

MDU Solutions[®] DVISm Mini Digital Video Insertion System RE-FLASHING PROCEDURE

BEFORE YOU BEGIN RE-FLASHING PROCEDURE:

- Read and understand every single instruction clearly before you start re-flashing the system
- Follow each step carefully!!!
- If possible, take records of your system configuration before re-flashing the system. You need the information to re-configure your system
- · Please understand that this procedure may take up to 20 minutes to complete
- 1. Download and save the Flash file from ATX Networks' website. Create a new folder on the Desktop of your host computer (either your laptop or desktop computer) and name the folder as "DVIS-dd-mm-year" (example: DVIS-14-04-2016) or you can choose a convenient name for the folder
 - From the ATX website (atxnetworks.com) download the files from the Resource & Support section, Software Downloads sub-section.
 - Select "Flash 4.22-3.21-10.54.zip from ATX Networks' website

Current Firmware Version is Between	Remote Upgrade	Flash Update
Older than 4.21-3.9-10.20	N/A	Flash 4.22-3.21-10.54.zip
Newer than 4.21-3.9-10.20	Remote 4.22-3.21- 10.54 Upgrade.zip	Flash 4.22-3.21-10.54.zip

New window will open and select "Save as" from the new window



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Save the file in the folder (DVIS-14-04-2016) which was created on the Desktop. Select "Open" and then select "Save" respectively





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Open the folder "DVIS-14-04-2016" and you will see the compressed .zip folder as shown below

				Jeaner D 113 14 04 2020			-
Organize • 👩 C	Ppen ▼ Share with ▼ Burn ▲ Name	New folder	Date modified	Ist.	Size	e	
Desktop	E Flash_4.22-3.21-10.54		12/04/2016 1:13 P	M Compressed (zipp		9,616	KB
Dropbox (ATX N							
Libraries							

Extract the .zip file. Right Click on the .zip file and select your tool to extract the files

	Open Open in new window		
	Extract All		
	7-Zip		Open archive
	CRC SHA	•	Open archive
	Scan for Viruses		Extract files
			Extract Here
0	Move to Dropbox (ATX Netv	vorks)	Extract to "Flash_4.22-3.21-10.54\"
	Open with	•	Test archive
	Share with Restore previous versions	•	Add to archive Compress and email Add to "Flash 4.22-3.21-10.54.zio.7z"
	Send to		Compress to "Flash_4.22-3.21-10.54.zip.7z" and email
	Cut Copy		Add to "Flash_4.22-3.21-10.54.zip.zip" Compress to "Flash_4.22-3.21-10.54.zip.zip" and email
	Create shortcut Delete Rename		
	Properties		

- After extraction is completed, you will see the new folder with the name "DVIS Flashing 10.54".
- When you open the folder "DVIS Flashing 10.54" you will see four files as below

Organize • Include i	library • Share with • Burn	New folder		
🚖 Favorites	Name	Date m	odified	Ту
E Desktop	📕 tftpd	18/06/2	2014 1:45 PM	File
Downloads	ANW1061 MDU_DVISm Re-flashi	ng Proc 19/10/2	2015 11:23	Ad
E Recent Places	flash_update.tgz	16/04/2	2014 5:02 PM	TG
Stopbox (ATX N	Start TFTP Server	20/02/2	2014 5:48 PM	Sh
词 Libraries 🖕				



NOTE: If you don't see all of the files (example:

file) do the following steps:

Select "Organize" -> select "Folder and search options" -> select "View" on the new window -> Select "Show hidden files, folders, and drives"

2. After downloading the files from ATX Networks' website, your host computer network adapter must be set as below: IP address: 192.168.0.55

Subnet: 255.255.255.0

NOTE: The DVISm expects the TFTP server to be located at 192.168.0.55.

 Start the TFTP Server by double clicking the "Start TFTP Server" shortcut. A command window and the TFTP application should both open.
 NOTE: An error message will be shown if your host computer IP address was not set to 192.168.0.55.

ernet Protocol Version 4 (TCP/IPv4) Properties
General	
You can get IP settings assigned auto this capability. Otherwise, you need to for the appropriate IP settings.	omatically if your network supports to ask your network administrator
Obtain an IP address automatica	ally
• Use the following IP address:	
IP address:	192.168.0.55
Subnet mask:	255.255.255.0
Default gateway:	
Obtain DNS server address auto	omatically
• Use the following DNS server ad	dresses:
Preferred DNS server:	
Alternate DNS server:	· · ·
Validate settings upon exit	Advanced
	OK Cancel



4. If "tftpd32" is configured correctly, the server should look like below. The "Server interface" must be **192.168.0.55 or you can** use "drop-down" key to select the IP address.

🏘 Tftpd32 by Ph	Jounin			- 🗆 💌 X
Current Directory	C:\TFTP-Root		•	Browse
Server interfaces	192.168.0.55	Intel(R) 8257	'9LM 👻	Show Dir
Tftp Server Log	viewer			
peer	file	start time	progress	bytes
•	m			Þ
	1	o: 1		
About		Settings		нер

Current Directory	C:\TFTP\Root	•	Browse
Server interfaces	10.20.0.158	Intel(R) Du	Show Di
The Server Log	169.254.122.180	Microsoft V	
000	169.254.176.25	Microsoft V	-
	163.254.197.181	Bluetooth C	
	169.254.255.165	TAP-Windo	
	192.168.0.55	IntelFi1E# +	

NOTE: Two files for flashing (*bootpart.bin_10_54 and jffsImage.bin_10_54*) will be saved automatically in the current directory. You can make sure by clicking on "Show Dir" button.



Curren	t Directory	C:\TFTP-B	oot	*	Browse
Serve	r interfaces	192.168.0.9	55 Intel(R) Eth 💌	Show D
TI	Tftpd32	directory			×)
	bootpart.bi jffslmage.b	n_10_54 in_10_54	12/04/2016 12/04/2016	840404 848372	4 28
•	Close	_	Copy	Evolo	rer 1

If you don't see both files in the directory, follow the steps to change the current directory:

Click on "Browse" -> Select "Desktop" on new window (browse for folder) -> Select "DVIS-14-04-2016" -> Select "DVIS Flashing 10.54" -> Select "tftpd" and then select "OK".

urrent Directory	🏘 Browse For Folder	Browse Show Dir
ftp Server Log v		total timeo
About	v thed	Help

Make sure by clicking on "Show Dir" button again and you will see both files.

- 5. Re-flashing the system: Log into the DVISm GUI at http://192.168.0.23/site.
 - Select the "DVIS Update" tab to re-flash system.
 - Click on the "Browse" button
 - Chose the file "flash_update.tgz" from the folder where we saved the files from the ATX website. Refer to the highlighted
 area in the picture shown below.
 - Click on the "Update" button

L VALUES, INCLUDING OUTPUT Browse Update Trife to Upload Update DVS:14:04-2016 • DVIS Flashing 10:54 • • New Folder ontes	for a second Diver Floating The second Diver Floating The Second Float Tree	2054 P
Browse. Update File to Upload DV5:14:04:2016 • DV5 Flashing 10:54 • • New Folder ontes	• • • • • • • • • • • • • • • • • • •	
Update File to Upload • 0/05514-04-3056 • DVIS Flashing 10.54 • • New folder ontesName	• • • • • • • • • • • • • • • • • • •	
File to Upload File to Upload File to Upload New folder Name Name	• • • • • • • • • • • • • • • • • • •	20.54 P
DVIS-14-04-2016 + DVIS Flashing 10.54 + New folder New folder		
e = New folder pritesName	Date modified Type	CII 00
orites Name	Date modified Type	110011
esktop thpd	18/06/2014 1:45 PM File folder	5428
exervicadă a la l	16.94/2014 Sol2 PM TO2 File	16
	eeer Pice opder (ATX Na nrise convents unic turies dees - c File name: Teah, update.tgs	Annound and a second se

NOTE: You can monitor the activity of the transferring files by selecting "Log Viewer" from your tftpd32 window.



		1		
Current Directory C:\TFTP-Root	 Browse 	Current Directory	C:\TFTP-Root	Browse
Server interfaces 192.168.0.55	Intel(R) Eth Show Dir	Server interfaces	192.168.0.55 Intel[R) Eth - Show Dir
Tito Server Log viewer		Titp Server	2 viewer	
 iffs/mage.bin_10_54 to 192.168.0 File size : 8483728 6512640 Bytes sent 651264 Bytes/s 0ACK: doi:10.1016/j.com 0ACK: <a a="" doi:0.0016="" href="https://doi.org/10.1016/j.com" j.com<=""> 0ACK: <a href="https://doi.or</td><td>et [12/04 17:15:38:530] et [12/04 17:15:38:530] n 1 s. 0 bik resent [12/0 [12/04 17:16:56:961] ret [12/04 17:16:56:971]</td><td>Connection receive Read request for OACK: citmeout- Using local port 5 Coontection receive Read request for OACK: citmeout- Using local port 5 ciftsImage.bin_10</td><td>Wed from 152 168:023 on port 108 Ne (bootpart bin, 10, 54). Mode of 55 (12/04 17:15/38/530) [54): sent 1642 biks, 840404 byte wed from 152 168:023 on port 215 Ne (#falmage bin, 10, 54). Mode (55) [12/04 17:16:56, 971] [7843 [12/04 17:16:56, 971] [7843 [12/04 17:16:56, 971] [945]: sent 16570 biks, 8483728 t</td><td>13(12/04 17:15:38:530) is in 1 : 0 bit resent [12/0 22(12/04 17:16:56:361) octet [12/04 17:16:56:371] bytes in 13 : 0 bit resent]</td>	et [12/04 17:15:38:530] et [12/04 17:15:38:530] n 1 s. 0 bik resent [12/0 [12/04 17:16:56:961] ret [12/04 17:16:56:971]	Connection receive Read request for OACK: citmeout- Using local port 5 Coontection receive Read request for OACK: citmeout- Using local port 5 ciftsImage.bin_10	Wed from 152 168:023 on port 108 Ne (bootpart bin, 10, 54). Mode of 55 (12/04 17:15/38/530) [54): sent 1642 biks, 840404 byte wed from 152 168:023 on port 215 Ne (#falmage bin, 10, 54). Mode (55) [12/04 17:16:56, 971] [7843 [12/04 17:16:56, 971] [7843 [12/04 17:16:56, 971] [945]: sent 16570 biks, 8483728 t	13(12/04 17:15:38:530) is in 1 : 0 bit resent [12/0 22(12/04 17:16:56:361) octet [12/04 17:16:56:371] bytes in 13 : 0 bit resent]
×	•	Clear L Corr	- II.	*
ClearCopy		Copy		
About Settings	Help	About	Settings	Help

NOTE: If you can't connect with your system (example: no communication between the system and host computer due to unknown IP address of the system) follow these steps below:

- Remove the sticker which covers the "Reset" button
- · Push yhe button with a small screw driver and hold it until the both fans turn OFF
- Wait until the system starts up again
- Log into the DVISm GUI at <u>http://192.168.0.23/site</u>.
- You will see "DVIS Recovery" window as shown below

(ar)
lery
Browse
Update

- Click on the "Browse" button
- Choose the file "flash_update.tgz" from the folder where we saved the files from ATX Networks' website.
- Click on the "Update" button

Once the flashing process has been completed, the DVISm will automatically reboot and both fans will start working again.

IMPORTANT NOTES:

- · As soon as you click on the "Update" button, both fans stop working after few seconds
- The entire flashing process will take approximately 6-18 minutes. During this process, power is not removed from the system.
- Once the flashing process has been completed, the DVISm will automatically reboot and both fans will start again.
- After re-flashing the system, all settings will have returned to default values. You should log into the GUI at http://192.168.0.23/site to re-configure the DVISm.

ATX

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:
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 Toll-Free:
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 Email:
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Web:	www.atx.com

Warranty Information

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

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