

MDU Solutions® UCrypt® - QAM TO IP FIRMWARE UPDATE INSTRUCTIONS - V1.2.6

Prerequisite installed version 0.8.375

All models of UCrypt may be updated with the same firmware, however **only installed version 0.8.375 or later** versions of firmware may be updated with this latest release.

If you have a version earlier than 0.8.375, please update to 0.8.375 first. Find a link to this software on the UCrypt support web site.

If you require assistance with this update, or have an unexpected result when performing it, please see [“Service & Support” on page 8](#) for phone numbers.

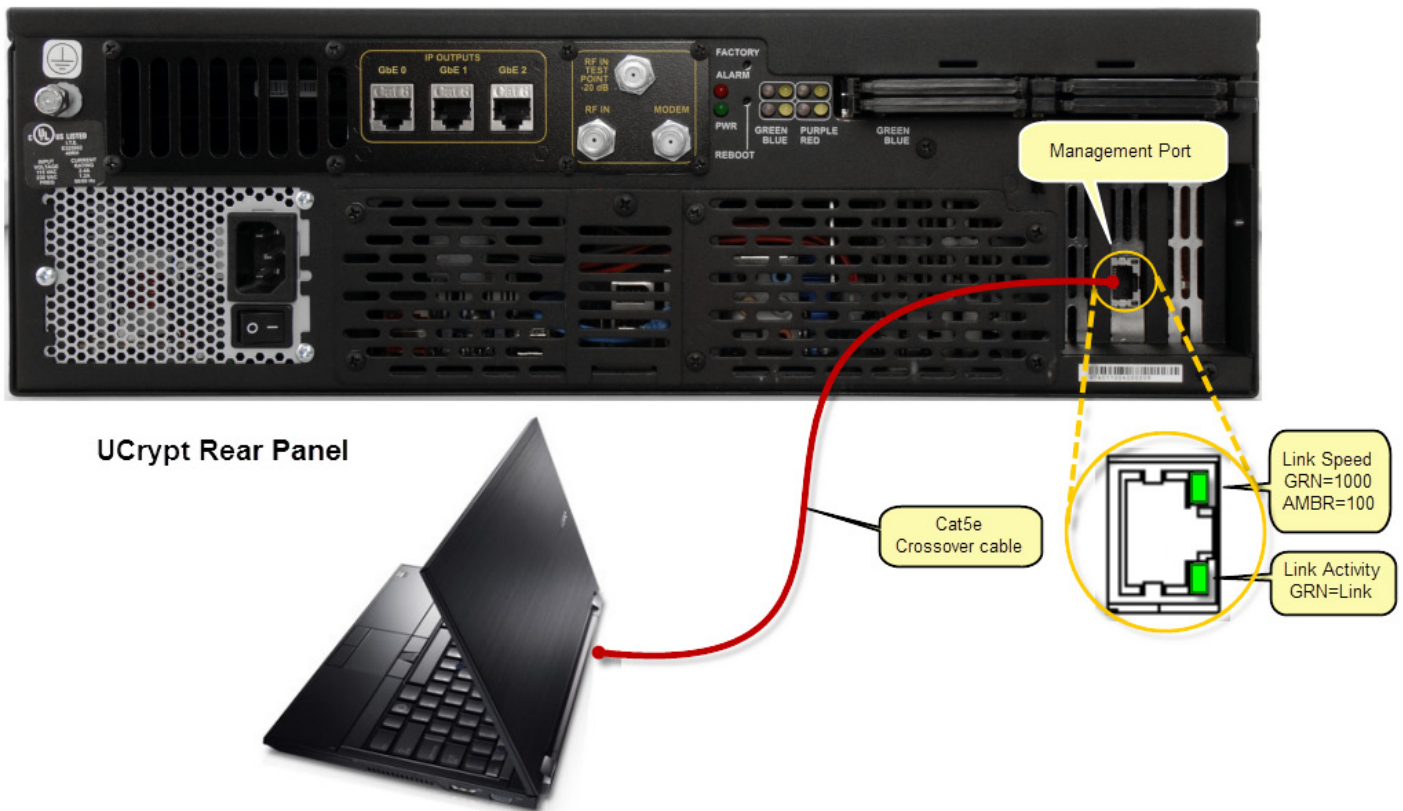
The following instructions provide details for updating UCrypt firmware and for system backup. There is a requirement that you first download the firmware update file from the UCrypt support web page:

<http://www.atxnetworks.com/ucrypt-bulk-qam-to-ip-support>

You will also require a laptop or desktop PC running Microsoft® Windows® with available ethernet port to connect to the UCrypt.

There is an assumption that the UCrypt has been installed and is operating properly (if you require configuration or operating instructions, see the specific UCrypt Quick Start Guide or the Installation and Operations Guide for your model of UCrypt). The instructions assume you will connect directly to the UCrypt. If you connect indirectly, use the actual IP address of the UCrypt.

Step A Connect your Computer’s Ethernet Port to the Local UCrypt®



Step B Set your Computer's Wired ethernet IP Address on the same Subnet as the UCrypt®

Open Network Connections window from Control Panel

Right Click the wired LAN connection used to connect to the UCrypt

LAN or High Speed Internet

Local Area Connection

Properties

Local Area Connection Properties

Internet Protocol (TCP/IP)

Properties

General

Use the following IP address:

IP address: 192.168.0.100

Subnet mask: 255.255.255.0

Default gateway:

Obtain DNS server address automatically

Use the following DNS server addresses:

Preferred DNS server:

Alternate DNS server:

Advanced...

OK

Computer is set to UCrypt subnet

Enter the IP address 192.168.0.100 & subnet mask 255.255.255.0. These values will work for the default UCrypt address of 192.168.0.23. Substitute an address on the UCrypt subnet if UCrypt is not at default address

If there is a router between your computer and the UCrypt enter the router's address

No need to enter DNS

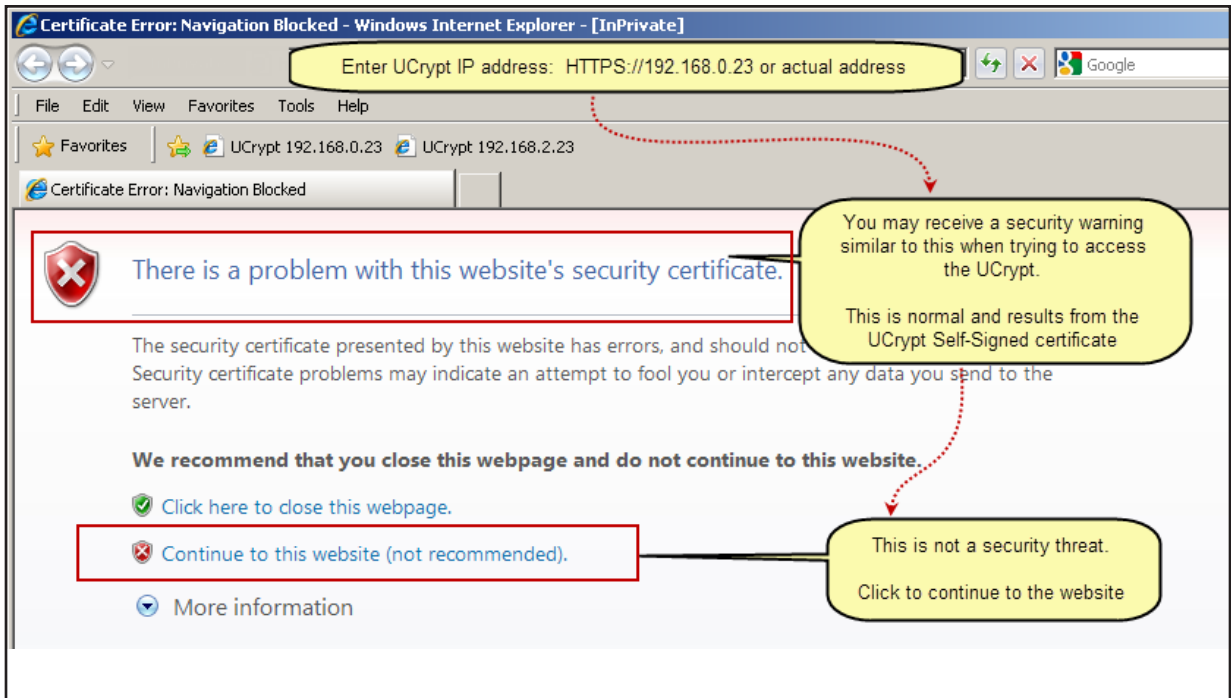
Step C Log into the UCrypt®

Open your favorite browser.



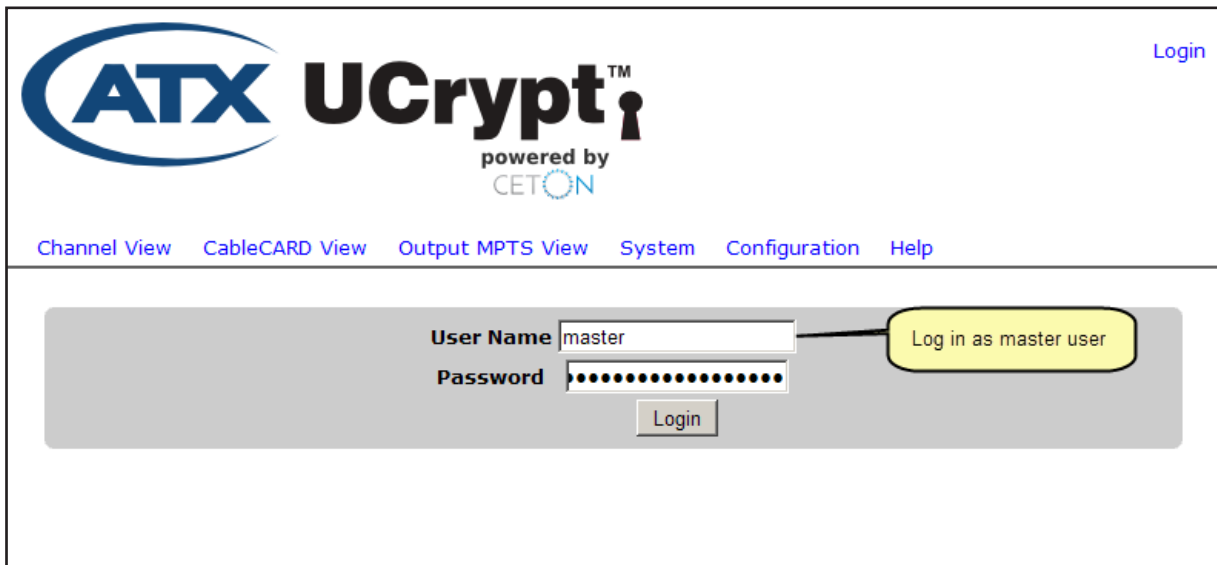
Enter the IP address of the UCrypt in the URL address bar. In our example: HTTPS://192.168.0.23

If you get the following security warning, just accept the warning and proceed by clicking to continue to the site. This warning is due to the UCrypt's self-signed security certificate.



Log into the UCrypt as master. Only master user can perform firmware updates.

Default master password is: atx_ucrypt_master_password



Once you are successfully logged in, proceed to **Step D**.

Step D Backup the Configuration Settings of the UCrypt® to a File

This step is optional but strongly recommended. It is not intended that there will be any change or loss to the UCrypt previously programmed configuration settings, but good practice dictates that a backup is prudent before firmware updates.

The saved file will not normally be needed again during the update. This is precautionary only.

Click the "Configuration" tab

Channel View CableCARD View Output MPTS View System **Configuration** Help

Modify Channel Configuration
 Apply
 Apply the saved configuration to t
 Verify
 Ensure all configuration paramete

Import Channel Configuration
 Browse...
 Import Channel Map
 Import Outputs
 Upload

Export Channel Configuration
Download
 Export all channel and output configuration for backup or transfer

Reset Channel Configuration
 Clear
 Clear all channel and output configuration.
 Revert
 Revert saved configuration to currently applied configur

File Download
 Do you want to open or save this file?
 Name: UCrypt_configuration.zip
 Type: zip Archive, 18.4KB
 Open **Save** Cancel
 Always ask before opening this type of file
 While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. [What's the risk?](#)

Save As
 Save in: Downloads
 My Downloads
 UCrypt Firmware Update 8.239
 UCrypt Firmware Update 8.375
 UCrypt_configuration.zip
 UCrypt_configuration lab.zip
 File name: UCrypt_configuration lab.zip **Save**
 Save as type: zip Archive Cancel

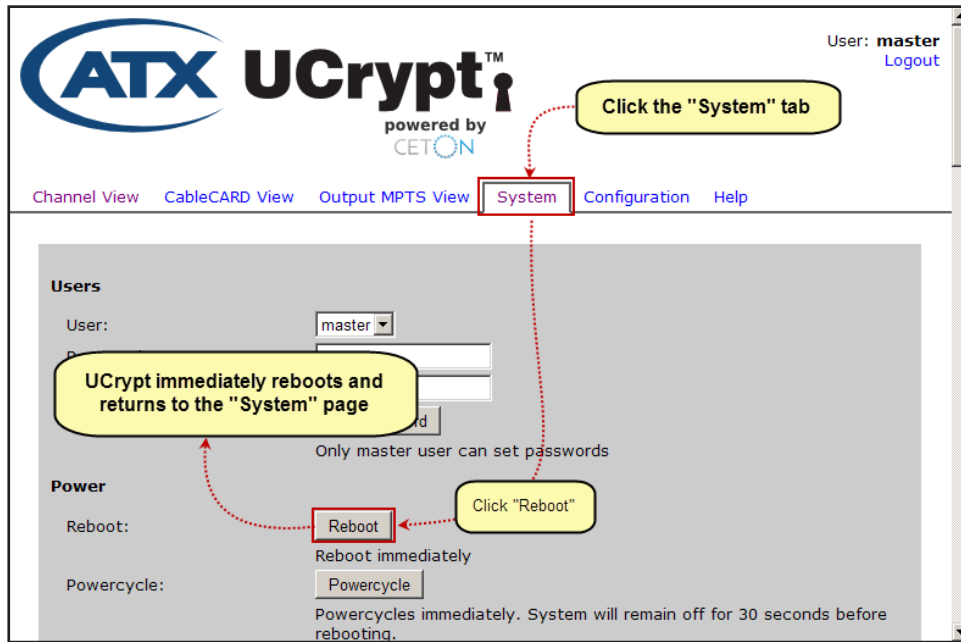
Download complete
 Download Complete
 UCrypt_configuration.zip
 Downloaded: 18.4KB in 1 sec
 Download to: C:\Document... \UCrypt_configuration lab.zip
 Transfer rate: 18.4KB/Sec
 Close this dialog box when download completes
 Open Open Folder **Close**

Download is complete.

Optionally, choose a folder. Otherwise file is saved in the browser's default download folder

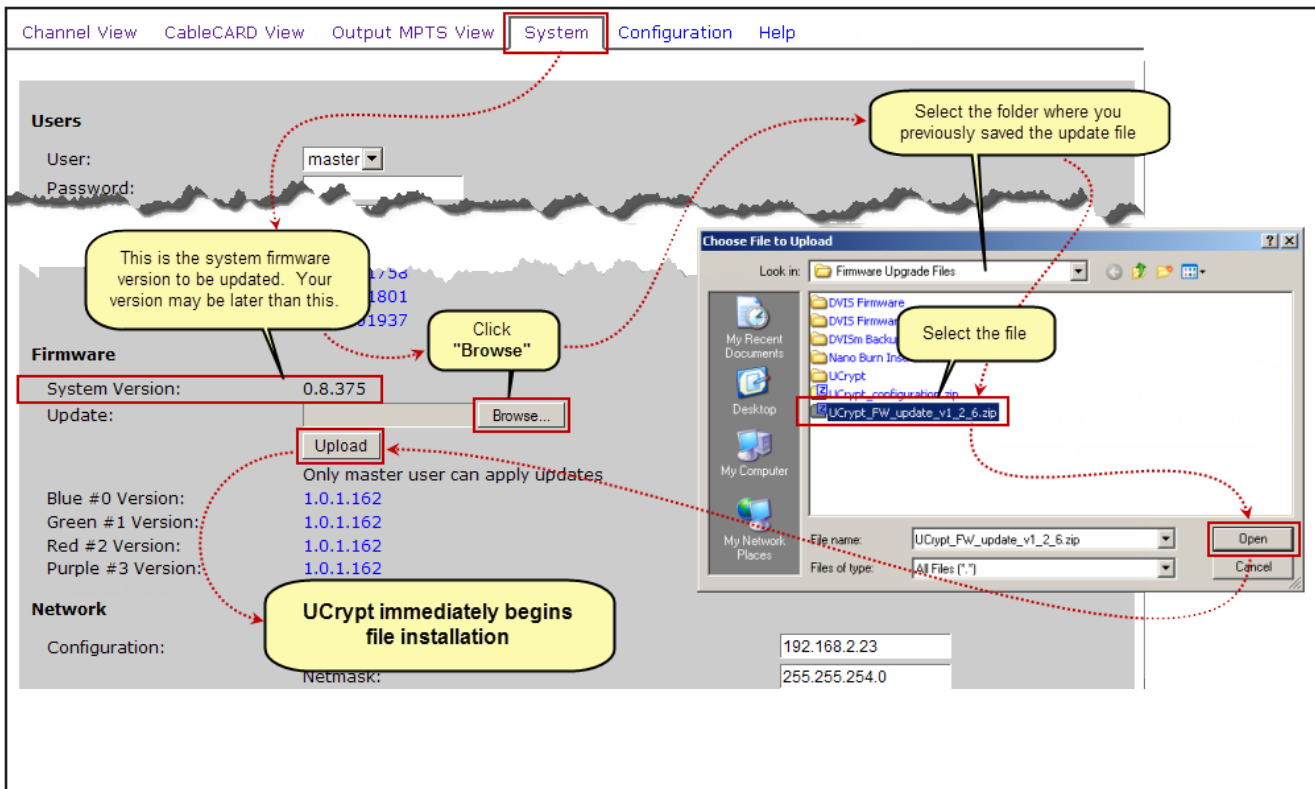
Step E Firmware Update

Before a firmware update is done, the UCrypt needs to be rebooted from the "System" page:

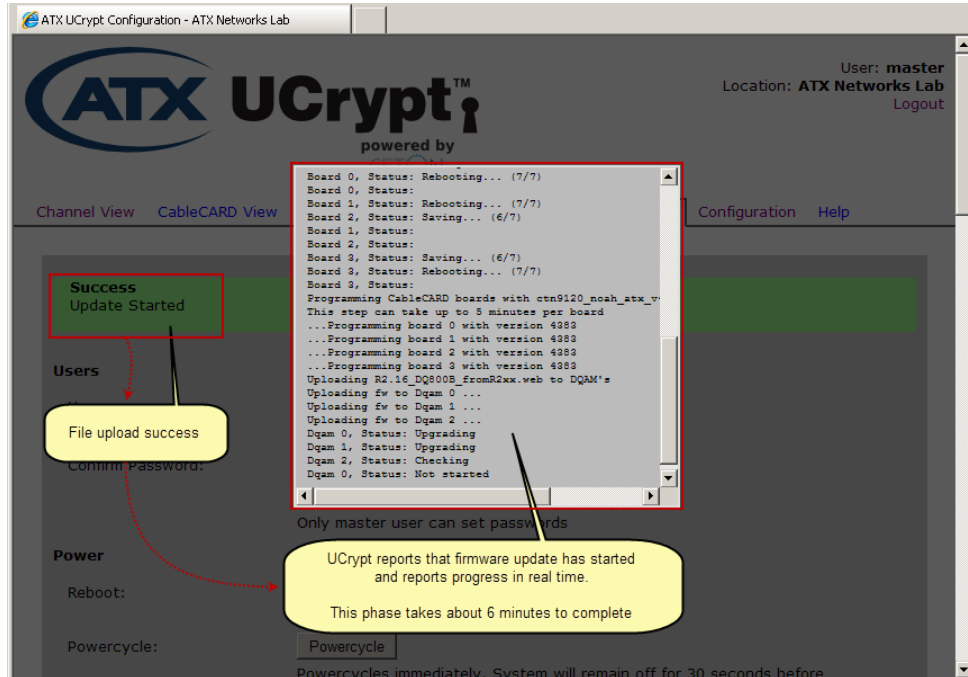


You are returned to the "System" page in about 1 minute.

Follow the instructions below to start the update and upload the firmware file:

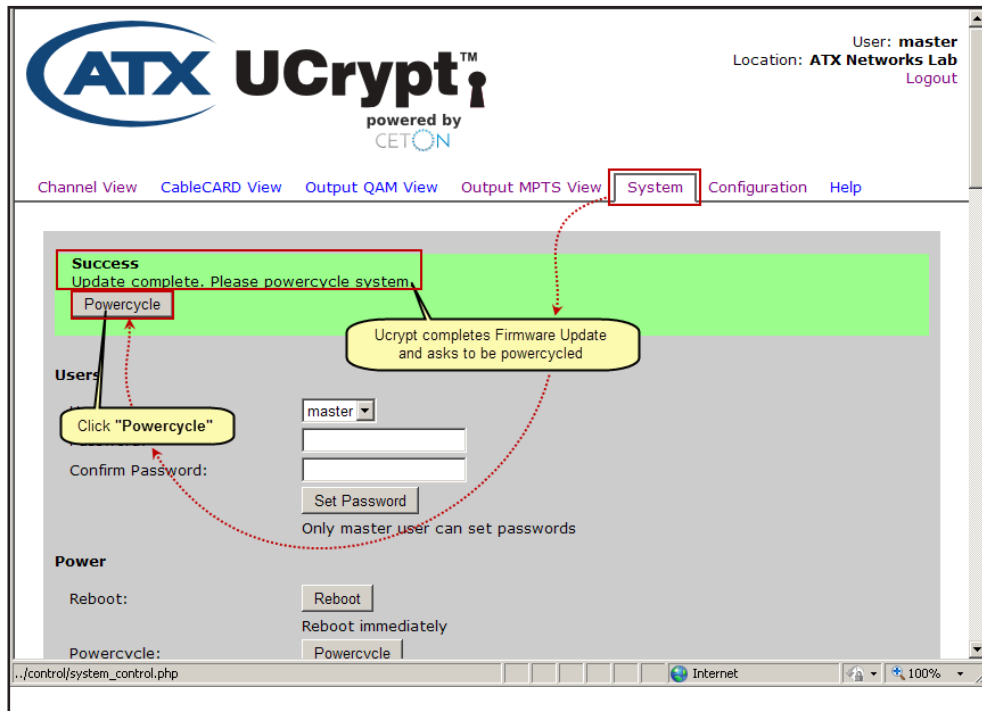


The UCrypt will upload the file and immediately begin file installation. The following page will be displayed and updated in real time. This process should take about 6 minutes to complete.



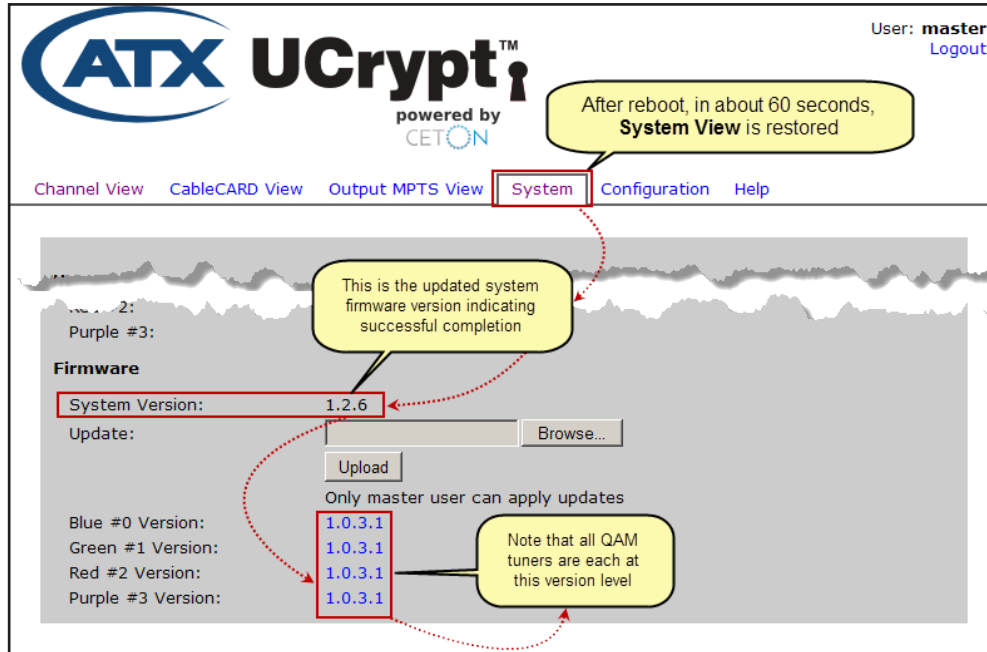
Step F Reboot the UCrypt®

After file installation is complete, the UCrypt will return to the System tab and prompts for a restart. Click the "Powercycle" button.



Step G Check the Installed Version

After the power cycle is complete, the UCrypt will return to the System tab. Scroll down to the Firmware section to verify that the reported version is at 1.2.6



This completes the UCrypt® Firmware Update.

Service & Support

Contact ATX Networks

Please contact ATX Technical Support for assistance with any ATX products. Please contact ATX Customer Service 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 the factory.

DIGITAL VIDEO SUPPORT LINE

Tel: (905) 428-6068
Toll Free: (800) 565-7488 (USA & Canada only)
▶ Press *3 for **Technical Support**
▶ Then press 1 for **Digital Video Products**
E-mail: digitalvideosupport@atxnetworks.com

CUSTOMER SERVICE

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1-501 Clements Road West
Ajax, ON L1S 7H4 Canada

Tel: (905) 428-6068
Toll Free: (800) 565-7488 (USA & Canada only)
▶ Press *1 for **Customer Service**
Fax: (905) 427-1964
Toll Free Fax: (866) 427-1964 (USA & Canada only)
Web: www.atxnetworks.com
E-mail: support@atxnetworks.com

Warranty Information

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



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