

OpenOffice - Makro zur Einbindung der DLL MSR145_2.DLL

REM ***** BASIC *****

'*** GetDLLVersion ***

Declare Function DLL_GetVersion Lib "MSR145_2.dll" Alias "GetDLLVersion" As Long

```
Sub ButtonGetDLLVersion
    Dim Datei As Object
    Dim Blatt As Object
    Dim Result As Object

    Datei= ThisComponent
    Blatt= Datei.Sheets(0)
    Result= Blatt.getCellByPosition(3,2)
    Result.Value= DLL_GetVersion
End Sub
```

'*** OpenComport ***

Declare Function DLL_OpenComport Lib "MSR145_2.DLL" Alias "OpenComport" (a As Integer) As Long

```
Sub ButtonOpenComport
    Dim Datei As Object
    Dim Blatt As Object
    Dim PortNo As Integer
    Dim Result As Object

    Datei= ThisComponent
    Blatt= Datei.Sheets(0)
    PortNo= Blatt.getCellByPosition(1,4).Value
    Result= Blatt.getCellByPosition(3,4)
    Result.Value= DLL_OpenComport(PortNo)
End Sub
```

'*** CloseComport ***

Declare Function DLL_CloseComport Lib "MSR145_2.DLL" Alias "CloseComport" (a As Long) As Long

```
Sub ButtonCloseComport
    Dim Datei As Object
    Dim Blatt As Object
    Dim Port As Long
    Dim Result As Object

    Datei= ThisComponent
    Blatt= Datei.Sheets(0)
    Port= Blatt.getCellByPosition(3,4).Value
    Result= Blatt.getCellByPosition(3,6)
    Result.Value= DLL_CloseComport(Port)
End Sub
```

'*** WakeUp ***

Declare Function DLL_WakeUp Lib "MSR145_2.DLL" Alias "WakeUp" (a As Long) As Long

```
Sub ButtonWakeUp
    Dim Datei As Object
    Dim Blatt As Object
    Dim Port As Long
    Dim Result As Object

    Datei= ThisComponent
    Blatt= Datei.Sheets(0)
    Port= Blatt.getCellByPosition(3,4).Value
    Result= Blatt.getCellByPosition(3,8)
    Result.Value= DLL_WakeUp(Port)
End Sub
```

'*** TxRx ***

Declare Function DLL_TxRx Lib "MSR145_2.DLL" Alias "TxRx" (port As Long ,i0 As Integer, i1 As Integer, i2 As Integer, i3 As Integer, i4 As Integer, i5 As Integer, i6 As Integer, o0 As Integer, o1 As Integer, o2 As Integer, o3 As Integer, o4 As Integer, o5 As Integer, o6 As Integer) As Long

```
Sub ButtonTxRx
    Dim Datei As Object
    Dim Blatt As Object
    Dim Port As Long
    Dim i0, i1, i2, i3, i4, i5, i6 As Integer
    Dim o0, o1, o2, o3, o4, o5, o6 As Integer
    Dim Result As Object
```

```

Datei= ThisComponent
Blatt= Datei.Sheets(0)
Port= Blatt.getCellByPosition(3,4).Value
i0= Blatt.getCellByPosition(1,11).Value
i1= Blatt.getCellByPosition(1,12).Value
i2= Blatt.getCellByPosition(1,13).Value
i3= Blatt.getCellByPosition(1,14).Value
i4= Blatt.getCellByPosition(1,15).Value
i5= Blatt.getCellByPosition(1,16).Value
i6= Blatt.getCellByPosition(1,17).Value
Result= Blatt.getCellByPosition(3,10)
Result.Value= DLL_TxRx(Port, i0, i1, i2, i3, i4, i5, i6, o0, o1, o2, o3, o4, o4, o5, o6)
Blatt.getCellByPosition(3,11).Value= i0
Blatt.getCellByPosition(3,12).Value= i1
Blatt.getCellByPosition(3,13).Value= i2
Blatt.getCellByPosition(3,14).Value= i3
Blatt.getCellByPosition(3,15).Value= i4
Blatt.getCellByPosition(3,16).Value= i5
Blatt.getCellByPosition(3,17).Value= i6
End Sub

'*** TxRx ***

Declare Function DLL_TxRx Lib "MSR145_2.DLL" Alias "TxRx" (port As Long ,i0 As Integer, i1 As
Integer, i2 As Integer, i3 As Integer, i4 As Integer, i5 As Integer, i6 As Integer, o0 As Integer,
o1 As Integer, o2 As Integer, o3 As Integer, o4 As Integer, o5 As Integer, o6 As Integer) As Long

Sub ButtonGetP
Dim Datei As Object
Dim Blatt As Object
Dim Port As Long
Dim i0, i1, i2, i3, i4, i5, i6 As Integer
Dim o0, o1, o2, o3, o4, o5, o6 As Integer
Dim res As Long
Dim Result As Object

Datei= ThisComponent
Blatt= Datei.Sheets(0)
Port= Blatt.getCellByPosition(3,4).Value
Result= Blatt.getCellByPosition(3,20)

'Read
i0= 2
i1= 2
i2= 0 'p
i3= 5 'RH
i4= 7 'T
i5= 0
i6= 0
res= DLL_TxRx(Port, i0, i1, i2, i3, i4, i5, i6, o0, o1, o2, o3, o4, o5, o6)
Result.Value= res
if res = 0 then
    Blatt.getCellByPosition(3,21).Value= (o2*256+o1)/10
    Blatt.getCellByPosition(3,22).Value= (o4*256+o3)/100
    Blatt.getCellByPosition(3,23).Value= (o6*256+o5)*70/2047-10
else
    Blatt.getCellByPosition(3,21).Value= 0
    Blatt.getCellByPosition(3,22).Value= 0
    Blatt.getCellByPosition(3,23).Value= 0
endif
'Measure
if res = 0 then
    i0= 6
    i1= 3
    i2= 0
    i3= 255
    i4= 255
    i5= 0
    i6= 0
    res= DLL_TxRx(Port, i0, i1, i2, i3, i4, i5, i6, o0, o1, o2, o3, o4, o5, o6)
    Result.Value= res
endif
End Sub

```