

E-SEEK's Technical Note

Note #: 1903-01

Date: 3/4/2019

- Title:** Application update for new hardware and device driver changes.
- Issue:** Application is updated due to new hardware and device driver change.
- Solution:** Please add the code in the red box below in the application software (from the V3.02.01-beta Demo App).

Form1.cs (line 168~173), SetDevice()

```
163:         /*Summary
164:         Search the device with PID,VID and if found, select the end point
165:         */
166:         private void SetDevice()
167:         {
168:             // Application update for new hardware and device driver changes (#1903-01) -->
169:             MyDevice = usbDevices[M280DEF.USB_VID, M280DEF.USB_PID] as CyUSBDevice;
170:             if (MyDevice == null)
171:                 //For new version(M280v2)
172:                 MyDevice = usbDevices[M280DEF.USB_VID, M280DEF.USB3_PID] as CyUSBDevice;
173:             //<-- Application update for new hardware and device driver changes (#1903-01)
174:             if (MyDevice != null)
175:             {
176:                 // USB High Speed Check
177:                 ..
```

Form1.cs (line 349~352), XferData()

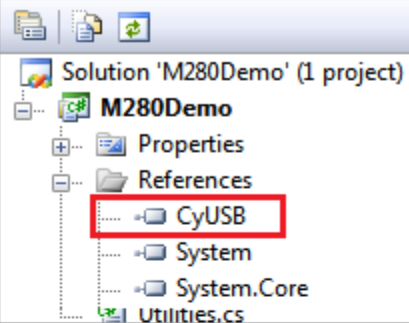
```
341:         while (bRunning)
342:         {
343:             // WaitForXfer
344:             unsafe
345:             {
346:                 fixed (byte* tmpOverlap = oLaps[k])
347:                 {
348:                     OVERLAPPED* ovLapStatus = (OVERLAPPED*)tmpOverlap;
349:                     // Data transmission timeout error issue. (#1902-01, #1903-01) -->
350:                     //if (!inEndpoint.WaitForXfer(ovLapStatus->hEvent, 500))
351:                     if (!inEndpoint.WaitForXfer(ovLapStatus->hEvent, 1000))
352:                     // <-- Data transmission timeout error issue. (#1902-01, #1903-01)
353:                     {
354:                         inEndpoint.Abort();
355:                         PInvoke.WaitForSingleObject(ovLapStatus->hEvent, 500);
356:                     }
```

M280DEF.cs (line 57~60), class M280DEF

```
50     class M280DEF
51     {
52         // Software Version
53         public const string SWver = "3.20.01-Beta";
54         public const string ProName = "M280 Demo App";
55
56         // PID, VID
57         // Application update for new hardware and device driver changes (#1903-01) -->
58         public const ushort USB_PID = 0x0280; //Previous version FX2
59         public const ushort USB3_PID = 0x0282; //new version FX3
60         //<-- Application update for new hardware and device driver changes (#1903-01)|
61         public const ushort USB_VID = 0x28A6;
62     }
```

Update new CyUSB.dll (1.2.3.0)

Solution Explorer - Solution 'M280Demo' (1 project)



Properties

CyUSB Reference Properties

(Name)	CyUSB
Aliases	global
Copy Local	True
Culture	
Description	.NET Interface to CyUSB3.sys driver - Release 1.2.3
File Type	Assembly
Identity	CyUSB
Path	C:\M280v2\App\M280Demo2\M280Demo\M280Demo\lib\CyUSB.dll
Resolved	True
Runtime Version	v2.0.50727
Specific Version	False
Strong Name	True
Version	1.2.3.0