

MDU Solutions® - UCrypt® FIRMWARE UPDATE INSTRUCTIONS - V3.2.1

This is a new GA firmware for all SKUs belonging to the following UCrypt products.

- QAM to QAM
- QAM to IP
- IP to QAM
- IP to IP

The new FW revision number is 3.2.1.2017.112.839

Prerequisite currently installed version 3.1.6.2015.716.2107

If you have an earlier version installed, please obtain version 3.1.6.2015.716.2107 from ATX Networks Technical Support and update to this level first using this same procedure. If you require assistance with this update, or have an unexpected result when performing it, please contact ATX Networks Technical Support.

The following instructions provide details for updating the UCrypt Device firmware and for system backup. There is a requirement that you first download the firmware update file from the UCrypt support web page in ZIP format and save it on your PC or to a storage device that is accessible. Do not unzip the file.

You will also require a laptop or desktop PC with available Ethernet port to connect to the UCrypt Device. There is an assumption that the UCrypt Device has been installed and is operating properly. The instructions assume you will connect directly to the UCrypt Device rear panel using the default IP address. If you connect indirectly or the IP address has been changed, use the actual IP address of the unit.

1. Connect to the Device eth0 Management Port

1. Connect directly to the UCrypt Device Management (eth0) port using a crossover cable, Figure 1. Direct connection is not mandatory, you may also connect remotely in the usual manner for your device.

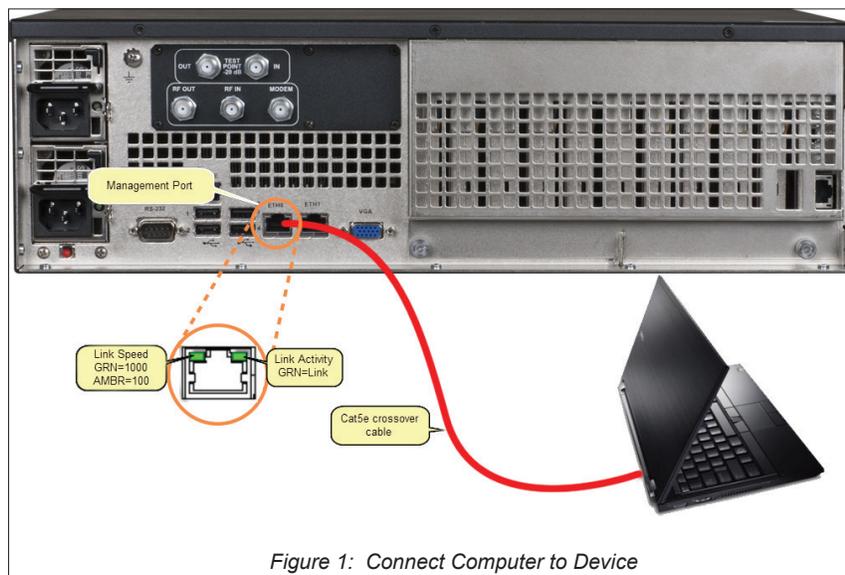
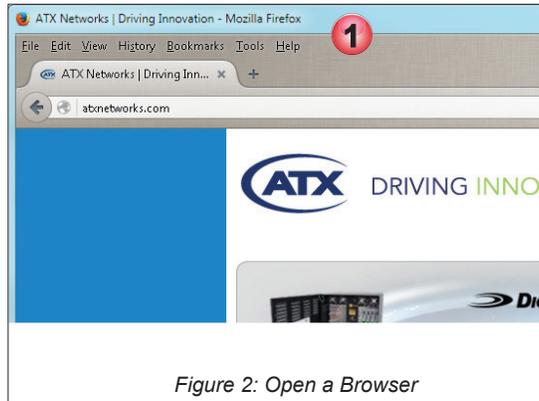


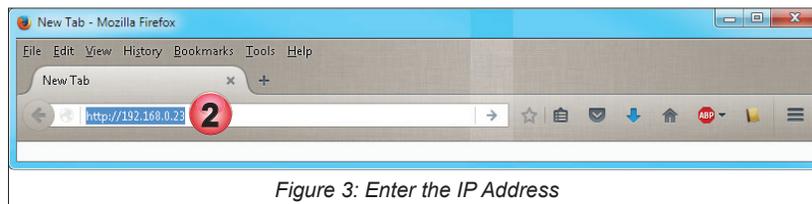
Figure 1: Connect Computer to Device

2. Log into the GUI

1. Open your favorite browser, Figure 2.



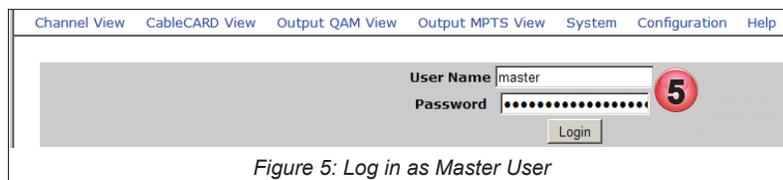
2. Enter the IP address of the UCrypt device in the URL address bar, Figure 3. In our example: HTTPS://192.168.0.23



3. You may receive a security warning due to the UCrypt Device self signed security certificate, Figure 4.
4. Accept to continue to the site. The warning you receive may vary depending on the browser being used.



5. Log in as Master user, Figure 5. Username: **master** Default Password: **atx_ucrypt_master_password**
If the password has been changed from the default, use the existing password.



3. Backup the Channel Configuration Settings

This step is optional but strongly recommended. It is not intended that there will be any change or loss to the unit’s previously programmed configuration settings, but good practice dictates that a backup is prudent before firmware updates. The saved file will not needed again during the update. This is precautionary only and the file would only be used to recover from an unexpected result.

1. Click the **Configuration** tab, Figure 6.
2. In the ‘Export Channel Configuration’ section click the **Download** button.

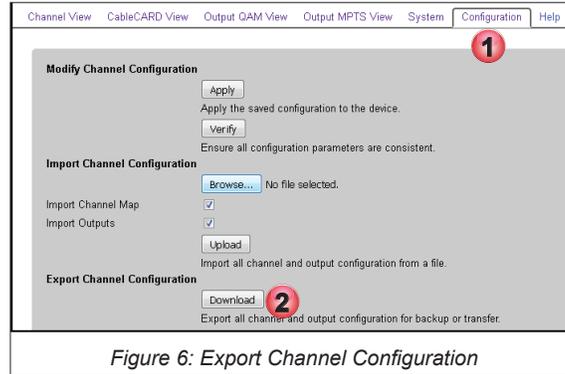


Figure 6: Export Channel Configuration

3. Choose to **Save** the file, Figure 7.
- Depending on the browser you use, the prompts and windows you get may vary from what we show here.
4. Click **OK** to save the file to the default browser download folder.

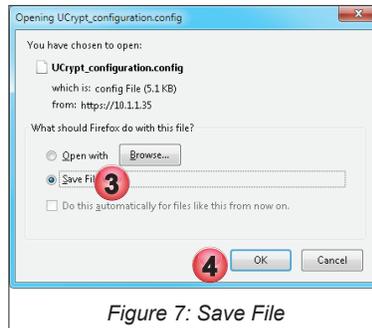


Figure 7: Save File

4. Reboot Device & Check Firmware Version

Before a firmware update is done, the UCrypt Device needs to be rebooted from the ‘System’ page.

1. Click the **System** tab, Figure 8.
2. In the Power section, click the **Reboot** button.

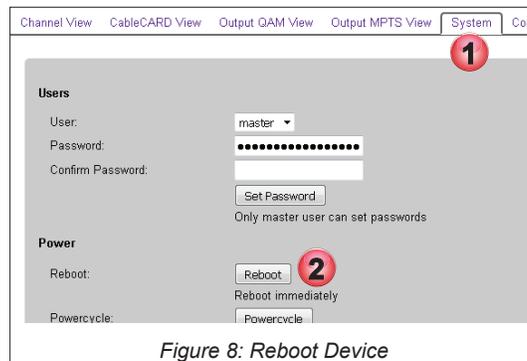
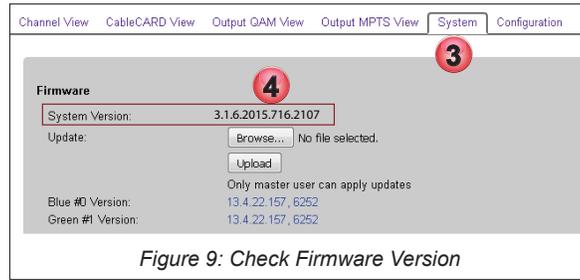
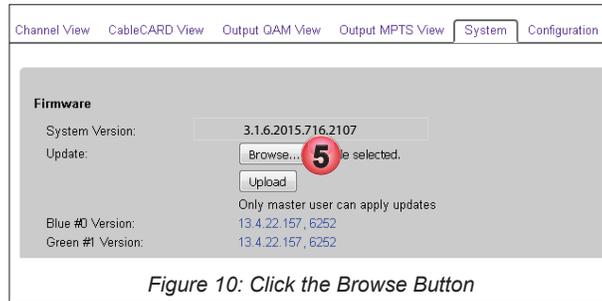


Figure 8: Reboot Device

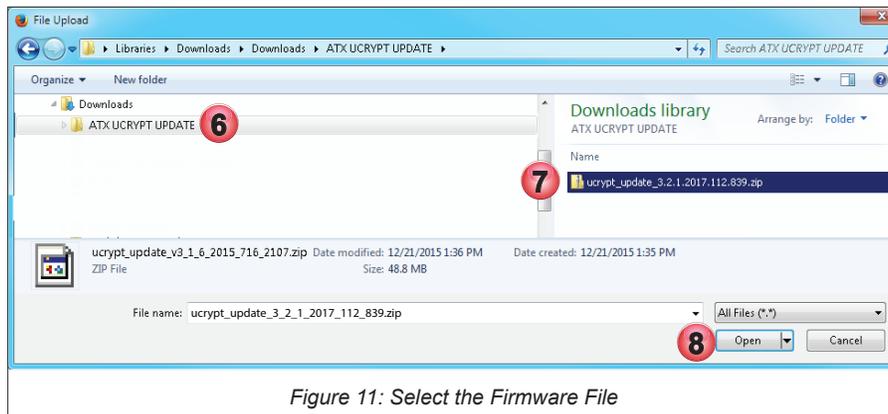
3. You are returned to the 'System' page in about 1 to 2 minutes, Figure 9.
4. In the Firmware section verify the version to be sure it is **at least 3.1.6.2015.716.2107** before applying this update.



5. In the Firmware section, click the **Browse** button, Figure 10.



6. Browse to the folder where the firmware update file is saved using the file explorer, Figure 11.
7. Select the firmware file from the browser window.
8. Click **Open**.



9. The **update file name** is displayed adjacent to the Browse button, Figure 12.
10. Click the **Upload** button.



The UCrypt device will upload the file which may take between 1 and 10 minutes depending on network upload speed.

11. The UCrypt Device reports file upload success and installation begins, Figure 13.

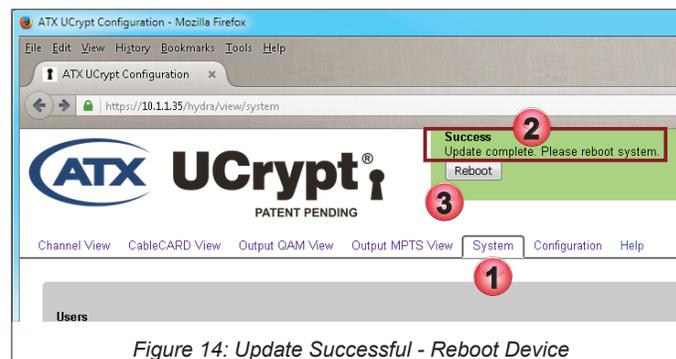
12. The update progress is displayed in real time.

This update process should take about 6 minutes to complete from this point.



5. Reboot the Device

1. After file installation is complete, the device will return to the System tab, Figure 14.
2. Device reports update success and prompts for a reboot.
3. Click the **Reboot** button.



6. Accept the Firmware Licence

The first time you open your browser and log in on this unit you will be presented with the licence page, Figure 15.

1. Read the **Software End User Licence Agreement**.
2. Click to accept the Licence terms.

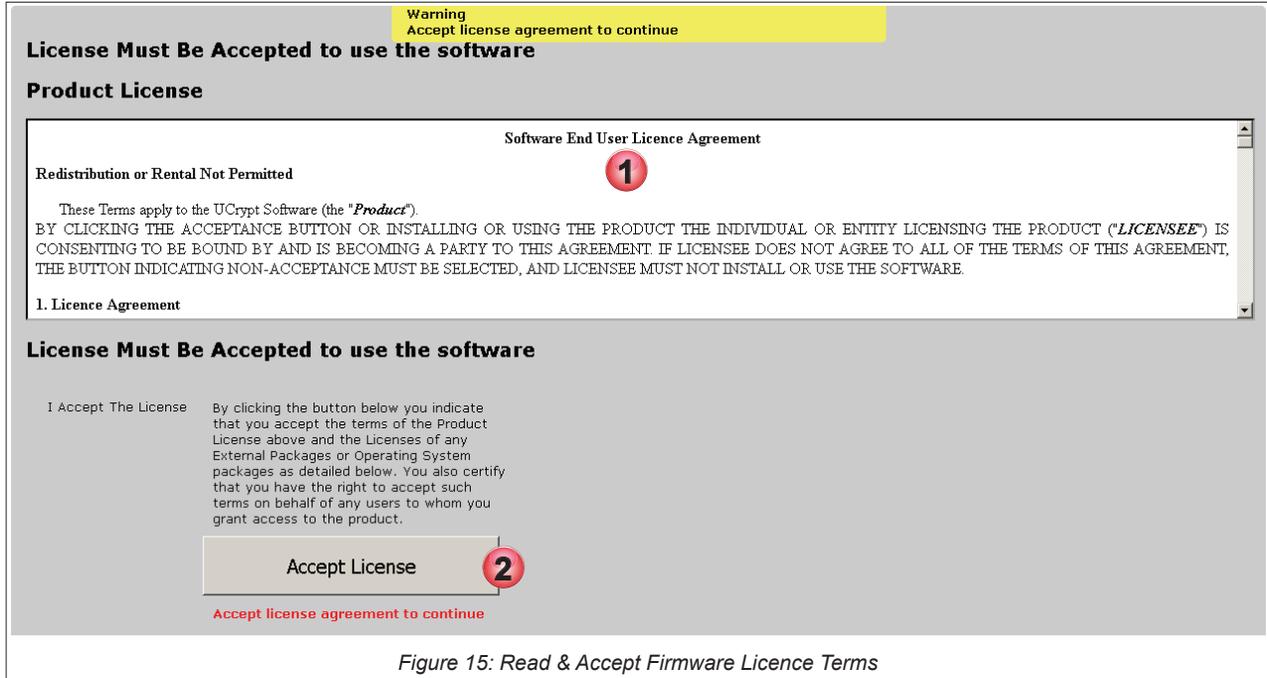


Figure 15: Read & Accept Firmware Licence Terms

7. Check the Installed Version

1. Click to select the System tab, Figure 16.
2. Scroll down to the Firmware section to verify that the reported version is at **3.2.1.2017.112.839**.

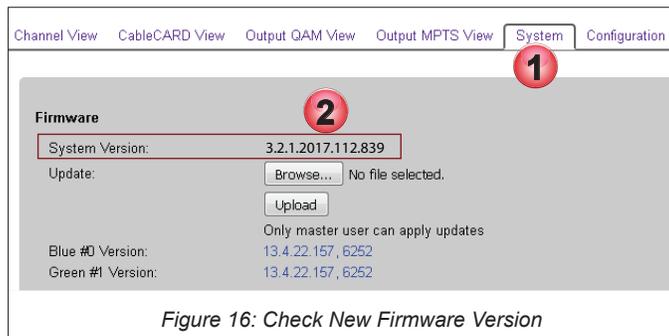


Figure 16: Check New Firmware Version

8. The Firmware Update is Complete.

Please report any problems or unexpected results to ATX Networks Technical Support group.



Service & Support

Contact ATX Networks

Please contact ATX Technical Support for assistance with any ATX products. Please contact ATX to obtain a valid RMA number for any ATX products that require service and are in or out-of-warranty before returning a failed module to ATX.

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Warranty Information

All of ATX Networks' products have a 1-year warranty that covers manufacturer's defects or failures.

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