



APG USBQFUMC Software Development Kit Quick Reference Guide

Version 1.0

The APG USB Quick Fire Software Development Kit is intended for Windows-based unmanaged-code environments such as Visual Basic 6.0.

The solution contains three files:

1. USBQFUMC.dll (assembly)
2. USBQFUMC.tlb (type library for interface reference)
3. APGQFUMCASM (optional strong name signing key)

The USBQFUMC.dll assembly must be registered prior to making reference (importing) in the unmanaged-code environment. The assembly must be located within the 'USBQFUMC Assembly' folder.

To register the USBQFUMC.dll assembly, use the Windows 'regasm' utility.

Example:

Open the Command Prompt with Administrator credentials, change directory (cd) to the folder containing the three APG USB Quick Fire Solution files and perform the registration with the 'codebase' switch:

```
C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /codebase USBQFUMC.dll
```



```
Administrator: Command Prompt
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\temp\APG USBQFUMC v1.00\sample\UB6
C:\temp\APG USBQFUMC v1.00\sample\UB6>C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /codebase USBQFUMC.dll
Microsoft (R) .NET Framework Assembly Registration Utility 2.0.50727.5420
Copyright (C) Microsoft Corporation 1998-2004. All rights reserved.

Types registered successfully
C:\temp\APG USBQFUMC v1.00\sample\UB6>
```

Note the message provided as response upon successful registration of the assembly. Once registered, the APG USB Quick Fire Assembly is available for referencing within the provided Visual Basic 6.0 Sample application/project and the target development environment.

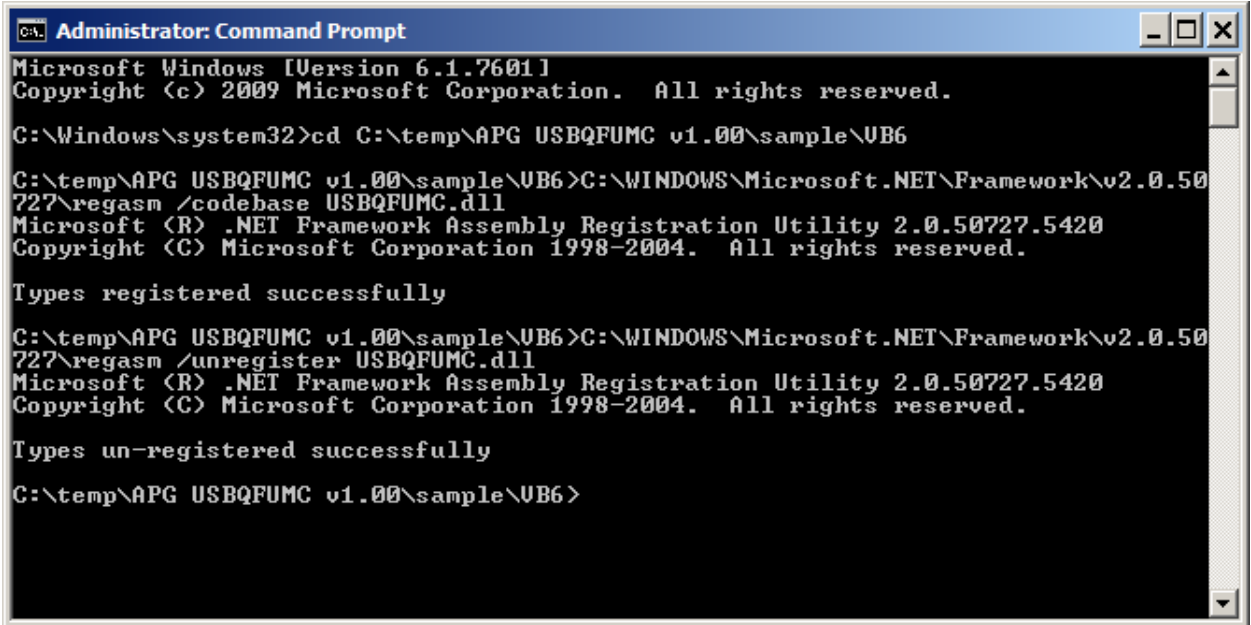
A Visual Basic 6.0 USBQFUMCSample application and supporting project are located in the 'sample' folder. This project is intended to provide a means to test the cash drawer and to inform application development.

Note:

The VB6 Sample application requires the USBQFUMC.dll assembly registration; perform the 'regasm' in the folder containing the 'USBQFUMCSample.exe' application prior to execution. The required USBQFUMC.dll assembly files have previously been copied to this folder for registration.

To unregister the assembly, open the Command Prompt with Administrator credentials, change directory (cd) to the folder containing the three APG USB Quick Fire Solution files and perform the 'regasm' command with the /unregister switch:

```
C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /unregister USBQFUMC.dll
```



A screenshot of a Windows Command Prompt window titled "Administrator: Command Prompt". The window shows the following commands and output:

```
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd C:\temp\APG USBQFUMC v1.00\sample\UB6
C:\temp\APG USBQFUMC v1.00\sample\UB6>C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /codebase USBQFUMC.dll
Microsoft (R) .NET Framework Assembly Registration Utility 2.0.50727.5420
Copyright (C) Microsoft Corporation 1998-2004. All rights reserved.

Types registered successfully
C:\temp\APG USBQFUMC v1.00\sample\UB6>C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /unregister USBQFUMC.dll
Microsoft (R) .NET Framework Assembly Registration Utility 2.0.50727.5420
Copyright (C) Microsoft Corporation 1998-2004. All rights reserved.

Types un-registered successfully
C:\temp\APG USBQFUMC v1.00\sample\UB6>
```

A red arrow points from the left margin to the second command prompt line: `C:\temp\APG USBQFUMC v1.00\sample\UB6>C:\WINDOWS\Microsoft.NET\Framework\v2.0.50727\regasm /unregister USBQFUMC.dll`.

Requirements:

- Windows 'regasm' utility application.
- Windows .Net Framework 2.0 minimum.