Creating file to download to PLC via UniDownLoader

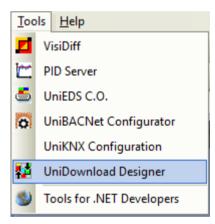
Creating a .UDC file to download to PLC via UniDownLoader

Open VisiLogic, with the program you want to load into the PLC via UniDownloader.

Go to 'Project' > 'Create Project File' > Save the .vdf file in an appropriate folder with a related file name

Pro	ject <u>E</u> dit	<u>V</u> iew	<u>I</u> nsert	<u>B</u> uild	<u>C</u> onnection	<u>L</u> adder	H <u>M</u> I	Tools	Help
	<u>N</u> ew								Ctrl+N
B	<u>O</u> pen								Ctrl+0
	<u>S</u> ave								Ctrl+S
	Save <u>A</u> s								
6	Print								Ctrl+P
	System D	escripti	ons						•
	Import D	isplays							
**	Export Di	splays							
٢	Create Pr	oject Fil	es: Clon	e, .vdf, .	dvi, .ura and .u	rc			
	Open Pro	ject File	s .V13/ .V	V35/. V4	3/ .V57/ .V10/	.V70/ .C1	3/ .C35/	. / .C43/ .	C57/ .C10/ .C70

In VisiLogic, go to 'Tools' > 'UniDownload Designer'.



A new pop-up window appears. In the field named 'Application' select the .vdf file you created previously.

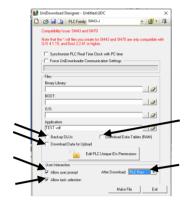
UniDownload Designer - Untitled.UDC 🛛 🛛 🗙
) 😂 🖬 🍙 PLC Family SM43-J 🔹 🛃 • 🎵
Compatibility Issue: SM43 and SM70
Note that the ".vdl files you create for SM43 and SM70 are only compatible with O/S 4.1.15, and Boot 2.2.41 or higher.
Sunchronize PLC Real Time Clock with PC time
Force UnDownloader Communication Settings
Files
Binary Library:
BOOT:
u/s:
Application
TEST.vdf
Backup DLUs Download Data Tables (RAM) Download Data for Upload
Edit PLC Unique ID s Permissions
User Interaction
Allow user prompt After Download: FLC Run Allow task selection
Make File Exit

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Tick the appropriate boxes as per your requirements.



Once an application is selected you can select 'Make File' in the bottom right.

😂 🛃 🦙 PLC Family SM	43-J	• 🛃 • 🗊	
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Synchronize PLC Real Time			
Force UniDownloader Com	nunication Settings		
Files			
Binary Library:			
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BUUT:			
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Application			
TEST.vdf		🥥	
Backup DLUs	Download Data Tabl	es (FIAM)	
Download Data for Upload			
0- 10	PLC Unique IDs Permissions		
	PDC Orique ID's Pellilasions		
User Interaction			
Allow user prompt	After Download:	iun 👘	
Allow task selection			

You will be prompted to give this new file a name, give it an appropriate name (probably related to the original Visilogic project file name) and save.

The program will build then save a new .udc file for use with UniDownloader

Open your UniDownLoader software available from

<u>http://www.unitronics.guru/i4SoftwareUtilities.html</u> and at the top left of the screen you can select the 'Open Runner Design' icon. This will bring up a file explorer which you can use to locate the .udc file you saved previously.

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UniDownloader 5.0.24		_	\times
🖻 🖶 🕨 🔳 😰 📲	л		
Op	en UniDownloader De	sign file.	
ltems to Execute			
Items	Status		

Once you have opened your .udc file in UniDownLoader you can download this program to your PLC by hitting the 'Run' icon at the top of the screen.

	Design file: Test.U	DC, for PLCs of SM43J family.	
Items to E	xecute		
Load	Items	Status	
v	Application	Waiting for execution	

You will be prompted to enter Communication setting before the download can begin, enter these as you would when communicating with a PLC in VisiLogic. Once these have been entered correctly and a communication between PC and PLC has been established the download will begin.

🖶 Communication - PC settings	\times									
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Select Connection Type: Serial										
PC Port: COM 3										
Baud Rate: 57600 💌										
TimeOut: 1 sec 💌 Retries: 3 💌										
Communicate with OPLC Direct Connection Force M90, Jazz Within Network (Unit ID)										
OPLC Information										
Model:										
Hardware Rev: OS Version:										
Get OPLC Information										
Exit										

Tom Johnson July 2017