

The Lantronix UDS1100 sold by DSX can be programmed through a serial connection or through a network connection using the Device Installer software that can be download from Lantronix here: https://ts.lantronix.com/ftp/DeviceInstaller/Lantronix/4.4/4.4.0.7/Installers/SingleInstallFiles/DeviceInstaller-4407-SA.zip

Use these instructions for programming the unit to be used with DSX.

- 1. Install Lantronix Device Installer
- 2. Select language
- 3. Click Install, Click Next
- 4. Select Installation location folder
- 5. Confirm Install.
- 6. Install complete Close, Click ok
- 7. Launch the Device Installer app
- 8. Click search icon

2 Lantronix DeviceInstaller 4.4.0.7						-		×
File Edit View Device Tools	Help Assime ID							
Section Controls Controls Section Control	Anggine Manne 输出DOS1100	User Name	User Group	IP Address 169.254.36.51	Hardware Address 00-80-A3-FB-43-5A	Status Unreachable	,	

9. Click on discovered device

Lantronix DeviceInstaller 4.4.0.7			-	×
File Edit View Device Tools Help				
Search 🔅 Options 🖨 Exclude 🛸 Assign IP 🧉	Upgrade 🚳 Import Provisioning File 🕅 Ger	nerate Device File		
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🖹 🖨 UDS	•			
	Property	Value		_
	Name	UDS1100		
	DHCP Device Name			
	Group			
	Comments			
	Device Family	UDS		
	Туре	UDS1100		
	ID	U3		
	Hardware Address	00-80-A3-FB-43-5A		
	Firmware Version	7.0		
	Extended Firmware Version	7.0.0.3		
	Online Status	Unreachable		
	IP Address	169.254.36.51		
	IP Address was Obtained	Dynamically		
	Obtain via DHCP	True		
	Obtain via BOOTP	True		
	Obtain via RARP	False		
	Obtain via Auto IP	True		
	Subnet Mask	255.255.0.0		
	Gateway	0.0.0.0		
	Number of COB partitions supported	19		
	Number of Serial Ports	1		
	TCP Keepalive	45		
	Telnet Supported	True		
	Telnet Port	9999		
	Web Port	80		
	Maximum Baud Rate Supported	230400		
	Plana Bandata	Term	_	>
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10. Click the telnet tab

11. Click connect



12. Click Enter for setup mode

😢 Lar	ntronix	DeviceIn	staller 4.4.	0.7					
File	Edit	View	Device	Tools	Help				
🔎 Sear	ch 🌐	Option	s 🤤 Excl	ude 🔇	Assign IP	🔕 Upgrade 🛛 🚳 Imp	ort Provisioning	File 📧 Generate 🛙	Device File
	Lantroni	x Devices	s - 1 device	(s)	Device Info	Configuration Records	Status Records	Web Configuration	Telnet Configuration
	📸 Ethe	ernet (192 UDS	. 168. 1. 3)		IP Address:	169.254.36.51	Port: 9999	📚 Disconnect	🎸 Clear
		UDS UDS 2	1100 - firmw 69.254.36.5	vare v7.0 51	<pre>IP Address: *** Lan Serial i Device : Softwar Press E: *** bas Hardwar IP addm DNS Ser Telnet : DHCP dev SNMF is</pre>	199243.651 tronix UDS1100 Number NAC ac tronix UDS100 tronix UDS100 tronix VTC e version V7.0 nter for Setup ic parameters : Ethernet TP1 - 0.0.0.0/DEC ver not set outfig password vice name : not DN option: Diss urity	Port: 9999 Device Seri diress 0080 %CTEOLAKXBI 0.3 (21071- Mode //BOOTP/Auto l set : set . set . bbled disab:	Disconnect Per *** ASTB435A KO2RI92SJHF a) DIP, no gatew Led	er Clear
					Telnet : TFTP Do	Setup is wnload is	enable enable	ed ed	
					Port 77	FEh is	enable	ed	
					77FEh A	ccess Mode is	Read (& Write	
					Web Set	up is	enable	≥d	
					ECHO is		disab.	Led	
					Enhance	d Password is	enable	ed La d	
					Ternet 1	Authentication	is disab.	lea	
					*** Cha	nnel l			
					Baudrat	e 9600, I/F Mod	le 4C, Flow	00	
					Connect	Mode : CC			
					Datagra	m Type 01			
					Pack Cn	trl: 00			
1				>	Remote	IP Adr: 192.168	1.1.3, Port	04001	
< Read	lv			>	Remote	IP Adr: 192.168	3.1.3, Port	04001	

13. Setup mode appears with information (part 2 if scrolled down)

2 Lantronix DeviceInstaller 4.4.0.7			
File Edit View Device Tools Help			
🔎 Search 🛭 🗯 Options 🤤 Exclude 🔌 Assign IP 🛛 🍪 Upgrade 🛛 🛽 Ir	nport Provisioning File	Generate D	evice File
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Ethemet (192.168.1.3)	Port: 9999	Disconnect	🎸 Clear
Port 77FEh is 77FEh Access Mode is Web Server is Web Server is Web Setup is ECHO is Enhanced Password is Teinet Authenticatio *** (Channel 1 Baudrate 9600, I/F M Port 04001 Connect Mode : CC Datagram Type 01 Pack Cntrl: 00 Remote IP Adr: 192.1	enabled Read & W enabled enabled disabled nis disabled ode 4C, Flow 00 68.1.3, Port 04	/rite	-
*** Expert TCF Keepalive : 4 ARF cache timeout: 6 Monitor Mode @ bootu HTTF Port Number : 8 MTU Size: 1400 TCF Re-transmission Alternate MAC: disab Ethernet connection Change Setup: 0 Server	5s 00s p : enabled 0 timeout: 500 ms led type: auto-nego	tiate	
<pre>1 Channel 1 5 Expert 6 Security 7 Defaults 8 Exit without sav 9 Save and exit </pre>	e Your c	boice ?	
🖌 Ready			

14. Type zero to enter setup mode

File E	dit View	Device	Tools	Help	
Search	Option	s 🤤 Excl	ude 🔇	Assign IP 👩 Upgrade 🛛 🚳 Import Provisioning File 📧 Generate Device File	
⊡-∰g Lar	tronix Device	s - 1 device	(s)	Device Info Configuration Records Status Records Web Configuration Telnet Config	uration
÷.	Ethernet (192	2.168.1.3)		IP Address: 169.254.36.51 Port: 9999 🔇 Disconnect 🞸 Clear	
<u> </u>	🚊 🕪 UDS	1100 - firmw	/are v7.0	Port 77FEh is enabled	
	21	69.254.36.	51	77FEh Access Mode is Read & Write	
				Web Server is enabled	
				Web Setup 1s enabled	
				Echo 15 disabled	
				Telnet Authentication is disabled	
				*** Channel 1	
				Baudrate 9600, I/F Mode 4C, Flow 00	
				Port 04001	
				Connect Mode : CC	
				Datagram Type 01	
				Pack Cntrl: 00	
				Remote 1P Adr: 192.165.1.5, Fort 04001	
				*** Expert	
				TCP Keepalive : 45s	
				Monitor Mode & hootup : enabled	
				HTTP Port Number : 80	
				MTU Size: 1400	
				TCP Re-transmission timeout: 500 ms	
				Alternate MAC: disabled	
				Ethernet connection type: auto-negotiate	
				Change Setup:	
				0 Server	
				1 Channel 1	
				5 Expert	
				7 Defaulte	
				8 Exit without save	
				9 Save and exit Your choice ? 0	
<			>		

15. Assign an IP address for the Lantronix device and Type (.) to separate each octet then press enter for next line.

File	Edit	View	Device	Tools	Help				
Sear	ch ©	Options	Excl	lude 🔇	Assign IP	🔕 Upgrade 🛛 🚳 Imj	port Provisioning	File 📧 Generate I	Device File
	Lantron	x Devices	- 1 device	e(s)	Device Info	Configuration Records	Status Records	Web Configuration	Telnet Configuratio
÷	💑 Eth	ernet (192	.168.1.3)		IP Address:	169.254.36.51	Port: 9999	📚 Disconnect	Clear
		cia UDS1	100 - firmv	vare v7.0	Web Ser	ver is	enable	ed .	
		Se 10	69.254.36.	51	Web Set	up is	enable	ed	
				_	ECHO is	•	disabl	Led	
					Enhance	d Password is	enable	ed	
					Telnet :	Authentication	is disabl	Led	
					*** Cha	nnel l			
					Baudrat	e 9600, I/F Mo	de 4C, Flow	00	
					Port 04	001			
					Connect	Mode : CC			
					Datagra	m Type of			
					Parote	TP Adr. 192 16	8 1 3 Port	04001	
							,		
					TCD Koo	ert Soliwo 45	_		
					APP cac	palive : 45: be timeout: 60	s Ne		
					Monitor	Mode @ bootup	: enabled		
					HTTP Po	rt Number : 80			
					MTU Siz	e: 1400			
					TCP Re-	transmission t	imeout: 500	ms	
					Alterna	te MAC: disable	ed		
					Etherne	t connection t	ype: auto-ne	egotiate	
					Change	Setup:			
					0 Ser	ver			
					1 Cha	nnel l			
					5 Exp	ert			
					6 Sec	urity			
					7 Def	aults			
					8 Exi	t without save			
					9 Sav	e and exit	You	r choice ? O	
					TD Addm		2 (000) 169	(000) 1 (000	v al

- 16. Type (Y) to set the gateway address for the Lantronix UDS 1100
- 17. Enter the gateway address and type (.) to separate each octet then press enter after last octet.
- 18. Use the Chart to determine Netmask. Enter 8, 16 or 24. Then press enter.

Netmask Chart

- Class A = 24 (255.0.0.0) Class B = 16 (255.255.0.0) Class C = 8 (255.255.255.0)
- 19. Set the DNS or if not applicable press enter.

20. If you wish to change the Telnet/ Web manager Password Type Y and press enter. Enter New Password

File Edit Vie	w Device	Tools	Help				
Search 😳 Opt	ions 🤤 Exc	lude 🔇	Assign IP	🔕 Upgrade 🛛 🚳 Imp	ort Provisioning	File 🗹 Generate [Device File
Lantronix Dev	rices - 1 device	e(s)	Device Info	Configuration Records	Status Records	Web Configuration	Telnet Configuration
	(132.100.1.3)		IP Address:	169.254.36.51	Port: 9999	📚 Disconnect	🎸 Clear
i - uus i - ≪ UDS1100 - firmware v7.0 i - ∰ 169.254.36.51			*** Char Baudrate Port 040 Connect Datagram Pack Cht Remote 1 *** Expe TCP Keep ARP cach Monitor	<pre>inel 1 i \$9600, I/F Mod 00 Mode : CC a Type 01 rrl: 00 IP Adr: 192.168 ert salive : 45s t timeout: 600 Mode @ bootup</pre>	e 4C, Flow .1.3, Fort s : enabled	00	
			HTTP Por MTU Size TCP Re-t Alternat	rt Number : 80 2: 1400 2: ransmission ti 2: MAC: disable 2: connection ty	meout: 500 d	ms	
			Change S O Serv 1 Char 5 Expe 6 Secu 7 Defa 8 Exit 9 Save	Setup: ver inel 1 ert irity aults ; without save and exit	Your	c choice ? 0	
			IP Addre Set Gate Gateway Netmask: Set DNS	ess : (000) 192 way IP Address IP addr (000) Number of Bit Server IP addr Celnet (Web Mana	.(000) 168. (N) ? Y 192.(000) 1 s for Host (N) ? N	.(000) 1.(000 168.(000) 1.(Part (0=defa) 2 000) 1 ult) (0) 8

21. Type 9 and enter to save and exit settings.

2 Lantronix DeviceInstaller 4.4.0.7	
File Edit View Device Tools	Help
🔎 Search 🛛 Options 🤤 Exclude 🔇	🛦 Assign IP 🛛 🚳 Upgrade 🛛 🚳 Import Provisioning File 📧 Generate Device File
Lantronix Devices - 1 device(s)	Device Info Configuration Records Status Records Web Configuration Telnet Configuration
Ethemet (192.168.1.3)	IP Address: 169.254.36.51 Port: 9999 🚯 Disconnect 🞸 Clear
G 42 UDS1100 -fmware v70	TCP Keepalive : 45s ARP cache timeout: 600s Monitor Mode 0 bootup : enabled HTTP Port Number : 80 HTT Size: 1400 TCP Re-transmission timeout: 500 ms Alternate MAC: disabled Ethernet connection type: auto-negotiate Change Setup: 0 Server 1 Channel 1 5 Expert 6 Security 7 Defaults 8 Exit Without save 9 Save and exit Your choice ? 0 TF Address : (000) 192.(000) 168.(000) 1.(000) 1 Netmask: Number of Bits for Host Fart (0-default) (0) 8 Set Dis Server IP addr (N) ? N Change Setup: 0 Server 1 Channel 1 5 Expert Change Setup: 0 Server 1 Channel 1 5 Expert 1 Channel 1 5 Expert 2 Server 1 Channel 1 5 Expert 1 Channel 1 5 Expert 2 Save and exit Your choice ? 9
🗹 Ready	

22. Connect to the UDS 1100 and enter setup mode and Type 1 to choose channel 1 options

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Searc	n 🤤	Device	s 📮 Excl	ude 🔍	Assign IP	Opgrade (import	Provisioning	File 🔀 Generate L	Jevice File
	antron	emet (192	2.168.1.3)	(5)	Device Info	Configuration R	ecords Sta	atus Records	Web Configuration	Teinet Configuratio
	° 🗅	UDS			IP Address:	192.168.1.2	Po	rt: 9999	😒 Disconnect	Clear
	÷	🖇 UDS	1100 - firmw	are v7.0	Port 77	FEh is		enable	ed	
		- 🌿 1	92.168.1.2		77FEh A	ccess Mode	is	Read	& Write	
					Web Ser	ver is		enable	ed	
					Web Set	up is		enable	ed	
					ECHO 18	Descurrend		disab.	Lea	
					Telnet	u rassworu Authenticat	ion ie	dieab	eu led	
					Termet 1	aoneneitea	2011 20	arous.		
					*** Char	nnel l				
					Baudrat	≥ 9600, I/I	Mode ·	4C, Flow	00	
					Port 04	001				
					Connect	Mode : CC				
					Datagra	n Type 01				
					Pack Cn	trl: 00				
					Remote	IP Adr: 192	.168.1	.3, Port	04001	
					*** Exp					
					TCP Keet	nalive :	458			
					ARP cacl	ne timeout:	600s			
					Monitor	Mode @ boo	tup : (enabled		
					HTTP Po:	rt Number :	80			
					MTU Siz	e: 1400				
					TCP Re-	cransmissi	n time	out: 500	ms	
					Alterna	te MAC: dis	abled			
					Etherne	t connectio	n type	: auto-ne	egotiate	
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					0 Ser	/er				
					1 Char	nnel l				
					5 Exp	ert				
					6 Sect	arity				
					/ Def	aurts				
					o LXI	s without s	ave			

23. Type Y or Press Enter to choose Baud rate 9600.

22 Lantronix DeviceInstaller 4.4.0.7
File Edit View Device Tools Help
🔎 Search 🛛 Options 🤤 Exclude 🔍 Assign IP 🛛 🚷 Upgrade 🏾 🔀 Import Provisioning File 🗷 Generate Device File
E - En Lantronix Devices - 1 device(s) Device Info Configuration Records Status Records Web Configuration Telnet Configuration
Ethemet (192.168.1.3)
192.168.1.2 Web Setup is enabled
ECHO is disabled
Enhanced Password is enabled
leinet Authentication 1s disabled
*** Channel 1
Baudrate 9600, I/F Mode 4C, Flow 00
Port 04001
Datagram Type 01
Pack Cntrl: 00
Remote IP Adr: 192.168.1.3, Port 04001
*** Expert
TCP Keepalive : 45s
ARP cache timeout: 600s
Monitor Mode @ bootup : enabled
MTU Size: 1400
TCP Re-transmission timeout: 500 ms
Alternate MAC: disabled
Ethernet connection type: auto-negotiate
Change Setup:
0 Server
1 Channel 1
5 Expert
6 Security 7 Defaulte
8 Exit without save
9 Save and exit Your choice ? 1
< > Baudrate (9600) ?
V Ready

- 24. Set I/F Mode. RS-232=4C. RS485=4D
- 25. Press Enter to accept Flow Control 00
- 26. Enter TX port Number from the Comm Port in Database
- 27. Change connection mode to CC
- 28. Change Datagram type to =01
- 29. Send Broadcast =N
- 30. Remote IP Address= Comm Server Ip Address.
- 31. Type in Remote Port # which matches what is in WinDSX Database
- 32. Press Enter to accept the remaining defaults
- 33. Press 9 to Save and Exit. Connect the unit to the controller.

2 Lantronix DeviceInstaller 4.4.0.7				
File Edit View Device Tools Help				
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Entronix Devices - 1 device(s) Device Info Config	ation Records	Status Records	Web Configuration	Telnet Configuration
Ethemet (192.168.1.3)	1.2 P	Port: 9999	📚 Disconnect	🎸 Clear
P Address 192.16 P Address 192.16 P Address 192.16 MTU Size: 14 MTU Size: 14 TO F Re-trans Alternate MA Ethernet con Change Setup 0 Server 1 Channel 5 Expert 0 Server 1 Channel 1 Sendchar 12 Send as Brook Remote Port Port No (400) 2 Fort	1.2 F 0 1.2 F 0 1.2 Solution time 1.2 Solutio time 1.2 Solution time 1.2 Solution time 1.2 Solution	Port: 9999	Disconnect ms gotiate choice ? 1	Clear 003)
5 Expert				
7 Defaults				
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Master Controller Communications

