

## Re: Userform Date Formatting MM/DD/YYYY

**Source:** <http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.programming/2005-01/1911.html>

---

*anonymous\_at\_discussions.microsoft.com*

**Date:** 01/07/05

Date: Fri, 7 Jan 2005 09:46:01 -0800

Thanks for your help Bob. I think I'm going to use those spin buttons.

>-----Original Message-----

>Mike,

>

>The date mask is tricky, and I have not found a successful implementation

>(believe me I have tried. I have done the same in JavaScript, VBScript, et

>al, never to my full satisfaction).

>

>The problem with the calendar is you use a control, and you have to ship

>this with your application in case the recipient doesn't have it (not even

>sure about the license implications), so I avoid it.

>

>Anyway, here is that spinner code.

>

>'////////////////////////////////////

////////////////////////////////////

>////////////////////////////////////

>

>This technique uses spinbuttons to control the date input.

>

>There are 3 textboxes, one for the month, one for the day, and one for the

>year. Each has a spinbutton associated with it. These controls are called

>txtMonth

>txtDay

>txtYear

>spnMonth

>spnDay

>spnYear.

>And finally, there is another text box in which the full date is output,

>*this being called txtdate.*  
>  
>*Create these controls on a userform, with the appropriate*  
*textboxes and*  
>*spinbuttons adjacent.*  
>  
>*In the example, the month in the month textbox is shown*  
*as a month name*  
>*(short form, e.g. Sep).*  
>  
>*If an invalid choice is made, such as trying to increment*  
*the day number*  
>*when the current date is 28th Feb 2005, the code won't*  
*allow it, no warnings*  
>*or errors, it just doesn't do it. This applies to months*  
*(e.g. you can't*  
>*increment the month if the current date is 31st March*  
*2004, you need to*  
>*decrement the day first), and years (e.g. You can't*  
*decrement the year if*  
>*the current date is 29th Feb 2004, you must change the*  
*month or day first).*  
>  
>*The code also initialises the form with today's date.*  
>  
>*Option Explicit*  
>  
>*Dim aryMonths*  
>*Dim fEvents As Boolean*  
>*Const FormatMask As String = "mm/dd/yyyy"*  
>  
>*Private Sub spnDay\_Change()*  
> *If Not fEvents Then*  
> *fEvents = True*  
> *FormatDate Me.spnDay*  
> *fEvents = False*  
> *End If*  
>*End Sub*  
>  
>*Private Sub spnMonth\_Change()*  
> *If Not fEvents Then*  
> *fEvents = True*  
> *FormatDate Me.spnMonth*  
> *fEvents = False*  
> *End If*  
>*End Sub*  
>  
>*Private Sub spnMonth\_SpinDown()*  
> *With Me*  
> *.txtMonth.Text = aryMonths(.spnMonth.Value)*  
> *End With*

```
>End Sub
>
>Private Sub spnMonth_SpinUp()
> With Me
> .txtMonth.Text = aryMonths(.spnMonth.Value)
> End With
>End Sub
>
>Private Sub spnYear_Change()
> If Not fEvents Then
> fEvents = True
> FormatDate Me.spnYear
> fEvents = False
> End If
>End Sub
>
>Private Sub UserForm_Initialize()
>
> aryMonths = Array
(" ", "Jan", "Feb", "Mar", "Apr", "May", "Jun", _
> "Jul", "Aug", "Sep", "Oct", "Nov
", "Dec")
>
> With Me
> fEvents = True
> With .spnMonth
> .Min = 1: .Max = 12: .Value = Month(Date)
> End With
> With .spnDay
> .Min = 1: .Max = 31: .Value = Day(Date)
> End With
> With .spnYear
> .Min = 1900: .Max = 2999: .Value = Year(Date)
> End With
> fEvents = False
> FormatDate .spnDay
> End With
>
>End Sub
>
>Private Sub FormatDate(spinner As MSForms.SpinButton)
>Dim nextDate As Date
> With Me
> .txtMonth.Text = aryMonths(.spnMonth.Value)
> .txtDay.Text = Format(.spnDay.Value, "00")
> .txtYear.Text = Format(.spnYear.Value, "0000")
> .txtDate.Text = Format(.spnMonth.Value, "00")
& "/" & _
> Format(.spnDay.Value, "00") & "/"
& _
> .spnYear.Value
```

```
>
> On Error Resume Next
> nextDate = DateValue(.txtDate.Text)
> On Error GoTo 0
> If nextDate = 0 Then
> fEvents = False
> spinner.Value = spinner.Value - 1
> End If
> End With
> End Sub
>
>
>--
>
> HTH
>
> RP
> (remove nothere from the email address if mailing direct)
>
>
> <anonymous@discussions.microsoft.com> wrote in message
> news:148c01c4f2bf$6ef594c0$a301280a@phx.gbl...
>> Bob -
>>
>> Sure I'd appreciate it very much if you would give me
>> some code for those spin buttons.
>>
>> Are you sure there isn't some way I could get that
>> software date mask to work? Also I found a third
>> alternative. I could create a calendar button in VB and
>> get the user to select the date from that. You probably
>> already know how to do this but if you want the code for
>> the calendar button from me I'll be more than happy to
>> post it. Thanks again,
>>
>> Mike
>>
>> >-----Original Message-----
>> > Mike,
>> >
>> > One way to this would be to have spinbuttons and 4
>> textboxes all linked. It
>> > requires more code, but it is more resilient.
>> >
>> > Do you want some code for it?
>> >
>> >--
>> >
>> > HTH
>> >
>> > RP
```

>> >(remove nothere from the email address if mailing  
direct)  
>> >  
>> >  
>> >"Mike" <anonymous@discussions.microsoft.com> wrote in  
>> message  
>> >news:0ffd01c4f2aa\$524a7530\$a501280a@phx.gbl...  
>> >> I just double checked and my textbox is definitely  
>> named  
>> >> TextBox2. I think one alternative would be to have  
>> them  
>> >> input the month in one list box, the day in another  
>> list  
>> >> box, and the year into a third list box. I could  
then  
>> >> concatenate the output all into one cell. However  
>> this  
>> >> would require three seperate list boxes and to me  
that  
>> >> seems cumbersome.  
>> >>  
>> >> >-----Original Message-----  
>> >> >Are you sure that your textbox is named Texbox2 as  
in  
>> the  
>> >> code sample?  
>> >> >  
>> >> >It is very difficult to create a software date mask  
>> >> (which is what you  
>> >> >want), due to the number of combinations. The best  
>> thing  
>> >> is to trap the  
>> >> >input, as my routine does, and then validate at the  
>> end  
>> >> that it is a valid  
>> >> >date.  
>> >> >  
>> >> >--  
>> >> >  
>> >> >HTH  
>> >> >  
>> >> >RP  
>> >> >(remove nothere from the email address if mailing  
>> direct)  
>> >> >  
>> >> >  
>> >> >"Mike" <anonymous@discussions.microsoft.com> wrote  
in  
>> >> message  
>> >> >news:052f01c4f291\$2efbcc50\$a601280a@phx.gbl...  
>> >> >> Thank you in advance for your help.

```
>>>>
>>>> I have a UserForm with the following code:
>>>>
>>>> ActiveCell.Offset(0, 1).Select
>>>> Selection.NumberFormat = "MM/DD/YYYY"
>>>> ActiveCell = UserForm1.TextBox2
>>>>
>>>> The user is entering a date into TextBox2. I want
>> to
>>>> make
>>>> it so that they can only enter the date in
>> MM/DD/YYYY
>>>> format. The above code doesn't really work.
>>>>
>>>> So far I have tried the following:
>>>>
>>>>> 1. I went into Control Panel -> Regional Options
>> and set
>>>>> the short date format as MM/DD/YYYY. This updates
>> the
>>>>> dates when I type them directly into Excel but not
>> when
>>>>> I
>>>>> enter dates in the UserForm and then have the
>> UserForm
>>>>> place the dates on the worksheet.
>>>>>
>>>>> 2. I also tried the following code from another
>>>> NewsGroup:
>>>>> Private Sub TextBox2_KeyPress(ByVal KeyAscii As _
>>>>> MSForms.ReturnInteger)
>>>>> Dim cDelim As Long
>>>>> cDelim = Len(TextBox2.Text) - Len(Replace
>>>>> (TextBox2.Text, "/", ""))
>>>>> Select Case KeyAscii
>>>>> Case Asc("0") To Asc("9"): 'OK
>>>>> Case Asc("/"): 'OK
>>>>> If cDelim = 2 Then
>>>>> KeyAscii = 0
>>>>> Else
>>>>> cDelim = cDelim + 1
>>>>> End If
>>>>> Case Else: KeyAscii = 0
>>>>> End Select
>>>>> End Sub
>>>>>
>>>>> This hasn't solved my problem either. Maybe I'm
not
>>>>> placing this code in the correct part of the
>> Userform?
>>>>> I
```

microsoft.public.excel.programming: Re: Userform Date Formatting MM/DD/YYYY

>> >> >> *am using Windows 2000 Professional and Excel 2000.*

>> >> *Thanks*

>> >> >> *again for your help.*

>> >> >  
>> >> >  
>> >> >.  
>> >> >  
>> >  
>> >  
>> >.  
>> >  
>  
>  
>.  
>