

## MDU Solutions® UCrypt® - QAM TO QAM 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 1](#) for phone numbers.

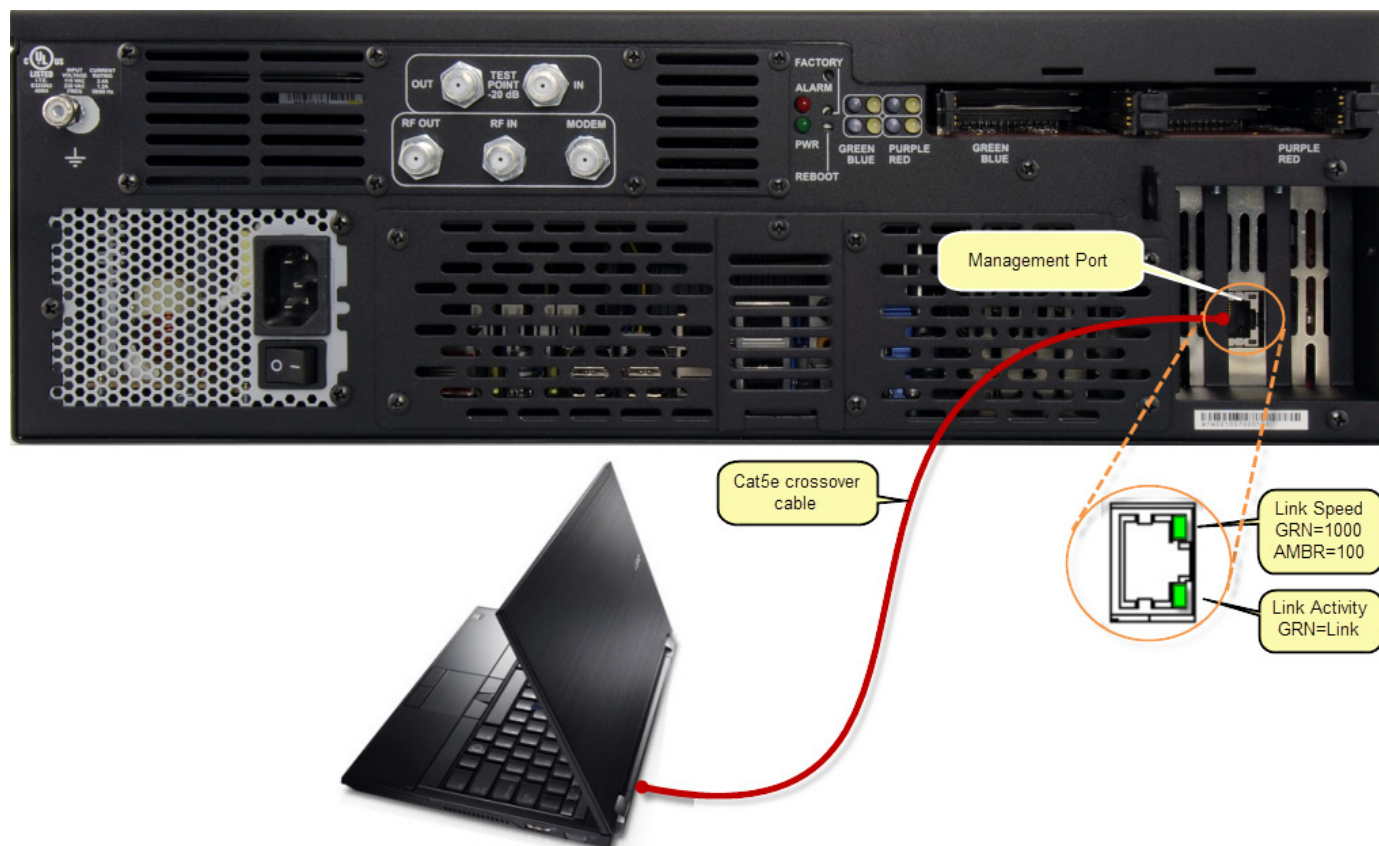
The following instructions provide details for updating UCrypt firmware and for system backup. There is a requirement that you first download the firmware update file from the UCrypt support web page:

<http://www.atxnetworks.com/ucrypt-bulk-qam-to-qam-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**

**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**

**Computer is set to UCrypt subnet**

**5 objects**

**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: . . . .

**OK**

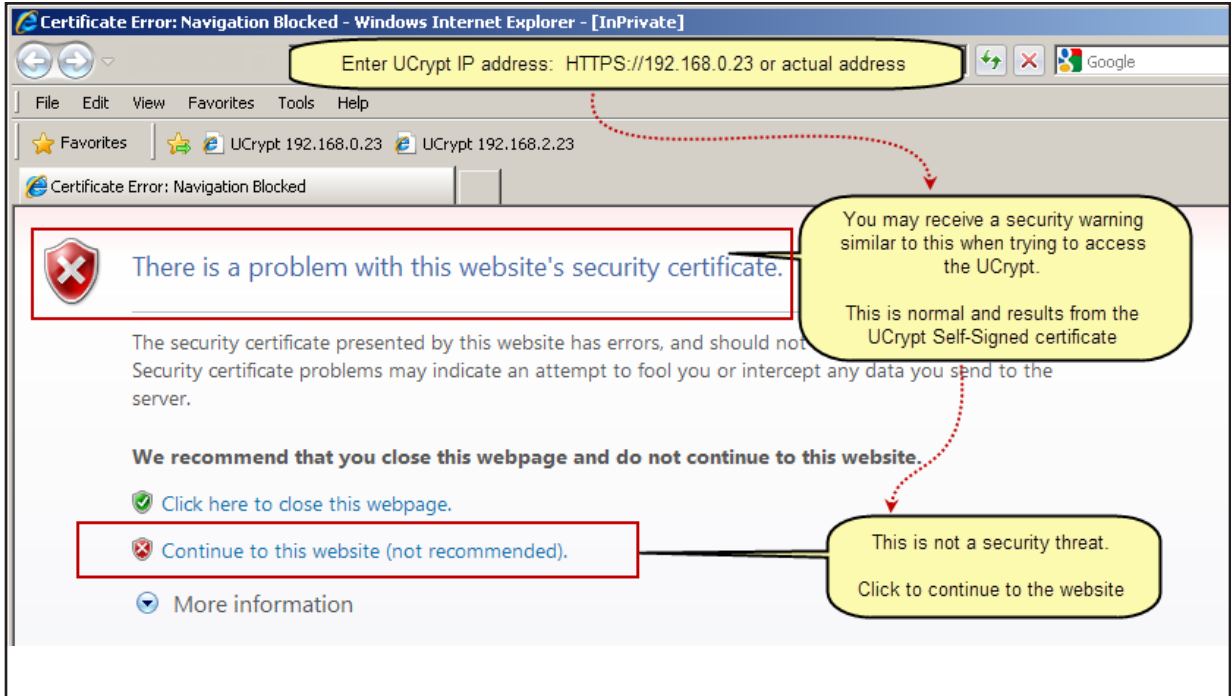
## Step C Log into the UCrypt®

Open your favorite browser.



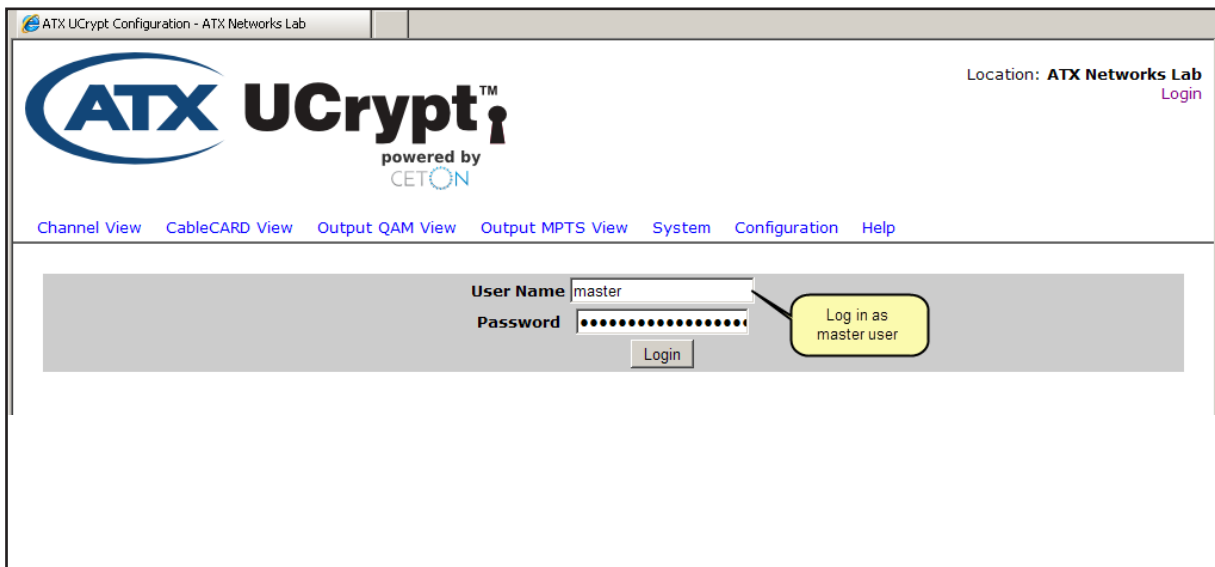
Enter the IP address of the UCrypt in the URL address bar. In our example: HTTPS://192.168.0.23

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

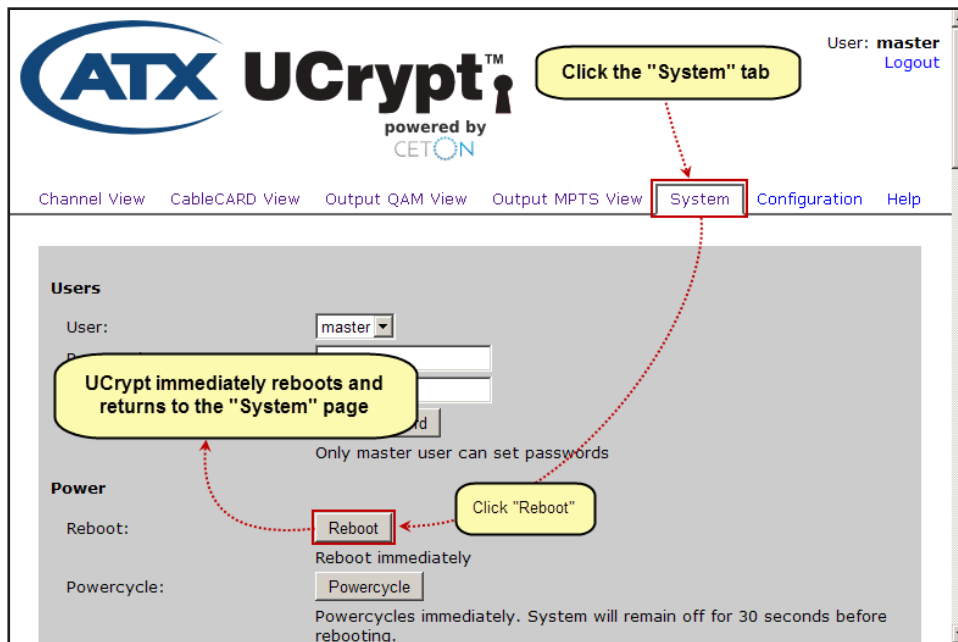
This step is optional but strongly recommended. It is not intended that there will be any change or loss to the UCrypt previously programmed configuration settings, but good practice dictates that a backup is prudent before firmware updates.

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

The screenshot illustrates the process of backing up configuration settings. The main interface has a navigation bar with tabs: Channel View, CableCARD View, Output QAM View, Output MPTS View, System, Configuration, and Help. The 'Configuration' tab is selected. The 'Export Channel Configuration' section contains a 'Download' button, which is highlighted with a red box and a callout: 'Click "Download"'. A 'File Download' dialog box is open, asking 'Do you want to open or save this file?' for 'UCrypt\_configuration.zip' (18.4KB). The 'Save' button is highlighted with a red box and a callout: 'Optionally, choose a folder. Otherwise file is saved in the browser's default download folder'. A 'Save As' dialog box is also open, showing the file being saved to the 'Downloads' folder. The 'File name' is 'UCrypt\_configuration lab.zip' and the 'Save as type' is 'zip Archive'. The 'Save' button is highlighted with a red box. A 'Download complete' dialog box is shown at the bottom, indicating the file was downloaded to 'C:\Document... \UCrypt\_configuration lab.zip' at a rate of 18.4KB/Sec. The 'Close' button is highlighted with a red box and a callout: 'Download is complete.'.

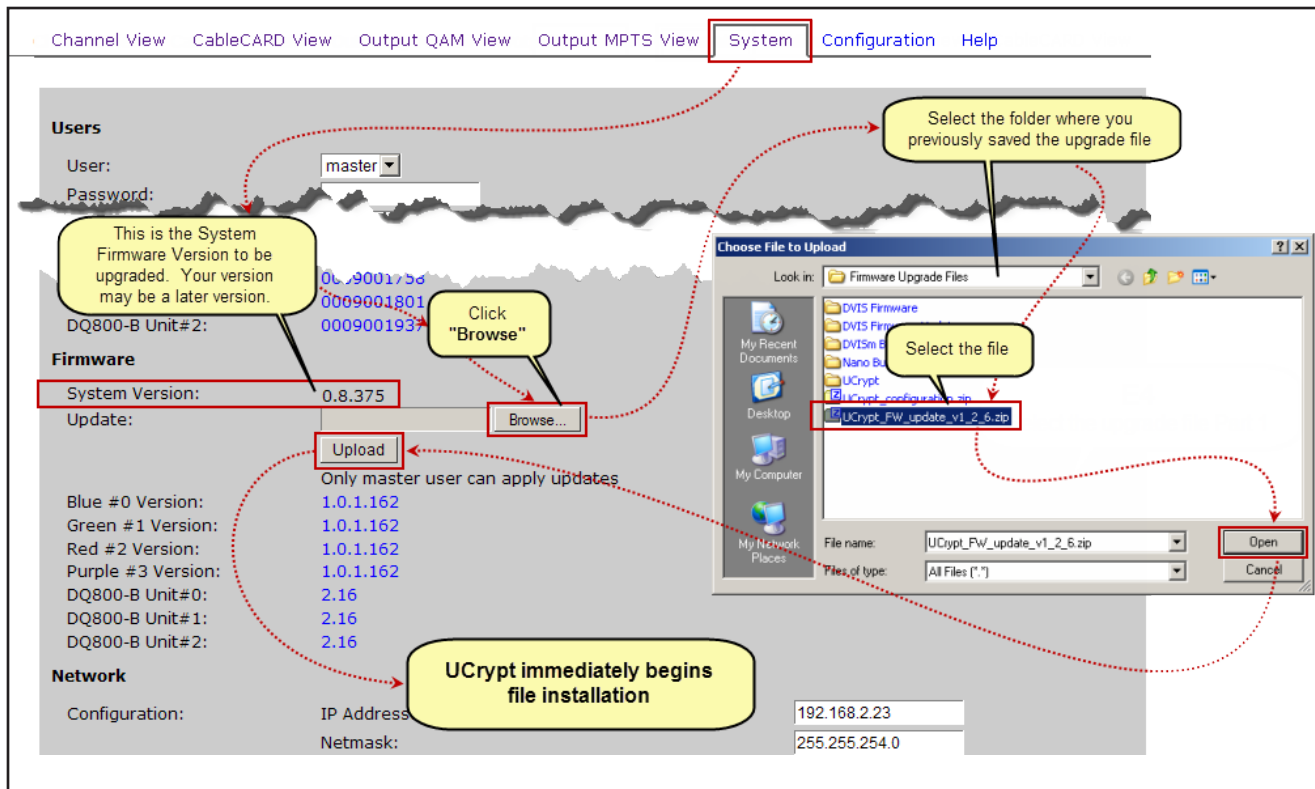
## Step E Firmware Update

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

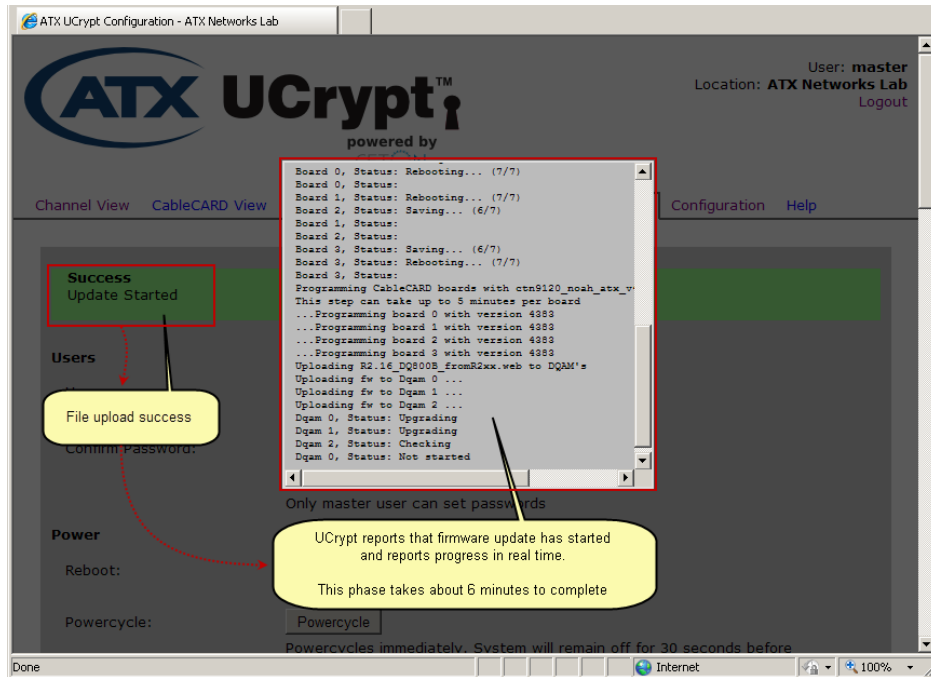


You are returned to the “System” page in about 1 minute.

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

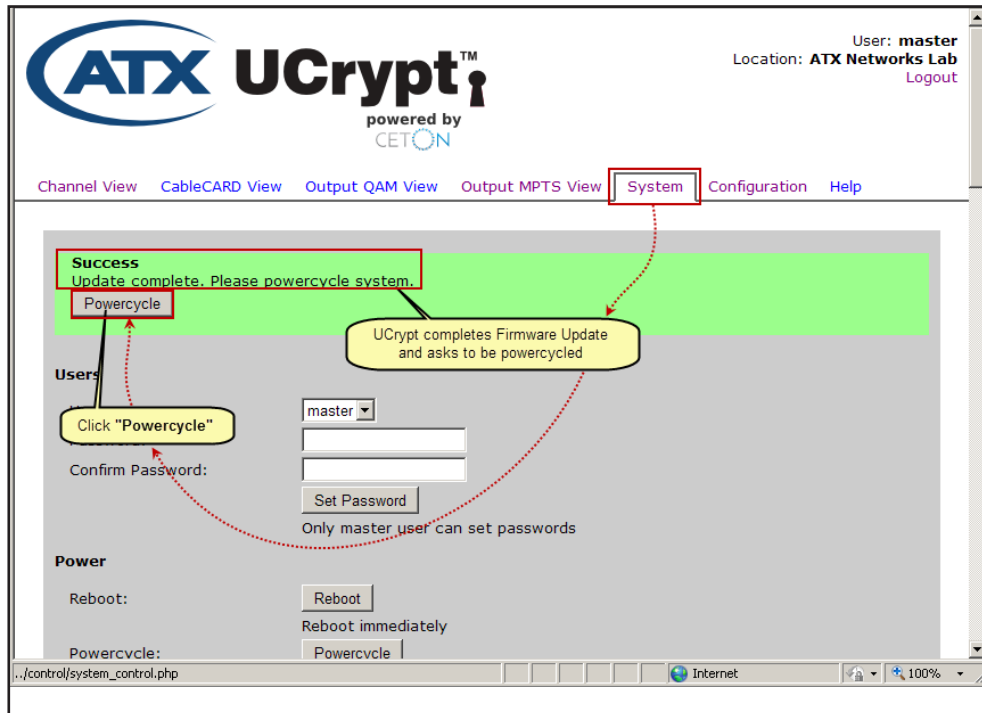


The UCrypt will upload the file and immediately begin file installation. The following page will be displayed in real time. This process should take about 6 minutes to complete.



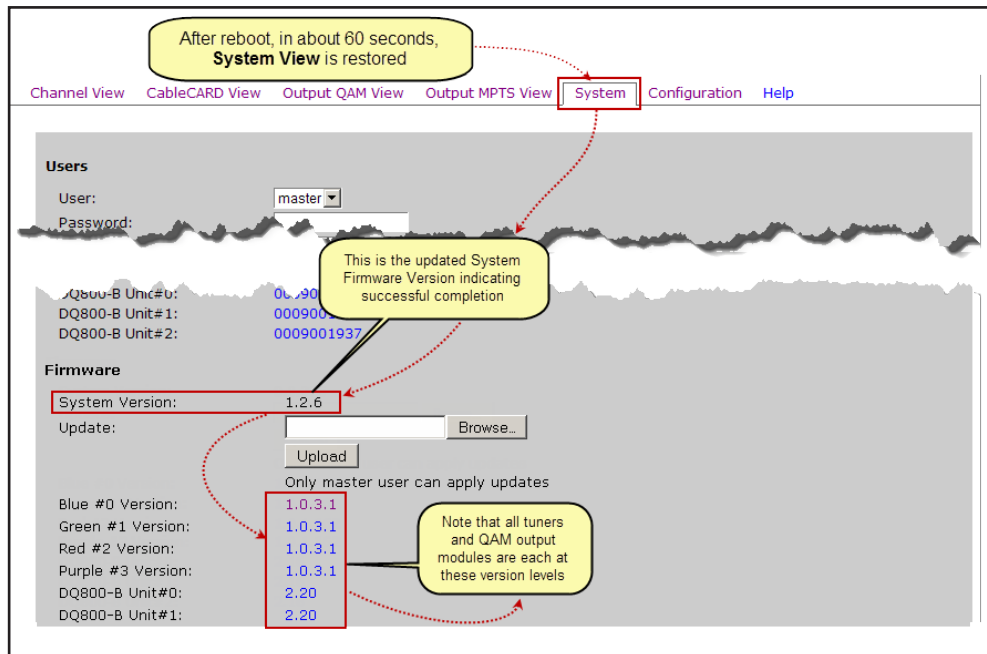
## Step F Reboot the UCrypt®

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](mailto:digitalvideosupport@atxnetworks.com)

#### CUSTOMER SERVICE

ATX Networks  
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](http://www.atxnetworks.com)  
E-mail: [support@atxnetworks.com](mailto: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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