| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/swing/plaf/metal/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/multi/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.swing.plaf.multi

Provides user interface objects that combine two or more look and feels.

**See:**

[**Description**](#3znysh7)

| **Class Summary** | |
| --- | --- |
| [**MultiButtonUI**](http://docs.google.com/javax/swing/plaf/multi/MultiButtonUI.html) | A multiplexing UI used to combine ButtonUIs. |
| [**MultiColorChooserUI**](http://docs.google.com/javax/swing/plaf/multi/MultiColorChooserUI.html) | A multiplexing UI used to combine ColorChooserUIs. |
| [**MultiComboBoxUI**](http://docs.google.com/javax/swing/plaf/multi/MultiComboBoxUI.html) | A multiplexing UI used to combine ComboBoxUIs. |
| [**MultiDesktopIconUI**](http://docs.google.com/javax/swing/plaf/multi/MultiDesktopIconUI.html) | A multiplexing UI used to combine DesktopIconUIs. |
| [**MultiDesktopPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiDesktopPaneUI.html) | A multiplexing UI used to combine DesktopPaneUIs. |
| [**MultiFileChooserUI**](http://docs.google.com/javax/swing/plaf/multi/MultiFileChooserUI.html) | A multiplexing UI used to combine FileChooserUIs. |
| [**MultiInternalFrameUI**](http://docs.google.com/javax/swing/plaf/multi/MultiInternalFrameUI.html) | A multiplexing UI used to combine InternalFrameUIs. |
| [**MultiLabelUI**](http://docs.google.com/javax/swing/plaf/multi/MultiLabelUI.html) | A multiplexing UI used to combine LabelUIs. |
| [**MultiListUI**](http://docs.google.com/javax/swing/plaf/multi/MultiListUI.html) | A multiplexing UI used to combine ListUIs. |
| [**MultiLookAndFeel**](http://docs.google.com/javax/swing/plaf/multi/MultiLookAndFeel.html) | A multiplexing look and feel that allows more than one UI to be associated with a component at the same time. |
| [**MultiMenuBarUI**](http://docs.google.com/javax/swing/plaf/multi/MultiMenuBarUI.html) | A multiplexing UI used to combine MenuBarUIs. |
| [**MultiMenuItemUI**](http://docs.google.com/javax/swing/plaf/multi/MultiMenuItemUI.html) | A multiplexing UI used to combine MenuItemUIs. |
| [**MultiOptionPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiOptionPaneUI.html) | A multiplexing UI used to combine OptionPaneUIs. |
| [**MultiPanelUI**](http://docs.google.com/javax/swing/plaf/multi/MultiPanelUI.html) | A multiplexing UI used to combine PanelUIs. |
| [**MultiPopupMenuUI**](http://docs.google.com/javax/swing/plaf/multi/MultiPopupMenuUI.html) | A multiplexing UI used to combine PopupMenuUIs. |
| [**MultiProgressBarUI**](http://docs.google.com/javax/swing/plaf/multi/MultiProgressBarUI.html) | A multiplexing UI used to combine ProgressBarUIs. |
| [**MultiRootPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiRootPaneUI.html) | A multiplexing UI used to combine RootPaneUIs. |
| [**MultiScrollBarUI**](http://docs.google.com/javax/swing/plaf/multi/MultiScrollBarUI.html) | A multiplexing UI used to combine ScrollBarUIs. |
| [**MultiScrollPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiScrollPaneUI.html) | A multiplexing UI used to combine ScrollPaneUIs. |
| [**MultiSeparatorUI**](http://docs.google.com/javax/swing/plaf/multi/MultiSeparatorUI.html) | A multiplexing UI used to combine SeparatorUIs. |
| [**MultiSliderUI**](http://docs.google.com/javax/swing/plaf/multi/MultiSliderUI.html) | A multiplexing UI used to combine SliderUIs. |
| [**MultiSpinnerUI**](http://docs.google.com/javax/swing/plaf/multi/MultiSpinnerUI.html) | A multiplexing UI used to combine SpinnerUIs. |
| [**MultiSplitPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiSplitPaneUI.html) | A multiplexing UI used to combine SplitPaneUIs. |
| [**MultiTabbedPaneUI**](http://docs.google.com/javax/swing/plaf/multi/MultiTabbedPaneUI.html) | A multiplexing UI used to combine TabbedPaneUIs. |
| [**MultiTableHeaderUI**](http://docs.google.com/javax/swing/plaf/multi/MultiTableHeaderUI.html) | A multiplexing UI used to combine TableHeaderUIs. |
| [**MultiTableUI**](http://docs.google.com/javax/swing/plaf/multi/MultiTableUI.html) | A multiplexing UI used to combine TableUIs. |
| [**MultiTextUI**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html) | A multiplexing UI used to combine TextUIs. |
| [**MultiToolBarUI**](http://docs.google.com/javax/swing/plaf/multi/MultiToolBarUI.html) | A multiplexing UI used to combine ToolBarUIs. |
| [**MultiToolTipUI**](http://docs.google.com/javax/swing/plaf/multi/MultiToolTipUI.html) | A multiplexing UI used to combine ToolTipUIs. |
| [**MultiTreeUI**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html) | A multiplexing UI used to combine TreeUIs. |
| [**MultiViewportUI**](http://docs.google.com/javax/swing/plaf/multi/MultiViewportUI.html) | A multiplexing UI used to combine ViewportUIs. |

## Package javax.swing.plaf.multi Description

Provides user interface objects that combine two or more look and feels. When a component asks for its UI, this look and feel returns a multiplexing UI that handles all communications with both the default look and feel and one or more auxiliary look and feels. For example, if a user combines an auxiliary audio look and feel with the Motif look and feel, the JButton.getUI method would return an instance of MultiButtonUI, which would handle both a MotifButtonUI and an AudioButtonUI.

For more information, see [Using the Multiplexing Look and Feel.](http://docs.google.com/doc-files/multi_tsc.html)

**Note:** Most of the Swing API is *not* thread safe. For details, see [Threads and Swing](http://java.sun.com/docs/books/tutorial/uiswing/overview/threads.html), a section in [*The Java Tutorial*](http://java.sun.com/docs/books/tutorial/).

**Since:** 1.2

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/swing/plaf/metal/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/multi/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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