

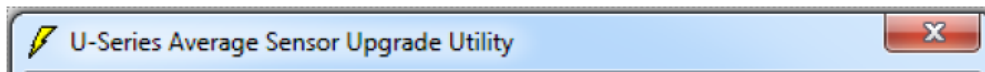
U-Series USB Average Sensor Upgrade Utility

The U-Series USB Average Sensor Upgrade Utility is used to upgrade the firmware of Keysight U2000 and U848X Series USB average power sensors. This help file contains quick and easy instructions that will guide you on how to upgrade your USB power sensor firmware by using the Upgrade Utility.

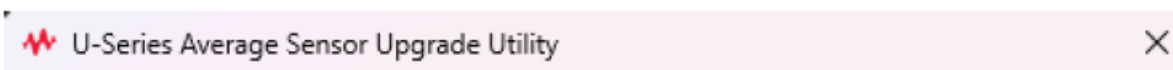
CAUTION: Do not disconnect the USB power sensor during firmware upgrading process.

For U848x Series Sensors:

To upgrade or downgrade to firmware version **A.02.05 and below**, use UUU version **R01.07.00**. The header has lightning logo as shown below. Refer to steps **A1 to A4**.



To upgrade or downgrade to firmware version **A.02.06 and above**, use UUU version **2.0.0.9 or later**. The header has Keysight logo as shown below. Refer to steps **B1 to B4**.

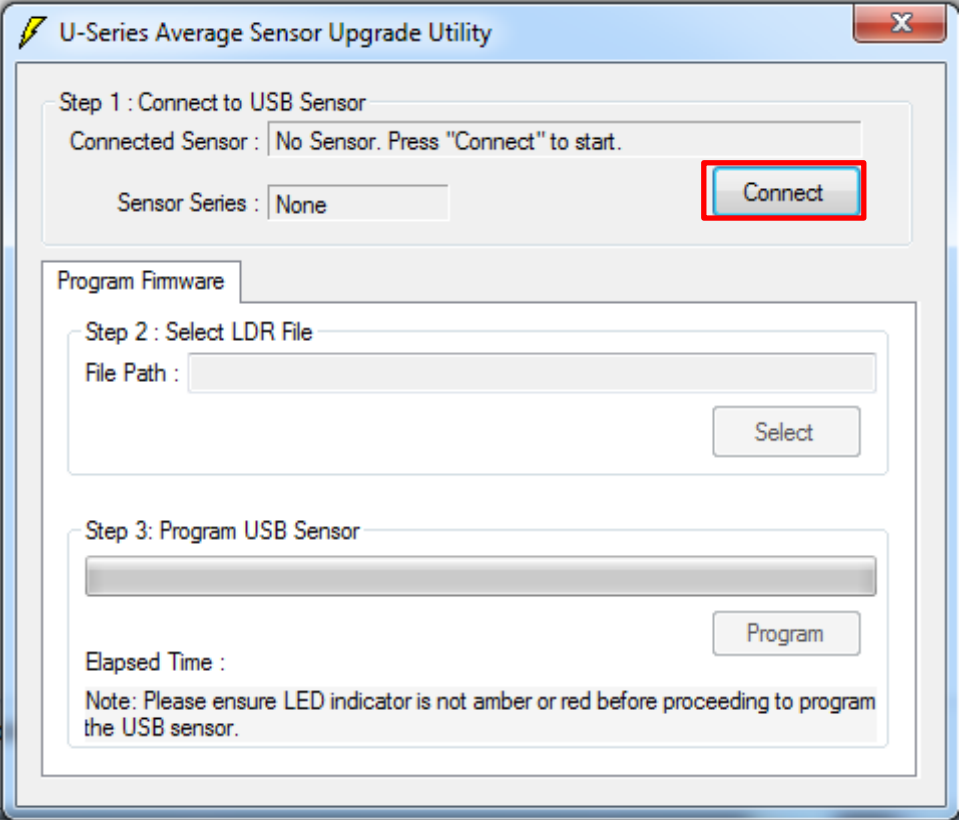


Step A1 Launch the Upgrade Utility

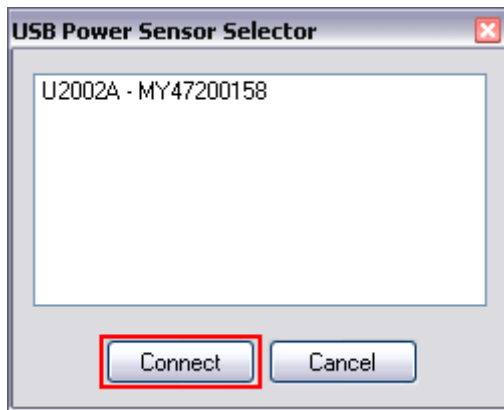
Double-click on the **U-Series Average Sensor Upgrade Utility.exe** to launch the

Step A2 Connect to USB Sensor

1. Click **Connect** on the Upgrade Utility panel as indicated below to begin the process.



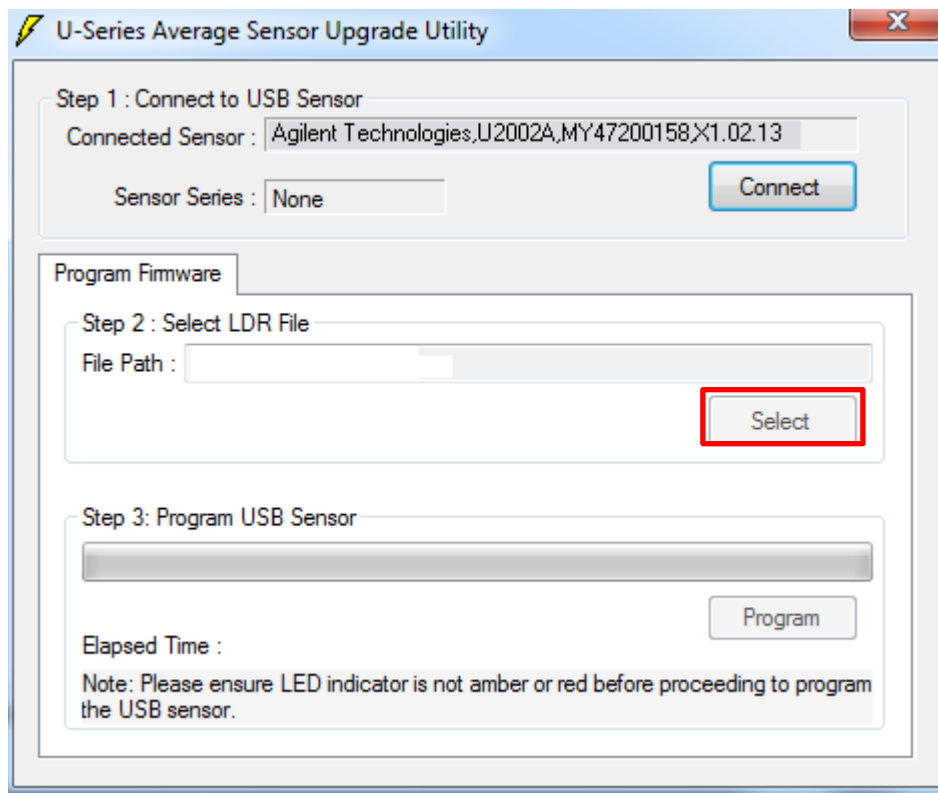
2. The USB Power Sensor Selector dialog box will appear as shown below.
3. Select the USB power sensor that you would like to update, then click **Connect** as indicated below.



4. When the USB power sensor is connected, details of the connected sensor will be displayed.

Step A3 : Select LDR File

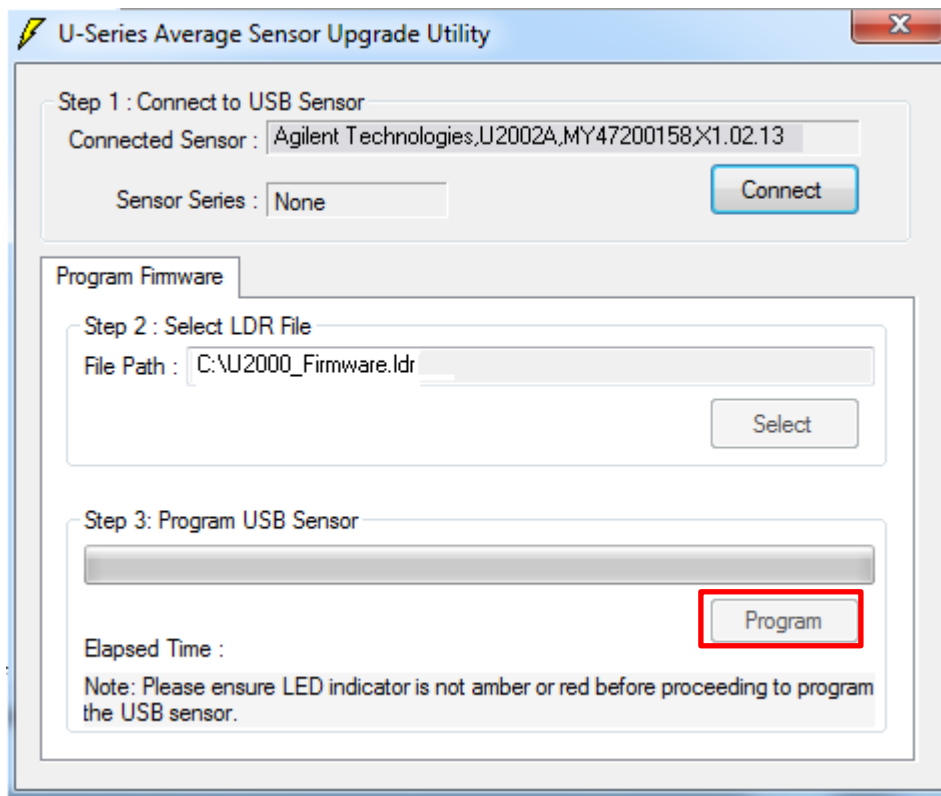
1. Once the USB power sensor has been connected. Click **Select** as indicated below to select the firmware file (LDR).



2. The Open dialog box will appear. Search for your saved firmware file (LDR) and click **Open**. When the file is selected, the file path is visible.

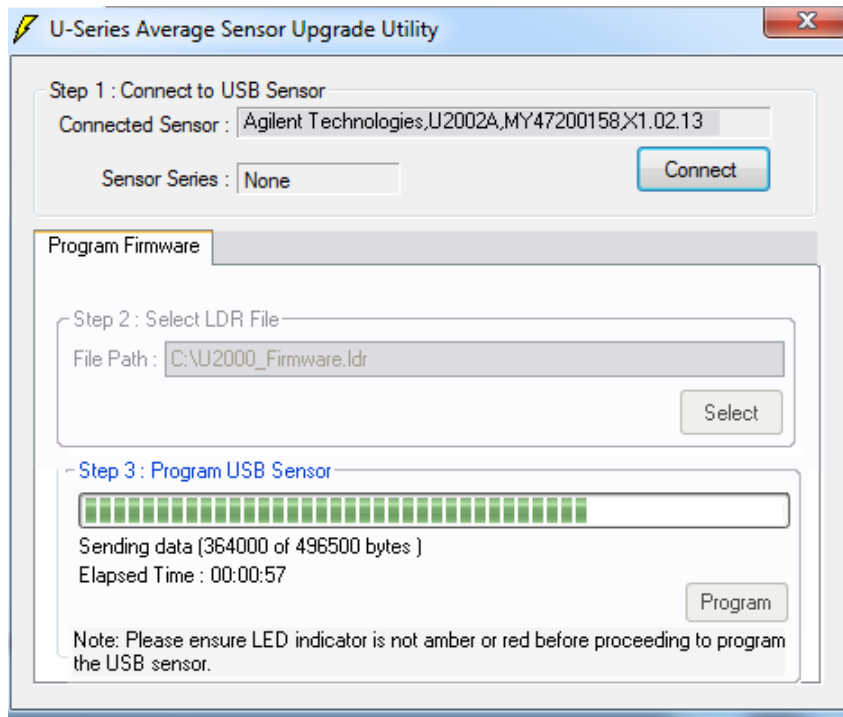
Step A4 : Program USB Sensor

1. Click **Program** as indicated below to begin the upgrading operation.

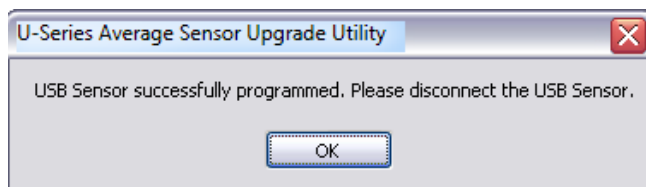


2. A warning message box as shown below will appear. Click **OK**.

- When the upgrading begins, the progress bar will show the upgrade progress as shown below. The file size information and progress time are shown below the progress bar.



- Once the firmware of the USB power sensor has been successfully upgraded, a message box will appear as shown below to inform you that your USB Sensor has been upgraded.



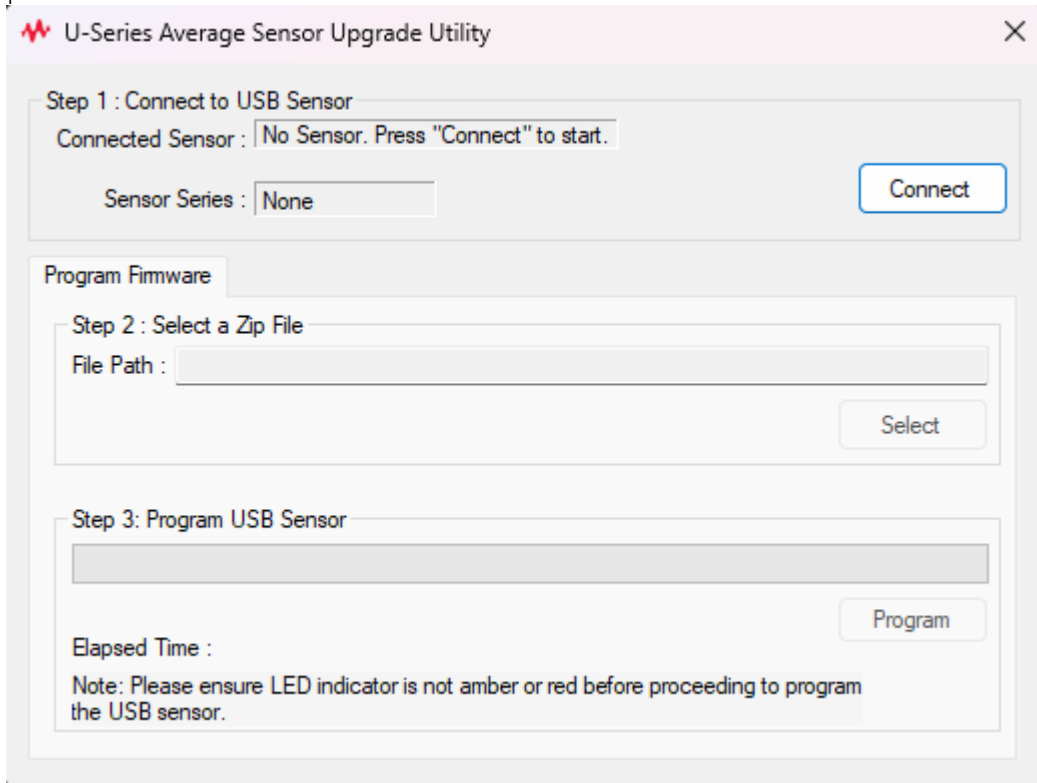
- Unplug your USB power sensor and reconnect the power sensor again.
- Your USB power sensor is now upgraded with the latest firmware and ready to be used.

Step B1 Launch the Upgrade Utility

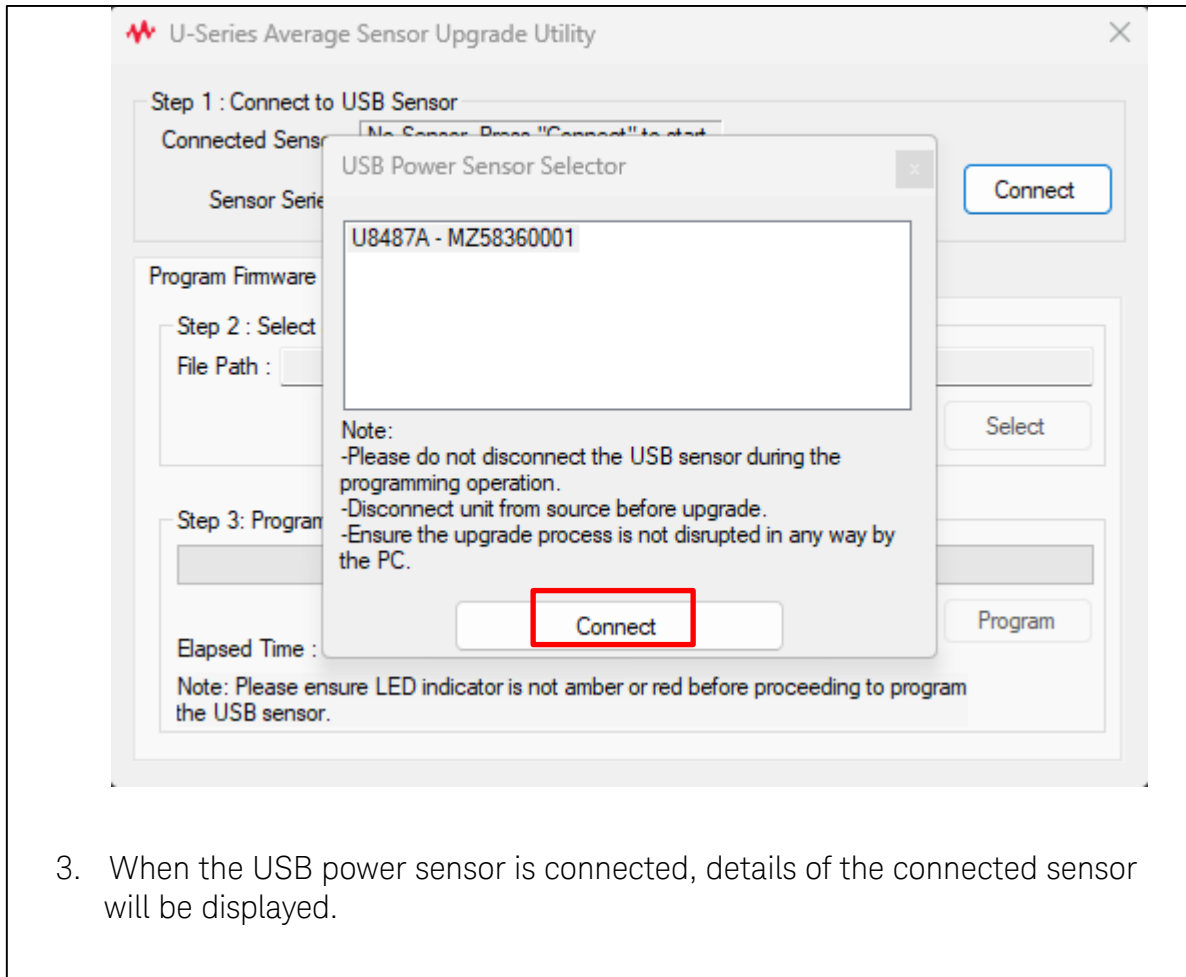
Double-click on the **U-Series Average Sensor Upgrade Utility.exe** to launch the

Step B2 Connect to USB Sensor

1. Click **Connect** on the Upgrade Utility panel as indicated below to begin the process.



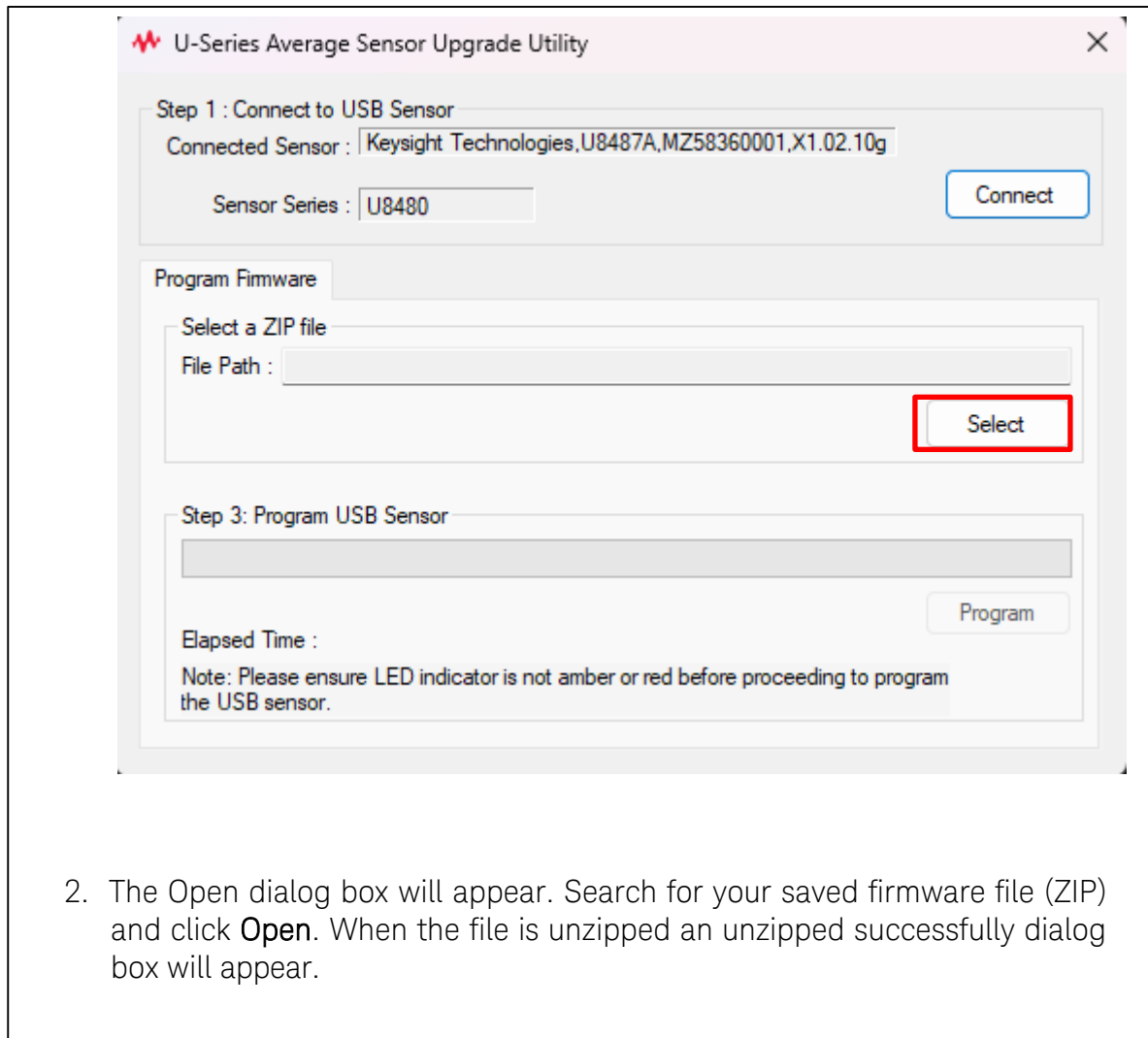
2. The USB Power Sensor Selector dialog box will appear as shown below.



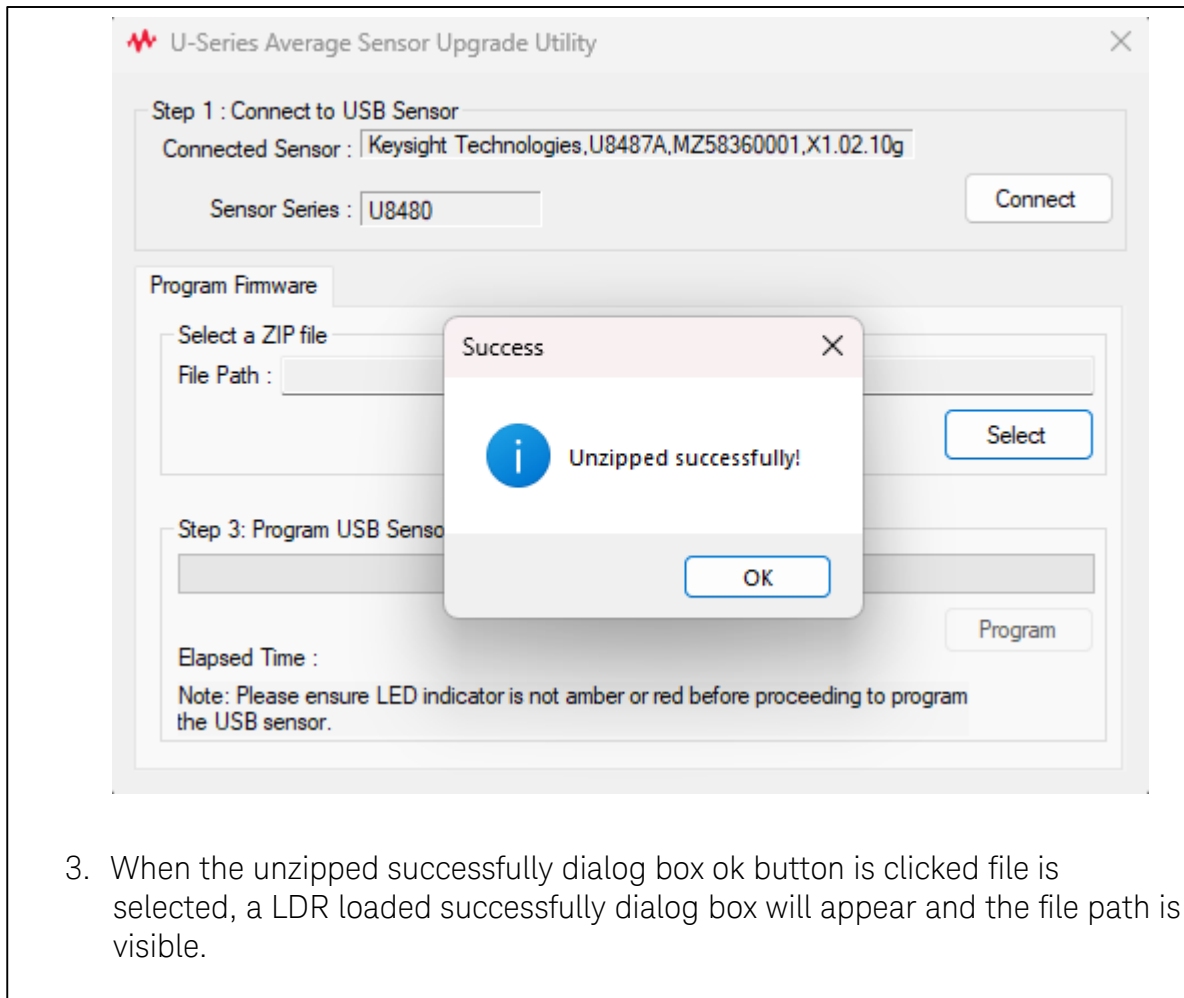
3. When the USB power sensor is connected, details of the connected sensor will be displayed.

Step B3 : Select LDR File

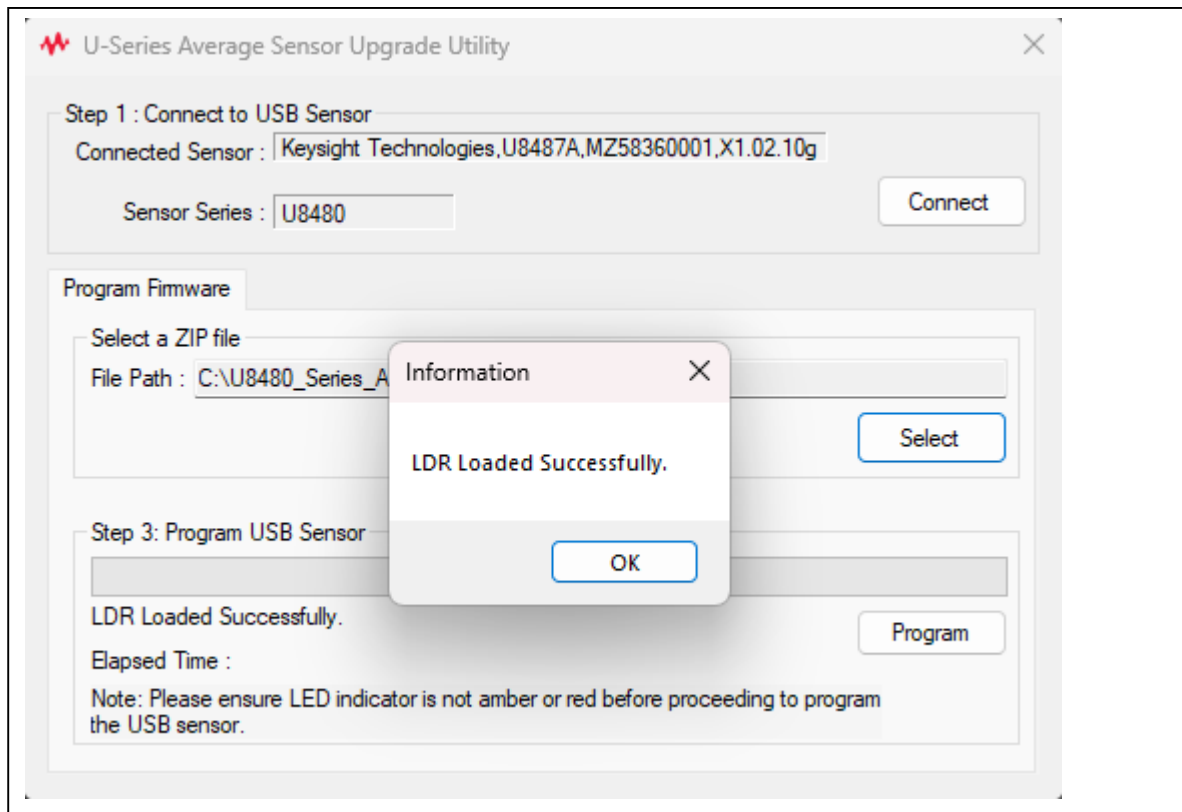
1. Once the USB power sensor has been connected. Click **Select** as indicated below to select the firmware file (ZIP).



2. The Open dialog box will appear. Search for your saved firmware file (ZIP) and click **Open**. When the file is unzipped an unzipped successfully dialog box will appear.

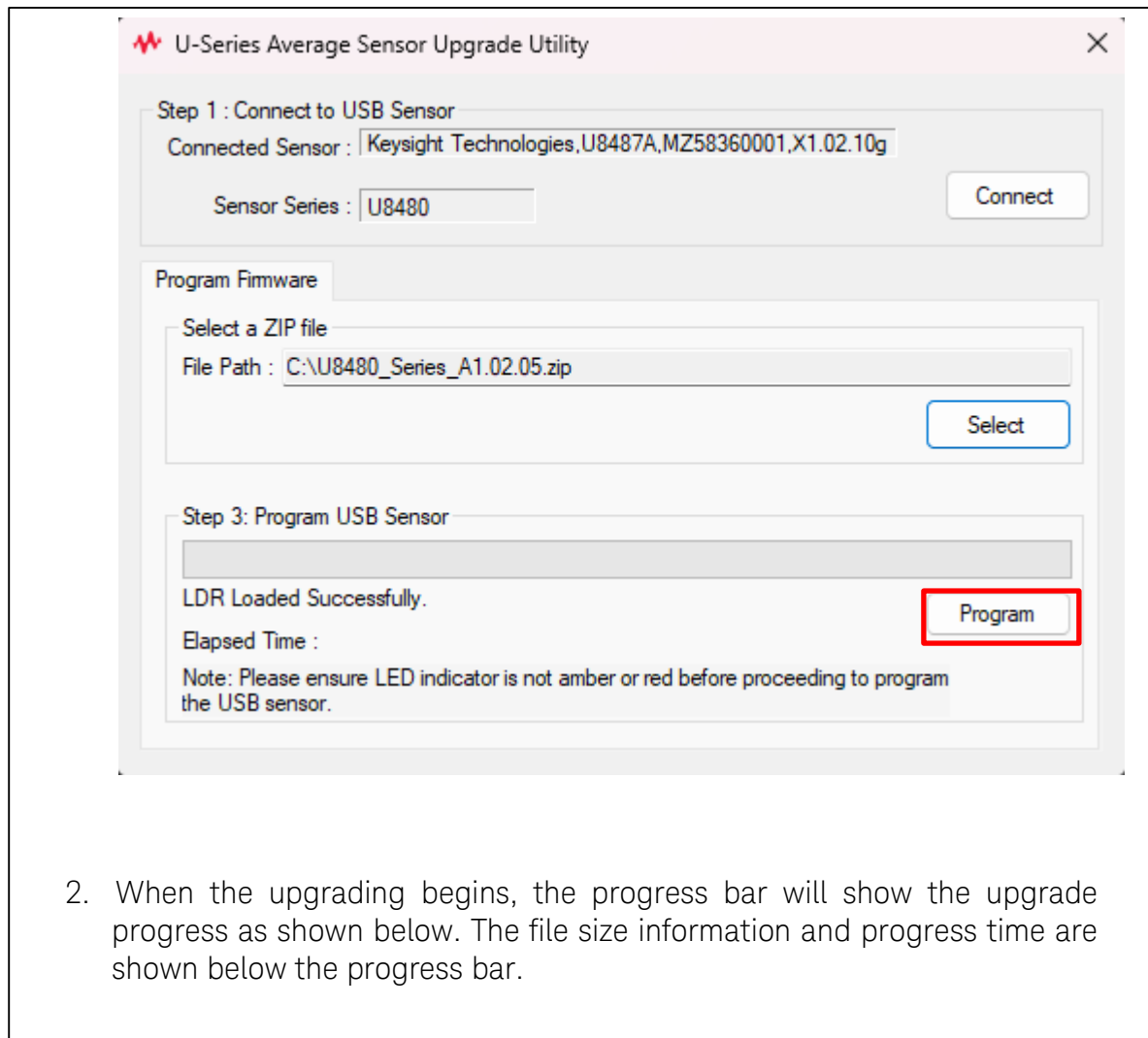


3. When the unzipped successfully dialog box ok button is clicked file is selected, a LDR loaded successfully dialog box will appear and the file path is visible.

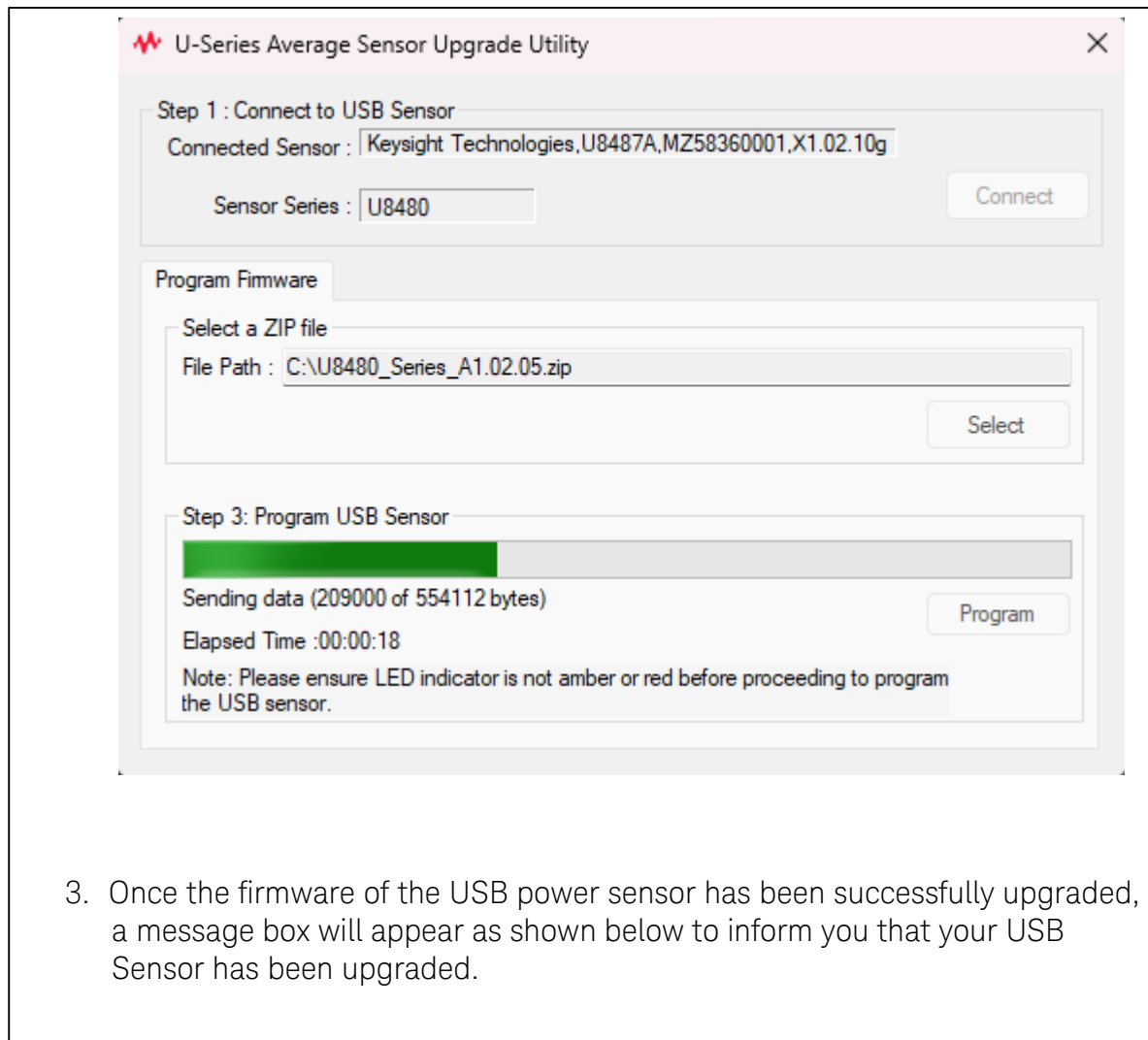


Step B4 : Program USB Sensor

1. Click **Program** as indicated below to begin the upgrading operation.



2. When the upgrading begins, the progress bar will show the upgrade progress as shown below. The file size information and progress time are shown below the progress bar.



3. Once the firmware of the USB power sensor has been successfully upgraded, a message box will appear as shown below to inform you that your USB Sensor has been upgraded.

