

a:control
a:control COM InterOP



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Note:

All screenshots and pictures of the application which are shown in this document are to be taken as examples and are subjected to the copyright of Allen Coding GmbH.

1. System requirements

Software	Windows 7 SP1 Windows XP embedded ab Service Pack 3 Windows 10 Microsoft .NET Framework 4.0 a:control installation up from 1.8.3
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It's absolutely possible that the software is running without problems on differing system constellations. The performance of the application will possibly slow down with older hardware. Most important for a faultless application execution is enough free working memory and hard disk space.

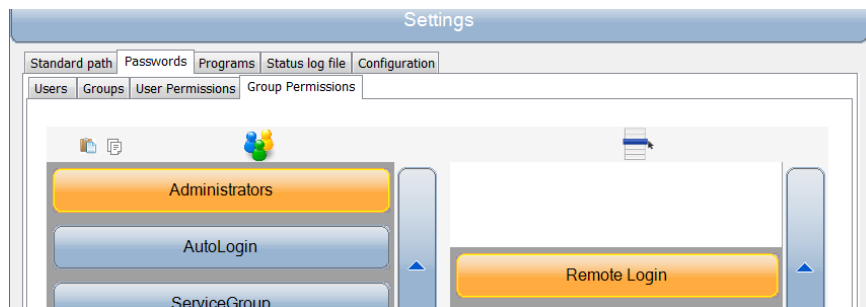
Printer-Hardware	Requirements
Printer model	NGT2, NGT2+, NGT4, NGT4+, NGT6, NGT6E, NGT8, NGT8E, MLi, XLU, XL5000
Connectivity	Serial or Ethernet Network

2. COM InterOp

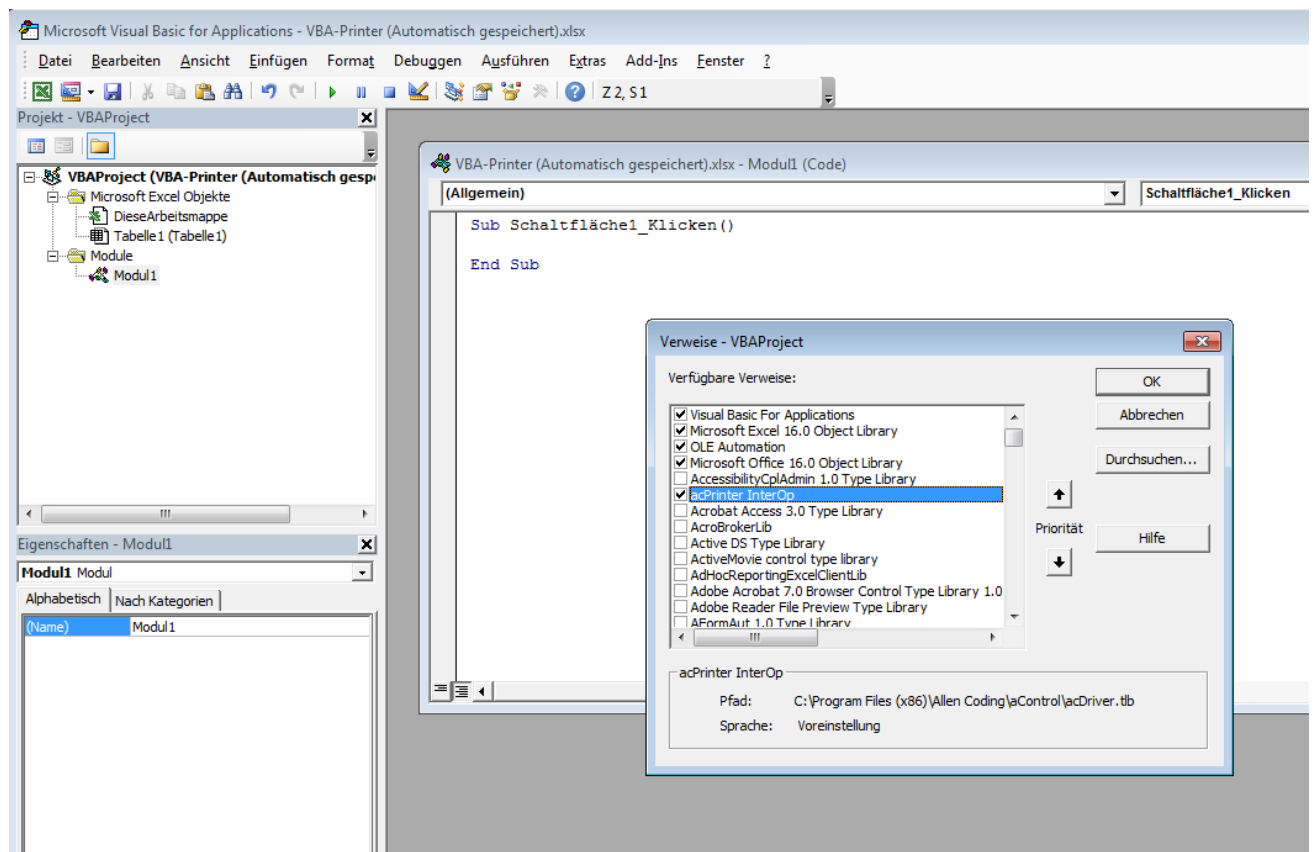
For using the COM-Interop ability of a:control you have to use the typelib *.tlb in the a:control installation folder (normally C:\Program Files (x86)\Allen Coding\acControl\acDriver.tlb)

The acDriver.tlb can be referenced by any software that uses ActiveX.

For using the ActiveX component with username/password, the RemoteLogin group permission has to be added to the users group (a:control -> Settings->Passwords->Group permissions). Note that the password functionality has to be enabled for this.



Example (VBA):

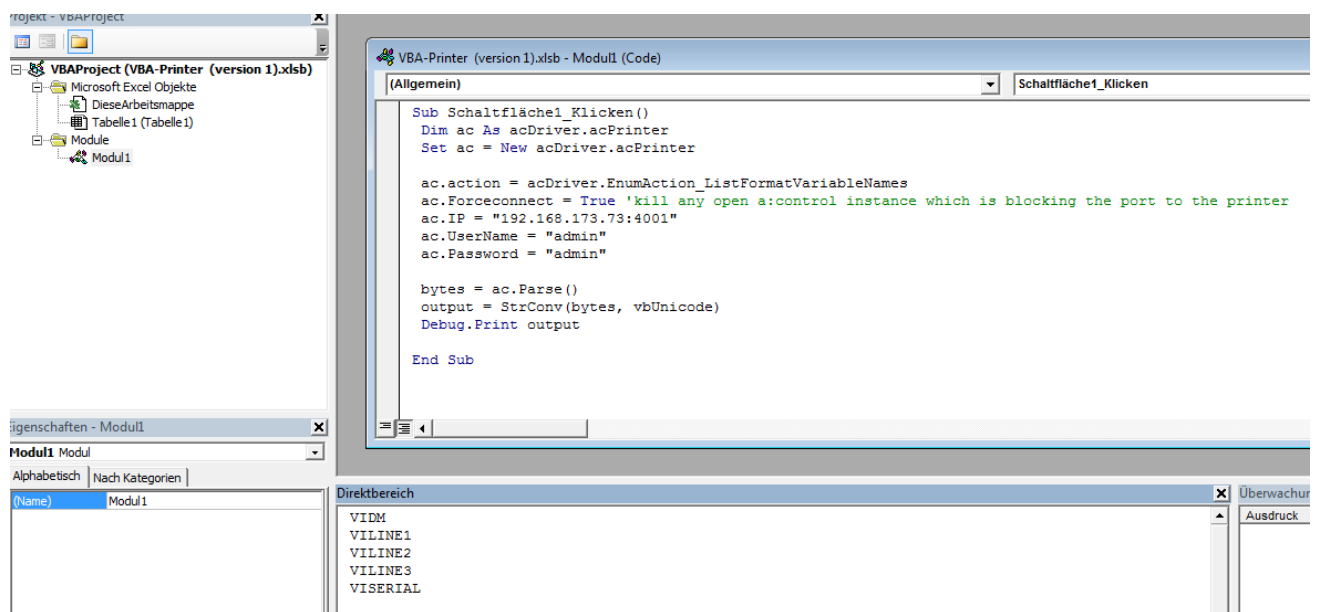
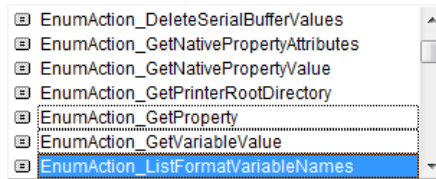


a:control

```
Sub Schaltfläche1_Klicken()  
    Dim ac As acDriver.acPrinter  
    Set ac = New acDriver.acPrinter
```

```
    ac.action = acDriver.
```

```
End Sub
```



```
Sub Button1_Click()  
Dim ac As acDriver.acPrinter  
Set ac = New acDriver.acPrinter  
  
ac.UserName = "admin" 'use a:control user/password  
ac.Password = "admin"  
  
'Connect  
ac.Forceconnect = True 'kill any open a:control instance which is blocking the port to the printer  
ac.IP = "192.168.173.73:4001"  
ac.Open  
  
If (ac.IsConnected) Then  
  
    'list variablenames  
    result = ac.Parse(EnumAction_ListFormatVariableNames)  
    Debug.Print (StrConv(result, vbUnicode))  
  
    'list properties  
    result = ac.Parse(EnumAction_ListProperties)  
    Debug.Print (StrConv(result, vbUnicode))  
  
    'get Status  
    ac.get = "Status"  
    result = ac.Parse(EnumAction_GetProperty)  
    Debug.Print (StrConv(result, vbUnicode))  
  
    'get Density  
    ac.get = "Density"  
    result = ac.Parse(EnumAction_GetProperty)  
    Debug.Print (StrConv(result, vbUnicode))  
  
    'set Density  
    ac.Set = "Density,44"  
    result = ac.Parse(EnumAction_SetProperty)  
    Debug.Print (StrConv(result, vbUnicode))  
  
    ac.Close  
  
End If
```

enumActions:

```
ListProperties = 0,  
ListPropertiesReadOnly,  
ListPropertiesReadWrite,  
TriggerPrint,  
Lock,  
Unlock,  
ListFormatVariableNames,  
ListNativeProperties,  
GetNativePropertyValue,  
SetNativePropertyValue,  
DeleteSerialBufferValues,  
AppendSerialVariableValues,  
GetNativePropertyAttributes,  
SetVariableValue,  
GetVariableValue,  
UploadToPrinterRoot,  
GetPrinterRootDirectory,  
SendBytes,  
SendFileRaw,  
SendFormat,  
SendFirmwareFile,  
SetProperty,  
GetProperty
```

Methods:

```
public string IP  
public string Comport  
public string Filename  
public string Set  
public string Get  
public Byte[] Sendbytes  
public EnumAction Action  
public string Timeout  
public string Firmware  
public string Upload  
public string Directory  
public string Variablesset  
public string Variableget  
public string Serialset  
public string Serialdelete  
public string Attributesnative  
public string Getnative  
public string Setnative  
public string Username  
public string Password  
public bool Forceconnect  
public bool Show  
public bool Fullresponse  
public EnumError Error  
public EnumPrinterEncoding PrinterEncoding  
public event PrinterEvent OnPrinterResponse;  
  
public byte[] Parse()
```