Firmware Update Procedures

DAC-70

This document provides procedures for updating the DAC-70 Up Down Cross Converter.

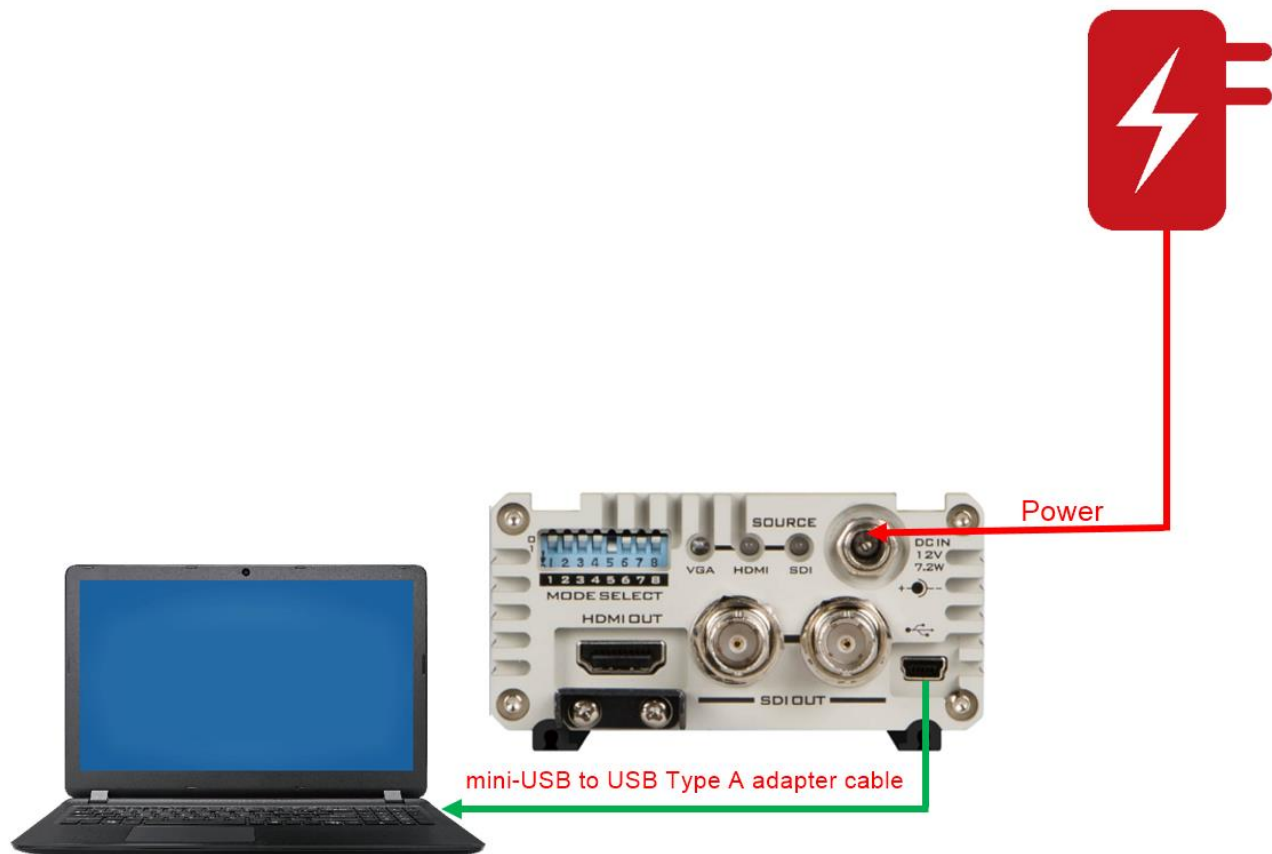## Updating the DAC-70 UP Down Cross Converter Firmware

What items you should prepare before updating the firmware

● The latest DAC-70 firmware update zip file x1.
The latest firmware zip file can be downloaded from the DAC-70 product page of the Datavideo official website https://www.datavideo.com/product/DAC-70 . After the downloaded firmware zip file is unzipped, you can see three firmware files. Moreover, you can see the "**DAC-70 Center.exe**" in DAC Center 1.0.9.4 file folder and "**DataVideo Upload Programmer V2.0.exe**" in DataVideo Upload Programmer V2.0 file folder.
  ➢ **DAC-70 firmware files**: DAC70-FW-3103.M32, DAC70-FW-2103.N26 & DAC70-FW-0141.BIN
● Upload Programmer V2.0 software x 1
● Windows PC with USB 2.0 port x 1
● USB type A to micro USB adapter cable (USB 2.0) x 1
● DAC-70 x 1
● 12V power adapter x 1

This document describes how to perform firmware update on a **Windows** computer.

System Connection Diagram

DAC-70

Power

DC IN
12V
7.2W

SOURCE
VGA   HDMI   SDI

MODE SELECT
1 2 3 4 5 6 7 8

HDMI OUT

SDI OUT

mini-USB to USB Type A adapter cable
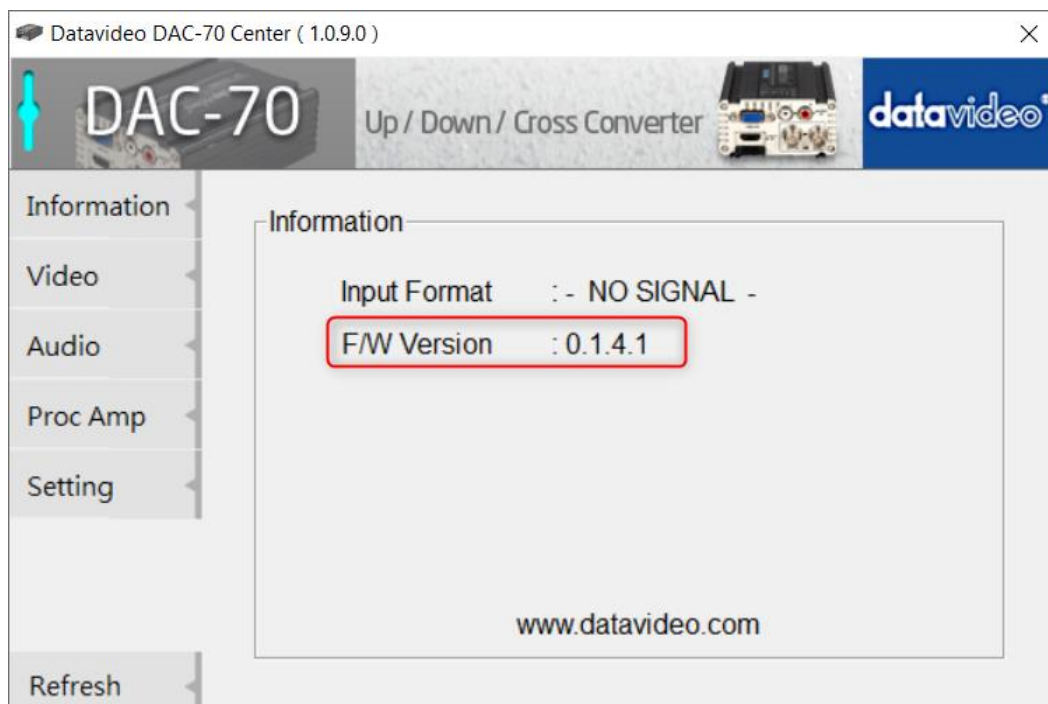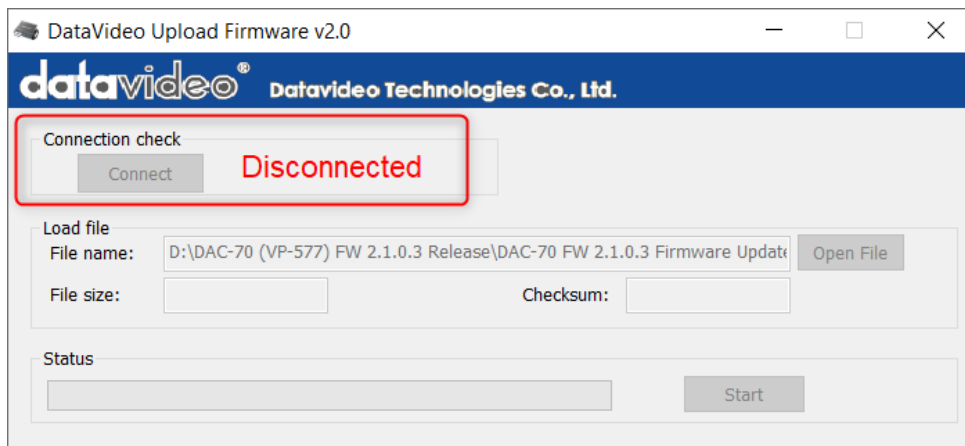
Checking the Firmware Version

1. Please connect a mini-USB to USB Type A adapter cable from the mini-USB interface of your DAC-70 main unit to the USB Type A interface of your laptop.

2. Please connect a DC12V power adapter to your DAC-70.

3. Please open the "DAC-70 Center.exe" DAC-70 Center.exe in DAC Center V1.0.9.4 file folder.

4. And then you can see the current firmware version of your DAC-70 which is shown in the following diagram.
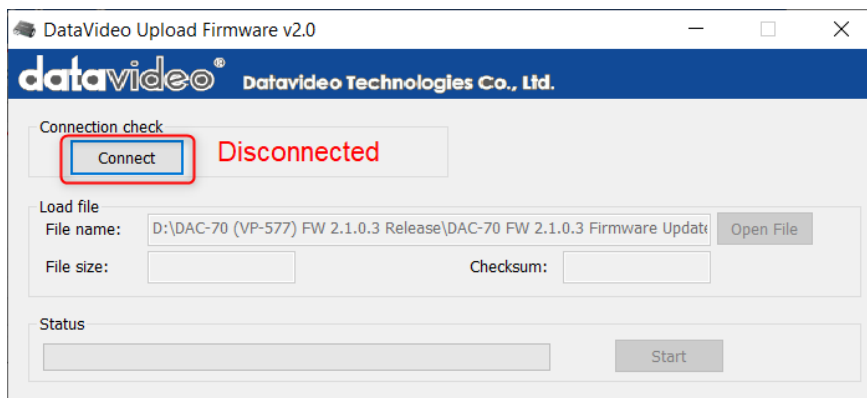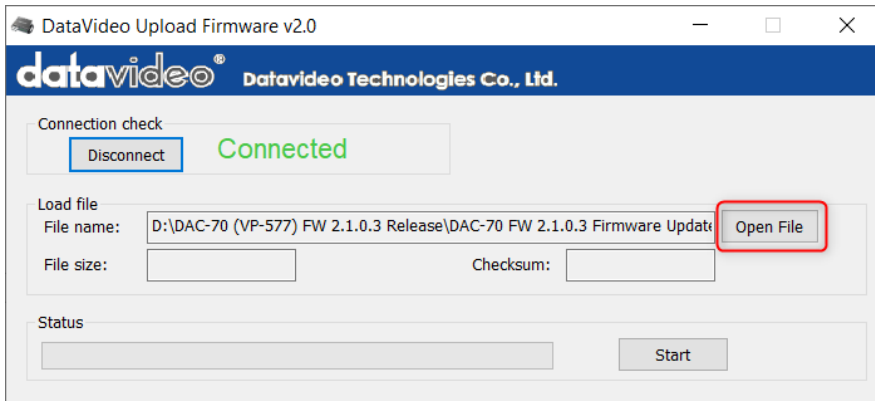
Updating the Firmware

1. Please make sure that the 12V DC power cable is not connected to your DAC-70.

2. Please make sure the downloaded firmware files are unzipped and saved in the hard disk of your laptop.

3. Please use a mini-USB to USB 2.0 adapter cable to connect from your DAC-70 to your laptop.

4. Please open the "Datavideo Upload Programmer V2.0.exe" DataVideo Upload Programmer V2.0.exe , which will

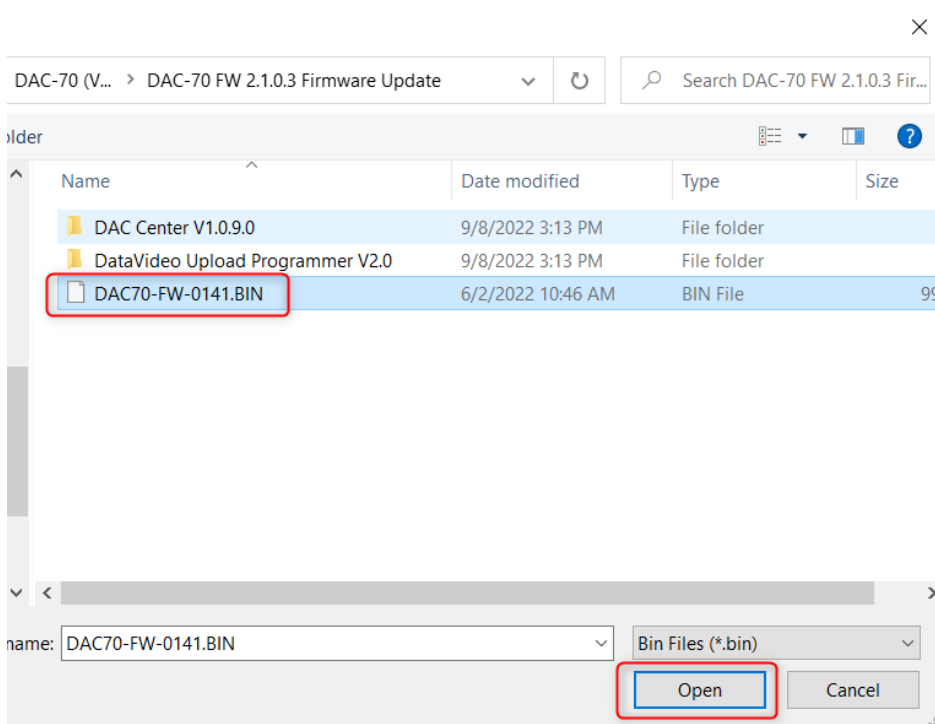show **Disconnected** and the connect button is greyed out.

5. Please connect the DC 12V power adapter to your DAC-70 main unit and the connect button will now be enabled. Click the connect button and the "Datavideo Upload Programmer V2.0.exe" will show **Connected.**
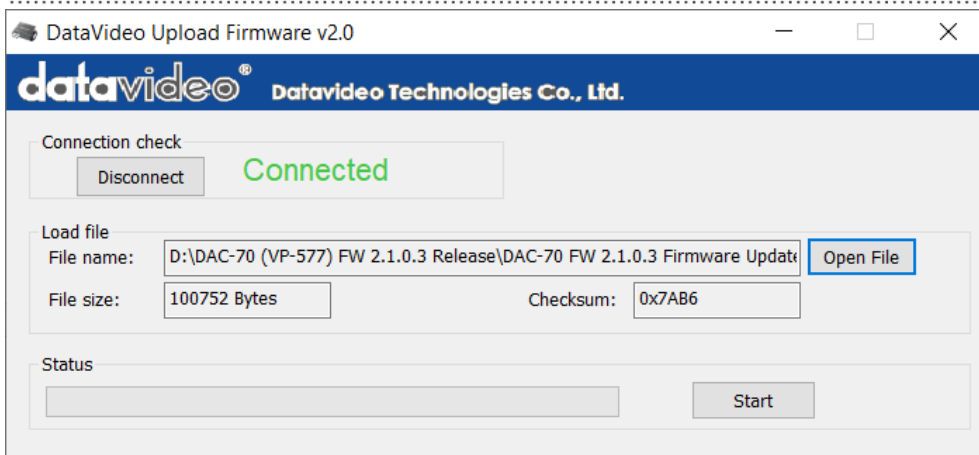
6. Please click the Open File button and select the downloaded and unzipped new firmware file.
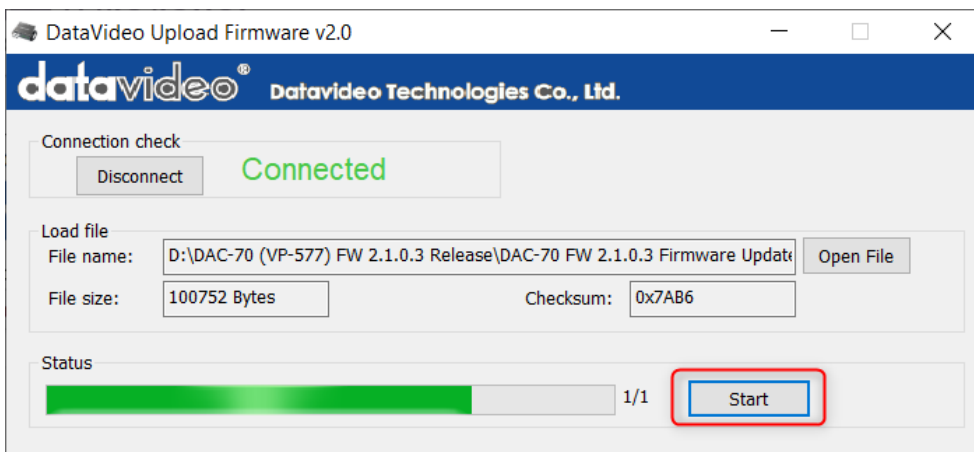

7. If your DAC-70 is the **old version hardware**, it will show "**DAC70-FW-0141.BIN**" for you to select. However, if your DAC-70 is the **newer version hardware**, it will show "**DAC70-FW-2103.N26**" or "**DAC70-FW-3103.M32**" . The "DAC70-FW-0141.BIN", "DAC70-FW-2103.N26" and "DAC70-FW-3103.M32"are included in the firmware update files, however, **the system will show the correct firmware file for you to select automatically according to your hardware version**. So, there is no risk to select wrong firmware update file during the update procedure. In this firmware update procedure, we will take "DAC70-FW-0141.BIN" as an example.
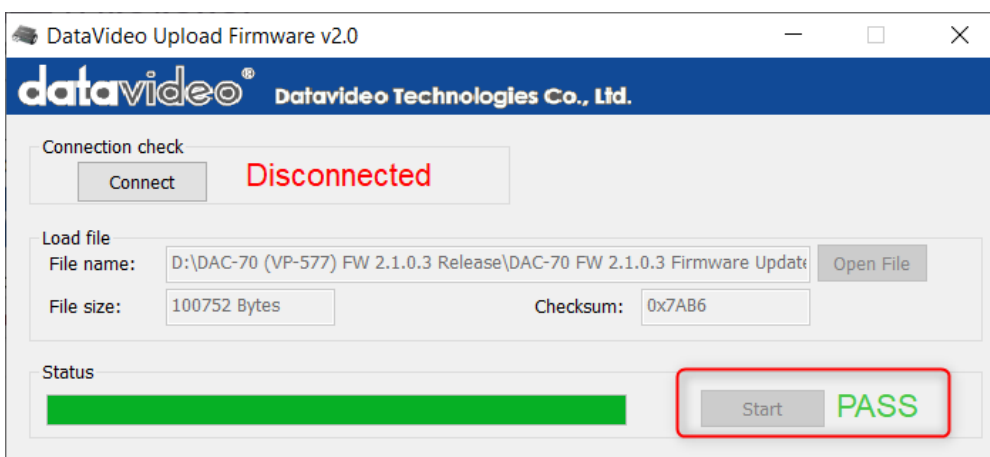
8. **Please** click the Start button and wait for the progress bar to finish.

9. After the update is finished, the utility will show **PASS** to confirm that the unit has been updated successfully.

10. The utility will automatically disconnect the DAC-70 unit.

11. Unplug the USB cable from the DAC-70 and power cycle the unit.

12. The updated DAC-70 is now ready for use.