

How to change the Firmware of the DL4500 from Standard Tunnel DF1 to Multi Master DF1.

Start the Device installer:

Click on search

It will come up with the DL4500 as shown in the screen shot below.

👺 Lantronix DeviceInstaller 4.2	2.0.3					
<u>File Edit View D</u> evice <u>T</u> oo						
🔎 Search 🤤 Exclude 🔌 Assign If	22 1787-74					
🖃 🚛 Lantronix Devices - 1 device(s)	Туре	Name	Group	IP Address	Hardware Address	Status
B tocal Area Connection (19:	UDS-10/Cobox-FL IAP Standard Tunnel			192.168.2.52	00-20-4A-03-C9-EE	Online
<	<					>
Ready						

Click on the UDS-10/Cobox-FL IAP DF1 Standard Tunnel to highlight the unit click on upgrade button.

👺 Lantronix DeviceInstaller 4.2	2.0.3					
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🔑 Search 🛛 🤤 Exclude 🛛 🗞 Assign I	P 🚱 Upgrade					
 □ □ □ Lantronix Devices - 1 device(s) □ □ □ □ □ Local Area Connection (19: □ □ □ UDS 	Туре	Name	Group	IP Address	Hardware Address	Status
	UDS-10/Cobox-FL IAP Standard Tunnel			192.168.2.52	00-20-4A-03-C9-EE	Online
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< >						
🔽 Ready						

It will come up with a new window as shown below. Click on Next

🎄 Device Upgrade Wizard - Step 1	of 5	X
	This wizard helps install firmware, applications, web pages, and other configuration settings.	
14 00 7 J	 Create a custom installation by specifying individual files (Typical) 	
	◯ Use a specific installation file (LXI) (previously saved by user)	
	Browse	_
	To continue, click Next.	
	< Back Next > Cancel Help	

It will come up with a new window as shown below. Click on Brows

🎄 Device Upgrade Wizard - Step 2	of 5	×
	Select the firmware ROM file to use or leave blank to keep the existing firmware. Firmware (ROM. SYS, SPB & GZ) File: Browse Intermediate Firmware File Needed? (not usually) Browse Would you like to check the Lantronix Website for the latest firmware files? Lantronix Website To continue, click Next.	
	< Back Next> Cancel Help	

Select the .rom file that you want it to be upgraded to as shown in the next screen shot.

Select a ROM, S	YS, SPB or GZ	Firmware File			? 🔀
Look jn:	🚞 lantronix FW		O Ø	📂 🛄 •	
My Recent Documents Desktop	Amlx211.rom AQLX520.ROM				
My Documents					
My Computer					
S	File <u>n</u> ame:	DF1 Multi-master ad0100.rom			<u>O</u> pen
My Network	Files of type:	Supported Firmware Files (*.ron	n,*.romz,*.gz)	~	Cancel

Then click open. After selecting the required file click on Next.

🞄 Device Upgrade Wizard - Step 2	of 5 🛛 🗙
	Select the firmware ROM file to use or leave blank to keep the existing firmware. Firmware (ROM. SYS, SPB & G2) File: C:\Documents and Settings\WEW\My Documents\My Downloads\Lantronix\lantronix FW\DF1 Multi-master ad0: Browse Intermediate Firmware File Needed? (not usually) Browse Would you like to check the Lantronix Website for the latest firmware files? Lantronix Website To continue, click Next.
	< Back Next > Cancel Help

Click on Next

🎄 Device Upgrade Wizard - Step 3	of 5	×
	You may copy other files over to the device.	
	● No other files to install (typical)	
MEAT	O Install files individually	
	◯ Install files contained in COB partitions	
	O Install setup records from a file	_
	Browse	_
Ļ	To continue, click Next.	
	< Back Next > Cancel Help	

Here Click on Next.



Click on Next it will upgrade your Lantronix Firmware in the DL4500 and come up with the window shown below. Click on Close and you are done with upgrading the Lantronix Firmware.

🎄 Device Upgrade Wizard - Step 5	of 5		<
	The installation completed succesfully. Cl [192.168.2.52 00-20-4A-03-C9-EE] [192.168.2.52 00-20-4A-03-C9-EE]	2 Succeeded Update firmware (DF1 Multi-master ad	
	< Back Next >	Close Help	

Lantronix DeviceInstaller 4.2	2.0.3			<u> </u>			
<u>File Edit View D</u> evice <u>T</u> oo	an Matan						
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□ Intronix Devices - 1 device(s) □ generative Local Area Connection (19)	Туре		Name	Group	IP Address	Hardware Address	Status
	WDS-10/Cobox-FL IAP DF1 Mult	i-Master			192.168.2.52	00-20-4A-03-C9-EE	Online
< >							
Ready							
	highlighted hlue		Cahar				
Double click on the		UDS-10.	CODOX	••			
Lantronix DeviceInstaller 4.2	AN INCOME.						
<u>File Edit View Device Too</u>							
PSearch 🤤 Exclude 😒 Assign IF							
🖃 🚂 Lantronix Devices - 1 device(s)	Device Details Web Configuration	n 🛛 Telnet Configur	ation				
😑 🍰 Local Area Connection (19:	🧬 Reload Details						
📄 🦇 UDS-10/Cobox-FL :	Property	Value					
	Name						
	Group						
	Comments Device Family	UDS					
		UDS-10/Cobox-Fl	L IAP DF1 Multi-M	laster			
	ID	AD					
	Hardware Address Firmware Version	00-20-4A-03-C9- 1.0	EE				
	Online Status	Online					
	IP Address	192.168.2.52					
	IP Address was Obtained	Statically 255.255.255.0					
	Subnet Mask Gateway	192.168.2.1					
	Number of COB partitions supp	6					
	Musch an of Dauka	2					
	Number of Ports						
	TCP Keepalive	45					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers	45 True True					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers Telnet Enabled	45 True True True					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers Telnet Enabled Telnet Port	45 True True True 9999					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers Telnet Enabled	45 True True True					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers Teinet Enabled Teinet Port Web Enabled Web Port Maximum Baud Rate Supported	45 True True 9999 True 80 115200					
	TCP Keepalive Supports Configurable Pins Supports Email Triggers Telnet Enabled Telnet Port Web Enabled Web Port	45 True True 9999 True 80					
Ready	TCP Keepalive Supports Configurable Pins Supports Email Triggers Teinet Enabled Teinet Port Web Enabled Web Port Maximum Baud Rate Supported	45 True True 9999 True 80 115200					

Now you need to Telnet to the unit, click on search so that you find the new Multi Master

Now click on Telnet Configuration.

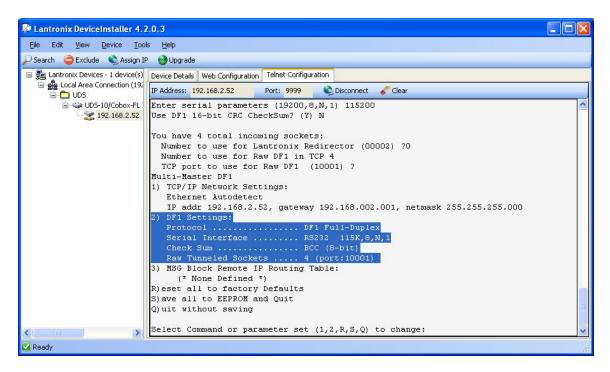
🐺 Lantronix DeviceInstaller 4.2.	0.3	
<u>File Edit View D</u> evice <u>T</u> ools	Help	
🔎 Search 🛛 🤤 Exclude 🛛 🗞 Assign IP	🚱 Upgrade	
Lantronix Devices - 1 device(s)	Device Details Web Configuration Telnet Configuration	
Eccal Area Connection (192.1	IP Address: 192.168.2.53 Port: 9999 🛇 Connect 🎸 Clear	
😑 🦇 UDS-10/Cobox-FL IA		-
		2
K National Action (1997)		
in noug		-3

Here you click on Connect

Once you see the message PRESS ENTER to go to setup mode Please press it right away do not wait, you will see the menu from Telnet as shown below, type R to restore to factory settings.

🐉 Lantronix DeviceInstaller 4.2.0.3	\mathbf{X}
<u>File Edit View Device Tools H</u> elp	
🔎 Search 👙 Exclude 🔌 Assign IP 🚱 Upgrade	
🖂 😓 Lantronix Devices - 1 device(s) Device Details Web Configuration Telnet Configuration	
E See Local Area Connection (19)	
□	^
Press Enter to go into Setup Mode	-
Model: Device Server Plus+! (Firmware Code:AD)	
Multi-Master DF1	
1) TCP/IP Network Settings:	
Ethernet Autodetect	
IP addr 192.168.2.52, gateway 192.168.002.001, netmask 255.255.255.000 2) DF1 Settings:	
Protocol DF1 Full-Duplex	
Serial Interface R5232 19200,8,N,1	
Check Sum CRC (16-bit)	
Redirector Sockets 2 (port:03001)	
Raw Tunneled Sockets 2 (port:10001) 3) MSG Block Remote IP Routing Table:	
(* None Defined *)	
R)eset all to factory Defaults	
S) ave all to EEPROM and Quit	
Q) uit without saving	
Select Command or parameter set (1,2,R,S,Q) to change:	~
V Ready	.ai

Then type 2 to change the Channel DF1 settings make sure they are as shown highlighted below.



Now type S to save and exit Here you are done with Device installer.

Now close all that, and using a Null Modem Cable connect the DB9 connector of the DL4500 to your PC serial port, start the DL32 configuration software.



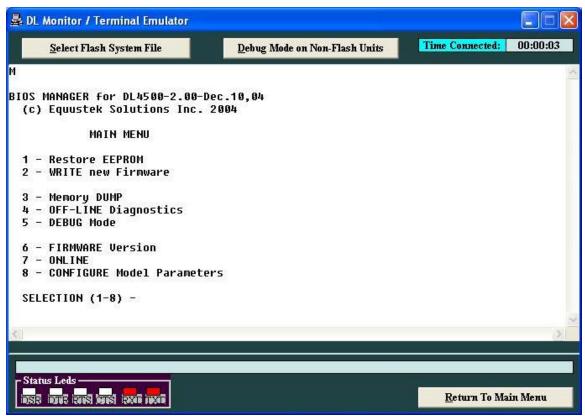
Select the DL4500

DL32 - Windows 32-bit Pa	rameter Configuration Progra	m	_	
DL32 Conf	iguration Program M	Iain Mem	1	
DL32 is now set to con	nmunicate with the DL4500 via CO	OM:	NONE	
Online Operating Parame	ters		NONE COM1	
<u>C</u> onfigure/Open File	Download FROM File	<u>U</u> pload T	COM2 COM3 COM4	
DataLink Testing Tools-			COM5 COM6	
	DL Off-line Manager		COM6 COM7	
Exit DL32	Ĩ	Return to Produ	ct Selec	tion

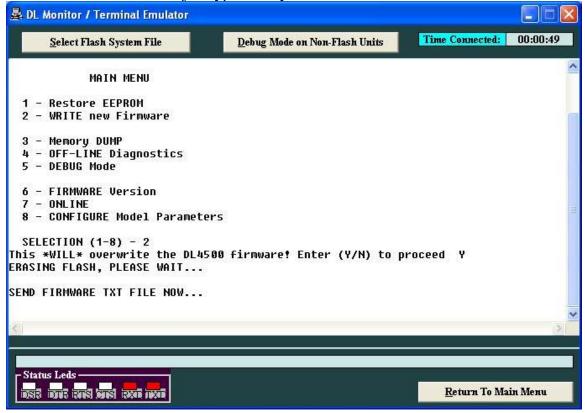
Select the serial port that is connected to the DL4500 DB9 connector. And then click on DL OFFLINE Manager

💂 DL32 - Windows 32-bit Parameter Configuration Program 📃 🗖 🔀						
DL32 Configuration Program Main Menu						
DL32 is now set to communicate with the DL4500 via COM:						
Conline Operating Parameters						
<u>C</u> onfigure/Open File	Download FROM File	<u>U</u> pload TO File				
DataLink Testing Tools						
<u>D</u> L Off-line Manager						
Exit DL32		Return to Product Selection				

It will ask you to hit the configuration button of the DL4500 do so and click Ok



You should get the menu as shown above type 2 for new firmware. It will ask for confirmation just type Y for yes.



Send Flash System Text File					
Look jn:	🔁 DH+		•	← 1 1 1	
My Recent Documents Desktop My Documents My Documents	Contemporary Previous Version EDH+(MM)-11 EDH+(ST)-111 MEDH+-111-1	1-104107.txt -104100.txt			
	File <u>n</u> ame:	EDH+(MM)-111-104107.txt		•	<u>O</u> pen
My Network	Files of type:	Flash Text Files (*.TXT)		•	Cancel
Places		C Open as read-only			

Here you need to send the file, so click on Select Flash System File on top left.

Select the .txt file that was emailed to you. And wait until you see A OK FLASH Updated as shown below



Just make sure that you have the right firmware by typing 6 it should show you the version as you can see it above.

Reset the unit using the RESET Switch and now your unit is set to use the new upgraded Firmware.