.html#getMinimumSize()), [getNextFocusableComponent](http://docs.google.com/javax/swing/JComponent.html#getNextFocusableComponent()), [getPopupLocation](http://docs.google.com/javax/swing/JComponent.html#getPopupLocation(java.awt.event.MouseEvent)), [getPreferredSize](http://docs.google.com/javax/swing/JComponent.html#getPreferredSize()), [getRegisteredKeyStrokes](http://docs.google.com/javax/swing/JComponent.html#getRegisteredKeyStrokes()), [getRootPane](http://docs.google.com/javax/swing/JComponent.html#getRootPane()), [getSize](http://docs.google.com/javax/swing/JComponent.html#getSize(java.awt.Dimension)), [getToolTipLocation](http://docs.google.com/javax/swing/JComponent.html#getToolTipLocation(java.awt.event.MouseEvent)), [getToolTipText](http://docs.google.com/javax/swing/JComponent.html#getToolTipText()), [getToolTipText](http://docs.google.com/javax/swing/JComponent.html#getToolTipText(java.awt.event.MouseEvent)), [getTopLevelAncestor](http://docs.google.com/javax/swing/JComponent.html#getTopLevelAncestor()), [getTransferHandler](http://docs.google.com/javax/swing/JComponent.html#getTransferHandler()), [getVerifyInputWhenFocusTarget](http://docs.google.com/javax/swing/JComponent.html#getVerifyInputWhenFocusTarget()), [getVetoableChangeListeners](http://docs.google.com/javax/swing/JComponent.html#getVetoableChangeListeners()), [getVisibleRect](http://docs.google.com/javax/swing/JComponent.html#getVisibleRect()), [getWidth](http://docs.google.com/javax/swing/JComponent.html#getWidth()), [getX](http://docs.google.com/javax/swing/JComponent.html#getX()), [getY](http://docs.google.com/javax/swing/JComponent.html#getY()), [grabFocus](http://docs.google.com/javax/swing/JComponent.html#grabFocus()), [isDoubleBuffered](http://docs.google.com/javax/swing/JComponent.html#isDoubleBuffered()), [isLightweightComponent](http://docs.google.com/javax/swing/JComponent.html#isLightweightComponent(java.awt.Component)), [isManagingFocus](http://docs.google.com/javax/swing/JComponent.html#isManagingFocus()), [isOpaque](http://docs.google.com/javax/swing/JComponent.html#isOpaque()), [isOptimizedDrawingEnabled](http://docs.google.com/javax/swing/JComponent.html#isOptimizedDrawingEnabled()), [isPaintingForPrint](http://docs.google.com/javax/swing/JComponent.html#isPaintingForPrint()), [isPaintingTile](http://docs.google.com/javax/swing/JComponent.html#isPaintingTile()), [isRequestFocusEnabled](http://docs.google.com/javax/swing/JComponent.html#isRequestFocusEnabled()), [isValidateRoot](http://docs.google.com/javax/swing/JComponent.html#isValidateRoot()), [paint](http://docs.google.com/javax/swing/JComponent.html#paint(java.awt.Graphics)), [paintChildren](http://docs.google.com/javax/swing/JComponent.html#paintChildren(java.awt.Graphics)), [paintComponent](http://docs.google.com/javax/swing/JComponent.html#paintComponent(java.awt.Graphics)), [paintImmediately](http://docs.google.com/javax/swing/JComponent.html#paintImmediately(int,%20int,%20int,%20int)), [paintImmediately](http://docs.google.com/javax/swing/JComponent.html#paintImmediately(java.awt.Rectangle)), [print](http://docs.google.com/javax/swing/JComponent.html#print(java.awt.Graphics)), [printAll](http://docs.google.com/javax/swing/JComponent.html#printAll(java.awt.Graphics)), [printBorder](http://docs.google.com/javax/swing/JComponent.html#printBorder(java.awt.Graphics)), [printChildren](http://docs.google.com/javax/swing/JComponent.html#printChildren(java.awt.Graphics)), [printComponent](http://docs.google.com/javax/swing/JComponent.html#printComponent(java.awt.Graphics)), [processComponentKeyEvent](http://docs.google.com/javax/swing/JComponent.html#processComponentKeyEvent(java.awt.event.KeyEvent)), [processKeyBinding](http://docs.google.com/javax/swing/JComponent.html#processKeyBinding(javax.swing.KeyStroke,%20java.awt.event.KeyEvent,%20int,%20boolean)), [processMouseEvent](http://docs.google.com/javax/swing/JComponent.html#processMouseEvent(java.awt.event.MouseEvent)), [processMouseMotionEvent](http://docs.google.com/javax/swing/JComponent.html#processMouseMotionEvent(java.awt.event.MouseEvent)), [putClientProperty](http://docs.google.com/javax/swing/JComponent.html#putClientProperty(java.lang.Object,%20java.lang.Object)), [registerKeyboardAction](http://docs.google.com/javax/swing/JComponent.html#registerKeyboardAction(java.awt.event.ActionListener,%20javax.swing.KeyStroke,%20int)), [registerKeyboardAction](http://docs.google.com/javax/swing/JComponent.html#registerKeyboardAction(java.awt.event.ActionListener,%20java.lang.String,%20javax.swing.KeyStroke,%20int)), [removeAncestorListener](http://docs.google.com/javax/swing/JComponent.html#removeAncestorListener(javax.swing.event.AncestorListener)), [removeNotify](http://docs.google.com/javax/swing/JComponent.html#removeNotify()), [removeVetoableChangeListener](http://docs.google.com/javax/swing/JComponent.html#removeVetoableChangeListener(java.beans.VetoableChangeListener)), [repaint](http://docs.google.com/javax/swing/JComponent.html#repaint(long,%20int,%20int,%20int,%20int)), [repaint](http://docs.google.com/javax/swing/JComponent.html#repaint(java.awt.Rectangle)), [requestDefaultFocus](http://docs.google.com/javax/swing/JComponent.html#requestDefaultFocus()), [requestFocus](http://docs.google.com/javax/swing/JComponent.html#requestFocus()), [requestFocus](http://docs.google.com/javax/swing/JComponent.html#requestFocus(boolean)), [requestFocusInWindow](http://docs.google.com/javax/swing/JComponent.html#requestFocusInWindow()), [requestFocusInWindow](http://docs.google.com/javax/swing/JComponent.html#requestFocusInWindow(boolean)), [resetKeyboardActions](http://docs.google.com/javax/swing/JComponent.html#resetKeyboardActions()), [reshape](http://docs.google.com/javax/swing/JComponent.html#reshape(int,%20int,%20int,%20int)), [revalidate](http://docs.google.com/javax/swing/JComponent.html#revalidate()), [scrollRectToVisible](http://docs.google.com/javax/swing/JComponent.html#scrollRectToVisible(java.awt.Rectangle)), [setActionMap](http://docs.google.com/javax/swing/JComponent.html#setActionMap(javax.swing.ActionMap)), [setAlignmentX](http://docs.google.com/javax/swing/JComponent.html#setAlignmentX(float)), [setAlignmentY](http://docs.google.com/javax/swing/JComponent.html#setAlignmentY(float)), [setAutoscrolls](http://docs.google.com/javax/swing/JComponent.html#setAutoscrolls(boolean)), [setBackground](http://docs.google.com/javax/swing/JComponent.html#setBackground(java.awt.Color)), [setBorder](http://docs.google.com/javax/swing/JComponent.html#setBorder(javax.swing.border.Border)), [setComponentPopupMenu](http://docs.google.com/javax/swing/JComponent.html#setComponentPopupMenu(javax.swing.JPopupMenu)), [setDebugGraphicsOptions](http://docs.google.com/javax/swing/JComponent.html#setDebugGraphicsOptions(int)), [setDefaultLocale](http://docs.google.com/javax/swing/JComponent.html#setDefaultLocale(java.util.Locale)), [setDoubleBuffered](http://docs.google.com/javax/swing/JComponent.html#setDoubleBuffered(boolean)), [setEnabled](http://docs.google.com/javax/swing/JComponent.html#setEnabled(boolean)), [setFocusTraversalKeys](http://docs.google.com/javax/swing/JComponent.html#setFocusTraversalKeys(int,%20java.util.Set)), [setFont](http://docs.google.com/javax/swing/JComponent.html#setFont(java.awt.Font)), [setForeground](http://docs.google.com/javax/swing/JComponent.html#setForeground(java.awt.Color)), [setInheritsPopupMenu](http://docs.google.com/javax/swing/JComponent.html#setInheritsPopupMenu(boolean)), [setInputMap](http://docs.google.com/javax/swing/JComponent.html#setInputMap(int,%20javax.swing.InputMap)), [setInputVerifier](http://docs.google.com/javax/swing/JComponent.html#setInputVerifier(javax.swing.InputVerifier)), [setMaximumSize](http://docs.google.com/javax/swing/JComponent.html#setMaximumSize(java.awt.Dimension)), [setMinimumSize](http://docs.google.com/javax/swing/JComponent.html#setMinimumSize(java.awt.Dimension)), [setNextFocusableComponent](http://docs.google.com/javax/swing/JComponent.html#setNextFocusableComponent(java.awt.Component)), [setOpaque](http://docs.google.com/javax/swing/JComponent.html#setOpaque(boolean)), [setPreferredSize](http://docs.google.com/javax/swing/JComponent.html#setPreferredSize(java.awt.Dimension)), [setRequestFocusEnabled](http://docs.google.com/javax/swing/JComponent.html#setRequestFocusEnabled(boolean)), [setToolTipText](http://docs.google.com/javax/swing/JComponent.html#setToolTipText(java.lang.String)), [setTransferHandler](http://docs.google.com/javax/swing/JComponent.html#setTransferHandler(javax.swing.TransferHandler)), [setUI](http://docs.google.com/javax/swing/JComponent.html#setUI(javax.swing.plaf.ComponentUI)), [setVerifyInputWhenFocusTarget](http://docs.google.com/javax/swing/JComponent.html#setVerifyInputWhenFocusTarget(boolean)), [unregisterKeyboardAction](http://docs.google.com/javax/swing/JComponent.html#unregisterKeyboardAction(javax.swing.KeyStroke)), [update](http://docs.google.com/javax/swing/JComponent.html#update(java.awt.Graphics)) |

| **Methods inherited from class java.awt.**[**Container**](http://docs.google.com/java/awt/Container.html) |
| --- |
| [add](http://docs.google.com/java/awt/Container.html#add(java.awt.Component)), [add](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20int)), [add](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20java.lang.Object)), [add](http://docs.google.com/java/awt/Container.html#add(java.awt.Component,%20java.lang.Object,%20int)), [add](http://docs.google.com/java/awt/Container.html#add(java.lang.String,%20java.awt.Component)), [addContainerListener](http://docs.google.com/java/awt/Container.html#addContainerListener(java.awt.event.ContainerListener)), [addImpl](http://docs.google.com/java/awt/Container.html#addImpl(java.awt.Component,%20java.lang.Object,%20int)), [addPropertyChangeListener](http://docs.google.com/java/awt/Container.html#addPropertyChangeListener(java.beans.PropertyChangeListener)), [addPropertyChangeListener](http://docs.google.com/java/awt/Container.html#addPropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener)), [applyComponentOrientation](http://docs.google.com/java/awt/Container.html#applyComponentOrientation(java.awt.ComponentOrientation)), [areFocusTraversalKeysSet](http://docs.google.com/java/awt/Container.html#areFocusTraversalKeysSet(int)), [countComponents](http://docs.google.com/java/awt/Container.html#countComponents()), [deliverEvent](http://docs.google.com/java/awt/Container.html#deliverEvent(java.awt.Event)), [doLayout](http://docs.google.com/java/awt/Container.html#doLayout()), [findComponentAt](http://docs.google.com/java/awt/Container.html#findComponentAt(int,%20int)), [findComponentAt](http://docs.google.com/java/awt/Container.html#findComponentAt(java.awt.Point)), [getComponent](http://docs.google.com/java/awt/Container.html#getComponent(int)), [getComponentAt](http://docs.google.com/java/awt/Container.html#getComponentAt(int,%20int)), [getComponentAt](http://docs.google.com/java/awt/Container.html#getComponentAt(java.awt.Point)), [getComponentCount](http://docs.google.com/java/awt/Container.html#getComponentCount()), [getComponents](http://docs.google.com/java/awt/Container.html#getComponents()), [getComponentZOrder](http://docs.google.com/java/awt/Container.html#getComponentZOrder(java.awt.Component)), [getContainerListeners](http://docs.google.com/java/awt/Container.html#getContainerListeners()), [getFocusTraversalKeys](http://docs.google.com/java/awt/Container.html#getFocusTraversalKeys(int)), [getFocusTraversalPolicy](http://docs.google.com/java/awt/Container.html#getFocusTraversalPolicy()), [getLayout](http://docs.google.com/java/awt/Container.html#getLayout()), [getMousePosition](http://docs.google.com/java/awt/Container.html#getMousePosition(boolean)), [insets](http://docs.google.com/java/awt/Container.html#insets()), [invalidate](http://docs.google.com/java/awt/Container.html#invalidate()), [isAncestorOf](http://docs.google.com/java/awt/Container.html#isAncestorOf(java.awt.Component)), [isFocusCycleRoot](http://docs.google.com/java/awt/Container.html#isFocusCycleRoot()), [isFocusCycleRoot](http://docs.google.com/java/awt/Container.html#isFocusCycleRoot(java.awt.Container)), [isFocusTraversalPolicyProvider](http://docs.google.com/java/awt/Container.html#isFocusTraversalPolicyProvider()), [isFocusTraversalPolicySet](http://docs.google.com/java/awt/Container.html#isFocusTraversalPolicySet()), [layout](http://docs.google.com/java/awt/Container.html#layout()), [list](http://docs.google.com/java/awt/Container.html#list(java.io.PrintStream,%20int)), [list](http://docs.google.com/java/awt/Container.html#list(java.io.PrintWriter,%20int)), [locate](http://docs.google.com/java/awt/Container.html#locate(int,%20int)), [minimumSize](http://docs.google.com/java/awt/Container.html#minimumSize()), [paintComponents](http://docs.google.com/java/awt/Container.html#paintComponents(java.awt.Graphics)), [preferredSize](http://docs.google.com/java/awt/Container.html#preferredSize()), [printComponents](http://docs.google.com/java/awt/Container.html#printComponents(java.awt.Graphics)), [processContainerEvent](http://docs.google.com/java/awt/Container.html#processContainerEvent(java.awt.event.ContainerEvent)), [processEvent](http://docs.google.com/java/awt/Container.html#processEvent(java.awt.AWTEvent)), [remove](http://docs.google.com/java/awt/Container.html#remove(java.awt.Component)), [removeAll](http://docs.google.com/java/awt/Container.html#removeAll()), [removeContainerListener](http://docs.google.com/java/awt/Container.html#removeContainerListener(java.awt.event.ContainerListener)), [setComponentZOrder](http://docs.google.com/java/awt/Container.html#setComponentZOrder(java.awt.Component,%20int)), [setFocusCycleRoot](http://docs.google.com/java/awt/Container.html#setFocusCycleRoot(boolean)), [setFocusTraversalPolicy](http://docs.google.com/java/awt/Container.html#setFocusTraversalPolicy(java.awt.FocusTraversalPolicy)), [setFocusTraversalPolicyProvider](http://docs.google.com/java/awt/Container.html#setFocusTraversalPolicyProvider(boolean)), [setLayout](http://docs.google.com/java/awt/Container.html#setLayout(java.awt.LayoutManager)), [transferFocusBackward](http://docs.google.com/java/awt/Container.html#transferFocusBackward()), [transferFocusDownCycle](http://docs.google.com/java/awt/Container.html#transferFocusDownCycle()), [validate](http://docs.google.com/java/awt/Container.html#validate()), [validateTree](http://docs.google.com/java/awt/Container.html#validateTree()) |

| **Methods inherited from class java.awt.**[**Component**](http://docs.google.com/java/awt/Component.html) |
| --- |
| [action](http://docs.google.com/java/awt/Component.html#action(java.awt.Event,%20java.lang.Object)), [add](http://docs.google.com/java/awt/Component.html#add(java.awt.PopupMenu)), [addComponentListener](http://docs.google.com/java/awt/Component.html#addComponentListener(java.awt.event.ComponentListener)), [addFocusListener](http://docs.google.com/java/awt/Component.html#addFocusListener(java.awt.event.FocusListener)), [addHierarchyBoundsListener](http://docs.google.com/java/awt/Component.html#addHierarchyBoundsListener(java.awt.event.HierarchyBoundsListener)), [addHierarchyListener](http://docs.google.com/java/awt/Component.html#addHierarchyListener(java.awt.event.HierarchyListener)), [addInputMethodListener](http://docs.google.com/java/awt/Component.html#addInputMethodListener(java.awt.event.InputMethodListener)), [addKeyListener](http://docs.google.com/java/awt/Component.html#addKeyListener(java.awt.event.KeyListener)), [addMouseListener](http://docs.google.com/java/awt/Component.html#addMouseListener(java.awt.event.MouseListener)), [addMouseMotionListener](http://docs.google.com/java/awt/Component.html#addMouseMotionListener(java.awt.event.MouseMotionListener)), [addMouseWheelListener](http://docs.google.com/java/awt/Component.html#addMouseWheelListener(java.awt.event.MouseWheelListener)), [bounds](http://docs.google.com/java/awt/Component.html#bounds()), [checkImage](http://docs.google.com/java/awt/Component.html#checkImage(java.awt.Image,%20java.awt.image.ImageObserver)), [checkImage](http://docs.google.com/java/awt/Component.html#checkImage(java.awt.Image,%20int,%20int,%20java.awt.image.ImageObserver)), [coalesceEvents](http://docs.google.com/java/awt/Component.html#coalesceEvents(java.awt.AWTEvent,%20java.awt.AWTEvent)), [contains](http://docs.google.com/java/awt/Component.html#contains(java.awt.Point)), [createImage](http://docs.google.com/java/awt/Component.html#createImage(java.awt.image.ImageProducer)), [createImage](http://docs.google.com/java/awt/Component.html#createImage(int,%20int)), [createVolatileImage](http://docs.google.com/java/awt/Component.html#createVolatileImage(int,%20int)), [createVolatileImage](http://docs.google.com/java/awt/Component.html#createVolatileImage(int,%20int,%20java.awt.ImageCapabilities)), [disableEvents](http://docs.google.com/java/awt/Component.html#disableEvents(long)), [dispatchEvent](http://docs.google.com/java/awt/Component.html#dispatchEvent(java.awt.AWTEvent)), [enable](http://docs.google.com/java/awt/Component.html#enable(boolean)), [enableEvents](http://docs.google.com/java/awt/Component.html#enableEvents(long)), [enableInputMethods](http://docs.google.com/java/awt/Component.html#enableInputMethods(boolean)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20byte,%20byte)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20double,%20double)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20float,%20float)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20long,%20long)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20java.lang.Object,%20java.lang.Object)), [firePropertyChange](http://docs.google.com/java/awt/Component.html#firePropertyChange(java.lang.String,%20short,%20short)), [getBackground](http://docs.google.com/java/awt/Component.html#getBackground()), [getBounds](http://docs.google.com/java/awt/Component.html#getBounds()), [getColorModel](http://docs.google.com/java/awt/Component.html#getColorModel()), [getComponentListeners](http://docs.google.com/java/awt/Component.html#getComponentListeners()), [getComponentOrientation](http://docs.google.com/java/awt/Component.html#getComponentOrientation()), [getCursor](http://docs.google.com/java/awt/Component.html#getCursor()), [getDropTarget](http://docs.google.com/java/awt/Component.html#getDropTarget()), [getFocusCycleRootAncestor](http://docs.google.com/java/awt/Component.html#getFocusCycleRootAncestor()), [getFocusListeners](http://docs.google.com/java/awt/Component.html#getFocusListeners()), [getFocusTraversalKeysEnabled](http://docs.google.com/java/awt/Component.html#getFocusTraversalKeysEnabled()), [getFont](http://docs.google.com/java/awt/Component.html#getFont()), [getForeground](http://docs.google.com/java/awt/Component.html#getForeground()), [getGraphicsConfiguration](http://docs.google.com/java/awt/Component.html#getGraphicsConfiguration()), [getHierarchyBoundsListeners](http://docs.google.com/java/awt/Component.html#getHierarchyBoundsListeners()), [getHierarchyListeners](http://docs.google.com/java/awt/Component.html#getHierarchyListeners()), [getIgnoreRepaint](http://docs.google.com/java/awt/Component.html#getIgnoreRepaint()), [getInputContext](http://docs.google.com/java/awt/Component.html#getInputContext()), [getInputMethodListeners](http://docs.google.com/java/awt/Component.html#getInputMethodListeners()), [getInputMethodRequests](http://docs.google.com/java/awt/Component.html#getInputMethodRequests()), [getKeyListeners](http://docs.google.com/java/awt/Component.html#getKeyListeners()), [getLocale](http://docs.google.com/java/awt/Component.html#getLocale()), [getLocation](http://docs.google.com/java/awt/Component.html#getLocation()), [getLocationOnScreen](http://docs.google.com/java/awt/Component.html#getLocationOnScreen()), [getMouseListeners](http://docs.google.com/java/awt/Component.html#getMouseListeners()), [getMouseMotionListeners](http://docs.google.com/java/awt/Component.html#getMouseMotionListeners()), [getMousePosition](http://docs.google.com/java/awt/Component.html#getMousePosition()), [getMouseWheelListeners](http://docs.google.com/java/awt/Component.html#getMouseWheelListeners()), [getName](http://docs.google.com/java/awt/Component.html#getName()), [getParent](http://docs.google.com/java/awt/Component.html#getParent()), [getPeer](http://docs.google.com/java/awt/Component.html#getPeer()), [getPropertyChangeListeners](http://docs.google.com/java/awt/Component.html#getPropertyChangeListeners()), [getPropertyChangeListeners](http://docs.google.com/java/awt/Component.html#getPropertyChangeListeners(java.lang.String)), [getSize](http://docs.google.com/java/awt/Component.html#getSize()), [getToolkit](http://docs.google.com/java/awt/Component.html#getToolkit()), [getTreeLock](http://docs.google.com/java/awt/Component.html#getTreeLock()), [gotFocus](http://docs.google.com/java/awt/Component.html#gotFocus(java.awt.Event,%20java.lang.Object)), [handleEvent](http://docs.google.com/java/awt/Component.html#handleEvent(java.awt.Event)), [hasFocus](http://docs.google.com/java/awt/Component.html#hasFocus()), [imageUpdate](http://docs.google.com/java/awt/Component.html#imageUpdate(java.awt.Image,%20int,%20int,%20int,%20int,%20int)), [inside](http://docs.google.com/java/awt/Component.html#inside(int,%20int)), [isBackgroundSet](http://docs.google.com/java/awt/Component.html#isBackgroundSet()), [isCursorSet](http://docs.google.com/java/awt/Component.html#isCursorSet()), [isDisplayable](http://docs.google.com/java/awt/Component.html#isDisplayable()), [isEnabled](http://docs.google.com/java/awt/Component.html#isEnabled()), [isFocusable](http://docs.google.com/java/awt/Component.html#isFocusable()), [isFocusOwner](http://docs.google.com/java/awt/Component.html#isFocusOwner()), [isFontSet](http://docs.google.com/java/awt/Component.html#isFontSet()), [isForegroundSet](http://docs.google.com/java/awt/Component.html#isForegroundSet()), [isLightweight](http://docs.google.com/java/awt/Component.html#isLightweight()), [isMaximumSizeSet](http://docs.google.com/java/awt/Component.html#isMaximumSizeSet()), [isMinimumSizeSet](http://docs.google.com/java/awt/Component.html#isMinimumSizeSet()), [isPreferredSizeSet](http://docs.google.com/java/awt/Component.html#isPreferredSizeSet()), [isShowing](http://docs.google.com/java/awt/Component.html#isShowing()), [isValid](http://docs.google.com/java/awt/Component.html#isValid()), [keyDown](http://docs.google.com/java/awt/Component.html#keyDown(java.awt.Event,%20int)), [keyUp](http://docs.google.com/java/awt/Component.html#keyUp(java.awt.Event,%20int)), [list](http://docs.google.com/java/awt/Component.html#list()), [list](http://docs.google.com/java/awt/Component.html#list(java.io.PrintStream)), [list](http://docs.google.com/java/awt/Component.html#list(java.io.PrintWriter)), [location](http://docs.google.com/java/awt/Component.html#location()), [lostFocus](http://docs.google.com/java/awt/Component.html#lostFocus(java.awt.Event,%20java.lang.Object)), [mouseDown](http://docs.google.com/java/awt/Component.html#mouseDown(java.awt.Event,%20int,%20int)), [mouseDrag](http://docs.google.com/java/awt/Component.html#mouseDrag(java.awt.Event,%20int,%20int)), [mouseEnter](http://docs.google.com/java/awt/Component.html#mouseEnter(java.awt.Event,%20int,%20int)), [mouseExit](http://docs.google.com/java/awt/Component.html#mouseExit(java.awt.Event,%20int,%20int)), [mouseMove](http://docs.google.com/java/awt/Component.html#mouseMove(java.awt.Event,%20int,%20int)), [mouseUp](http://docs.google.com/java/awt/Component.html#mouseUp(java.awt.Event,%20int,%20int)), [move](http://docs.google.com/java/awt/Component.html#move(int,%20int)), [nextFocus](http://docs.google.com/java/awt/Component.html#nextFocus()), [paintAll](http://docs.google.com/java/awt/Component.html#paintAll(java.awt.Graphics)), [postEvent](http://docs.google.com/java/awt/Component.html#postEvent(java.awt.Event)), [prepareImage](http://docs.google.com/java/awt/Component.html#prepareImage(java.awt.Image,%20java.awt.image.ImageObserver)), [prepareImage](http://docs.google.com/java/awt/Component.html#prepareImage(java.awt.Image,%20int,%20int,%20java.awt.image.ImageObserver)), [processComponentEvent](http://docs.google.com/java/awt/Component.html#processComponentEvent(java.awt.event.ComponentEvent)), [processHierarchyBoundsEvent](http://docs.google.com/java/awt/Component.html#processHierarchyBoundsEvent(java.awt.event.HierarchyEvent)), [processHierarchyEvent](http://docs.google.com/java/awt/Component.html#processHierarchyEvent(java.awt.event.HierarchyEvent)), [processInputMethodEvent](http://docs.google.com/java/awt/Component.html#processInputMethodEvent(java.awt.event.InputMethodEvent)), [processMouseWheelEvent](http://docs.google.com/java/awt/Component.html#processMouseWheelEvent(java.awt.event.MouseWheelEvent)), [remove](http://docs.google.com/java/awt/Component.html#remove(java.awt.MenuComponent)), [removeComponentListener](http://docs.google.com/java/awt/Component.html#removeComponentListener(java.awt.event.ComponentListener)), [removeFocusListener](http://docs.google.com/java/awt/Component.html#removeFocusListener(java.awt.event.FocusListener)), [removeHierarchyBoundsListener](http://docs.google.com/java/awt/Component.html#removeHierarchyBoundsListener(java.awt.event.HierarchyBoundsListener)), [removeHierarchyListener](http://docs.google.com/java/awt/Component.html#removeHierarchyListener(java.awt.event.HierarchyListener)), [removeInputMethodListener](http://docs.google.com/java/awt/Component.html#removeInputMethodListener(java.awt.event.InputMethodListener)), [removeKeyListener](http://docs.google.com/java/awt/Component.html#removeKeyListener(java.awt.event.KeyListener)), [removeMouseListener](http://docs.google.com/java/awt/Component.html#removeMouseListener(java.awt.event.MouseListener)), [removeMouseMotionListener](http://docs.google.com/java/awt/Component.html#removeMouseMotionListener(java.awt.event.MouseMotionListener)), [removeMouseWheelListener](http://docs.google.com/java/awt/Component.html#removeMouseWheelListener(java.awt.event.MouseWheelListener)), [removePropertyChangeListener](http://docs.google.com/java/awt/Component.html#removePropertyChangeListener(java.beans.PropertyChangeListener)), [removePropertyChangeListener](http://docs.google.com/java/awt/Component.html#removePropertyChangeListener(java.lang.String,%20java.beans.PropertyChangeListener)), [repaint](http://docs.google.com/java/awt/Component.html#repaint()), [repaint](http://docs.google.com/java/awt/Component.html#repaint(int,%20int,%20int,%20int)), [repaint](http://docs.google.com/java/awt/Component.html#repaint(long)), [resize](http://docs.google.com/java/awt/Component.html#resize(java.awt.Dimension)), [resize](http://docs.google.com/java/awt/Component.html#resize(int,%20int)), [setBounds](http://docs.google.com/java/awt/Component.html#setBounds(int,%20int,%20int,%20int)), [setBounds](http://docs.google.com/java/awt/Component.html#setBounds(java.awt.Rectangle)), [setComponentOrientation](http://docs.google.com/java/awt/Component.html#setComponentOrientation(java.awt.ComponentOrientation)), [setCursor](http://docs.google.com/java/awt/Component.html#setCursor(java.awt.Cursor)), [setDropTarget](http://docs.google.com/java/awt/Component.html#setDropTarget(java.awt.dnd.DropTarget)), [setFocusable](http://docs.google.com/java/awt/Component.html#setFocusable(boolean)), [setFocusTraversalKeysEnabled](http://docs.google.com/java/awt/Component.html#setFocusTraversalKeysEnabled(boolean)), [setIgnoreRepaint](http://docs.google.com/java/awt/Component.html#setIgnoreRepaint(boolean)), [setLocale](http://docs.google.com/java/awt/Component.html#setLocale(java.util.Locale)), [setLocation](http://docs.google.com/java/awt/Component.html#setLocation(java.awt.Point)), [setName](http://docs.google.com/java/awt/Component.html#setName(java.lang.String)), [setSize](http://docs.google.com/java/awt/Component.html#setSize(java.awt.Dimension)), [setSize](http://docs.google.com/java/awt/Component.html#setSize(int,%20int)), [show](http://docs.google.com/java/awt/Component.html#show(boolean)), [size](http://docs.google.com/java/awt/Component.html#size()), [toString](http://docs.google.com/java/awt/Component.html#toString()), [transferFocus](http://docs.google.com/java/awt/Component.html#transferFocus()), [transferFocusUpCycle](http://docs.google.com/java/awt/Component.html#transferFocusUpCycle()) |

| **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()), [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.swing.plaf.basic.**[**ComboPopup**](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html) |
| --- |
| [isVisible](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#isVisible()) |

| **Field Detail** |
| --- |

### comboBox

protected [JComboBox](http://docs.google.com/javax/swing/JComboBox.html) **comboBox**

### list

protected [JList](http://docs.google.com/javax/swing/JList.html) **list**

This protected field is implementation specific. Do not access directly or override. Use the accessor methods instead.

**See Also:**[getList()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getList()), [createList()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createList())

### scroller

protected [JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) **scroller**

This protected field is implementation specific. Do not access directly or override. Use the create method instead

**See Also:**[createScroller()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createScroller())

### valueIsAdjusting

protected boolean **valueIsAdjusting**

As of Java 2 platform v1.4 this previously undocumented field is no longer used.

### mouseMotionListener

protected [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **mouseMotionListener**

This protected field is implementation specific. Do not access directly or override. Use the accessor or create methods instead.

**See Also:**[getMouseMotionListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getMouseMotionListener()), [createMouseMotionListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createMouseMotionListener())

### mouseListener

protected [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **mouseListener**

This protected field is implementation specific. Do not access directly or override. Use the accessor or create methods instead.

**See Also:**[getMouseListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getMouseListener()), [createMouseListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createMouseListener())

### keyListener

protected [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) **keyListener**

This protected field is implementation specific. Do not access directly or override. Use the accessor or create methods instead.

**See Also:**[getKeyListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#getKeyListener()), [createKeyListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createKeyListener())

### listSelectionListener

protected [ListSelectionListener](http://docs.google.com/javax/swing/event/ListSelectionListener.html) **listSelectionListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead.

**See Also:**[createListSelectionListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListSelectionListener())

### listMouseListener

protected [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **listMouseListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead.

**See Also:**[createListMouseListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListMouseListener())

### listMouseMotionListener

protected [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **listMouseMotionListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead

**See Also:**[createListMouseMotionListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListMouseMotionListener())

### propertyChangeListener

protected [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **propertyChangeListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead

**See Also:**[createPropertyChangeListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createPropertyChangeListener())

### listDataListener

protected [ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) **listDataListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead

**See Also:**[createListDataListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createListDataListener())

### itemListener

protected [ItemListener](http://docs.google.com/java/awt/event/ItemListener.html) **itemListener**

This protected field is implementation specific. Do not access directly or override. Use the create method instead

**See Also:**[createItemListener()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createItemListener())

### autoscrollTimer

protected [Timer](http://docs.google.com/javax/swing/Timer.html) **autoscrollTimer**

This protected field is implementation specific. Do not access directly or override.

### hasEntered

protected boolean **hasEntered**

### isAutoScrolling

protected boolean **isAutoScrolling**

### scrollDirection

protected int **scrollDirection**

### SCROLL\_UP

protected static final int **SCROLL\_UP**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.plaf.basic.BasicComboPopup.SCROLL_UP)

### SCROLL\_DOWN

protected static final int **SCROLL\_DOWN**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.plaf.basic.BasicComboPopup.SCROLL_DOWN)

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

### BasicComboPopup

public **BasicComboPopup**([JComboBox](http://docs.google.com/javax/swing/JComboBox.html) combo)

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

### show

public void **show**()

Implementation of ComboPopup.show().

**Specified by:**[show](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#show()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html)**Overrides:**[show](http://docs.google.com/java/awt/Component.html#show()) in class [Component](http://docs.google.com/java/awt/Component.html)

### hide

public void **hide**()

Implementation of ComboPopup.hide().

**Specified by:**[hide](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#hide()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html)**Overrides:**[hide](http://docs.google.com/java/awt/Component.html#hide()) in class [Component](http://docs.google.com/java/awt/Component.html)

### getList

public [JList](http://docs.google.com/javax/swing/JList.html) **getList**()

Implementation of ComboPopup.getList().

**Specified by:**[getList](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getList()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html)

### getMouseListener

public [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **getMouseListener**()

Implementation of ComboPopup.getMouseListener().

**Specified by:**[getMouseListener](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getMouseListener()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html) **Returns:**a MouseListener or null**See Also:**[ComboPopup.getMouseListener()](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getMouseListener())

### getMouseMotionListener

public [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **getMouseMotionListener**()

Implementation of ComboPopup.getMouseMotionListener().

**Specified by:**[getMouseMotionListener](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getMouseMotionListener()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html) **Returns:**a MouseMotionListener or null**See Also:**[ComboPopup.getMouseMotionListener()](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getMouseMotionListener())

### getKeyListener

public [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) **getKeyListener**()

Implementation of ComboPopup.getKeyListener().

**Specified by:**[getKeyListener](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getKeyListener()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html) **Returns:**a KeyListener or null**See Also:**[ComboPopup.getKeyListener()](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#getKeyListener())

### uninstallingUI

public void **uninstallingUI**()

Called when the UI is uninstalling. Since this popup isn't in the component tree, it won't get it's uninstallUI() called. It removes the listeners that were added in addComboBoxListeners().

**Specified by:**[uninstallingUI](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html#uninstallingUI()) in interface [ComboPopup](http://docs.google.com/javax/swing/plaf/basic/ComboPopup.html)

### uninstallComboBoxModelListeners

protected void **uninstallComboBoxModelListeners**([ComboBoxModel](http://docs.google.com/javax/swing/ComboBoxModel.html) model)

Removes the listeners from the combo box model

**Parameters:**model - The combo box model to install listeners**See Also:**[installComboBoxModelListeners(javax.swing.ComboBoxModel)](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#installComboBoxModelListeners(javax.swing.ComboBoxModel))

### uninstallKeyboardActions

protected void **uninstallKeyboardActions**()

### firePopupMenuWillBecomeVisible

protected void **firePopupMenuWillBecomeVisible**()

**Description copied from class:** [**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuWillBecomeVisible()) Notifies PopupMenuListeners that this popup menu will become visible.

**Overrides:**[firePopupMenuWillBecomeVisible](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuWillBecomeVisible()) in class [JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html)

### firePopupMenuWillBecomeInvisible

protected void **firePopupMenuWillBecomeInvisible**()

**Description copied from class:** [**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuWillBecomeInvisible()) Notifies PopupMenuListeners that this popup menu will become invisible.

**Overrides:**[firePopupMenuWillBecomeInvisible](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuWillBecomeInvisible()) in class [JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html)

### firePopupMenuCanceled

protected void **firePopupMenuCanceled**()

**Description copied from class:** [**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuCanceled()) Notifies PopupMenuListeners that this popup menu is cancelled.

**Overrides:**[firePopupMenuCanceled](http://docs.google.com/javax/swing/JPopupMenu.html#firePopupMenuCanceled()) in class [JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html)

### createMouseListener

protected [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **createMouseListener**()

Creates a listener that will watch for mouse-press and release events on the combo box. **Warning:** When overriding this method, make sure to maintain the existing behavior.

**Returns:**a MouseListener which will be added to the combo box or null

### createMouseMotionListener

protected [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **createMouseMotionListener**()

Creates the mouse motion listener which will be added to the combo box. **Warning:** When overriding this method, make sure to maintain the existing behavior.

**Returns:**a MouseMotionListener which will be added to the combo box or null

### createKeyListener

protected [KeyListener](http://docs.google.com/java/awt/event/KeyListener.html) **createKeyListener**()

Creates the key listener that will be added to the combo box. If this method returns null then it will not be added to the combo box.

**Returns:**a KeyListener or null

### createListSelectionListener

protected [ListSelectionListener](http://docs.google.com/javax/swing/event/ListSelectionListener.html) **createListSelectionListener**()

Creates a list selection listener that watches for selection changes in the popup's list. If this method returns null then it will not be added to the popup list.

**Returns:**an instance of a ListSelectionListener or null

### createListDataListener

protected [ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) **createListDataListener**()

Creates a list data listener which will be added to the ComboBoxModel. If this method returns null then it will not be added to the combo box model.

**Returns:**an instance of a ListDataListener or null

### createListMouseListener

protected [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **createListMouseListener**()

Creates a mouse listener that watches for mouse events in the popup's list. If this method returns null then it will not be added to the combo box.

**Returns:**an instance of a MouseListener or null

### createListMouseMotionListener

protected [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **createListMouseMotionListener**()

Creates a mouse motion listener that watches for mouse motion events in the popup's list. If this method returns null then it will not be added to the combo box.

**Returns:**an instance of a MouseMotionListener or null

### createPropertyChangeListener

protected [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **createPropertyChangeListener**()

Creates a PropertyChangeListener which will be added to the combo box. If this method returns null then it will not be added to the combo box.

**Returns:**an instance of a PropertyChangeListener or null

### createItemListener

protected [ItemListener](http://docs.google.com/java/awt/event/ItemListener.html) **createItemListener**()

Creates an ItemListener which will be added to the combo box. If this method returns null then it will not be added to the combo box.

Subclasses may override this method to return instances of their own ItemEvent handlers.

**Returns:**an instance of an ItemListener or null

### createList

protected [JList](http://docs.google.com/javax/swing/JList.html) **createList**()

Creates the JList used in the popup to display the items in the combo box model. This method is called when the UI class is created.

**Returns:**a JList used to display the combo box items

### configureList

protected void **configureList**()

Configures the list which is used to hold the combo box items in the popup. This method is called when the UI class is created.

**See Also:**[createList()](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#createList())

### installListListeners

protected void **installListListeners**()

Adds the listeners to the list control.

### createScroller

protected [JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) **createScroller**()

Creates the scroll pane which houses the scrollable list.

### configureScroller

protected void **configureScroller**()

Configures the scrollable portion which holds the list within the combo box popup. This method is called when the UI class is created.

### configurePopup

protected void **configurePopup**()

Configures the popup portion of the combo box. This method is called when the UI class is created.

### installComboBoxListeners

protected void **installComboBoxListeners**()

This method adds the necessary listeners to the JComboBox.

### installComboBoxModelListeners

protected void **installComboBoxModelListeners**([ComboBoxModel](http://docs.google.com/javax/swing/ComboBoxModel.html) model)

Installs the listeners on the combo box model. Any listeners installed on the combo box model should be removed in uninstallComboBoxModelListeners.

**Parameters:**model - The combo box model to install listeners**See Also:**[uninstallComboBoxModelListeners(javax.swing.ComboBoxModel)](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html#uninstallComboBoxModelListeners(javax.swing.ComboBoxModel))

### installKeyboardActions

protected void **installKeyboardActions**()

### isFocusTraversable

public boolean **isFocusTraversable**()

Overridden to unconditionally return false.

**Overrides:**[isFocusTraversable](http://docs.google.com/java/awt/Component.html#isFocusTraversable()) in class [Component](http://docs.google.com/java/awt/Component.html) **Returns:**true if this Component is focusable; false otherwise**See Also:**[Component.setFocusable(boolean)](http://docs.google.com/java/awt/Component.html#setFocusable(boolean))

### startAutoScrolling

protected void **startAutoScrolling**(int direction)

This protected method is implementation specific and should be private. do not call or override.

### stopAutoScrolling

protected void **stopAutoScrolling**()

This protected method is implementation specific and should be private. do not call or override.

### autoScrollUp

protected void **autoScrollUp**()

This protected method is implementation specific and should be private. do not call or override.

### autoScrollDown

protected void **autoScrollDown**()

This protected method is implementation specific and should be private. do not call or override.

### getAccessibleContext

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

Gets the AccessibleContext associated with this BasicComboPopup. The AccessibleContext will have its parent set to the ComboBox.

**Specified by:**[getAccessibleContext](http://docs.google.com/javax/accessibility/Accessible.html#getAccessibleContext()) in interface [Accessible](http://docs.google.com/javax/accessibility/Accessible.html)**Overrides:**[getAccessibleContext](http://docs.google.com/javax/swing/JPopupMenu.html#getAccessibleContext()) in class [JPopupMenu](http://docs.google.com/javax/swing/JPopupMenu.html) **Returns:**an AccessibleContext for the BasicComboPopup**Since:** 1.5

### delegateFocus

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

This is is a utility method that helps event handlers figure out where to send the focus when the popup is brought up. The standard implementation delegates the focus to the editor (if the combo box is editable) or to the JComboBox if it is not editable.

### togglePopup

protected void **togglePopup**()

Makes the popup visible if it is hidden and makes it hidden if it is visible.

### convertMouseEvent

protected [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) **convertMouseEvent**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

### getPopupHeightForRowCount

protected int **getPopupHeightForRowCount**(int maxRowCount)

Retrieves the height of the popup based on the current ListCellRenderer and the maximum row count.

### computePopupBounds

protected [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **computePopupBounds**(int px,  
 int py,  
 int pw,  
 int ph)

Calculate the placement and size of the popup portion of the combo box based on the combo box location and the enclosing screen bounds. If no transformations are required, then the returned rectangle will have the same values as the parameters.

**Parameters:**px - starting x locationpy - starting y locationpw - starting widthph - starting height **Returns:**a rectangle which represents the placement and size of the popup

### updateListBoxSelectionForEvent

protected void **updateListBoxSelectionForEvent**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) anEvent,  
 boolean shouldScroll)

A utility method used by the event listeners. Given a mouse event, it changes the list selection to the list item below the mouse.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicComboPopup.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/BasicComboBoxUI.PropertyChangeHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationKeyHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicComboPopup.html)    [**NO FRAMES**](http://docs.google.com/BasicComboPopup.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#4d34og8) | [CONSTR](#26in1rg) | [METHOD](#lnxbz9) | DETAIL: [FIELD](#1y810tw) | [CONSTR](#3fwokq0) | [METHOD](#4f1mdlm) |

[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).