UL-SB0012 New Control Computer Setup

Tool List

1. New control computer with 64-bit Windows 10.

Instructions

1. NOTE: Do not connect the computer to the UltraLo-1800 until instructed to do so as this may cause driver errors.
2. Complete the Windows installation process as per your organization's typical standards.
    a. It's highly recommended that the user account that controls the UltraLo-1800 be named "UltraLo", and be the primary (preferably sole) account on the computer. Doing otherwise may cause errors.
    b. It's recommended (but not required) that the computer be named "UL-[4-digit serial number]", eg "UL-1234".
    c. If you wish to use the remaining standard settings XIA uses, please contact us at support@xia.com, but note that these settings change frequently with Windows versions so XIA's instructions may be out of date.
3. Disable automatic restart for Windows Updates via group policy.
    a. Open the start menu, search for "group policy".
    b. Navigate to Local Computer Policy -> Computer Configuration -> Administrative Templates -> Windows Components -> Windows Update.
    c. Double-click on "Configure Automatic Updates"
        i. Select the "Enable" radio button.
        ii. Set "Configure automatic updating" to "3"
        iii. Press "OK"
    d. Double-click on "No auto-restart with logged on users for scheduled Automatic Update installation"
        i. Select the "Enable" radio button.
        ii. Press "OK".
    e. Close the group policy window.
4. Disable sleep/hibernation
    a. Open the Control Panel (Start-> search for "Control Panel").
    b. Navigate to Power Options and click "Change plan settings" for the selected plan.
    c. Set the "Sleep" option to "Never" (this may require administrator permissions).
    d. Click "Change advanced power settings".
    e. Expand all the menus under "sleep" (eg "Sleep After", "Hibernate After") and ensure they're all turned off.
5. Download the latest CounterMeasure release from http://support.xia.com/default.asp?W430 and install it.

6. Download the latest version of the SeaMAX program for the optical isolator from https://www.sealevel.com/support/software-seamax-windows/ and install it.
   a. Note: installation may prompt for the product name, it's "8112".
7. Download and install the serial power driver from https://www.advantech.com/support/details/driver?id=1-13U9QTV.
8. Connect the compter to the UltraLo-1800 and turn on the power.
9. Start CounterMeasure.
   a. CounterMeasure doesn't start, contact XIA at support@xia.com and include the "CounterMeasure.log" file found in C:\Users\UltraLo\AppData\Roaming\XIA LLC\CounterMeasure\Logs, as well as a picture of the device manager with the "Universal Serial Bus controllers" and "Ports (COM & LPT)" sections expanded.
10. Update the calibration certificate with the one provided by XIA.
    a. Restart CounterMeasure for all the settings in the certificate to take effect.