Beispiel Joystick

Option Explicit
Private j_id, j_error, j_cbjc As Long
Private j_caps As JOYCAPS
Private j_info As JOYINFO
Private j_infoex As JOYINFOEX
Private j_run As Boolean

Private Sub CmdB_run_Click()
    Dim old_text, new_text As String
    j_run = Not j_run
    If j_id > -1 Then
        old_text = Text1.Text
        Do While j_run
            old_text = old_text
            j_error = Mod_Joystick.JoyGetDos(j_id, j_info)
            If j_error = Mod_Joystick.JOYERR_WARNING Then

        End Do
    End If
End Sub
DoEvents
new_text = old_text
j_error = Mod_joystick.joyGetPos(j_id, j_info)
If j_error = Mod_joystick.JOYERR_NOERROR Then
    new_text = new_text & Chr$(13) & Chr$(10) & Chr$(13) & Chr$(10) & "Joystick " & Str$(j_id) & " Buttons: " & Str$(j_info.wButtons) & " x: " & Str$(j_info.wXpos) & " y: " & Str$(j_info.wYpos) & " z: " & Str$(j_info.wZpos)
Else
    Debug.Print "Error Joystick "; j_id; " joyGetPos: "; j_error
End If
j_infoex.dwFlags = Mod_joystick.JOY_RETURNALL
j_infoex.dwSize = LenB(j_infoex)
j_error = Mod_joystick.joyGetPosEx(j_id, j_infoex)
If j_error = Mod_joystick.JOYERR_NOERROR Then
    new_text = new_text & Chr$(13) & Chr$(10) & "Joystick " & Str$(j_id) & " Buttons: 
    Str$(j_infoex.dwButtons) & " x: " & Str$(j_infoex.dwXpos) & " y: " & Str$(j_infoex.dwYpos) & " z: 
    Str$(j_infoex.dwPOV) & " r: " & Str$(j_infoex.dwRpos) & " u: " & Str$(j_infoex.dwUpos) & " v: " & Str$(j_infoex.dwVpos) & " pressed Buttons: 
    Str$(j_infoex.dwButtonNumber)
Else
    Debug.Print "Error Joystick "; j_id; " joyGetPosEx: "; j_error
End If
Text1.Text = new_text
Loop
Text1.Text = old_text
End If
End Sub

Private Sub Form_Load()
Dim n_joy As Integer
Dim i As Long

Debug.Print "Search for Joysticks!"

n_joy = Mod_joystick.joyGetNumDevs()
Text1.Text = "Number of supported joy sticks: "; Str$(n_joy)

j_id = -1
For i = 0 To (n_joy - 1)
j_error = Mod_joystick.joyGetPos(i, j_info)
If j_error = Mod_joystick.JOYERR_NOERROR Then
    Text1.Text = Text1.Text & Chr$(13) & Chr$(10) & "Joystick "; i; " found;
        Buttons: 
    Str$(j_info.wButtons) & " x: 
    Str$(j_info.wXpos) & " y: 
    Str$(j_info.wYpos) & " z: 
    Str$(j_info.wZpos)
    j_id = i
Else
    Debug.Print "Error Joystick "; i; " joyGetPos: "; j_error
End If
Next i
If j_id > -1 Then
j_cbjc = LenB(j_caps)
Debug.Print "Length of caps-Structure: ", j_cbjc
j_error = Mod_joystick.joyGetDevCaps(j_id, j_caps, j_cbjc)
If j_error = Mod_joystick.JOYERR_NOERROR Then
  Text1.Text = Text1.Text & Chr$(13) & Chr$(10) & "Caps: " & j_caps.szPname
Else
  Debug.Print "Error Joystick "; j_id; " joyGetDevCaps: "; j_error
End If
''j_error = Mod_joystick.joyReleaseCapture(j_id)
'If j_error <> Mod_joystick.JOYERR_NOERROR Then Debug.Print "Error
joyReleaseCapture: "; j_error
End If

End Sub

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**Code Module  Mod_joytest**

Option Explicit

Public Const JOY_BUTTON1 = &H1
Public Const JOY_BUTTON2 = &H2
Public Const JOY_BUTTON3 = &H4
Public Const JOY_BUTTON4 = &H8
Public Const JOY_BUTTON5 = &H10&
Public Const JOY_BUTTON6 = &H20&
Public Const JOY_BUTTON7 = &H40&
Public Const JOY_BUTTON8 = &H80&
Public Const JOY_BUTTON9 = &H100&
Public ConstJOY_BUTTON10 = &H200&
Public Const JOY_BUTTON11 = &H400&
Public Const JOY_BUTTON12 = &H800&
Public Const JOY_BUTTON13 = &H1000&
Public Const JOY_BUTTON14 = &H2000&
Public Const JOY_BUTTON15 = &H4000&
Public Const JOY_BUTTON16 = &H8000&
Public Const JOY_BUTTON17 = &H10000
Public Const JOY_BUTTON18 = &H20000
Public Const JOY_BUTTON19 = &H40000
Public Const JOY_BUTTON20 = &H80000
Public Const JOY_BUTTON21 = &H100000
Public Const JOY_BUTTON22 = &H200000
Public Const JOY_BUTTON23 = &H400000
Public Const JOY_BUTTON24 = &H800000
Public Const JOY_BUTTON25 = &H1000000
Public Const JOY_BUTTON26 = &H2000000
Public Const JOY_BUTTON27 = &H4000000
Public Const JOY_BUTTON28 = &H8000000
Public Const JOY_BUTTON29 = &H10000000
Public Const JOY_BUTTON30 = &H20000000
Public Const JOY_BUTTON31 = &H40000000
Public Const JOY_BUTTON32 = &H80000000
Public Const JOY_BUTTON1CHG = &H100
Public Const JOY_BUTTON2CHG = &H200
Public Const JOY_BUTTON3CHG = &H400
Public Const JOY_BUTTON4CHG = &H800
Public Const JOY_CAL_READ3 = &H40000
Public Const JOY_CAL_READ4 = &H80000
Public Const JOY_CAL_READ5 = &H400000
Public Const JOY_CAL_READ6 = &H800000
Public Const JOY_CAL_READALWAYS = &H10000
Public Const JOY_CAL_READRONLY = &H2000000
Public Const JOY_CAL_READUONLY = &H4000000
Public Const JOY_CAL_READVONLY = &H8000000
Public Const JOY_CAL_READXONLY = &H100000
Public Const JOY_CAL_READXYONLY = &H20000
Public Const JOY_CAL_READZONLY = &H1000000
Public Const JOYSTICKID1 = 0
Public Const JOYSTICKID2 = 1
Public Const MAXPNAMELEN = 32 ' max product name length (including NULL)
Public Const MAX_JOYSTICKOEMVXDNAME = 260

Public Type JOYCAPS
  wMid As Integer
End Type
wPid As Integer
szPname As String * MAXPNAMELEN
wXmin As Integer
wXmax As Integer
wYmin As Integer
wYmax As Integer
wZmin As Integer
wZmax As Integer
wNumButtons As Integer
wPeriodMin As Integer
wPeriodMax As Integer
'wrmin As Integer
'wrmax As Integer
'wUmin As Integer
'wUmax As Integer
'wVmin As Integer
'wVmax As Integer
'WCaps As Integer
'wMaxAxes As Integer
'wNumAxes As Integer
'wMaxButtons As Integer
'szRegKey As String * MAXPNAMELEN
'szOEMUtxD As String * MAX_JOYSTICKOEMVXDNAME
End Type

Public Type JOYINFO
wXpos As Long
wYpos As Long
wZpos As Long
wButtons As Long
End Type

Public Type JOYINFOEX
    dwSize As Long          ' size of structure
    dwFlags As Long          ' flags to indicate what to return
    dwXpos As Long           ' x position
    dwYpos As Long           ' y position
    dwZpos As Long           ' z position
    dwRpos As Long           ' rudder/4th axis position
    dwUpos As Long           ' 5th axis position
    dwVpos As Long           ' 6th axis position
    dwButtons As Long        ' button states
    dwButtonNumber As Long   ' current button number pressed
    dwPOV As Long            ' point of view state
    dwReserved1 As Long      ' reserved for communication between winmm driver
    dwReserved2 As Long      ' reserved for future expansion
End Type

Public Declare Function joyGetDevCaps Lib "winmm.dll" Alias "joyGetDevCapsA" (ByVal id As Long, lpCaps As JOYCAPS, ByVal uSize As Long) As Long
Public Declare Function joyGetNumDevs Lib "winmm.dll" () As Long
Public Declare Function joyGetPos Lib "winmm.dll" (ByVal uJoyID As Long, pji As JOYINFO) As Long
Public Declare Function joyGetPosEx Lib "winmm.dll" (ByVal uJoyID As Long, pji As JOYINFOEX) As Long
Public Declare Function joyGetThreshold Lib "winmm.dll" (ByVal id As Long, lpuThreshold As Long) As Long
Public Declare Function joyReleaseCapture Lib "winmm.dll" (ByVal id As Long) As Long
Public Declare Function joySetCapture Lib "winmm.dll" (ByVal hwnd As Long, ByVal uID As Long, ByVal uPeriod As Long, ByVal bChanged As Long) As Long
Public Declare Function joySetThreshold Lib "winmm.dll" (ByVal id As Long, ByVal uThreshold As Long) As Long