

Firmware Update Procedure for KMU-200_NVS-31 MARK II

1. Introduction

The NVS-31 MARK II is a built-in streaming device in the KMU-200.

Firmware update is performed by connecting the target KMU-200 4K Multi-channel Streaming Switcher to the Ethernet Port of a Windows Computer.

This firmware update procedure applies to the following product.

Product Model	KMU-200
Product Name	4K Multi-channel Streaming Switcher

There is one firmware file

- Firmware file x 1: NVS31_MKII_2_1_0.tar

Note: This firmware version is for the serial number before 00755459 (00755459 is included), if your serial number is after 00755459 (00755459 is not included), please use newer version firmware.

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

Screen images from the Windows 10 operating system are used in this document as an example. Images used in this document may differ from the actual screens.

For details on Windows and computer operations, please refer to the instruction manual of your computer.

2. Preparation

2.1 System Requirements

A computer that meets the following requirements is necessary to perform the firmware update procedure.

OS	Windows 7, Windows 8, Windows 10
Supported Browsers	Google Chrome 54.0.2840 or above Firefox 50.1.0 or above Internet Explorer 11 Microsoft Edge 79.0.309 or above

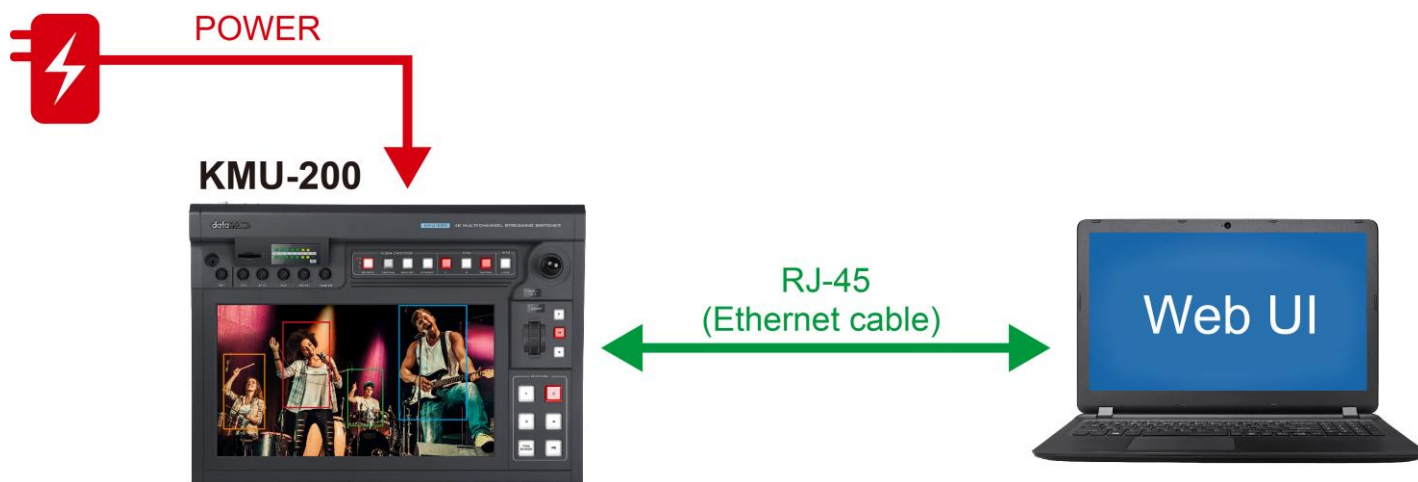
Operation is not guaranteed on all computers that meet the above requirements

2.2 Firmware Update Preparation

The following items are required to perform this firmware update. Please prepare this items in advance before performing the update.

KMU-200 x 1	The KMU-200 which is needed for updating the firmware.
12V Power adapter x 1	The 12V power adapter for the KMU-200.
Laptop x 1	The laptop which is used to connect to the KMU-200.
Ethernet Cable x 1	The Ethernet cable which is used to connect the KMU-200 and your laptop.
Latest Firmware ● NVS31_MARK II_2_1_0.tar	The latest downloaded firmware file.

2.3 System Connection Diagram



2.4 Checking the Firmware Version

2.4.1. Please reset the IP address of the NVS-31 MARK II to the factory default value 192.168.1.200 according to the chapter 5 of the KMU-200 user manual.

Please reset the IP address of the NVS-31 MARK II to the factory default value 192.168.1.200 according to the KMU-200 user manual.

2.4.2 Please set the IP address of your laptop which is used to connect to the KMU-200 to be within the same LAN as the NVS-31 MARK II.

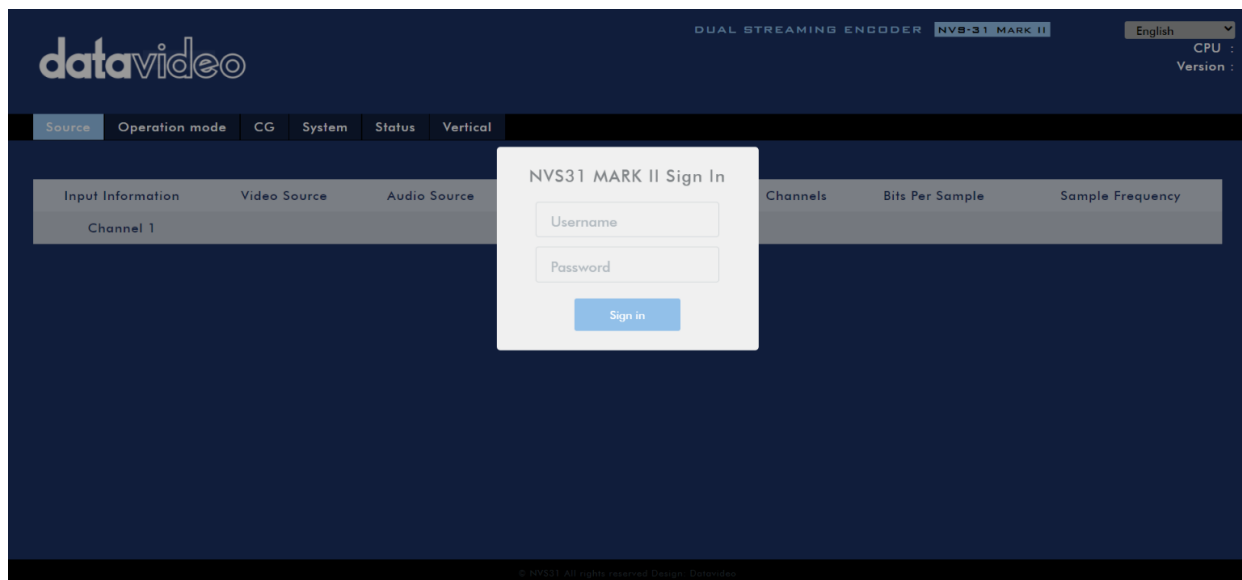
Please set the IP address of your laptop which is used to connect to the KMU-200 to be within the same LAN as the NVS-31 MARK II.

2.4.3 Please use an Ethernet cable to connect from the RJ-45 port of your laptop to the STREAM RJ-45 port of the KMU-200.

Please use an Ethernet cable to connect from the RJ-45 port of your laptop to the STREAM RJ-45 port of the KMU-200.

2.4.4. Please connect to the NVS-31 MARK II web UI by using the default IP address of 192.168.1.200.

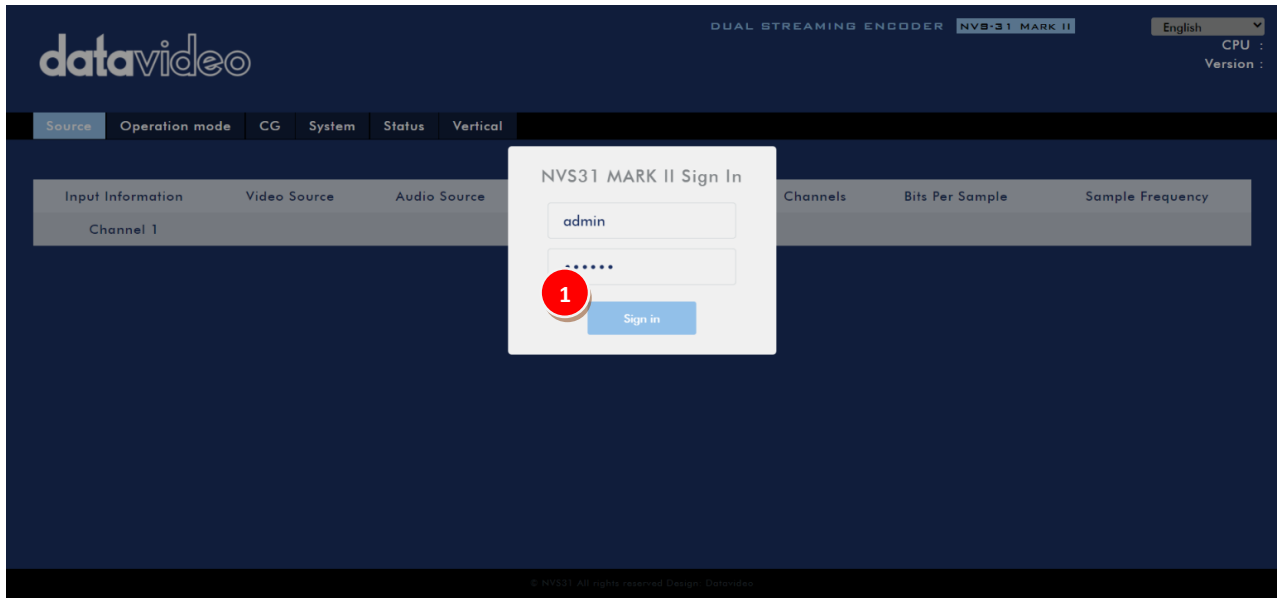
Please connect to the NVS-31 MARK II web UI by using the IP address of the 192.168.1.200. After that, you can see the login page of the NVS-31 MARK II which is shown as following diagram.



2.4.5. Please use following information to login into the NVS-31 MARK II web UI.

■ Username: admin

■ Password: 000000



2.4.6. After logging into the NVS-31 MARK II web UI, you can see that the current firmware version number.

After logging into the NVS-31 MARK II web UI, you can see that the current firmware version number is located at the top-right side of the screen which is shown as the following diagram.



2.5 Preparing the Firmware

2.5.1. Download the firmware

KMU-200 Product Page from the Datavideo website:

<https://www.datavideo.com/product/KMU-200>

2.5.2. Unzip the firmware

Please unzip the downloaded firmware into the hard disk of your laptop and then you can see following firmware file for the NVS-31 MARK II.

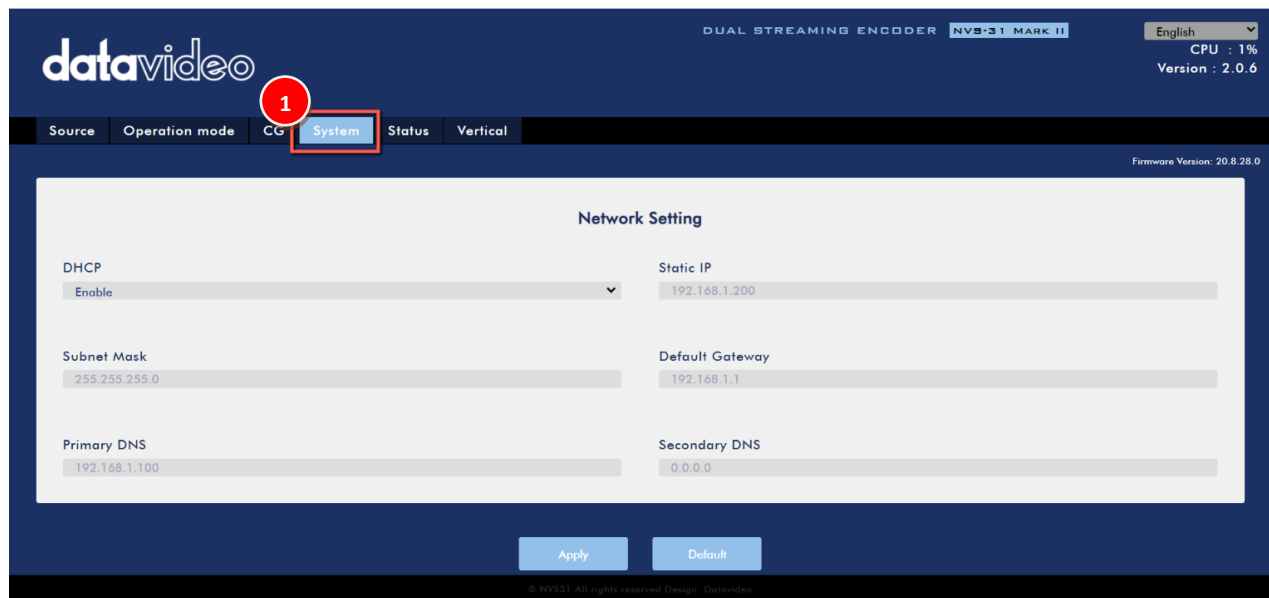
 NVS31_MKII_2_1_0.tar

3. Update

3.1 Updating the firmware

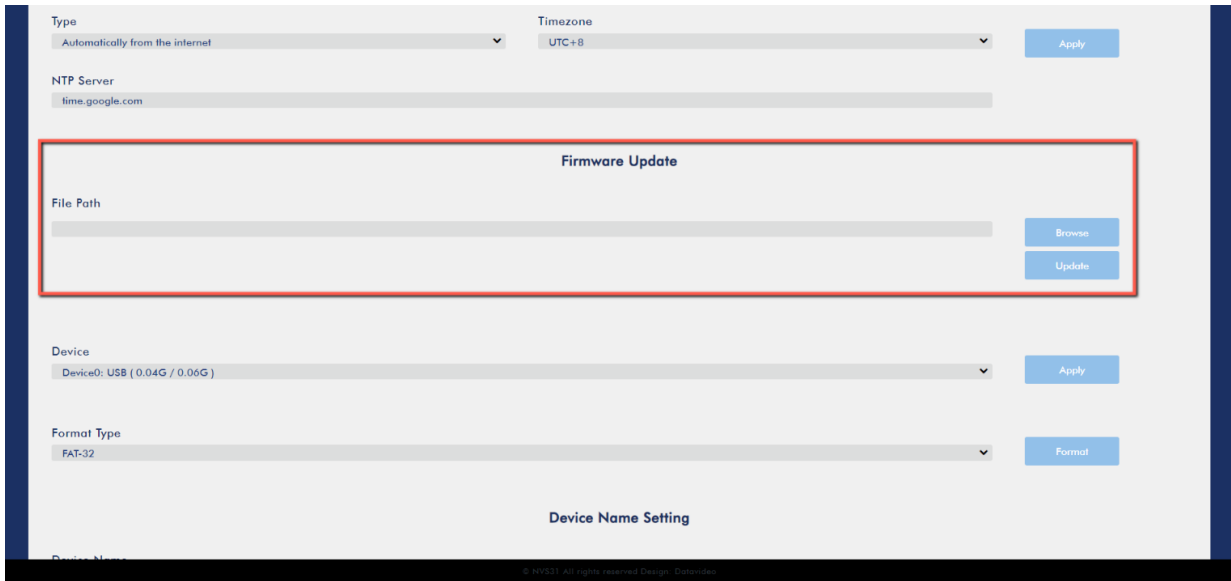
3.1.1. Please click the [System] option from the NVS-31 MARK II web UI.

Please click the [System] option of the NVS-31 MARK II web UI and then the screen will be shown as the following diagram.



3.1.2. You can see the [Firmware Update] section from the NVS-31 MARK II web UI.

You can see the [Firmware Update] section from the NVS-31 MARK II web UI.



The screenshot shows the web UI of the NVS-31 MARK II device. The 'Firmware Update' section is highlighted with a red rectangular box. This section contains a 'File Path' input field, a 'Browse' button, and an 'Update' button. Above this section, there are settings for 'Type' (set to 'Automatically from the internet'), 'Timezone' (set to 'UTC+8'), and 'NTP Server' (set to 'time.google.com'). Below the 'Firmware Update' section, there are settings for 'Device' (set to 'Device0: USB (0.04G / 0.06G)') and 'Format Type' (set to 'FAT-32').

3.1.3 Please click the [Browse] button

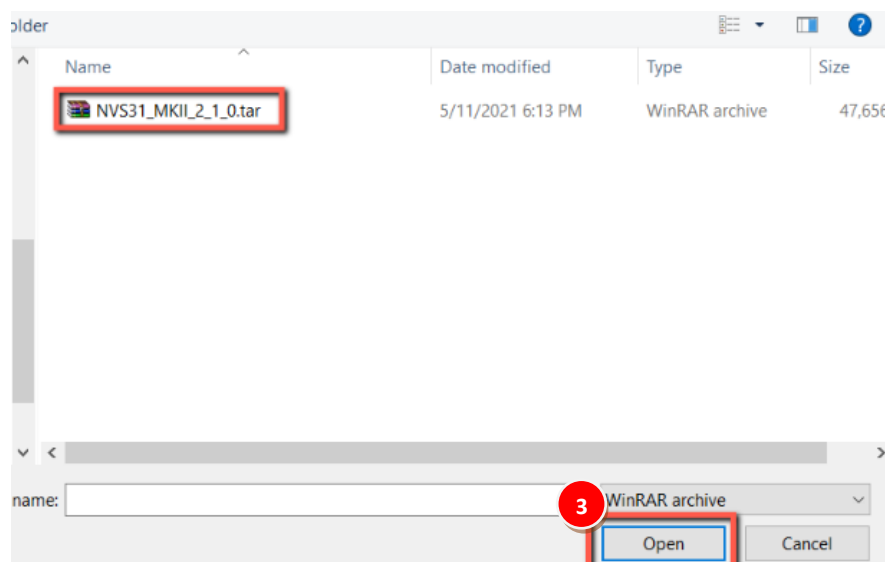
Please click the [Browse] button to select the downloaded firmware file for updating the firmware.



This is a close-up view of the 'Firmware Update' section. The 'File Path' input field is empty. The 'Browse' button is highlighted with a red rectangular box and a red circle containing the number '2'. The 'Update' button is also visible below it.

3.1.4. Select the latest firmware file from the hard disk of your laptop

Please select the firmware file from the hard disk of your laptop.



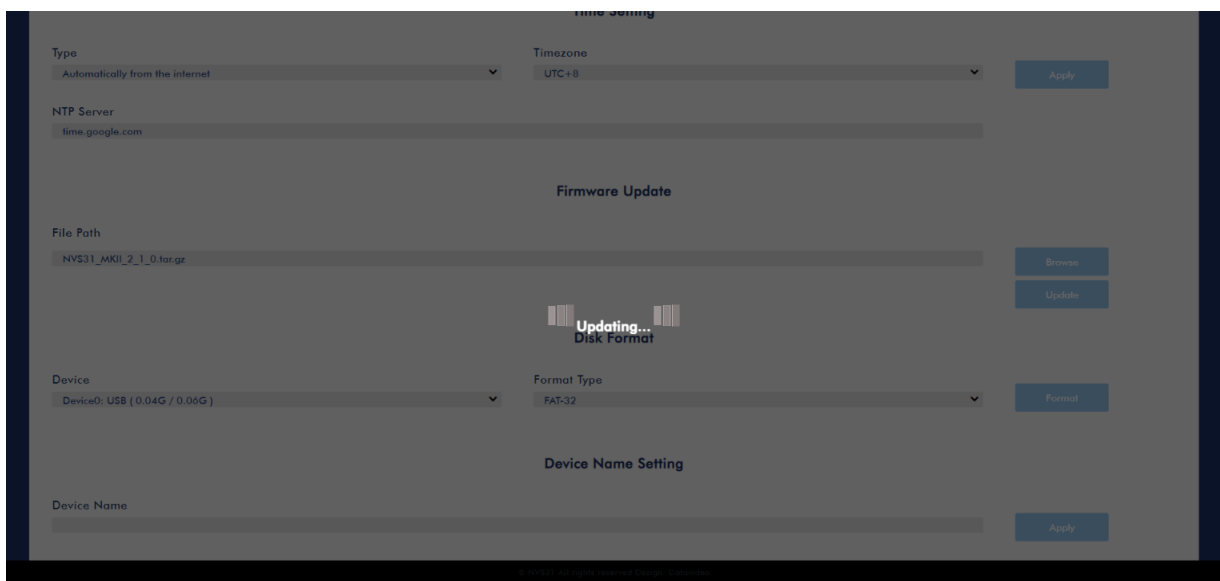
3.1.5. Click the [Update] button.

Please click the [Update] button to start the firmware update procedure.



3.1.6. The firmware update procedure will be started.

The firmware update procedure will be started.



3.1.7. Click the [confirm/OK] button.

After the firmware update procedure is done, you will see a prompted dialog box to show that the firmware update is done successfully. Please click the [confirm/OK] button.

3.1.8. The device rebooting countdown screen will show

The device rebooting countdown screen will show and then the device will be rebooted.



3.1.9. After the system rebooting is done, the whole firmware update procedure is done successfully.

After the system is rebooted, the whole firmware update procedure is done successfully.