NSComboBox Class Reference

Cocoa > User Experience

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NSComboBox Class Reference

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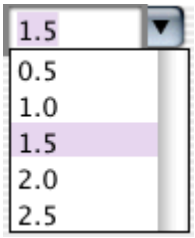
Conforms to	NSUserInterfaceValidations (NSTextField) NSAnimatablePropertyContainer (NSView) NSCoding (NSResponder) NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Combo Box Programming Topics
Declared in	NSComboBox.h
Related sample code	LSMSmartCategorizer QTAudioExtractionPanel QTKitPlayer URL CacheInfo

Overview

An `NSComboBox` is a kind of `NSControl` that allows you to either enter text directly (as you would with an `NSTextField`) or click the attached arrow at the right of the combo box and select from a displayed ("pop-up") list of items. It normally looks like this:

When you click the downward-pointing arrow at the right side of the text field, the pop-up list appears, like this:



The `NSComboBox` class uses `NSComboBoxCell` to implement its user interface.

Also see the `NSComboBoxDataSource` informal protocol, which declares the methods that an `NSComboBox` uses to access the contents of its data source object.

Tasks

Initializing a Combo Box

- `initWithCoder:` (page 12)
  Initializes a newly allocated instance from the data in the given coder.
- `encodeWithCoder:` (page 10)
  Encodes the receiver using the specified coder.

Setting Display Attributes

- `hasVerticalScroller` (page 11)
  Returns a Boolean value indicating whether the receiver will display a vertical scroller.
- `intercellSpacing` (page 13)
  Returns the horizontal and vertical spacing between cells in the receiver's pop-up list.
- `isButtonBordered` (page 14)
  Returns whether the combo box button is set to display a border.
- `itemHeight` (page 14)
  Returns the height of each item in the receiver's pop-up list.
- `numberOfVisibleItems` (page 16)
  Returns the maximum number of items visible in the pop-up list.
- `setButtonBordered:` (page 20)
  Determines whether the button in the combo box is displayed with a border.
- `setHasVerticalScroller:` (page 21)
  Determines whether the receiver displays a vertical scroller.
- `setIntercellSpacing:` (page 22)
  Sets the spacing between pop-up list items.
- `setItemHeight:` (page 22)
  Sets the height for items.
- `setNumberOfVisibleItems:` (page 22)
  Sets the maximum number of items that are visible in the receiver's pop-up list.

Setting a Data Source

- `dataSource` (page 10)
  Returns the object that provides the data displayed in the receiver's pop-up list.

- `setDataSource:` (page 21)
  Sets the receiver's data source to *aSource*.
- `setUsesDataSource:` (page 23)
  Sets whether the receiver uses an external data source to populate the receiver's pop-up list.
- `usesDataSource` (page 23)
  Returns a Boolean value indicating whether the receiver uses an external data source to populate its pop-up list.

Working with an Internal List

- `addItemsWithObjectValues:` (page 8)
  Adds multiple objects to the end of the receiver's internal item list.
- `addItemWithObjectValue:` (page 9)
  Adds an object to the end of the receiver's internal item list.
- `insertItemWithObjectValue:atIndex:` (page 13)
  Inserts an object at the specified location in the receiver's internal item list.
- `objectValues` (page 16)
  Returns as an array the receiver's internal item list.
- `removeAllItems` (page 17)
  Removes all items from the receiver's internal item list.
- `removeItemAtIndex:` (page 17)
  Removes the object at the specified location from the receiver's internal item list.
- `removeItemWithObjectValue:` (page 18)
  Removes all occurrences of the given object from the receiver's internal item list.
- `numberOfItems` (page 15)
  Returns the total number of items in the pop-up list.

Manipulating the Displayed List

- `indexOfItemWithObjectValue:` (page 11)
  Searches the receiver's internal item list for the specified object and returns the lowest matching index.
- `itemObjectValueAtIndex:` (page 14)
  Returns the object located at the given index within the receiver's internal item list.
- `noteNumberOfItemsChanged` (page 15)
  Informs the receiver that the number of items in its data source has changed.
- `reloadData` (page 17)
  Marks the receiver as needing redisplay, so that it will reload the data for visible pop-up items and draw the new values.
- `scrollItemAtIndexToTop:` (page 18)
  Scrolls the receiver's pop-up list vertically so that the item at the specified index is as close to the top as possible.
- `scrollItemAtIndexToVisible:` (page 19)
  Scrolls the receiver's pop-up list vertically so that the item at the specified index is visible.

Manipulating the Selection

- `deselectItemAtIndex:` (page 10)
  Deselects the pop-up list item at the specified index if it's selected.
- `indexOfSelectedItem` (page 12)
  Returns the index of the last item selected from the pop-up list.
- `objectValueOfSelectedItem` (page 16)
  Returns the object corresponding to the last item selected from the pop-up list.
- `selectItemAtIndex:` (page 19)
  Selects the pop-up list row at the given index.
- `selectItemWithObjectValue:` (page 19)
  Selects the first pop-up list item that corresponds to the given object.

Completing the Text Field

- `completes` (page 9)
  Returns a Boolean value indicating whether the receiver tries to complete what the user types in the text field.
- `setCompletes:` (page 20)
  Sets whether the receiver tries to complete what the user types in the text field.

Displaying and dismissing a combo box

- `comboBoxWillDismiss:` (page 24) *delegate method*
  Informs the delegate that the pop-up list is about to be dismissed.
- `comboBoxWillPopUp:` (page 25) *delegate method*
  Informs the delegate that the pop-up list is about to be displayed.

Changing selection

- `comboBoxSelectionDidChange:` (page 24) *delegate method*
  Informs the delegate that the pop-up list selection has finished changing.
- `comboBoxSelectionIsChanging:` (page 24) *delegate method*
  Informs the delegate that the pop-up list selection is changing.

Instance Methods

addItemsWithObjectValues:

Adds multiple objects to the end of the receiver's internal item list.

```
- (void)addItemsWithObjectValues:(NSArray *)objects
```

Parameters

objects

An array of the objects to add to the internal item list.

Discussion

This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSComboBox.h`

addItemWithObjectValue:

Adds an object to the end of the receiver's internal item list.

```
- (void)addItemWithObjectValue:(id)anObject
```

Parameters

anObject

The object to add to the internal item list.

Discussion

This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability

Available in Mac OS X v10.0 and later.

Declared In

`NSComboBox.h`

completes

Returns a Boolean value indicating whether the receiver tries to complete what the user types in the text field.

```
- (BOOL)completes
```

Return Value

`YES` if the receiver tries to complete what the user types in the text field; otherwise `NO`.

Availability

Available in Mac OS X v10.0 and later.

See Also

`setCompletes:` (page 20)

Declared In

`NSComboBox.h`

dataSource

Returns the object that provides the data displayed in the receiver's pop-up list.

```
- (id)dataSource
```

Return Value
The data source for the combo box's pop-up list.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `NO`. See the class description and the `NSComboBoxDataSource` informal protocol specification for more information on combo box data source objects.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

deselectItemAtIndex:

Deselects the pop-up list item at the specified index if it's selected.

```
- (void)deselectItemAtIndex:(NSInteger)index
```

Parameters

index
The index of the item to deselect.

Discussion
If the selection does in fact change, this method posts an `NSComboBoxSelectionDidChangeNotification` (page 25) to the default notification center.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `indexOfSelectedItem` (page 12)
- `numberOfItems` (page 15)
- `selectItemAtIndex:` (page 19)

Declared In
`NSComboBox.h`

encodeWithCoder:

Encodes the receiver using the specified coder.

```
- (void)encodeWithCoder:(NSCoder *)encoder
```

Parameters

encoder

The coder to use to encode the receiver.

Discussion

If the receiver uses a data source, the data source is conditionally encoded as well.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.2.

See Also

- initWithCoder: (page 12)

Declared In

NSComboBox.h

hasVerticalScroller

Returns a Boolean value indicating whether the receiver will display a vertical scroller.

```
- (BOOL)hasVerticalScroller
```

Return Value

YES if the receiver will display a vertical scroller; otherwise NO.

Discussion

Note that the scroller will be displayed even if the pop-up list contains fewer items than will fit in the area specified for display.

Availability

Available in Mac OS X v10.0 and later.

See Also

- numberOfItems (page 15)
- numberOfVisibleItems (page 16)

Declared In

NSComboBox.h

indexOfItemWithObjectValue:

Searches the receiver's internal item list for the specified object and returns the lowest matching index.

```
- (NSInteger)indexOfItemWithObjectValue:(id)anObject
```

Parameters

anObject

The object for which to return the index.

Return Value

The lowest index in the internal item list whose corresponding value is equal to that of the specified object. Objects are considered equal if they have the same id or if isEqual: returns YES.

If none of the objects in the receiver's internal item list are equal to *anObject*, `indexOfItemWithObjectValue:` returns `NSNotFound`.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- selectItemWithObjectValue:` (page 19)

Declared In
`NSComboBox.h`

indexOfSelectedItem

Returns the index of the last item selected from the pop-up list.

```
- (NSInteger)indexOfSelectedItem
```

Return Value
The index of the last item selected from the receiver's pop-up list or -1 if no item is selected.

Discussion
Note that nothing is initially selected in a newly initialized combo box.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- objectValueOfSelectedItem` (page 16)

Declared In
`NSComboBox.h`

initWithCoder:

Initializes a newly allocated instance from the data in the given coder.

```
- (id)initWithCoder:(NSCoder *)decoder
```

Parameters

decoder

The coder object containing the data for the combo box. If the decoded instance uses a data source, `initWithCoder:` decodes the data source as well.

Return Value
The initialized `NSComboBox` object.

Availability
Available in Mac OS X v10.0 through Mac OS X v10.2.

See Also
- `encodeWithCoder:` (page 10)

Declared In
`NSComboBox.h`

insertItemWithObjectValue:atIndex:

Inserts an object at the specified location in the receiver's internal item list.

```
- (void)insertItemWithObjectValue:(id)anObject atIndex:(NSInteger)index
```

Parameters

anObject

The object to add to the internal item list.

index

The index in the list at which to add the new object. The previous item at *index*—along with all following items—is shifted down one slot to make room

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `addItemWithObjectValue:` (page 9)
- `numberOfItems` (page 15)

Declared In
`NSComboBox.h`

intercellSpacing

Returns the horizontal and vertical spacing between cells in the receiver's pop-up list.

```
- (NSSize)intercellSpacing
```

Return Value
The space between cells in the pop-up list. The default spacing is (3.0, 2.0).

Availability
Available in Mac OS X v10.0 and later.

See Also
- `itemHeight` (page 14)
- `numberOfVisibleItems` (page 16)

Declared In
`NSComboBox.h`

isButtonBordered

Returns whether the combo box button is set to display a border.

```
- (BOOL)isButtonBordered
```

Return Value
`YES` if the button has a border; otherwise `NO`.

Availability
Available in Mac OS X v10.3 and later.

See Also
- `setButtonBordered:` (page 20)

Declared In
`NSComboBox.h`

itemHeight

Returns the height of each item in the receiver's pop-up list.

```
- (CGFloat)itemHeight
```

Return Value
The height of items in the pop-up list. The default item height is 16.0.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `intercellSpacing` (page 13)
- `numberOfVisibleItems` (page 16)

Declared In
`NSComboBox.h`

itemObjectValueAtIndex:

Returns the object located at the given index within the receiver's internal item list.

```
- (id)itemObjectValueAtIndex:(NSInteger)index
```

Parameters

index

The index of the object to retrieve. If *index* is beyond the end of the list, an `NSRangeException` is raised.

Return Value
The object located at the specified index in the internal item list.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `objectValueOfSelectedItem` (page 16)

Declared In
`NSComboBox.h`

noteNumberOfItemsChanged

Informs the receiver that the number of items in its data source has changed.

```
- (void)noteNumberOfItemsChanged
```

Discussion
This method allows the receiver to update the scrollers in its displayed pop-up list without actually reloading data into the receiver. It is particularly useful for a data source that continually receives data in the background over a period of time, in which case the `NSComboBox` can remain responsive to the user while the data is received.

See the `NSComboBoxDataSource` informal protocol specification for information on the messages an `NSComboBox` sends to its data source.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `reloadData` (page 17)

Declared In
`NSComboBox.h`

numberOfItems

Returns the total number of items in the pop-up list.

```
- (NSInteger)numberOfItems
```

Return Value
The number of items in the list.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `numberOfVisibleItems` (page 16)
- `numberOfItemsInComboBox:` (`NSComboBoxDataSource` protocol)

Declared In
`NSComboBox.h`

numberOfVisibleItems

Returns the maximum number of items visible in the pop-up list.

```
- (NSInteger)numberOfVisibleItems
```

Return Value
The maximum number of items visible at any one time in the pop-up list.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `numberOfItems` (page 15)

Declared In
`NSComboBox.h`

objectValueOfSelectedItem

Returns the object corresponding to the last item selected from the pop-up list.

```
- (id)objectValueOfSelectedItem
```

Return Value
The object in the receiver's internal item list corresponding to the last item selected from the pop-up list, or `nil` if no item is selected.

Discussion
Note that nothing is initially selected in a newly initialized combo box. This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `indexOfSelectedItem` (page 12)
- `comboBox:objectValueForItemAtIndex:` (NSComboBoxDataSource protocol)

Declared In
`NSComboBox.h`

objectValues

Returns as an array the receiver’s internal item list.

```
- (NSArray *)objectValues
```

Return Value
The array containing the objects in the receiver's internal item list.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

reloadData

Marks the receiver as needing redisplay, so that it will reload the data for visible pop-up items and draw the new values.

```
- (void)reloadData
```

Availability
Available in Mac OS X v10.0 and later.

See Also
`- noteNumberOfItemsChanged` (page 15)

Declared In
`NSComboBox.h`

removeAllItems

Removes all items from the receiver's internal item list.

```
- (void)removeAllItems
```

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- objectValues` (page 16)

Declared In
`NSComboBox.h`

removeItemAtIndex:

Removes the object at the specified location from the receiver's internal item list.

```
- (void)removeItemAtIndex:(NSInteger)index
```

Parameters

index

The index of the object to remove. All items beyond *index* are moved up one slot to fill the gap.

Discussion
The removed object receives a `release` message. This method raises an `NSRangeException` if *index* is beyond the end of the list and logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

removeItemWithObjectValue:

Removes all occurrences of the given object from the receiver's internal item list.

```
- (void)removeItemWithObjectValue:(id)anObject
```

Parameters

anObject
The object to remove from the internal item list. Objects are considered equal if they have the same `id` or if `isEqual:` returns `YES`.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- indexOfItemWithObjectValue:` (page 11)

Declared In
`NSComboBox.h`

scrollItemAtIndexToTop:

Scrolls the receiver's pop-up list vertically so that the item at the specified index is as close to the top as possible.

```
- (void)scrollItemAtIndexToTop:(NSInteger)index
```

Parameters

index
The index of the item to scroll to the top.

Discussion
The pop-up list need not be displayed at the time this method is invoked.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

scrollItemAtIndexToVisible:

Scrolls the receiver's pop-up list vertically so that the item at the specified index is visible.

```
- (void)scrollItemAtIndexToVisible:(NSInteger)index
```

Parameters

index

The index of the item to make visible.

Discussion

The pop-up list need not be displayed at the time this method is invoked.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSComboBox.h

selectItemAtIndex:

Selects the pop-up list row at the given index.

```
- (void)selectItemAtIndex:(NSInteger)index
```

Parameters

index

The index of the item to select in the pop-up list.

Discussion

Posts an NSComboBoxSelectionDidChangeNotification (page 25) to the default notification center if the selection does in fact change. Note that this method does not alter the contents of the combo box's text field—see "Setting the Combo Box's Value" for more information.

Availability

Available in Mac OS X v10.0 and later.

See Also

- setObjectValue: (NSControl)

Declared In

NSComboBox.h

selectItemWithObjectValue:

Selects the first pop-up list item that corresponds to the given object.

```
- (void)selectItemWithObjectValue:(id)anObject
```

Parameters

anObject

The object to select in the pop-up list. Objects are considered equal if they have the same id or if isEqual: returns YES.

Discussion
This method logs a warning if `usesDataSource` (page 23) returns `YES`. Posts an `NSComboBoxSelectionDidChangeNotification` (page 25) to the default notification center if the selection does in fact change. Note that this method doesn't alter the contents of the combo box's text field—see "Setting the Combo Box's Value" for more information.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- setObjectValue:` (NSControl)

Declared In
`NSComboBox.h`

setButtonBordered:

Determines whether the button in the combo box is displayed with a border.

```
- (void)setButtonBordered:(BOOL)flag
```

Parameters

flag

`YES` to display a border; `NO` to display the button without a border. For example, it is often useful when using a combo box in an `NSTableView` to display the button without the border.

Availability
Available in Mac OS X v10.3 and later.

See Also
`- isButtonBordered` (page 14)

Declared In
`NSComboBox.h`

setCompletes:

Sets whether the receiver tries to complete what the user types in the text field.

```
- (void)setCompletes:(BOOL)completes
```

Parameters

completes

`YES` to indicate that the receiver should try to complete test entered by the user. If *completes* is `YES`, every time the user adds characters to the end of the text field, the combo box calls the `NSComboBoxCell` method `completedString:`.

Discussion
If `completedString:` returns a string that's longer than the existing string, the combo box replaces the existing string with the returned string and selects the additional characters. If the user is deleting characters or adds characters somewhere besides the end of the string, the combo box does not try to complete it.

Availability
Available in Mac OS X v10.0 and later.

See Also
completes (page 9)

Declared In
NSComboBox.h

setDataSource:

Sets the receiver's data source to *aSource*.

```
- (void)setDataSource:(id)aSource
```

Parameters

aSource

The new data source for the receiver. The data source should implement the appropriate methods of the NSComboBoxDataSource informal protocol.

This method logs a warning if *aSource* doesn't respond to either numberOfItemsInComboBox: or comboBox:objectValueForItemAtIndex:.

Discussion
This method doesn't automatically set usesDataSource (page 23) to NO and in fact logs a warning if usesDataSource (page 23) returns NO.

Availability
Available in Mac OS X v10.0 and later.

See Also
- setUsesDataSource: (page 23)

Declared In
NSComboBox.h

setHasVerticalScroller:

Determines whether the receiver displays a vertical scroller.

```
- (void)setHasVerticalScroller:(BOOL)flag
```

Parameters

flag

YES to display a vertical scroller; NO otherwise. By default, *flag* is YES.

Discussion
If *flag* is NO and the combo box has more list items (either in its internal item list or from its data source) than are allowed by numberOfVisibleItems (page 16), only a subset are displayed. The NSComboBox class' scroll... methods can be used to position this subset within the pop-up list.

Note that if flag is YES, a scroller will be displayed even if the combo box has fewer list items than are allowed by numberOfVisibleItems (page 16).

Availability
Available in Mac OS X v10.0 and later.

See Also
- `numberOfItems` (page 15)
- `scrollItemAtIndexToTop:` (page 18)
- `scrollItemAtIndexToVisible:` (page 19)

Declared In
`NSComboBox.h`

setIntercellSpacing:

Sets the spacing between pop-up list items.

```
- (void)setIntercellSpacing:(NSSize)aSize
```

Parameters

aSize
The new width and height between pop-up list items. The default intercell spacing is (3.0, 2.0).

Availability
Available in Mac OS X v10.0 and later.

See Also
- `setItemHeight:` (page 22)
- `setNumberOfVisibleItems:` (page 22)

Declared In
`NSComboBox.h`

setItemHeight:

Sets the height for items.

```
- (void)setItemHeight:(CGFloat)itemHeight
```

Parameters

itemHeight
The new height for items in the pop-up list.

Availability
Available in Mac OS X v10.0 and later.

See Also
- `setIntercellSpacing:` (page 22)
- `setNumberOfVisibleItems:` (page 22)

Declared In
`NSComboBox.h`

setNumberOfVisibleItems:

Sets the maximum number of items that are visible in the receiver's pop-up list.

```
- (void)setNumberOfVisibleItems:(NSInteger)visibleItems
```

Parameters

visibleItems

The maximum number of items that are visible at one time in the pop-up list.

Availability
Available in Mac OS X v10.0 and later.

See Also
- numberOfItems (page 15)
- setItemHeight: (page 22)
- setIntercellSpacing: (page 22)

Declared In
NSComboBox.h

setUsesDataSource:

Sets whether the receiver uses an external data source to populate the receiver's pop-up list.

```
- (void)setUsesDataSource:(BOOL)flag
```

Parameters

flag

YES if the receiver uses an external data source (specified by setDataSource: (page 21)); otherwise NO.

Availability
Available in Mac OS X v10.0 and later.

Declared In
NSComboBox.h

usesDataSource

Returns a Boolean value indicating whether the receiver uses an external data source to populate its pop-up list.

```
- (BOOL)usesDataSource
```

Return Value
YES if the receiver uses an external data source to populate the receiver's pop-up list, NO if it uses an internal item list.

Availability
Available in Mac OS X v10.0 and later.

See Also
- dataSource (page 10)

Declared In
NSComboBox.h

Delegate Methods

comboBoxSelectionDidChange:

Informs the delegate that the pop-up list selection has finished changing.

```
- (void)comboBoxSelectionDidChange:(NSNotification *)notification
```

Parameters

notification

An NSComboBoxSelectionDidChangeNotification (page 25).

Availability
Available in Mac OS X v10.0 and later.

Declared In
NSComboBox.h

comboBoxSelectionIsChanging:

Informs the delegate that the pop-up list selection is changing.

```
- (void)comboBoxSelectionIsChanging:(NSNotification *)notification
```

Parameters

notification

An NSComboBoxSelectionIsChangingNotification (page 25).

Availability
Available in Mac OS X v10.0 and later.

Declared In
NSComboBox.h

comboBoxWillDismiss:

Informs the delegate that the pop-up list is about to be dismissed.

```
- (void)comboBoxWillDismiss:(NSNotification *)notification
```

Parameters

notification

An NSComboBoxWillDismissNotification (page 25).

Availability
Available in Mac OS X v10.0 and later.

Declared In
NSComboBox.h

comboBoxWillPopUp:

Informs the delegate that the pop-up list is about to be displayed.

```
- (void)comboBoxWillPopUp:(NSNotification *)notification
```

Parameters

notification

An `NSComboBoxWillPopUpNotification` (page 26).

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

Notifications

NSComboBoxSelectionDidChangeNotification

Posted after the pop-up list selection of the `NSComboBox` changes.

The notification object is the `NSComboBox` whose selection changed. This notification does not contain a *userInfo* dictionary.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

NSComboBoxSelectionIsChangingNotification

Posted whenever the pop-up list selection of the `NSComboBox` is changing.

The notification object is the `NSComboBox` whose selection is changing. This notification does not contain a *userInfo* dictionary.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

NSComboBoxWillDismissNotification

Posted whenever the pop-up list of the `NSComboBox` is about to be dismissed.

The notification object is the `NSComboBox` whose pop-up list will be dismissed. This notification does not contain a *userInfo* dictionary.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

NSComboBoxWillPopUpNotification

Posted whenever the pop-up list of the `NSComboBox` is going to be displayed.

The notification object is the `NSComboBox` whose pop-up window will be displayed. This notification does not contain a *`userInfo`* dictionary.

Availability
Available in Mac OS X v10.0 and later.

Declared In
`NSComboBox.h`

Document Revision History

This table describes the changes to *NSComboBox Class Reference*.

Date	Notes
2006-05-23	First publication of this content as a separate document.

Document Revision History

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