Firmware Update Procedures

HDR-80 & HDR-90

This document provides procedures for updating the HDR-80 ProRes 4K Video Recorder-Desktop & HDR-90 ProRes 4K Video Recorder-1U Rackmountable.

Updating the HDR-80 & HDR-90 ProRes 4K Video Recorder Firmware

What items you should prepare before updating the firmware

- The latest HDR-80 or HDR-90 firmware update zip file x1.
  The latest firmware zip file can be downloaded from the HDR-80 or HDR-90 product page of the Datavideo official website https://www.datavideo.com/product/HDR-80 or https://www.datavideo.com/product/HDR-90. After the downloaded firmware zip file is unzipped, you can see one firmware file.
  - ➢ **HDR-80 & HDR-90 FW V1.28.2.1 firmware file**: hdr80-90.dvfw
- HDR-80 or HDR-90 x 1
- Samsung 860 Pro SSD x 1
- 12V power adapter x 1
- Laptop or PC x 1
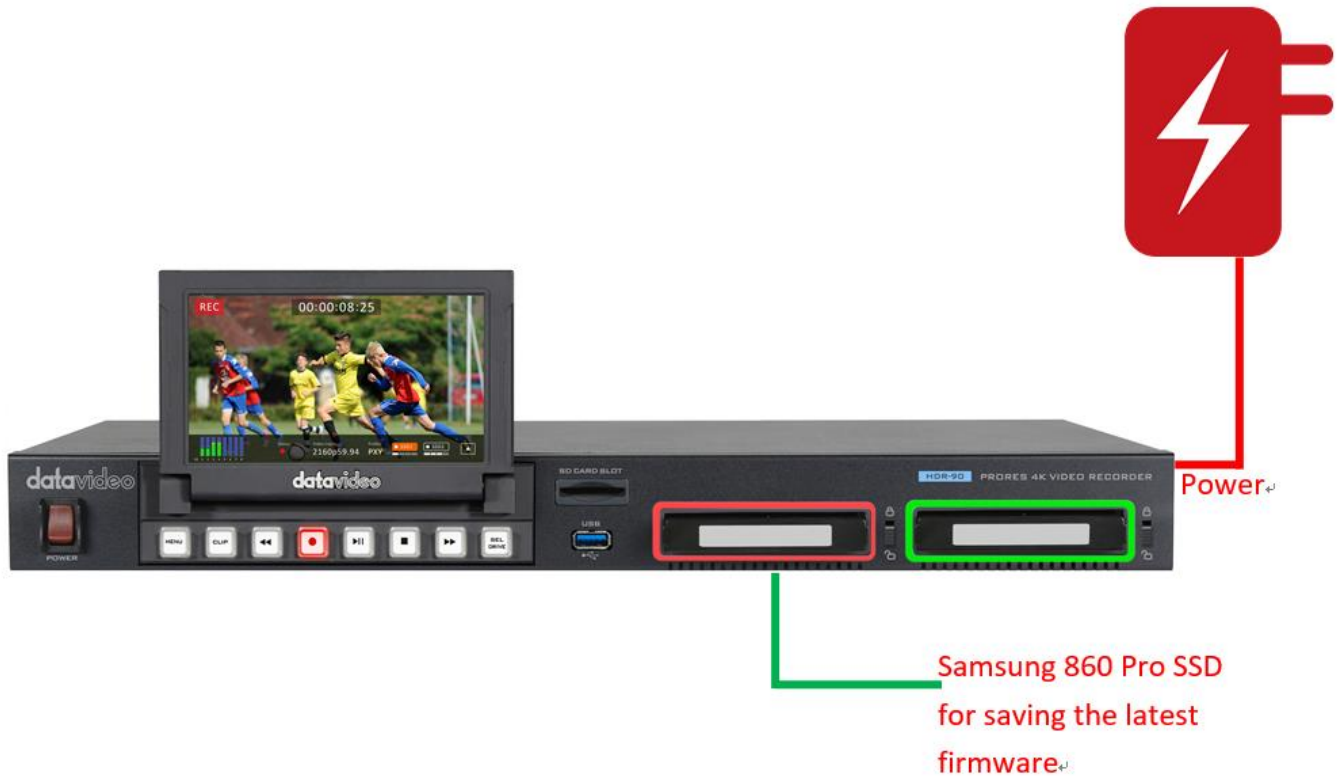- USB 3.0 to SATA 2.5" adapter cable x 1

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

System Connection Diagram

HDR-80

Power↵

Samsung 860 Pro SSD
for saving the latest
firmware↵

HDR-90

Power

Samsung 860 Pro SSD for saving the latest firmware

Checking the Firmware Version

1. Please connect a DC 12V power adapter to the HDR-80/HDR-90.

2. Please turn on the power of the HDR-80/HDR-90.

3. After the HDR-80 or the HDR-90 is turned on, please press the "MENU" button which is located on the front panel of the HDR-80 or the HDR-90 and then the MENU screen will be shown as the following diagram.
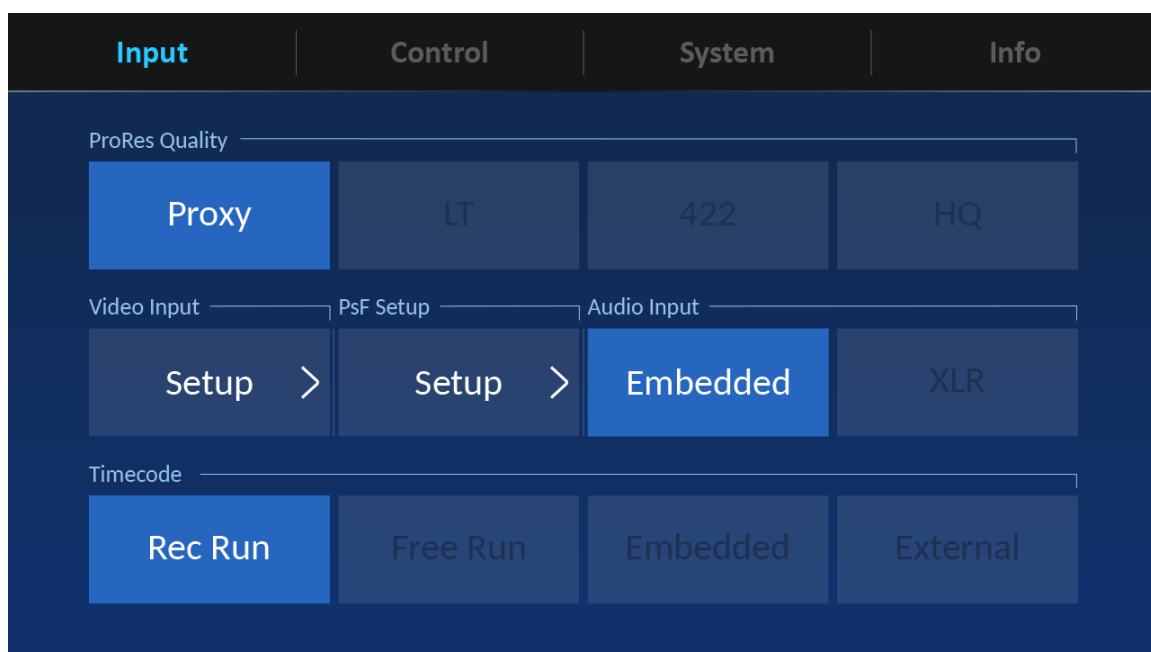
4. Please press the "info" option from the touch screen of the HDR-80 or the HDR-90, and then the current firmware version will be shown on the touch screen as the following diagram.
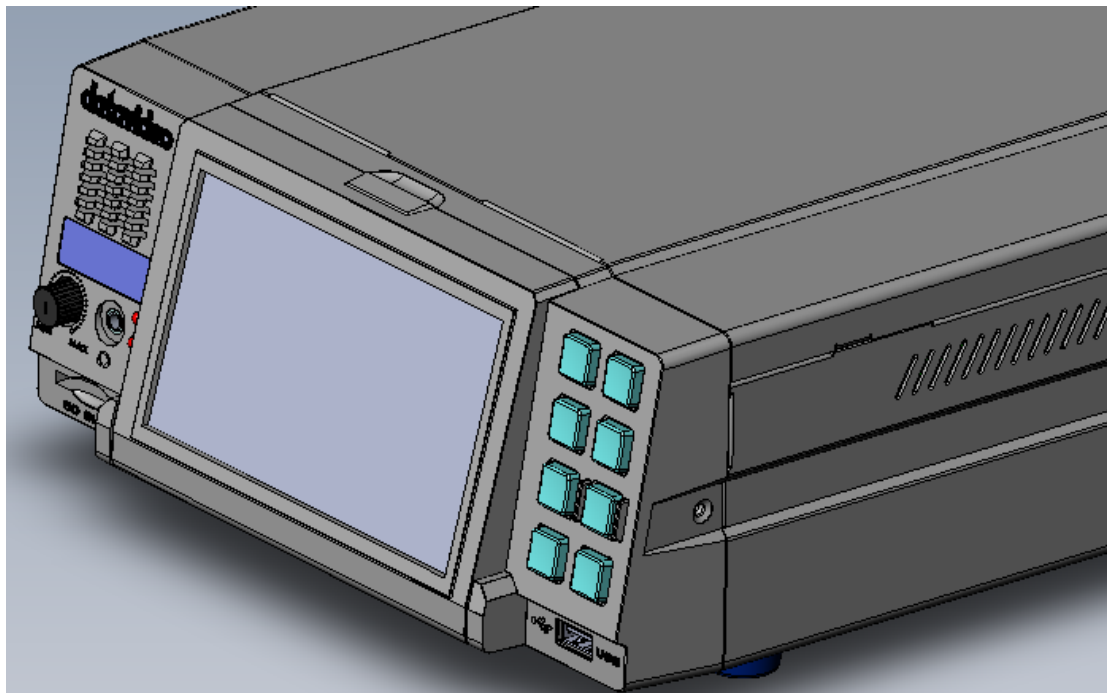
● **For HDR-80**
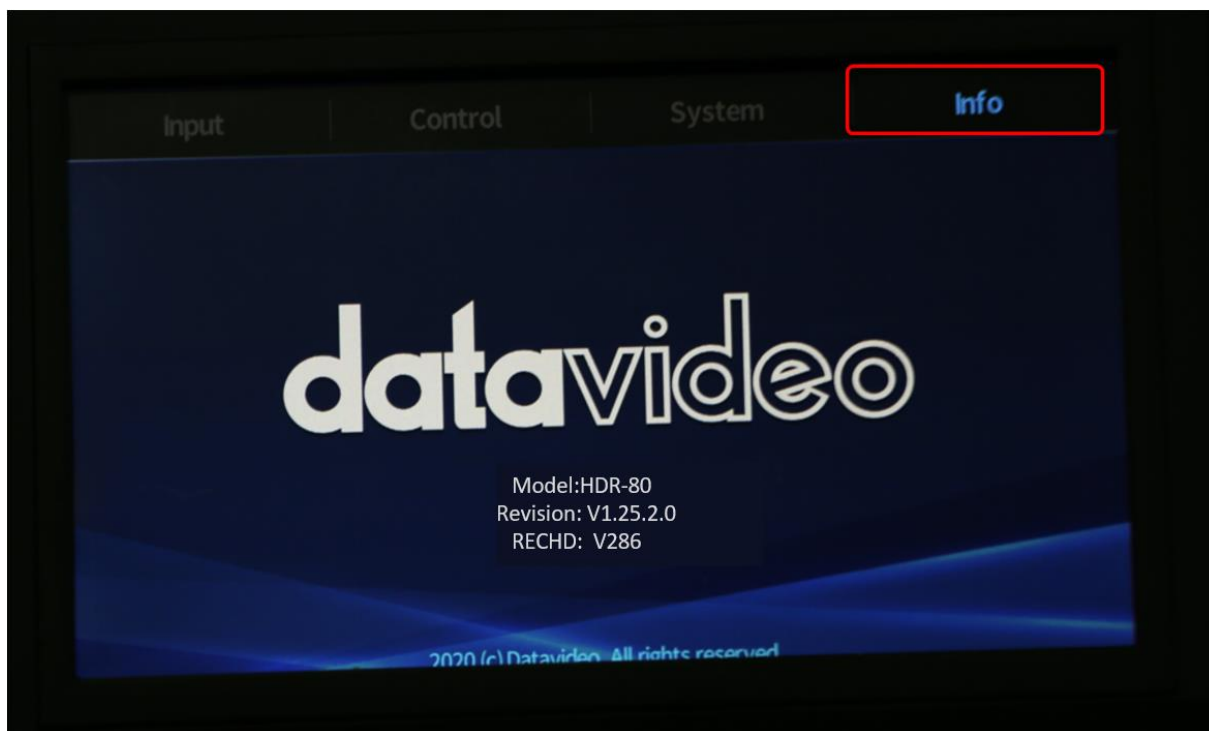
● **For HDR-90**

Updating the Firmware

HDR-80

1. Please make sure that the 12V DC power cable is connected to the HDR-80.

2. Please press the latch indicated by the arrow in the diagram below and then pull the screen forward.


3. After the 5" touch screen is pulled forward, you should see two SSD slots which are shown in the following diagram. The SSD is installed in the SSD enclosure.
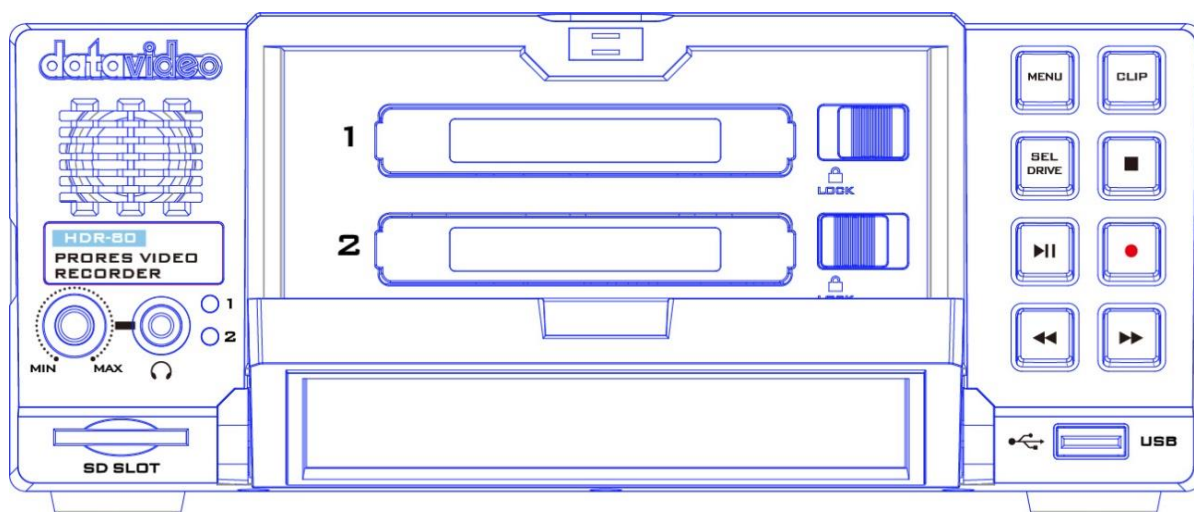
4. Please move the latch of the SSD slot 1 or the SSD slot 2 to pull the SSD out of the SSD slot.
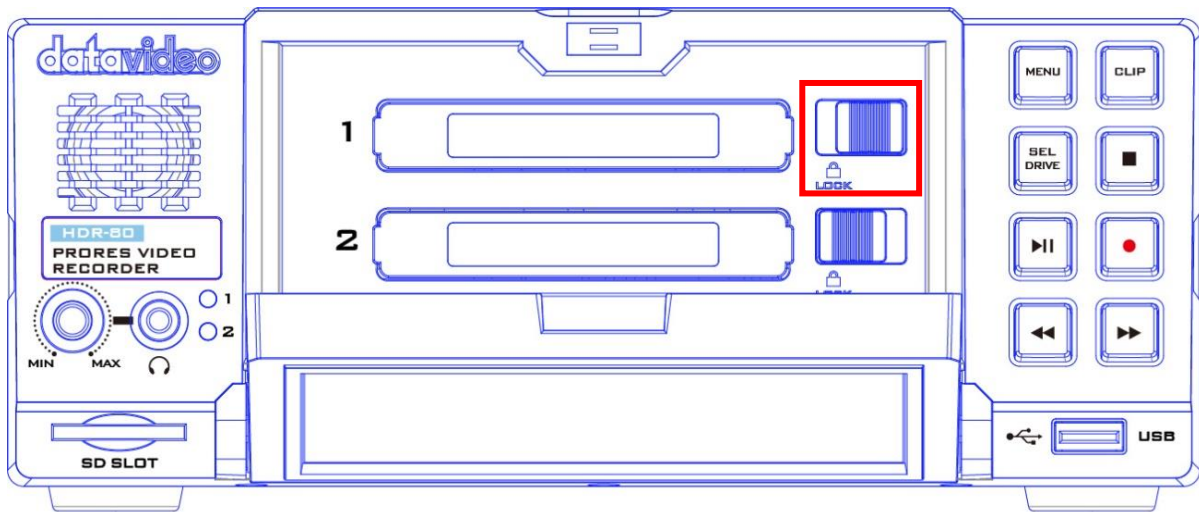

5. After the SSD is pulled out from the SSD slot, please use a "USB 3.0 to 2.5" SATA adapter cable" to connect the SSD to your laptop for saving the latest firmware file into the SSD.
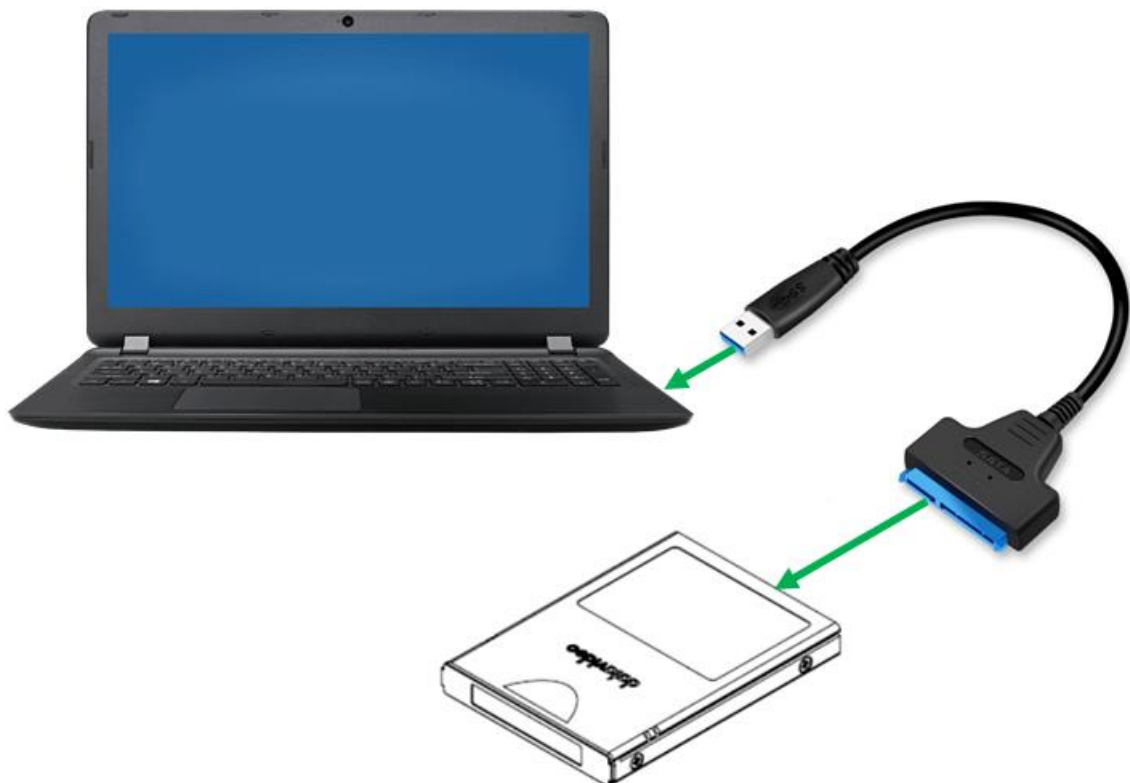
6. After the SSD and your laptop are connected by the USB 3.0 to 2.5" SATA adapter cable, please save the latest firmware file into the root directory of the SSD.

7. Please remove the adapter cable from the SSD and your laptop.
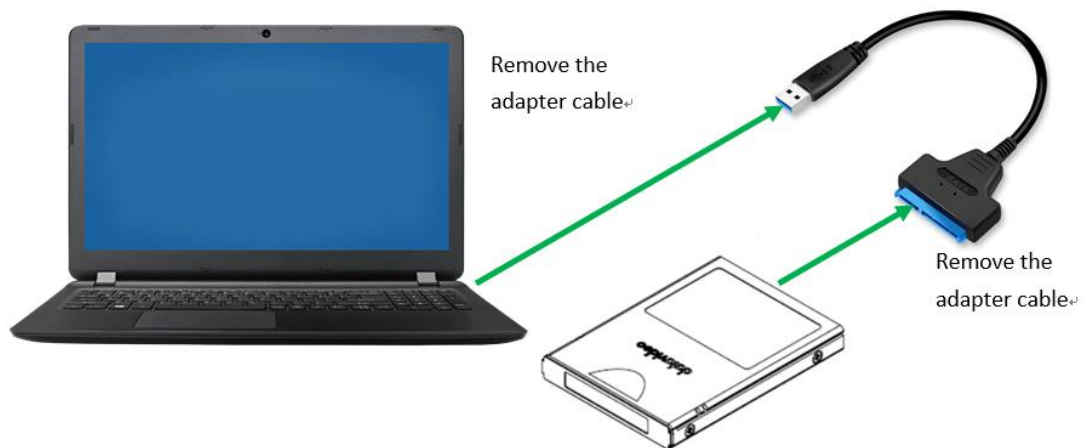

8. Please insert the SSD with the latest firmware into the SSD slot 1 or the SSD slot 2.

9. Please turn on the power of the HDR-80.

10. After the power is turned on, the firmware update procedure will be started automatically.

11. After the firmware update process reaches 100%, the following diagram will be shown to show you that the whole firmware update procedure is done successfully.
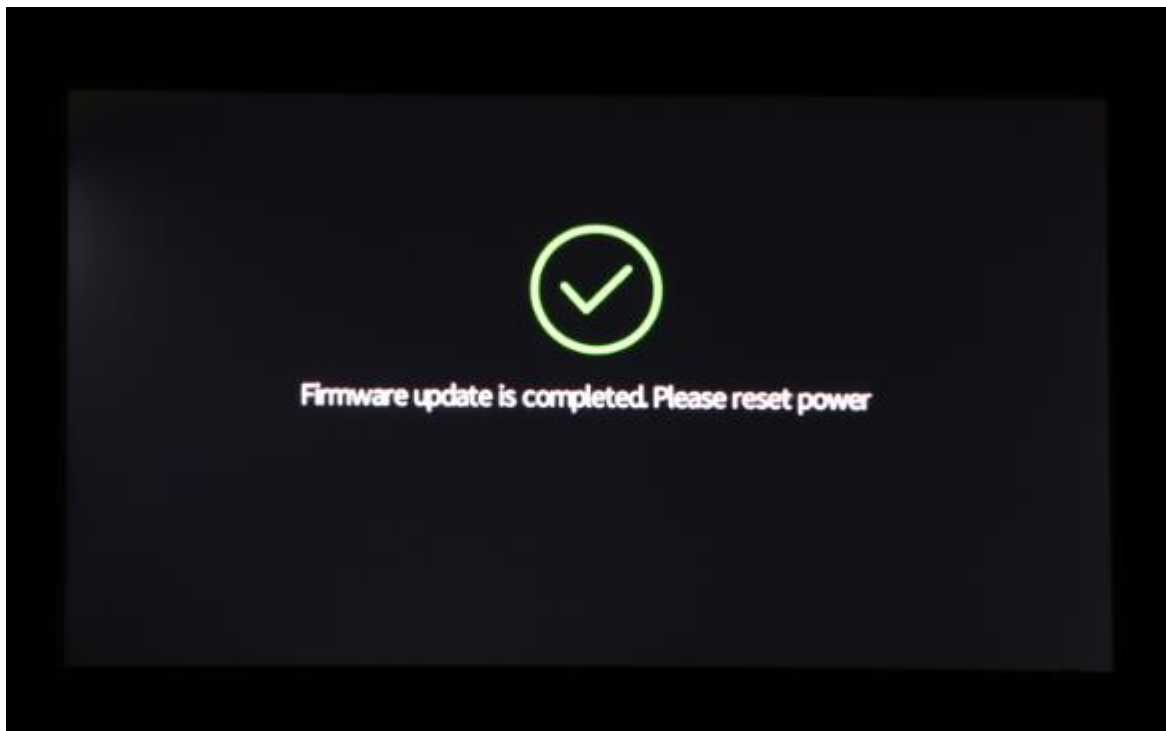
12. Please turn off the power and then turn on the power of the HDR-80.

13. Please press the "MENU" button on the front panel of the HDR-80, and then please press the "info" option. After that, you can see that the firmware is successfully updated.

HDR-90

1. Please make sure that the 12V DC power cable is connected to the HDR-90.

2. Please press the section "[PRESS]" on the top of the built-in touch screen, and then the built-in touch screen will be popped which is shown in the following diagram.

3. Please move the latch of the SSD1 or the SSD2 to the "unlocked" position to pull the SSD out of the SSD slot.


4. Please use a "USB 3.0 to 2.5" SATA adapter cable" to connect the SSD to your laptop for saving the latest firmware file into the SSD.
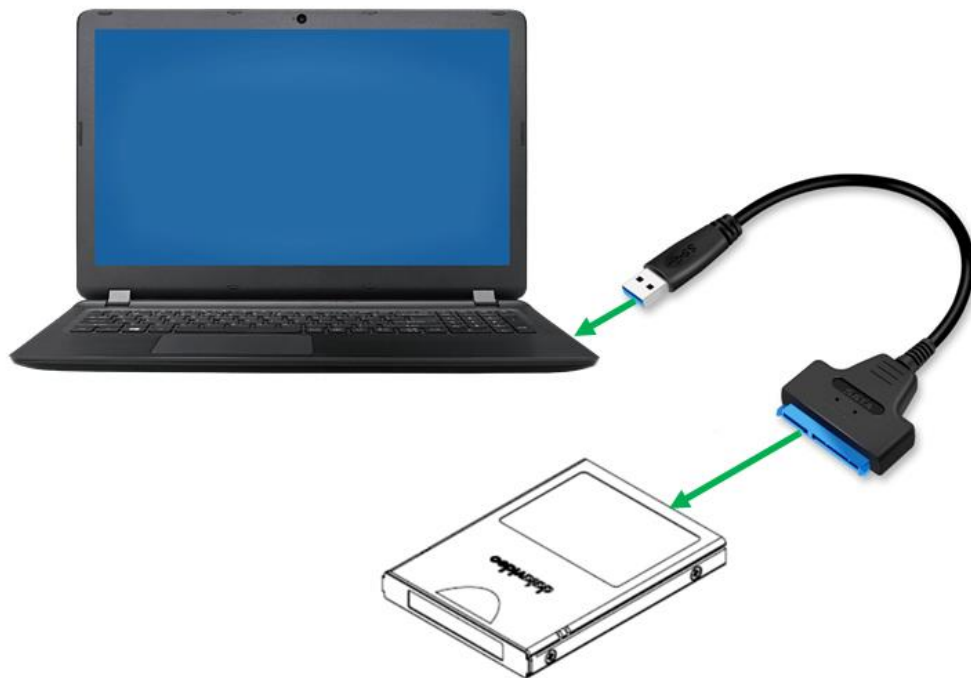
5. After the SSD and your laptop are connected by the USB 3.0 to 2.5" SATA adapter cable, please save the latest firmware file into the root directory of the SSD.

6. Please remove the adapter cable from the SSD and your laptop.

Remove the adapter cable

Remove the adapter cable
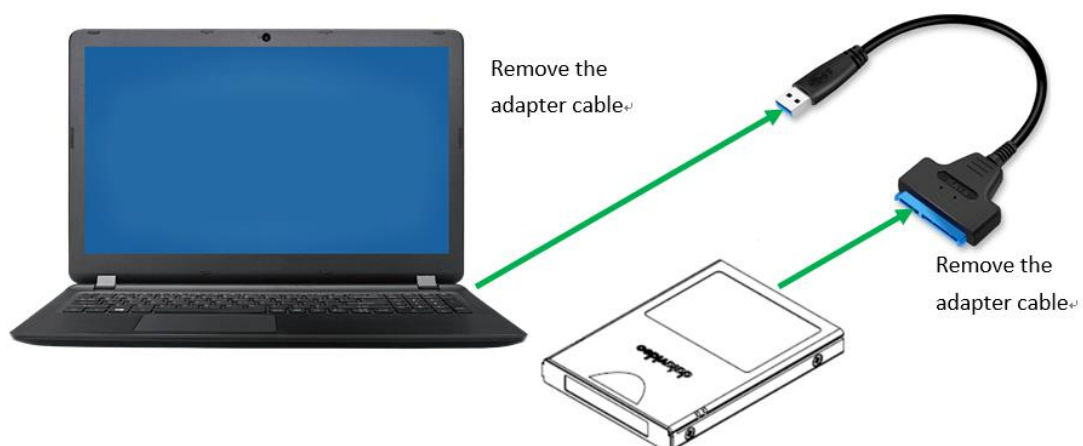
7. Please insert the SSD with the latest firmware into the SSD slot 1 or the SSD slot 2.

8. Please turn on the power of the HDR-90.

9. After the power is turned on, the firmware update procedure will be started automatically.

10. After the firmware update process reaches 100%, the following diagram will be shown to show you that the whole firmware update procedure is done successfully.
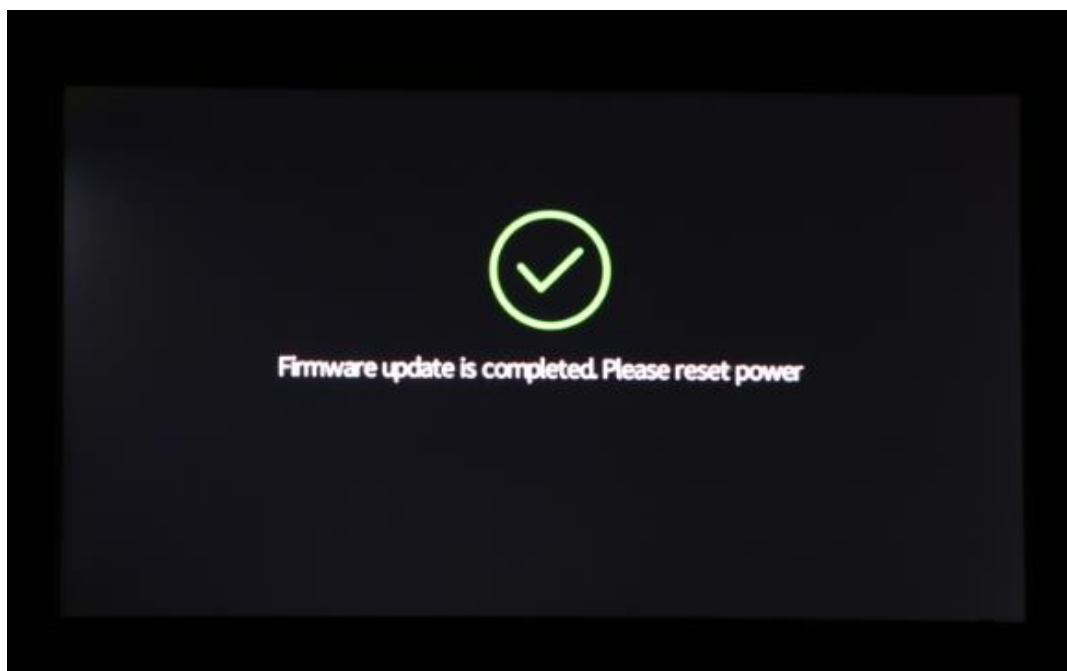
11. Please turn off the power and then turn on the power of the HDR-90.

12. Please press the "MENU" button on the front panel of the HDR-90, and then please press the "info" option. After that, you can see that the firmware is successfully updated.