How to Upgrade LDPS_8x to LDPS_10x Projects

NOTE: LDPS_8x and LDPS_10x drivers are incompatable, use one verson or the other.

LDPS_8x was typically used LS-50 Decoms for data collection and either LS-25 or LS-27 receiver/down converters. This example doesn't include either an LS-25 or LS-27, but if incluced their files will distribute automatically without requiring conversion.

For this example, I will use a modified LDPS_8x **DEMO.PRJ**. I change **all** the involved filenames to include '**-8x**' at the end of the filename (except the **.B50** file which isn't used in LDPS_10x) since these exact named files exist in the **LDPS_10x** distribution. Loading the **DEMO-8x.PRJ** in LDPS_8x yields:



I looks exactly the same and the original LDPS_8x **DEMO.PRJ** Project except for the filenames.

Record a few seconds (maybe 15 seconds) of archive data which results in:

Directory of C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638

11/29/2022	16:38	826	DEMO-8X.DER
11/29/2022	16:38	425,230	DEMO-8X.PBIN
11/29/2022	16:38	369,504	DEMO-8X.PDB
11/29/2022	16:29	2,726	DEMO-8X.PRJ
11/29/2022	16:38	16,945	DEMO-8X_RUN_0.STAT
11/29/2022	16:38	15,121	DEMO-8X_RUN_1.STAT
11/29/2022	16:38	3,816,233	DEMO-8X_STREAM_1_RUN_0.ARK
11/29/2022	16:38	5,121	DEMO-8X_STREAM_1_RUN_1.ARK
11/29/2022	16:38	330,988	DEMO_SIM.B50
11/29/2022	16:38	475	LumistarDeviceCfg.Cfg
	10 File(s)	4,983,	,169 bytes

NOTE: If you are performing this procedure, your recorded directory will be DEMO-8X_????_????.

Copy this **DEMO-8X_1233_1638** archive folder to thexLDPS_10x folder for archives.

```
C:\>xcopy C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638
C:\Lumistar_R2\Ldps10x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_1233_1638 /s /i
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X.DER
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X.PBIN
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X.PDB
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_RUN_0.STAT
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_RUN_0.STAT
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_RUN_1.STAT
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_STREAM_1_RUN_0.ARK
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO-8X_STREAM_1_RUN_1.ARK
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\DEMO_SIM.B50
C:\lumistar\Ldps_8x\User\ArchiveData\DEMO-8X_1233_1638\LumistarDeviceCfg.Cfg
10 File(s) copied
```

Launch the LDPS_10x Server:

🔛 LDPS S	erver Ver 2.176	(Pro)						—		×
🗏 System	<u>í</u>	🕈 Project	🚈 Statu:	: 🗧 🗧 Editors	🏓 Tools	🌼 Utility			🕵 Ab	out
A/V	Aux TCP Au	#K UDP		Logs						
Mode Time Strm 1 333:17:	Live 333:17:19:0 Time 19:06.018263	Syste 05.995714 0 √fl 0 №	em Info Time Source Project Name	CPU NOT LOADED			LUMIS	T	A	R

From the Server Banner select Tools>B50

11:04:24.795755 B50 to SCS Converter Ver 2.0	×								
Simple utility for folks with Lumistar decom setup files to convert the B50 file format to the LDPS_10x SCS format. - Select the dirctory of interest where the B50 file(s) is. - Press the Start button - The information from the B50 will passed to the SCS structure and that file will be made. - The B50 file will be renamed to .B50.0RG, but the contents will NOT be altered. - It will also look for any PRJ files, and modify the setup files with B50 to SCS and set the device types to LDPS_10x types - It will also look for any PBIN files, and update the PBIN and PDB files to LDPS_10x versioning									
Directory C:\Lumistar_R2\Ldps10x\USERTOOLS\ Start									
Click the Directory Button and steer to: $\sim 2 \sim$	_								

C:\Lumistar_R2\Ldps10x\User\ArchiveData\DEMO-8X_1233_1638\ Select the B50 file, in this case: DEMO_SIM.B50.

📓 Open File					×					
Look in:	DEM0-8X_12	33_1638	-	⇔ 🗈 💣 💷 ▼						
4	Name	^		Date modified	Туре					
Quick access	DEMO_SIM.E	350	11/29/2022 16:38	B50 F						
Desktop										
-										
Libraries										
This PC										
- I										
Network	_									
	<				×					
	File name:	DEMO_SIM.B50		<u> </u>	Open					
	Files of type:	File Type (*.850)		_						
Click the Buton.										
Simple utility for folks with Lumistar decom setup files to convert the B50 file format to the LDPS_10x SCS format. - Select the dirctory of interest where the B50 file(s) is. - Press the Start button - The information from the B50 will passed to the SCS structure and that file will be made. - The B50 file will be renamed to .B50.0RG, but the contents will NOT be altered. - It will also look for any PRJ files, and modify the setup files with B50 to SCS and set the device types to LDPS_10x types - It will also look for any PBIN files, and update the PBIN and PDB files to LDPS_10x versioning										
Dire	ctory C:\L	umistar_R2\Ldps10)x\User\Arc	hiveData\SIM_1	6_1233_1150\					
			Start							

Click the Start Button. A Yellow rectangle (with text) next to the **Start** button will flash indicating the conversion was accomplished.

Click the Button to close the **B50toScs** Tool.

From the Server Banner select Utility>Archive Dir to Live Dirs.

Archive Setup Files to Live Directories Utility							
This utility is used to copy setup files from an archive directory to your respective live directories.							
Be CAREFULL with this utility, I want.	because it will overwrite existing files if you opt to, which may or may not be what you						
Include PRO Files	No Project File Found This Directory						
	C:\Lumistar_R2\Ldps10x\USER\ARCHIVEDATA\						
LDPS Archive Directory							
	,						

Read the warning because it can overwrite existing files with the same name. Also, read the document found in:

C:\Lumistar_R2\Ldps10x\Documentation\Docs_UserTools\ ServerUtility_ArchiveFilesToLiveDirs.doc

Concerning the Include PRO Files C option, I don't need it for this conversion (include it if you have PRO related files in the Archive floder).

Left-click in the white TextBox, then click into the archive folder you have been working with:

						×
Look in:	DEMO-8X_12	233_1638	•	← 🗈 💣 💷 ▼		
₹	Name	^		Date modified	Туре	
Ruick access	DEMO-8X.PF	ચ		11/30/2022 08:43	PRJ File	
Deskton						
Librarian						
T						
Network					_	
						,
F	File name:	DEMO-8X.PRJ				Open
r	Files of type:	File Type (*.PRJ)			-	Cancel

~ 4 ~

Archive Setup Files to Live Directories Utility	×								
This utility is used to copy setup files from an archive directory to your respective live directories.									
Be CAREFULL with this utility, because it will overwrite existing files if you opt to, which may or may not be what you want.									
Include PRO Files									
LDPS Archive Directory									
Project DEMD-8X Copy Files									
	^								
	~								

Click the Copy Files Button to distribute the files to the appropriate LDPS_10x folders.

NOTE: If you receive the following warning:

File Exists	\times
The file LumistarDeviceCfg.Cfg already exists. Overwrite?	
NO	
ОК	

It means you are about to change your Lumistar Device Configuration. If you have different Lumistar cards or no cards, you may want to reply **NO** to this option (especially if this conversion is for Playback only).

Archive Setup Files to Live Directories Utility	×								
This utility is used to copy setup files from an archive directory to your respective live directories.									
Be CAREFULL with this utility, because it will overwrite existing files if you opt to, which may or may not be what you want.									
Include PRD Files									
Project DEMO-8X Copy Files									
C:\Lumistar_R2\Ldps10x\USER\SERVERFILES\DDBASE\DEMO_SIM.SCS C:\Lumistar_R2\Ldps10x\USER\CLIENTFILES\F0RMULAS\DEMO-8X:DER C:\Lumistar_R2\Ldps10x\USER\SERVERFILES\P0BASE\DEMO-8X:PBIN C:\Lumistar_R2\Ldps10x\USER\SERVERFILES\P0BASE\DEMO-8X:PDB C:\Lumistar_R2\Ldps10x\USER\SERVERFILES\P0DUECT\DEMO-8X:PRJ C:\Lumistar_R2\Ldps10x\USER\SERVERFILES\P0DUECT\DEMO-8X:PRJ	^								
Copying project files COMPLETE	*								

Click the Button to close the Archive Setup Files to Live Directories Utility.

Now you should be able to load your converted Project, **DEMO-8x.PRJ** in the Live Mode. If you are simulating the PCM stream, you will see the PCM frame activity.

From the **LS-50P2** control:

Ls50P2 Ver 3.31			
System Archive			
Stream Mf mF Bs Irig	Clock	Time	
1 0000	2.0 Mbps	334:09:22:59.390	SMFB

Click the Major Frame Dump:

MfDump V	/er 2.3	LS50P2 Strea	am 1	334: 0 9	9:41:40.304																			x
Hardcopy	Snap F	ile																						
Cwl 11 Wpf 5 Num Sf 6	6 12 4	Setup Info Sfid Word 3 Sfid Msb 5 Sfid Start 0) FP	4	Data Valid Y Drdy Counter 0 Time 3	ES <0007F 34:09:4	St 908 1:40	atus .6697	: Info 757	Minor Major FPI R	Fr Rate Fr Rate ate	244.1 3.8 61.0	Frar Re:	An nes Lost set An	alysis I Ox80 alysis	nfo 1000030								
Hex	Paus	e Clear		Hex	Pause				Flush				Revers	e Bits	Invert	Bits								
			^		Time	Sfl	d M	F mF	Q	1	2	3	4	5	6	7	8	9	10	11	12	13	14	^
			_	0	334:09:41:40.7547	16 0	1	1		FE6B	2840	0000	7FFF	FFFF	4000	0000	0000	0009	40B3	24F3	404E	A4A9	000E	
			_	1	334:09:41:40.7588	12 1	1	1		FE6B	2840	0001	8C8B	FF62	4000	07FF	07FF	0009	40B3	24F3	404E	A4A9	000E	-
			_	2	334:09:41:40.7629	08 2	1	1		FE6B	2840	0002	98F8	FD8A	4000	OFFE	OFFE	0009	40B3	24F3	404E	A4A9	000E	-
L			_	3	334:09:41:40.7670	04 3	1	1		FE6B	2840	0003	A527	FA7C	4000	17FD	17FD	0009	40B3	24F3	404E	A4A9	000E	
L			_	4	334:09:41:40.7717	35 4	1	1		FE6B	2840	0004	BOFB	F641	4000	1FFC	1FFC	0009	40B3	24F3	404E	A4A9	000E	
			_	5	334:09:41:40.7758	31 5	1	1		FE6B	2840	0005	BC56	F0E2	4000	27FB	27FB	0009	40B3	24F3	404E	A4A9	000E	-
			_	6	334:09:41:40.7799	27 6	1	1		FE6B	2840	0006	C71C	EA6D	4000	2FFA	2FFA	0009	40B3	24F3	404E	A4A9	000E	-
L			_	7	334:09:41:40.7840	23 7	1	1		FE6B	2840	0007	D133	E2F1	4000	37F9	37F9	0009	40B3	24F3	404E	A4A9	000E	
L			_	8	334:09:41:40.5168	45 8	1	1		FE6B	2840	0008	DA82	DA82	4000	3FF8	3FF8	0009	40B3	24F3	404E	A4A9	000E	
			_	9	334:09:41:40.5209	41 9	1	1		FE6B	2840	0009	E2F1	D133	4000	47F7	47F7	0009	40B3	24F3	404E	A4A9	000E	-
			_	10	334:09:41:40.5250	37 10	1	1		FE6B	2840	000A	EA6D	C71C	4000	4FF6	4FF6	0009	40B3	24F3	404E	A4A9	000E	-
			_	11	334:09:41:40.5291	33 11	1	1		FE6B	2840	000B	F0E2	BC56	4000	57F5	57F5	0009	40B3	24F3	404E	A4A9	000E	
			_	12	334:09:41:40.5338	46 12	1	1		FE6B	2840	0000	F641	BOFB	4000	5FF4	5FF4	0009	40B3	24F3	404E	A4A9	000E	
L			_	13	334:09:41:40.5379	42 13	1	1		FE6B	2840	000D	FA7C	A527	4000	67F3	67F3	0009	40B3	24F3	404E	A4A9	000E	
			_	14	334:09:41:40.5420	38 14	1	1		FE6B	2840	000E	FD8A	98F8	4000	6FF2	6FF2	0009	40B3	24F3	404E	A4A9	000E	-
			_	15	334:09:41:40.5461	34 15	1	1		FE6B	2840	000F	FF62	8C8B	4000	77F1	77F1	0009	40B3	24F3	404E	A4A9	000E	
L				16	1								1					1				1		×.
I			×																				2	

After closing the Live Project, you will need to copy your **Display** files from LDPS_8x to LDPS_10x.

Copy the LDPS_8x DEMO-8x.PRJ display Pages and List file to the LDPS_10x folder:

```
C:\>copy C:\lumistar\Ldps_8x\User\ClientFiles\Displays\*-8x.*
C:\Lumistar_R2\Ldps10x\User\ClientFiles\Displays\
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\DemoSet-8x.DPS
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\DEMO_COCKPIT-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_map-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_postlaunch-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_preflight-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_preflight-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_preflight-8x.DPY
C:\lumistar\Ldps_8x\User\ClientFiles\Displays\demo_prelaunch-8x.DPY
6 file(s) copied.
```

Use media or a network connection if LDPS_10x is on a different computer.

You should now be able to run the LDPS_8x **DEMO-8x.PRJ** Project with LDPS_10x.



It is suggested re-saving each display page to incorporate any LDPS_10x additional configuration information.

If some Strip Charts aren't working properly, you may need to reinstantiate them and assign the parameters and settings.