

Windows VB example for switching on and off the KMTronic USB One Relay



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Downloads:

- FTDI drivers
<http://www.ftdichip.com/Drivers/VCP.htm>

Step by step instructions:

1. Download the drivers
2. Connect USB relay and install drivers
3. Check in Device Manager COM port where the Relay is installed (in this example it is COM Port 5)



Sample VB6 code:

```
Private Sub cmdOff_Click()  
    With MSComm1  
        'make sure the serial port is open  
        If .PortOpen = False Then .PortOpen = True  
        'send the data  
        .Output = Chr$(255)  
        .Output = Chr$(1)  
        .Output = Chr$(0)  
    End With 'MSComm1  
End Sub
```

```
Private Sub cmdOn_Click()  
    With MSComm1  
        'make sure the serial port is open  
        If .PortOpen = False Then .PortOpen = True  
        'send the data  
        .Output = Chr$(255)  
        .Output = Chr$(1)  
        .Output = Chr$(1)  
    End With 'MSComm1  
End Sub
```

Sample Microsoft Visual Basic 2008 code (Sample 1):

```
Private Sub ON_Button_Click(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles ON_Button.Click  
    SerialPort1.Open()  
    SerialPort1.Write(New Byte() {255, 1, 1}, 0, 3)  
    SerialPort1.Close()  
End Sub
```

```
Private Sub OFF_Button_Click(ByVal sender As System.Object, ByVal e As  
System.EventArgs) Handles OFF_Button.Click  
    SerialPort1.Open()  
    SerialPort1.Write(New Byte() {255, 1, 0}, 0, 3)  
    SerialPort1.Close()  
End Sub  
Private Sub cmdOff_Click()
```

**Sample Microsoft Visual Basic 2008 code (Sample 2):
(Many thanks to Andrew Magennis for this code)**

```
If SerialPort1.IsOpen = False Then
    SerialPort1.Open() 'opens the serial port
    Dim data(3) As Byte
    data(0) = 255 'data for entering comand mode
    data(1) = 1 'data to select which relay 1-8, in this case 2
    data(2) = 1 'turn on the relay, or 0 to turn it off
    SerialPort1.Write(data, 0, 3) 'write the data to the serial port,
    SerialPort1.
End If
```

```
If SerialPort1.IsOpen = False Then
    SerialPort1.Open() 'opens the serial port
    Dim data(3) As Byte
    data(0) = 255 'data for entering comand mode
    data(1) = 1 'data to select which relay 1-8, in this case 2
    data(2) = 0 'turn on the relay, or 0 to turn it off
    SerialPort1.Write(data, 0, 3) 'write the data to the serial port,
    SerialPort1.
End If
```