
NSFontPanel Class Reference

User Experience: Controls



2009-07-24



Apple Inc.
© 2009 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Mac, and Mac OS are trademarks of Apple Inc., registered in the United States and other countries.

Aperture is a trademark of Apple Inc.

Helvetica and Times are registered trademarks of Heidelberger Druckmaschinen AG, available from Linotype Library GmbH.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE

ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

NSFontPanel Class Reference 5

| | |
|--------------------------------|----|
| Overview | 5 |
| Tasks | 5 |
| Getting the Font Panel | 5 |
| Enabling Font Changes | 6 |
| Updating the Font Panel | 6 |
| Converting Fonts | 6 |
| Working in Modal Loops | 6 |
| Setting an Accessory View | 6 |
| Class Methods | 6 |
| sharedFontPanel | 6 |
| sharedFontPanelExists | 7 |
| Instance Methods | 7 |
| accessoryView | 7 |
| isEnabled | 8 |
| panelConvertFont: | 8 |
| reloadDefaultFontFamilies | 8 |
| setAccessoryView: | 9 |
| setEnabled: | 9 |
| setPanelFont:isMultiple: | 10 |
| worksWhenModal | 10 |
| Constants | 11 |
| Tags of Views in the FontPanel | 11 |

Document Revision History 13

NSFontPanel Class Reference

| | |
|----------------------------|--|
| Inherits from | NSPanel : NSWindow : NSResponder : NSObject |
| Conforms to | NSUserInterfaceValidations (NSWindow) NSAnimatablePropertyContainer (NSWindow) NSCoding (NSResponder) NSObject (NSObject) |
| Framework | /System/Library/Frameworks/AppKit.framework |
| Availability | Available in Mac OS X v10.0 and later. |
| Companion guide | Font Panel |
| Declared in | NSFontPanel.h |
| Related sample code | Aperture Edit Plugin - Borders & Titles CoreAnimationText CoreTextArcCocoa PDF Annotation Editor QTKitTimeCode |

Overview

The `NSFontPanel` class implements the Font panel—a user interface object that displays a list of available fonts, letting the user preview them and change the font used to display text. The actual changes are made through conversion messages sent to the shared `NSFontManager` instance. There's only one Font panel for each application.

Tasks

Getting the Font Panel

- + [sharedFontPanel](#) (page 6)
Returns the single `NSFontPanel` instance for the application, creating it if necessary.
- + [sharedFontPanelExists](#) (page 7)
Returns YES if the shared Font panel has been created, NO if it hasn't.

Enabling Font Changes

- `setEnabled:` (page 9)
Specifies whether the receiver's Set button is enabled.
- `isEnabled` (page 8)
Indicates whether the receiver's Set button is enabled.
- `reloadDefaultFontFamilies` (page 8)
Triggers a reload to the default state, so that the delegate is called.

Updating the Font Panel

- `setFont:isMultiple:` (page 10)
Sets the selected font in the receiver to the specified font.

Converting Fonts

- `panelConvertFont:` (page 8)
Converts the specified font using the settings in the receiver, with the aid of the shared `NSFontManager` if necessary.

Working in Modal Loops

- `worksWhenModal` (page 10)
Indicates whether the receiver allows fonts to be changed in modal windows and panels.

Setting an Accessory View

- `setAccessoryView:` (page 9)
Establishes the specified view as the receiver's accessory view, allowing you to add custom controls to your application's Font panel without having to create a subclass.
- `accessoryView` (page 7)
Returns the receiver's accessory view.

Class Methods

sharedFontPanel

Returns the single `NSFontPanel` instance for the application, creating it if necessary.

```
+ (NSFontPanel *)sharedFontPanel
```

Return Value

The `NSFontPanel` instance for the application.

Availability

Available in Mac OS X v10.0 and later.

See Also

- + [sharedFontPanelExists](#) (page 7)
- + [setFontPanelFactory:](#) (NSFontManager)

Related Sample Code

- Aperture Edit Plugin - Borders & Titles
- CoreAnimationText
- CoreTextArcCocoa
- PDF Annotation Editor

Declared In

NSFontPanel.h

sharedFontPanelExists

Returns YES if the shared Font panel has been created, NO if it hasn't.

+ (BOOL)sharedFontPanelExists

Availability

Available in Mac OS X v10.0 and later.

See Also

- + [sharedFontPanel](#) (page 6)

Declared In

NSFontPanel.h

Instance Methods

accessoryView

Returns the receiver's accessory view.

- (NSView *)accessoryView

Availability

Available in Mac OS X v10.0 and later.

See Also

- [setAccessoryView:](#) (page 9)

Declared In

NSFontPanel.h

isEnabled

Indicates whether the receiver's Set button is enabled.

- (BOOL)isEnabled

Return Value

YES if the receiver's Set button is enabled; NO if it isn't.

Discussion

The receiver continues to reflect the font of the selection for cooperating text objects regardless of this setting.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [setEnabled:](#) (page 9)

Declared In

NSFontPanel.h

panelConvertFont:

Converts the specified font using the settings in the receiver, with the aid of the shared NSFontManager if necessary.

- (NSFont *)panelConvertFont:(NSFont *)aFont

Parameters

aFont

The font to be converted.

Return Value

The converted font, or *aFont* itself if it can't be converted.

Discussion

For example, if *aFont* is Helvetica Oblique 12.0 point and the user has selected the Times font family (and nothing else) in the Font panel, the font returned is Times Italic 12.0 point.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [convertFont:](#) (NSFontManager)

Declared In

NSFontPanel.h

reloadDefaultFontFamilies

Triggers a reload to the default state, so that the delegate is called.

- (void)reloadDefaultFontFamilies

Discussion

This reloading provides the delegate opportunity to scrutinize the default list of fonts to be displayed in the panel.

Availability

Available in Mac OS X v10.0 and later.

Declared In

NSFontPanel.h

setAccessoryView:

Establishes the specified view as the receiver's accessory view, allowing you to add custom controls to your application's Font panel without having to create a subclass.

```
- (void)setAccessoryView:(NSView *)aView
```

Parameters

aView

The view to set.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [accessoryView](#) (page 7)

Declared In

NSFontPanel.h

setEnabled:

Specifies whether the receiver's Set button is enabled.

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

Parameters

flag

If YES the Set button is enabled; if NO, it's disabled.

Discussion

The receiver continues to reflect the font of the selection for cooperating text objects regardless of this setting.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [isEnabled](#) (page 8)

Declared In

NSFontPanel.h

setPanelFont:isMultiple:

Sets the selected font in the receiver to the specified font.

```
- (void)setPanelFont:(NSFont *)aFont isMultiple:(BOOL)flag
```

Parameters

aFont

The font to be selected.

flag

If `NO`, selects the specified font; otherwise selects no font and displays a message in the preview area indicating that multiple fonts are selected.

Discussion

You normally don't use this method directly; instead, you send `setSelectedFont:isMultiple:` to the shared `NSFontManager`, which in turn invokes this method.

Availability

Available in Mac OS X v10.0 and later.

Related Sample Code

Aperture Edit Plugin - Borders & Titles

CoreTextArcCocoa

PDF Annotation Editor

Declared In

`NSFontPanel.h`

worksWhenModal

Indicates whether the receiver allows fonts to be changed in modal windows and panels.

```
- (BOOL)worksWhenModal
```

Return Value

`YES`, regardless of the setting established using the `NSPanel` method `setWorksWhenModal:`.

Availability

Available in Mac OS X v10.0 and later.

See Also

- `worksWhenModal` (`NSWindow`)

- `worksWhenModal` (`NSPanel`)

Declared In

`NSFontPanel.h`

Constants

Tags of Views in the FontPanel

These constants are obsolete and should not be used. (**Deprecated**. Use the method and constants described in *NSFontPanelValidation Protocol Reference* instead.)

```
enum {
    NSFPreviewButton = 131,
    NSFRevertButton = 130,
    NSFSetButton = 132,
    NSFPreviewField = 128,
    NSFSizeField = 129,
    NSFSizeTitle = 133,
    NSFCurrentField = 134
};
```

Constants

NSFPreviewButton

Show the Preview button.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFRevertButton

Show the Revert button.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFSetButton

Show the Set button.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFPreviewField

Show the Preview field.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFSizeField

Show the Size field.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFSizeTitle

Show the Size title.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

NSFCurrentField

Show the Current field.

Available in Mac OS X v10.0 and later.

Declared in NSFontPanel.h.

Document Revision History

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

| Date | Notes |
|------------|--|
| 2009-07-24 | Added descriptions of deprecated constants. |
| 2007-04-06 | Moved constants to NSFontPanelValidation Protocol Reference. Made minor editorial revisions. |
| 2006-05-23 | First publication of this content as a separate document. |

REVISION HISTORY

Document Revision History