E-SEEK's Technical Note

Note #: 1805-01

Date: 5/29/2018

Title: M280 Windows 10 update (version 1803) Issue.

Issue: The M280 does stop working with Windows 10 after update to Version 1803
(April 2018 Release)

Solution: Please insert the code in the red box below in the application software
(from the V3.01.00 Demo App).

Form1.cs (line 65~67)

```
60
61          // These are  needed for Thread to make image view function
62          delegate void Image_View();
63          Image_View Img_View;
64
65          // WIN10 UPDATE (VER:1803) -->
66          static bool bRelease = true;
67          // <-- WIN10 UPDATE (VER:1803)
68
69 ⊟       public Form1()
70          {
71              InitializeComponent();
72
```

Form1.cs (line 366~370)

```
360              }
361              else
362              {
363                  Failures++;
364              }
365
366              // WIN10 UPDATE (VER:1803) -->
367              // Re-submit this buffer into the queue
368              len = BufSz;
369              inEndpoint.BeginDataXfer(ref cBufs[k], ref xBufs[k], ref len, ref oLaps[k]);
370              // <-- WIN10 UPDATE (VER:1803)
371
372              k++;
373              if (k == QueueSz)  // Finish
374              {
375                  k = 0;
376                  Thread.Sleep(1);
```

Form1.cs (line 412~415)

```
408                    Thread.Sleep(100);
409                    bRunning = false;
410                }
411            }
412            // WIN10 UPDATE (VER:1803) -->
413            inEndpoint.Abort();
414            bRelease = true;
415            // <-- WIN10 UPDATE (VER:1803)
416        }
417
418        /*Summary
419         The callback routine delegated to updateUI.
420        */
421        public void StatusUpdate()
422        {
```

From1.cs (line 676~679)

```
671        private void btnCapture_Click(object sender, EventArgs e)
672        {
673            if (MyDevice == null || ep0 == null || inEndpoint == null) return;
674            if (bRunning == true || this.bInitM280 == false || this.bSysBusy == true) return;
675
676            // WIN10 UPDATE (VER:1803) -->
677            if (bRelease == false) return;
678            bRelease = false;
679            // <-- WIN10 UPDATE (VER:1803)
680
681            bRunning = true;
682
683
684            BufSz = inEndpoint.MaxPktSize * M280DEF.Packet_Xfer;
685            QueueSz = BufNum;
```