

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.





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

😻 New Tab - Mozilla Firefox	
Eile Edit Yiew History Bookmarks Iools Help New Tab × +	
(c) 3 http://192.168.0.23	→ ☆ 自 🗢 ♣ 畲 💩 - 🖌 ☰
L Figure 3: Ente	r the IP Address

- 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.

8	There is a problem with this website's security certificate.
	The security certificate presented by this website has errors, and should not be trusted. Security certificate problems may indicate an attempt to fool you or intercept any data you send to the server.
	We recommend that you close this webpage and do not continue to this website.
	Click here to close this webpage.
[S Continue to this website (not recommended).
_	
	Figure 4: Continue to the Web Site

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.

	Channel View	CableCARD View	Output QAM View	Output MPTS View	System	Configuration	Help
Γ							
				User Name master		-6	
				Password •••••	Login	•••	
l		F	iaure 5: Loa in	as Master User			
		,	igure e. Log in				



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.

Channel View	CableCARD View	Output QAM View	Output MPTS View	System	Configuration Help
					(1)
Modify Ch	annel Configuratior	1			_
		Apply			
		Apply the saved con	figuration to the device.		
		Verify			
		Ensure all configurat	ion parameters are cor	isistent.	
Import Ch	annel Configuratior	1			
		Browse No file	selected.		
Import Cha	nnel Map	V			
Import Out	outs				
		Upload			
		Import all channel ar	nd output configuration	from a file.	
Export Ch	annel Configuratior	·			
		Download 🤈			
		Export all channer a	nd output configuration	for backup	or transfer.
	Figure 6:	Export Ch	annel Confi	iourati	ion

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.

Opening UCrypt_configuration.config
You have chosen to open: UCrypt_configuration.config
which is: config File (5.1 KB)
from: https://10.1.1.35
What should Firefox do with this file?
O Open with Browse
Save File
Do this automatically for files like this from now on.
OK Cancel
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.





- 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.

Channel View	CableCARD View	Output QAM View	Output MPTS View	System	Configuration
Firmware					
System V	/ersion:	3.1.6.2015.716.	2107		
Update:		Browse 5 Upload	le selected.		
		Only master use	r can apply updates		
Blue #0 ∨	/ersion:	13.4.22.157, 625	2		
Green #1	Version:	13.4.22.157,625	2		
	Figure	10: Click the	Browse Butt	on	

- 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.

🝓 File Upload	×
Good State Sta	✓ 4y Search ATX UCRYPT UPDATE
Organize 🔻 New folder	» · · · · •
A Downloads	↑ Downloads library ATX UCRYPT UPDATE Arrange by: Folder ▼
	Name
	7 🚹 ucrypt_update_3.2.1.2017.112.839.zip
ucrypt_update_v3_1_6_2015_716_2107.zip Date modified: 12/21/20151:36 PM ZIP File Size: 48.8 MB	Date created: 12/21/2015 1:35 PM
File name: ucrypt_update_3_2_1_2017_112_839.zip	All Files (*.*)
Figure 11: Select the F	irmware File

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

Firmware	
System Version:	3.1.6.2015.716.2107
Update:	Browse ucrypt_update_3_2_1_2017_112_839.zip
	10 Upload nly master user can apply updates
Blue #0 Version:	13.4.22.157, 6252
Green #1 Version:	13.4.22.157, 6252
	Figure 12: Click Upload

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.

	Crypt *	Success Update Started	
Channel View CableCARD Vi	ew Output QAM View Output MPTS Vi	iew System Configuration Help	
Users User: Password:	master 🔹	Update Progress Update Starting	*
	Figure 13: Update Star	ts and Reports Progress	

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.

License Must Be	Warning Accept license agreement to continue Accepted to use the software				
Product License					
	Software End User Licence Agreement				
Redistribution or Rental N	ot Permitted				
These Terms apply to the BY CLICKING THE ACC CONSENTING TO BE BO THE BUTTON INDICATIN	These Terms apply to the UCrypt Software (the " Product "). BY CLICKING THE ACCEPTANCE BUTTON OR INSTALLING OR USING THE PRODUCT THE INDIVIDUAL OR ENTITY LICENSING THE PRODUCT (" LICENSEE ") IS CONSENTING TO BE BOUND BY AND IS BECOMING A PARTY TO THIS AGREEMENT. IF LICENSEE DOES NOT AGREE TO ALL OF THE TERMS OF THIS AGREEMENT, THE BUTTON INDICATING NON-ACCEPTANCE MUST BE SELECTED, AND LICENSEE MUST NOT INSTALL OR USE THE SOFTWARE.				
1. Licence Agreement					
License Must Be /	Accepted to use the software				
I Accept The License	By clicking the button below you indicate that you accept the terms of the Product License above and the Licenses of any External Packages or Operating System packages as detailed below. You also certify that you have the right to accept such terms on behalf of any users to whom you grant access to the product.				
	Accept License 2				
	Accept license agreement to continue				
	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.

Channel View	CableCARD View	Output QAM View	Output MPTS View	System	Configuration
				1	
Firmware		2			
System \	/ersion:	3.2.1.2017.112.8	339		
Update:		Browse No	file selected.		
		Upload			
		Only master use	r can apply updates		
Blue #0 Version: 13.4.22.157, 6252					
Green #1	Version:	13.4.22.157, 625	2		
	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.

TECHNICAL SUPPORT

 Tel:
 289.204.7800 – press 1

 Toll-Free:
 866.YOUR.ATX (866.968.7289) USA & Canada only

 Email:
 support@atx.com

SALES ASSISTANCE

Tel:	289.204.7800 – press 2	
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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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ATX

 ATX Networks

 Tel: 289.204.7800
 | Toll-Free: 866.YOUR.ATX (866.968.7289)
 | support@atx.com

www.atx.com