

## **Extracting from & Installing into a** Parker SSD or Eurotherm Drive using DSE Lite

Welcome to SDS Drives' Step-by-Step guide in how to connect, Extract from and Install into your Parker, SSD or Eurotherm AC Inverter Drive or DC Thyristor Drive.

### Things you will need:

- SDS DRIVES PC TO DRIVE STANDARD PROGRAMMING LEAD (1.5M)
- ATEN UC- 232A USB to SERIAL PORT Adapter (only if your computer doesn't have a serial port)
- <u>DSE-LITE AC/DC Drive Configuration/Programming Software installed on your laptop or</u> <u>desktop PC.</u>

Note: If connecting to AC890 series inverter drives using DSE-Lite, <u>you'll need a USB 2.0 to</u> <u>MiniUSB cable</u>





## **1. Extracting Drive Parameters**

#### Step 1.

Open up the latest version of DSE Lite on your Laptop or Desktop. This may be saved as a shortcut on your desktop. However, if it is not go to;



DSE Lite, when opened, should look similar to this;

BSE Lite	
Eile Edit View Command Window Help	
Unservice Page 1 - 2018 - 2019	
Thu Sep 05 11:34:55 2013	
User name is 'shannon' Error (6) onening commes port 'COM3'	
Life (a) opening coming port como	
	-
neau	NUM



#### Step 2.

Check if you laptop has Serial Port Connection. Examples of Laptop serial ports can be seen below;



If you're computer or laptop PC does have a serial port, plug your LA387599 PC to Drive comms lead into this port as seen below;





If you're computer or laptop PC does not have a serial port, you will need to USB to SERIAL PORT Adapter. As seen below;



Connect the male and female ends of the serial adapter and your LA387599 comms lead.



Once connected, plug the USB end of the adapter into your laptop or PC's USB Port;





#### Step 3.

You need to open a default template of the drive that you're trying to extract from. E.g. If you have a Eurotherm 605 Inverter, you need to open a 605 DSE Configuration Template to extract onto.

In this case, we are going to extract parameters from a 690+ Inverter.

To do this click;

Open>

New>

690P> ------ (or whatever drive you have)

Ver5> ------ (or Latest version of your drive)

DEFULT5.690> ------ (will be different for every drive)



You should see something like this;





#### Step 4.

Plug the RJ45 data plug end of the LA387599 comms lead into the P3 Port on the drive.

Please note: the drive must be powered up and should NOT be running when trying to connect.



#### Step 5.

We are now looking to connect with the drive in order to perform the extract onto the Default template.

Ways to do this can differ depending on whether your computer or laptop has a serial port or whether you are connecting to the drive via a USB adapter...



### 1a. if you are using a USB Adapter



Once in Control Panel, Find "Device Manager". Depending on what version of Windows your computer runs off, you may be able to find this under "Devices and Printers" > "Device Manager".





Then, Click the **"Ports (COM & LPT)"** down Arrow and see what COM port you are currently plugged into.







**NOTE:** Sometimes the COMx you are plugged into doesn't appear on this list. This is

usually because the software had been opened before you plugged the adapter in. The quickest way to make the COM appear on the list is to close DSE-Lite and restart it. Make sure the communications cable remains plugged in whilst you do this.

Once the COM appears on the Command list, select it and then Refresh Full.



Now look at the scratch pad on DSE Lite. You're looking to see if you are connected to the drive.

#### Usually shown as "690 version 4.2 (NOT Running)"

Or whatever your drive is. E.g. If you have a 650V version 5.0 then you'll see "650V version 5.0 (NOT Running).





#### Step 8.

Lastly, we need to extract drive parameters from selected drive into current configuration.

Do this by Selecting;

"Command">

#### "Extract Drive Parameters">



You may see the following error message (or something similar). Select "Yes"



At this point, you should see a green loading bar at the bottom-right hand side of your page;





#### Step 9.

Extracting a pre-configured drive program onto a default drive template will often mean that some links will go to different pages. This is normal.

Once extracted, simply "File" > "Save Copy As"

Save the configuration.

DSE Lite - [EXTRACT 1 T690v4_4]					
<u>F</u> ile <u>E</u> dit <u>V</u> iew <u>C</u> ommand <u>I</u> nsert F <u>o</u> rmat <u>W</u> indow <u>H</u> elp					
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T690v5_1* EXTRACT 1 T690v4_4					4 Þ 🗙
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(BHT 4) Preset 1:011TPUT-1	Name	Date	e modified Type	tie + ΩHz	
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Digital Input 2 (15) ACTIVE					
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Digital input 5 (16)	Save as type: 6	90 Drives (*.690)	✓ Cancel	ut 3 (8)	
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FALSE VALUE FALSE Value Func 2:INPUT C (SHT 6) SEQUENCER: INVERT	TATE TRIPPED OUT TRUE		Digital O	tput 1 (21/22)	
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Ready		Updating T690v5 1* (1618 tag	qs)		NUM



# 2. <u>Installing</u> & <u>Full Installing</u> a Configuration

#### Step 1.

Ensure any and all current configurations inside the drive have been extracted and saved. You can change the configuration after the extraction and install the new configuration without opening a new template, if you wish. But remember that it's important to save each version of the configuration so that you can come back to them at a future date – if required.

In the example below, we will INSTALL and FULL INSTALL a configuration that had been extracted from an identical drive previously into a NEW drive. I.e. clone a new inverter.

Firstly, connect the programming cable as explained in Section 1 (Extracting Drive Parameters).

Find the NEW Drive in the scratchpad

Select:

"Command">

DSE Lite - T690v5 1\* File Edit View Command Insert Format Window Help 💐 🌬 🖬 🖭 🔍 🔛 🤜 🕾 🕾 🐨 📰 🖉 🗖 . T690v5 1\* T690v5 Scratch Pad user name is 'shannon' Error (6) opening comms port 'COM3' loading 'C:\SSD\_LINK\symbols\DEFAULT5.690' (690v5 Drive) done. 690 version 4.2 (NOT running) 690 version 4.2 (NOT running) user name is 'shannon' Error (6) opening comms port 'COM3 590v5 Drive) done 690 version 4.2 (NOT running 690 version 4.2 (NOT running Connected to '690 version 4.2' (NOT running) at 19200

"Refresh Full">



#### Step 2.

File > Open the pre saved configuration from your directory. If the configurations were opened or saved recently, they may show here:



Otherwise, select "Open..." and find the configuration file that you have saved.





#### Step 3.

Once again, select "Refresh Full" to ensure you're connected to the drive prior to the install.



#### Step 4.

DSE Lite - Install_Example_Config				Once the configuration is open:		
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			<u>F</u> ull Install			
Install_Examp	ple_Co	ê	<u>O</u> nline	F9		"Command">
Install Exa	mple		Extract Drive P	arameters		
	-	62	Restart		<u> </u>	"Install"
An	alog I	4	<u>H</u> alt		1	<u>Instan</u>
i i ř			C + 5555		n/min	

You should see the blue loading bar fill up:





#### Step 5.

You have now performed a partial install of the configuration. This must be done prior to the FULL INSTALL. So, once complete, Select:

"Command">

"Full Install"



On selection, you should see the following message:



If safe to do so, select "OK"

Again, you'll see the loading bar:

processing tags	

The scratchpad will display the outcome of the full install and any errors

Scratch Pad Typical Install: Install\_Example\_Config (1180 tags) ... done. 690 version 5.6 (connected to DSELite, drive NOT running) Typical Install: Install\_Example\_Config (1180 tags) ... done. 690 version 5.6 (connected to DSELite, drive NOT running) Full Install: Install\_Example\_Config (1255 tags) ... done.



If you have any problems with this process or would like further assistance you can contact us on +44 (0)117 9381800. Alternatively, Email us at <u>info@sdsdrives.com</u>

Other useful guides, Drive product Manuals and Condensed Manual Extracts can be found on our website's Resource Centre via the following link: <u>https://www.sdsdrives.com/resources/downloads</u>

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