Update Instructions

Requirements:

- AT-UHD-EX-70C-TX
- AT-OPUS-RX
- Computer with firmware file
- USB-A to USB mini-B cable

1. Download the update tool from http://www.atlona.com/at-opus-70c-kit.

2. Extract the contents of the file to a location on your computer.

> ⚠️ **IMPORTANT:** Do not use Windows Explorer to extract the file, containing the firmware. Winzip, 7-Zip, or other file decompression programs must be used.

3. Connect a category cable from the **HDBaseT IN** port on the AT-OPUS-RX and the **HDBaseT OUT** port on the AT-UHD-EX-70C-TX.

4. Connect the 48 V DC power supply to the AT-UHD-EX-70C-TX.

5. Connect a USB-A to USB mini-B cable from the **DEBUG** port on the AT-OPUS-RX to an available USB-A port on the PC.

6. Go to the folder containing the contents of the compressed file (Step 2) and double-click the `ProgRun.bat` file to execute it.

   If the following error message is received, double check that the PC is connected to the **DEBUG** port on the AT-OPUS-RX and that the AT-OPUS-RX is powered.

```
COM6: starting discovery...
COM6: nothing detected
No local VS2K device detected. Please make sure that only one such device is connected
Press any key to continue . . . _
```

7. Press the ENTER key when prompted, to begin the firmware update.

```
C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX>ProgRun.bat
ValUECmd 2.37.6.24315 version
Firmware file not found: 'C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX\None'
 Checking old USBH firmware will be skipped
 Checking old UPT will be skipped
Firmware file not found: 'C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX\None'
 Programming USBH firmware will be skipped
 Programming UPT will be skipped
COM5: starting discovery...
COM5: nothing detected
COM6: starting discovery...
COM6: nothing detected
COM21: starting discovery...
COM21: nothing detected
COM22: starting discovery...
COM22: setup with 3 device(s) detected: Dan Lattice Ayalon
Local Chip 000000000000 0000 FFFF: Dan RX running FW=7.2.4 - Chip about to program

Atlona Extender FW upgrader for local VS2K
1. Please make sure that the Extender Host side '12V IN' is connected to Power Adapter
2. Please connect your PC COMM port to the UART Debug port at the Extender Host Side
3. Do not disconnect power or interrupt programming until it finished
4. Press Enter to start programming                <--- Hit ENTER key

Programming of bank 3 USBH is skipped due to missing new image file
Verifyng image against bank 4 USBD...
The actual image in bank 4 USBD does not match to specified old image 'C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX\Colligo_RX_USBD_7.5.21.ihex'
Do you want to continue with programming (Y/N)    <--- Hit ENTER key

Working with C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX\Colligo_RX_USBD_7.5.21.ihex (bank 4)...
Erase Started...
Burn Started...
Verify Started...
Programming of C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX\Colligo_RX_USBD_7.5.21.ihex (bank 4) performed successfully
Programming of bank 1 UPT is skipped due to missing new image file

FW upgrade Done Successfully
Press any key to continue . . .                    <--- Disconnect/Reconnect
                                                        HDBaseT ethernet cable
C:\Users\RonaldCheng\Downloads\AT110123 - OPUS-RX>
```

8. Press the ENTER or "Y" key when prompted `Do you want to continue with programming (Y/N)`.

9. When the message `FW upgrade Done Successfully` has been displayed, power cycle the AT-OPUS-RX by disconnecting/reconnected the HDBaseT cable.