

[UIKit](#) / NSSwitch

## Class

# NSSwitch

A control that offers a binary choice.

macOS 10.15+

```
@MainActor
class NSSwitch
```

## Overview

The [NSSwitch](#) class provides a simple interface for displaying and toggling a Boolean state, such as on/off. A switch toggles its [state](#) and sends its [action](#) when clicked, activated through the keyboard, or tapped in the Touch Bar. [NSSwitch](#) also allows dragging between states, and if [isContinuous](#) is [true](#), the switch sends its [action](#) for each change in position during the drag.

[NSSwitch](#) doesn't use an instance of [NSCell](#) to provide its functionality. The [cellClass](#) class property and [cell](#) instance property both return [nil](#), and they ignore attempts to set a non-[nil](#) value.

For design guidance, see Human Interface Guidelines > [Toggles](#).

## Topics

### Managing Switch State

```
var state: NSControl.StateValue
```

The current position of the switch.

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## Relationships

### Inherits From

NSControl

### Conforms To

CVarArg  
CustomDebugStringConvertible  
CustomStringConvertible  
Equatable  
Hashable  
NSAccessibilityButton  
NSAccessibilityElementProtocol  
NSAccessibilityProtocol  
NSAccessibilitySwitch  
NSAnimatablePropertyContainer  
NSAppearanceCustomization  
NSCoding  
NSDraggingDestination  
NSObjectProtocol  
NSStandardKeyBindingResponding  
NSTouchBarProvider  
NSUserActivityRestoring  
NSUserInterfaceItemIdentification  
Sendable  
SendableMetatype

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## See Also

### Controls



Responding to control-based events using target-action

Handle user input by connecting buttons, sliders, and other controls to your app's code using the target-action design pattern.

`class NSButton`

A control that defines an area on the screen that a user clicks to trigger an action.

`class NSColorWell`

A control that displays a color value and lets the user change that color value.

 Combo Box

Display a list of values in a pop-up menu that lets the user select a value or type in a custom value.

`class NSComboBox`

A button with a pull-down menu and a default action.

 Date Picker

Display a calendar date and provide controls for editing the date value.

`class NSImageView`

A display of image data in a frame.

`class NSLevelIndicator`

A visual representation of a level or quantity, using discrete values.

 Path Control

A display of a file system path or virtual path information.

`class NSPopUpButton`

A control for selecting an item from a list.

`class NSProgressIndicator`

An interface that provides visual feedback to the user about the status of an ongoing task.

`class NSRuleEditor`

An interface for configuring a rule-based list of options.

`class NSPredicateEditor`

A defined set of rules that allows the editing of predicate objects.

 Search Field

Provide a text field that is optimized for text-based search interfaces.

```
class NSSegmentedControl
```

Display one or more buttons in a single horizontal group.