Installing TDynaSim for Windows 10x64

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Download **SetupDriverTools_Win10.exe** and **SetupTDynaSim_3_1_Win10.exe**, then save them in a convenient location.

Follow the information in C:\Lumistar_R2\DriverTools\DriverInstall_1430_App.doc where applicable.

From File Explorer and select SetupDriverTools_Win10.exe and Run as administrator:



Click the Next > Button.

🧔 DriverTools 1.0 Installation

□ X

Ready to Install

Setup is now ready to begin installing DriverTools 1.0 on your computer.

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- 64	-			
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	_	1	9	۲

 Click Install to continue with the installation, or Back if you want to review or change any settings.

Destination folder:		
C:\Lumistar_R2\DriverTo	ols	
Program group name:		
DriverTools		

Click the Install Button.



Click the Finish Button.

From File Explorer and select SetupTDynaSim_3_1_Win10.exe and Run as Administrator:





Click the **Next >** Button.



< Back

Install

Click the Install Button.

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Cancel

🔄 TDynaSim 1.0 Installation



Completing the TDynaSim Setup Wizard

Setup has finished installing TDynaSim 1.0 on your computer. Click Finish to exit Setup.

Finish

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Click the **Finish** Button.



Right-Click the TDynaSim Icon and select Properties:

沿 Ldps10xServ	er Properties		2
Security General	Details Shortcut	Pr	evious Versions Compatibility
	lps10xServer		
Target type:	Application		
Target location:	Ldps10x		
Target:	C:\Lumistar_R2\Lo	dps10x\Ldps	10xServer.exe
Start in:	C:\Lumistar_R2\Lo	dps10x	
Shortcut key:	None		
Run:	Normal window		~
Comment:			
Open File L	ocation Chang	e Icon	Advanced
	ОК	Cance	el Apply

Click the Advanced... Button>



Check the **Run as administrator** CheckBox, then Click the **OK** Button:

Click the Apply Button at the bottom of the Properties Window:

If the following Window appears, Click the Continue Button



Finish by Clicking the **OK** Button at the bottom of the **Properties** Window.

The Windows Device Manager will show the unknown installed Lumistar cards:

🛃 Device Manager	-	\times
File Action View Help		
> 📟 Keyboards		^
> 🕕 Mice and other pointing devices		
> 🛄 Monitors		
> 🖵 Network adapters		
🗸 🕎 Other devices		
🙀 Other PCI Bridge Device		
🌇 Other PCI Bridge Device		
🌇 Other PCI Bridge Device		
🌇 Other PCI Bridge Device		
🌇 Other PCI Bridge Device		
😰 Other PCI Bridge Device		
> 💭 Ports (COM & LPT)		
> 🚍 Print queues		
> 🔲 Processors		
> 📱 Software devices		
> 🍇 Storage controllers		
> 🍢 System devices		
🔉 🏺 Universal Serial Bus controllers		
-		~

Open File Explorer and steer to C:\Lumistar_R2\DriverTools\DriverInstall_1430_App.exe Run as Administrator:



It is easiest to select all options, since it will only use the drivers required. Click Run Driver Loads.

Press any key to continue ... through all screens like the below:



When no more screens appear, Click the 🎽 icon to close the Lumistar 10x Driver Install Association.

Lumistar 10x Driv	ver Install Application Ver	1.2 126:14:33:29.232	
	Reboot to complet	e the task.	
Dr	river Name	Last Time Run	
	Main Drivers		
□ \v	/inDrvr 1430 Main	05/06/2021 14:32:54.732	
🗆 Lu	umistar Cards (Except Lrrs3x)	05/06/2021 14:33:07.850	
	Serial Data Ca	rds	
E La	s50-P1 Kernel Plug-In	05/06/2021 14:33:12.146	
E Le	s50-P2 Kernel Plug-In	05/06/2021 14:33:15.232	
🗖 La	s70-V1 Kernel Plug-In	05/06/2021 14:33:18.253	
🗆 La	s70-V2 Kernel Plug-In	05/06/2021 14:33:22.153	
	Lrrs3x		
🗆 🗆 Lu	umiDrvr 1221 Main (Lrrs3x)	05/06/2021 14:32:57.917	
	rs3x Cards	05/06/2021 14:33:01.206	
	Run Driver L	.oads	
eboot th	e computer.		

Now, Looking at the Windows **Device Manager** shows the Lumistar Cards and related Drivers:

📇 Device Manager	_	×
File Action View Help		
		_
✓ au_w10_x64		^
> 🖣 Audio inputs and outputs		
> 💻 Computer		
> 👝 Disk drives		
> 🙀 Display adapters		
> 📲 Floppy drive controllers		
> 🛺 Human Interface Devices		
> 📷 IDE ATA/ATAPI controllers		
🗸 🗸 🚽 Jungo Connectivity		
🚽 LS25V2 RF Receiver		
🚽 LS25V2 RF Receiver		
🚽 LS50P2 Decom		
🚽 Ls70P1		
🚽 LS70P2 PCM Simulator		
🖵 WinDriver1430		
> 🔤 Keyboards		
🗸 🚍 Lumistar Devices		
🗇 LS35P IF Receiver		
🔁 LS50V1 KP		
📮 L S50V2 KP		
🗖 LS70V1 KP		
E LS70V2 KP		
📮 Lumistar Win10 Driver1221		
Mice and other pointing devices		
Monitors		
		v



Start **TDynaSim** by double-clicking the TDynaSim icon:

~ 7 ~

Ha	Hardware Configuration					
	LS-70 V1					
	Enable Simulate Card	Num Actu	al Cards 0 al Streams 0			
	Simulate Transmitter Num Simulated Cards	Num Card	s Using 0 ams Using 0			
		1 S-70 V2				
	Enable Simulate Card Simulate Transmitter	Num Actu Num Actu Num Actu Num Card	al Cards 0 al Streams 0			
	Num Simulated Cards	1 Num Strea	amsUsing 0			
	Enable Num Virtual Cards	Virtual				
		LS-68 SS				
	Enable					
	N. 1000.01	4				
	Num LS68 Streams					
	Num LS68 Streams					
Т	Num LS68 Streams otal System Streams Usin	g 0				

Enable your card as indicatged above, then Click Accept.

Tdynasim >	ζ
You modified a critical Option. You MUST restart the progam	
OK	

Click the **OK** Button.

Close **TDynaSim** by Clicking the **I**con.

Restart **TDynaSim**.

🎦 TDyr	naSim Ver 3.1	(Std) 126:16:32:	04.841		×
System	PDbas	e Tools	ErLogs	About	
Stream	Status	Bit Rate (MBps)	Freq (MHz	:) Time	
1		12.35	XXXX.XX	*** ** ** **.**	SFMCT

Click the Setup control.

LS70V2 Stream 1 Mode : UserDef_PCM Evts : 0

File Frame Dump

	· · · · · · · · · · · · · · · · · · ·						
Mode	Word Pr	ocess	Frame Proce	222		Error Injection	1
User Pbk	Initial Wd	Attrib	Insert S P / SFID In	Shared Mem nitial Values	Inje	ct Faulty Data	FSP / SFID
PRN	Frame W	d Alg	nsert S CRC F	Ghared Mem Post WdAlg	Set Bit Tra	nsition Density	Clock Only
Bit Rate 1 Output N Polarity N Seed Time Output Tim Reader Tim	PCM Out .0 MBps IRZL Jormal G Generator 126:13:12:18 e 126:13:12:22 ne 126:13:12:22	Int 2430 = 2499 =	DQM Enable Num Bytes 51 Q 0 (0 0 Flutter	Au 2 Sha	IX Out	Archive Enable New Byteswap	
Pattern Ler Pattern (he: Common W Words Perl Bit Order Frames Per Minor Frame First Minor F Num Minor SFID Word SFID Msb Msb	Igh 32 x) FE6B2840 FE6B2840 Ford Length Minor Frame : Location fode Intrupt e Count Direction Frame Number Frames Number	Import Barker 16 512 MSB First LEADS SFID 16 0 0 8 3 5 Lsb 0					

x

From the Banner, select **File>Recall**:

🎦 Open File				\times
Look in:	SetupFiles	•	🗢 🗈 💣 🎫	
Quick access Desktop Libraries This PC	Name DEMO.TDSIN DEMO_CH10 DEMO_LIGI DEMO_VEB TDPS_VIDTES	A D.TDSIM HTSIM.TDSIM CAM.TDSIM T.TDSIM	Date modified 3/28/2016 21:02 7/14/2014 20:41 3/28/2016 00:21 3/27/2016 23:21 3/28/2016 22:41	Type TDSIN TDSIN TDSIN TDSIN TDSIN
	<			>
	File name: DEM0.TDSIM Files of type: File Type (".TDSIM; "LS7X)			Open Cancel

Select **DEMO.TDSIM** then Click the **Open** Button.

If you are using Clock, Data and Baseband, unClick the TMoIP Button

Click the **F** Button on the Main **TDynaSim** Control to launch the **Frame Dump** Display:

Stream 2 Serial Data

<u>9 9</u>	Hardcopy	- 8 8	Snap	File
_	ridiacopy.		onap	1.110

Cwl Wpf Num Sf	Setup Info Cwl 16 Sfld Word 3 Ff Wpf 512 Sfld Msb 5 Num Sf 64 Sfld Start 0			ગ 4	Dro Tim	Status Info Drdy Counter 0x00000000 Minor Fr Rate 100.0 Time 126:16:51:55.314000 Major Fr Rate 1.6 FPI Rate 25.0													
Hex		Pause	Clear		Hex		Pause			Flush			Reverse Bits						
				^		1	2	3	4	5	6	7	8	9	10	11	12	^	
					0	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					1	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					2	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					3	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					4	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					5	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					6	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					7	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					8	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					9	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					10	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					11	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
					12	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	Π _M	
					10	10000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	-1 ¥	
[Y	<													> .:	

Click the

Button to start the Data Flowing



Data should now be filled in on the **Frame Dump** and the **Drdy Counter** (Data Ready) should be incrementing indicating proper operation of the **LS-70V2** Card:

Stream 2 Serial Data

🖺 Hardo	ору	🖲 Snap	File															
Setup Info Cwl 16 Sfld Word 3 Wpf 512 Sfld Msb Num Sf 64 Sfld Start Hex Pause Clear			FF	FPI 4		rdy Counter ime	Status Info 0x000000008 Minor Fr Rate 100.0 126:16:53:12.147000 Major Fr Rate 1.6 FPI Rate 25.0 25.0											
			Clear		Hex		Pause	Flush				Reverse Bits						
				^		1	2	3	4	5	6	7	8	9	10	11	12	
					0	FE6B	2840	0000	8000	0000	FFFF	0000	0000	0009	BEEF	BEEF	BEEF	
					1	FE 6B	2840	0001	7374	009E	FFFF	0800	0400	0009	BEEF	BEEF	BEEF	
					2	FE 6B	2840	0002	6707	0276	FFFF	1000	0800	0009	BEEF	BEEF	BEEF	
					3	FE 6B	2840	0003	5AD8	0583	FFFF	1800	0000	0009	BEEF	BEEF	BEEF	Τ
					4	FE6B	2840	0004	4F04	09BE	FFFF	2000	1000	0009	BEEF	BEEF	BEEF	T
					5	FE 6B	2840	0005	43A9	0F1D	FFFF	2800	1400	0009	BEEF	BEEF	BEEF	
					6	FE6B	2840	0006	38E3	1592	FFFF	3000	1800	0009	BEEF	BEEF	BEEF	1
					7	FE6B	2840	0007	2ECC	1D0E	FFFF	3800	1000	0009	BEEF	BEEF	BEEF	T
					8	FE6B	2840	0008	257D	257D	FFFF	4000	2000	0009	BEEF	BEEF	BEEF	Τ
					9	FE6B	2840	0009	1D0E	2ECC	FFFF	4800	2400	0009	BEEF	BEEF	BEEF	
					10	FE6B	2840	000A	1592	38E3	FFFF	5000	2800	0009	BEEF	BEEF	BEEF	
					11	FE6B	2840	000B	0F1D	43A9	FFFF	5800	2C00	0009	BEEF	BEEF	BEEF	
					12	FE6B	2840	000C	09BE	4F04	FFFF	6000	3000	0009	BEEF	BEEF	BEEF	Τ.
				~	Î.	lee op	0040	0000	0500	ELD O		0000	0.400	0000	DEFE	DEEE) 	

The **TDynaSim** installation should be complete.