

## Enumerations

Name	Values
This class exposes no enumerations.	

## Constants

Name	Type	Value
MinViewDays	Integer	0
MinViewMonth	Integer	1
MinViewYears	Integer	2
PositionBottomLeft	String	"top left"
PositionBottomRight	String	"top right"
PositionTopLeft	String	"bottom left"
PositionTopRight	String	"bottom right"
ViewMonth	Integer	0
ViewYear	Integer	1
ViewDecade	Integer	2

## Events

Definition	Description
MonthChange( theMonth as Integer )	Fired when the user navigates to a different month in the display.
PickerCleared()	Fired when the user clears the selection.
PickerHidden()	Fired when the picker is hidden, either by user selection or cancellation.
PickerShown()	Fired when the picker is shown by user interaction.
TextChanged( newText as String )	Fired when datepicker field loses focus. If ForceParse = False, newText will contain the invalid text the user attempted to enter as a date value. At that point, it is up to the developer to properly handle this text as you see fit and update the Value property.
ValueChange()	Fired when the user either makes a new selection from the popup or enters a valid date in the field.
YearChange( theYear as Integer )	Fired when the user navigates to a different Year in the display.

## Methods

Definition	Description
ClearValue()	Resets the date value to null in the picker.
DisableDate( theDate as Date )	Disables selection of the specified date.
EnableDate( theDate as Date )	Enabled selection of a previously disabled date.
HidePicker()	Hides the picker popup.
SetDayEnabled( theDay as Integer, theValue as Boolean )	Allows for the enabling or disabling of a specific day of the week. theDay is a zero-based index of the day of the weekday, with 0 representing Sunday.
SetDayHighlighted( theValue as Boolean, ParamArray theDays as Integer )	Highlights the days specified by theDays, which should be a list of Integers with 0 representing Sunday.
ShowPicker()	Shows the picker.

## Properties

Name	Type	Default Value	Description
AutoClose	Boolean	True	If True, when the user makes a selection the picker is hidden.
AvailableLanguages()	Array of String	Null	An array containing the locale IDs of the languages supported by the picker.
CalendarWeeks	Boolean	False	When True, will display the week number to the left of the calendar rows.
Day0Enabled	Boolean	True	When False, users will be unable to select days occurring on a Sunday.
Day0Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day1Enabled	Boolean	True	When False, users will be unable to select days occurring on a Monday.
Day1Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day2Enabled	Boolean	True	When False, users will be unable to select days occurring on a Tuesday.
Day2Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day3Enabled	Boolean	True	When False, users will be unable to select days occurring on a Wednesday.
Day3Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day4Enabled	Boolean	True	When False, users will be unable to select days occurring on a Thursday.
Day4Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day5Enabled	Boolean	True	When False, users will be unable to select days occurring on a Friday.
Day5Highlighted	Boolean	False	When True, this day of the week will be highlighted.
Day6Enabled	Boolean	True	When False, users will be unable to select days occurring on a Saturday.
Day6Highlighted	Boolean	False	When True, this day of the week will be highlighted.
DefaultViewDate	Date	Today	Date to view when initially opening the calendar. The internal value of the date remains today as default, but when the datepicker is first opened the calendar will open to defaultViewDate rather than today. If this option is not used, "today" remains the default view date.
DisableKeyboard	Boolean	False	If True, no keyboard will show on mobile devices.
EndDate	Date	End of Time	The latest date that may be selected; all later dates will be disabled.
ForceParse	Boolean	True	Forces the user to conform to the expected date format. If False, the TextChanged event will fire with their text entry, and the field will not be cleared.
Format	String	DD, MM dd, yyyy	Determines how dates are shown and parsed when the user selects or enters a date in the field.
			d, dd: Numeric date, no leading zero and leading zero, respectively. Eg, 5, 05.
			D, DD: Abbreviated and full weekday names, respectively. Eg, Mon, Monday.
			m, mm: Numeric month, no leading zero and leading zero, respectively. Eg, 7, 07.

Name	Type	Default Value	Description
			M, MM: Abbreviated and full month names, respectively. Eg, Jan, January
			yy, yyyy: 2- and 4-digit years, respectively. Eg, 12, 2012.
KeyboardNavigation	Boolean	True	Allows the user to navigate the picker using the arrow keys on their keyboard.
Language	String	"en"	The IETF code (eg "en" for English, "pt-BR" for Brazilian Portuguese) of the language to use for month and day names. See AvailableLanguages() Property, or scripts/datepicker/langs directory.
MinView	Integer	MinViewDays	The minimum view allowed for display in the selection picker. See MinView constants.
Orientation	String	"auto"	<p>A space-separated string consisting of one or two of "left" or "right", "top" or "bottom", and "auto" (may be omitted); for example, "top left", "bottom" (horizontal orientation will default to "auto"), "right" (vertical orientation will default to "auto"), "auto top". Allows for fixed placement of the picker popup.</p> <p>"orientation" refers to the location of the picker popup's "anchor"; you can also think of it as the location of the trigger element (input, component, etc) relative to the picker.</p> <p>"auto" triggers "smart orientation" of the picker. Horizontal orientation will default to "left" and left offset will be tweaked to keep the picker inside the browser viewport; vertical orientation will simply choose "top" or "bottom", whichever will show more of the picker in the viewport. See Position constants.</p>
ReadOnly	Boolean	False	If True, the textfield of the DatePicker will be disabled, but selection can still be made from the picker.
ShowOnFocus	Boolean	True	If False, the picker will only be shown by calling the ShowPicker() method.
StartDate	<a href="#">Date</a>	Beginning of Time	The earliest date that may be selected; all earlier dates will be disabled.
TodayButton	Boolean	False	If True, will show a "Today" button in the picker allowing users to quickly switch the view to display the current date.
TodayHighlight	Boolean	True	If True, will signify the current date in the picker view using a background color.
ToggleSelect	Boolean	False	If True, selecting the currently active date in the datepicker will unset the respective date.
Value	<a href="#">Date</a>	Nil	The currently selected value.
WeekStart	Integer	0	The weekday to use as the starting date of the picker display, zero-based starting with Sunday.

## Notes

## ForceParse = True

When ForceParse = True and the user types in the textbox, the underlying library will automatically parse the date based on the value supplied in the Format property, then fire the ValueChange event after the Value property is updated. In this event, you can access the Value property to retrieve the user-entered date. In this scenario there is no need for a TextChanged event as valid inputs will trigger the ValueChange event and update the Value property. TextChanged is disabled as it is unnecessary, the DatePicker handles the input appropriately.

## ForceParse = False

The class does not automatically parse the text entered, and you are expected to do that in the TextChanged event, which has a parameter of newText as String. Using this parameter, you are expected to parse the date however you wish and update the Value of the control yourself. The class does not track the text within the textbox in a property because it should be a textual representation of the Date object stored in the Value property. ValueChange is disabled as it would only fire after you have just set the Value, therefore know that the value has changed.

## Examples

### Mobile Keyboard

For mobile devices, you can automatically set whether the keyboard will be displayed by using a condition like this to set the appropriate option:

```
Sub Shown() Handles Shown
    select case Session.Browser
    case WebSession.BrowserType.Android, _
        WebSession.BrowserType.Blackberry, _
        WebSession.BrowserType.OperaMini, _
        WebSession.BrowserType.SafariMobile
        me.DisableTouchKeyboard = True
    case else
        me.DisableTouchKeyboard = False
    end select
End Sub
```

As of R27, this property is renamed to DisableKeyboard.

## Changes to this Page

Date	Edit	Editor
07/25/2017	Added Xojo Docs Links	Anthony G. Cyphers
07/24/2017	Document Created	Anthony G. Cyphers

From:

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Last update: **2019/10/23 05:53**

