

# Firmware Update Procedures

## NVS-31

This document provides procedures for updating the NVS-31 H.264 Video Streaming Server.

### Updating the NVS-31 Streaming Server Firmware

#### What items you should prepare before updating the firmware

- The latest NVS-31 firmware update zip file x1.

The latest firmware zip file can be downloaded from the HS-1300, HS-1600T MARK II and HS-3200 product pages of the Datavideo official website.

- ◆ HS-1300: <https://www.datavideo.com/product/HS-1300> .
- ◆ HS-1600T MARK II: <https://www.datavideo.com/product/HS-1600T+MARK+II>
- ◆ HS-3200: <https://www.datavideo.com/product/HS-3200> .

After the downloaded firmware zip file is unzipped, you can see one firmware file.

➤ **Firmware: FW20220607NVS\_V07**

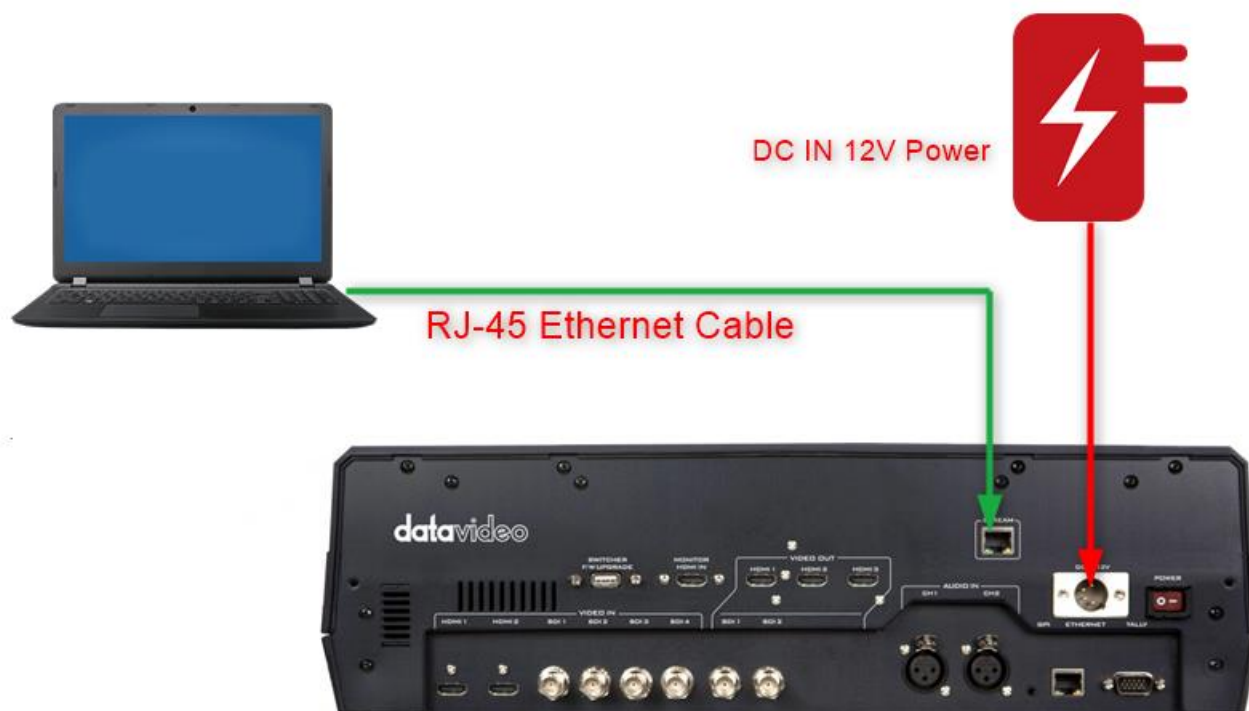
- HS-1300, HS-1600T MARK II or HS-3200 x 1
- 12V power adapter x 1 (For HS-1300 and HS-3200)
- 48V power adapter x1 (For HS-1600T MARK II)
- Laptop or PC x 1
- RJ-45 Ethernet cable x 1

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



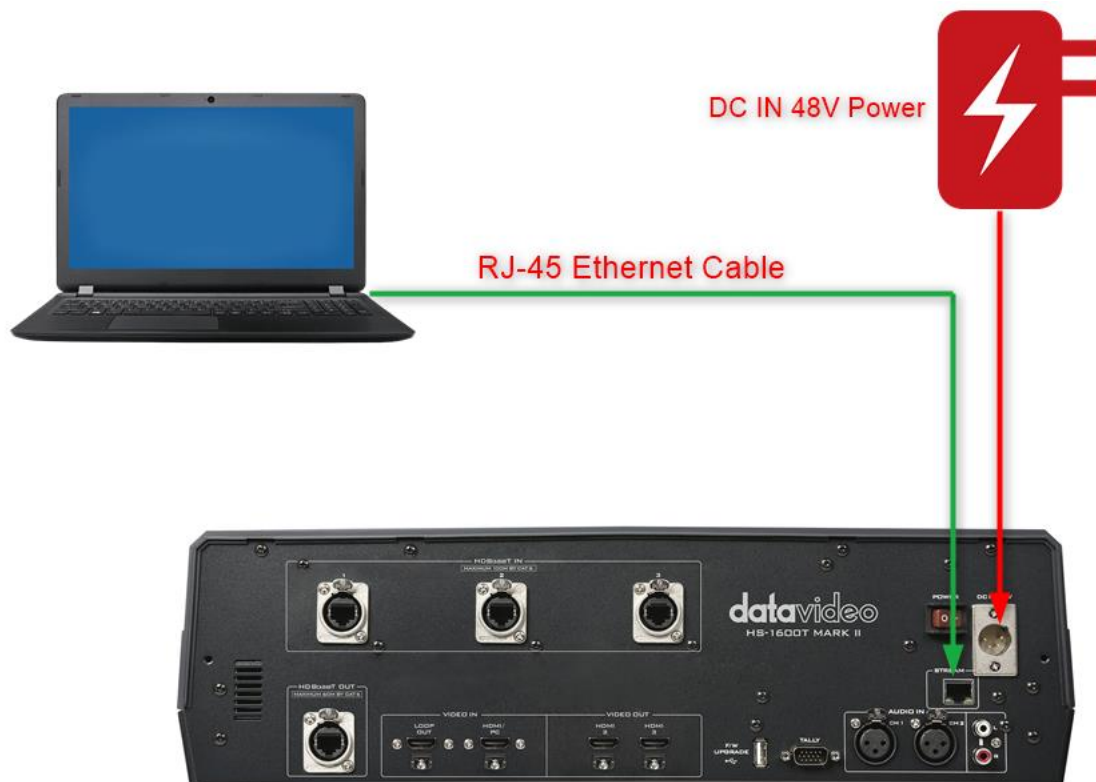
## System Connection Diagram

### HS-1300



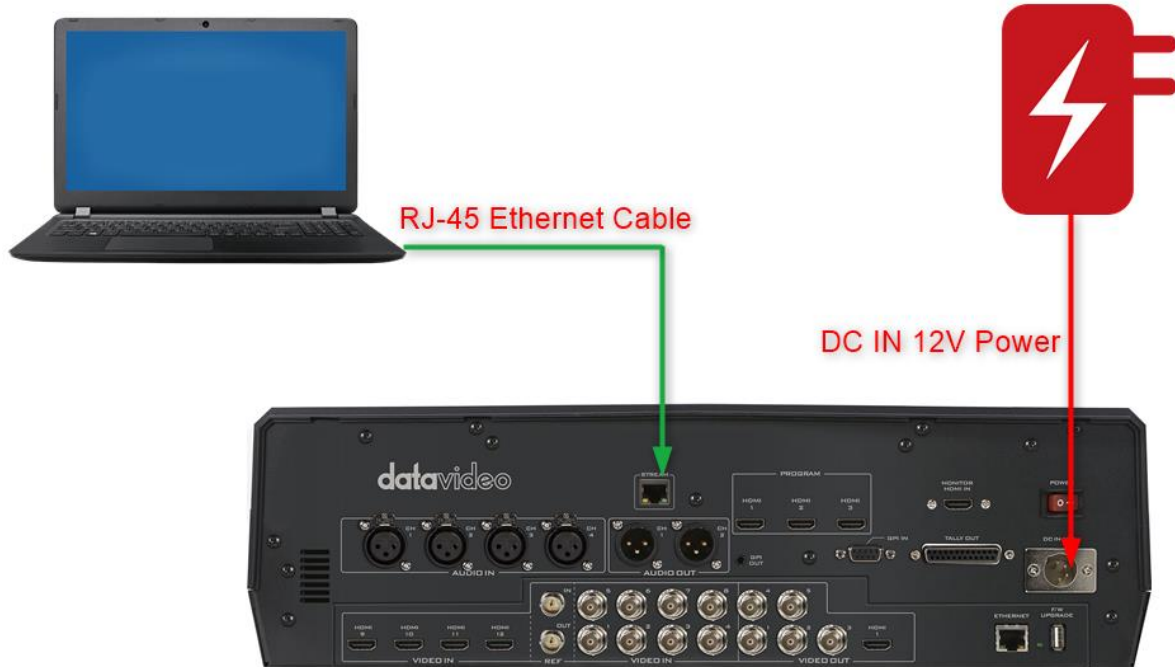


## HS-1600T MARK II





## HS-3200





## [Checking the Firmware Version](#)

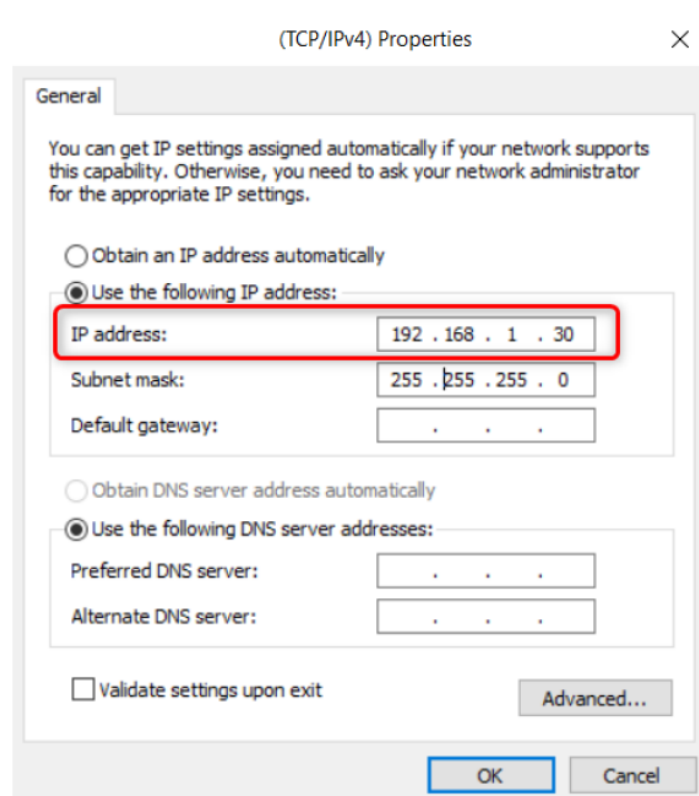
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## [Updating the Firmware-by the NVS-31 Web UI](#)

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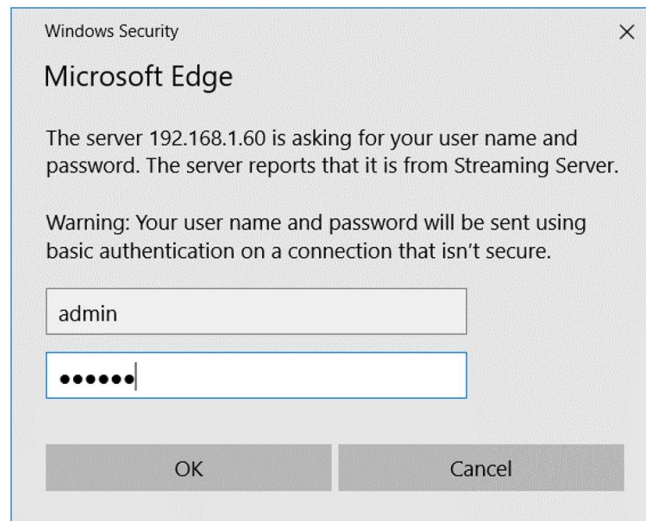
### **Checking the Firmware Version**

1. Please connect a DC 12V(For HS-1300/HS-3200) or DC 48V(For HS-1600T MARK II) power adapter to the HS-1300, HS-1600T MARK II or HS-3200.
2. Please connect an Ethernet cable from the "STREAM" port of the HS-1300/HS-1600T MARK II/HS-3200 to the RJ-45 Ethernet port of your laptop.
3. Please turn on the power of the HS-1300, HS-1600T MARK II or HS-3200.
4. The default static IP address of HS-1300, HS-1600T MARK II or HS-3200's streaming server (NVS-31) is 192.168.1.60. So, before connecting your laptop to the NVS-31, you have to set the IP address of your laptop to be within the same LAN of the NVS-31 which is shown in the following diagram.





5. On the browser that opens, enter the login information (User Name: admin / Password: 000000) and then click OK.



6. After that, you can see the web UI of the NVS-31 and the current firmware version.

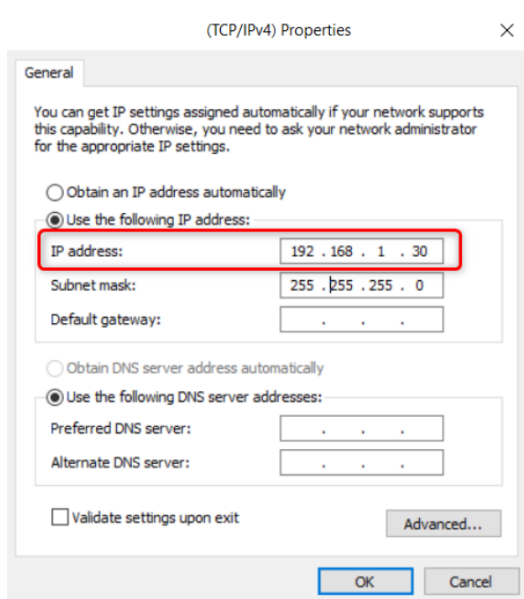




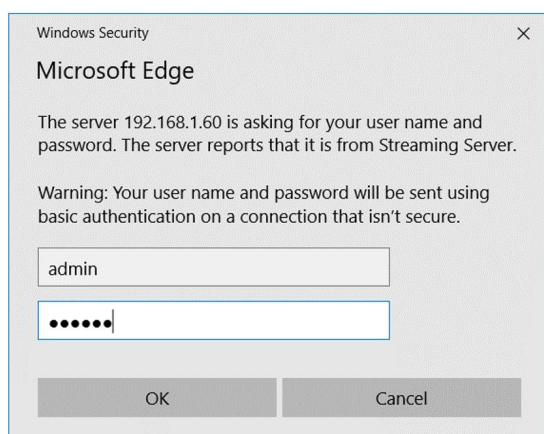
## Updating the Firmware

### Updating the Firmware by the NVS-31 Web UI

1. Please connect a DC 12V(For HS-1300/HS-3200) or DC 48V(For HS-1600T MARK II) power adapter to the HS-1300, HS-1600T MARK II or HS-3200.
2. Please connect an Ethernet cable from the "STREAM" port of the HS-1300/HS-1600T MARK II/HS-3200 to the RJ-45 Ethernet port of your laptop.
3. Please turn on the power of the HS-1300, HS-1600T MARK II or HS-3200.
4. The default static IP address of HS-1300, HS-1600T MARK II or HS-3200's streaming server (NVS-31) is 192.168.1.60. So, before connecting your laptop to the NVS-31, you have to set the IP address of your laptop to be within the same LAN of the NVS-31 which is shown in the following diagram.

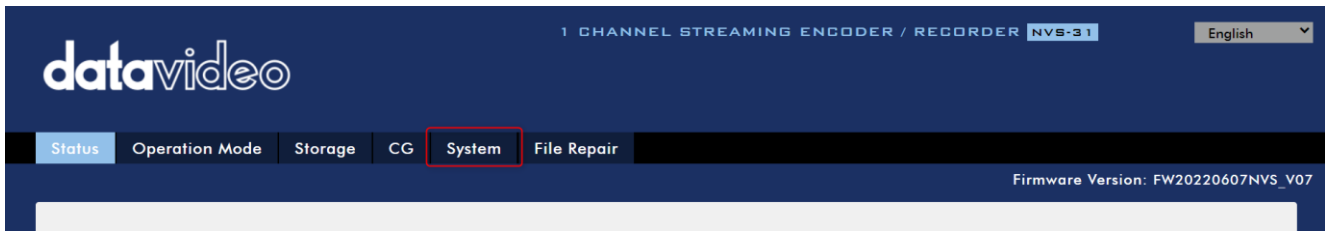


5. On the browser that opens, enter the login information (User Name: admin / Password: 000000) and then click OK.

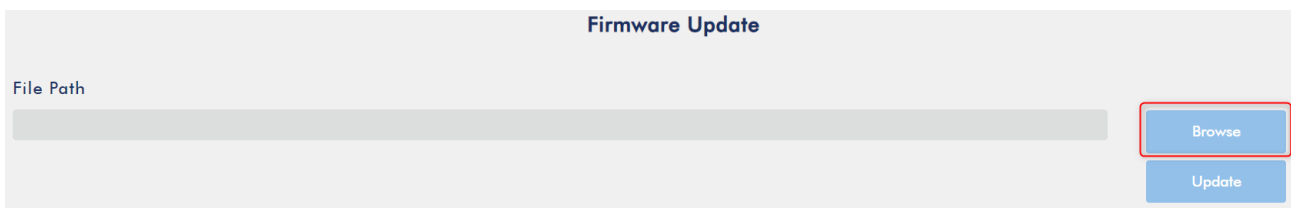




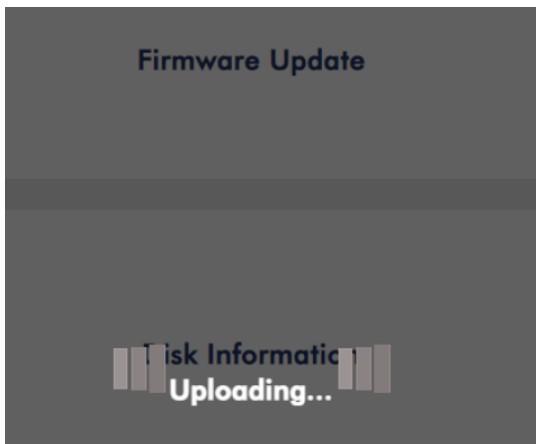
6. After entering into the NVS-31 web UI, please click the “System” tab.



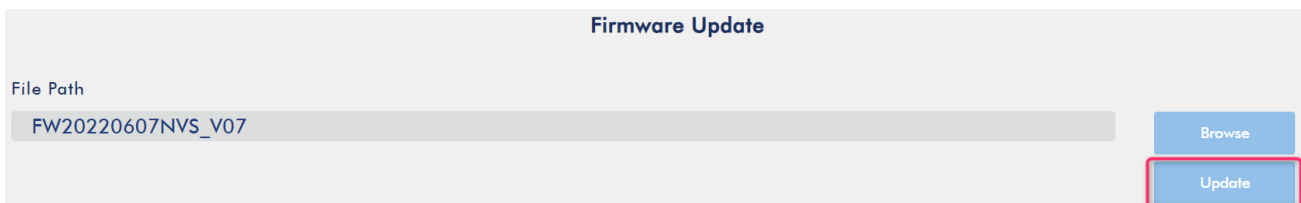
7. In the Firmware Update section, click the Browse button and select the latest firmware file saved on the hard disk of the laptop to which the NVS-31 is connected.



8. You will see that the word “Uploading” is shown to indicate that the selected firmware is being uploaded to the NVS-31.



9. Click the Update button after the firmware file is successfully uploaded.



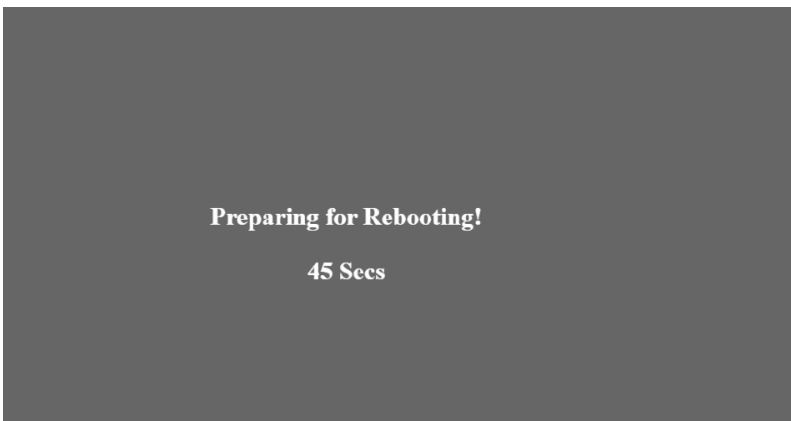


10. You will see the word “Updating” to indicate that the firmware update procedure is started.



11. You will see the dialogue box “The fw update success”, please click the “OK” button.

12. The device will reboot itself after it is updated successfully.



**Note: If the device is recording or streaming, you must turn them off before initiating the firmware update.**

13. After the firmware is updated successfully, you can log into the NVS-31 web UI again and then you can see the new firmware version is updated successfully.

