S D S DRIVES

Control. **Everywhere**.

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)

- DSE-LITE - AC/DC Drive Configuration/Programming Software installed on your laptop or desktop PC.

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

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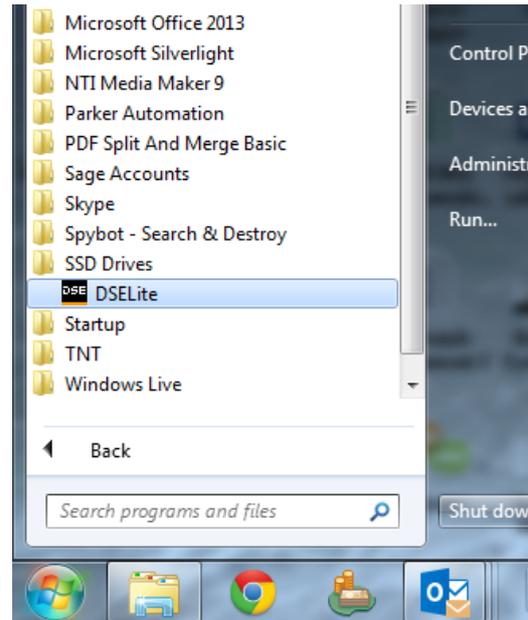# 1. Extracting Drive Parameters

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;
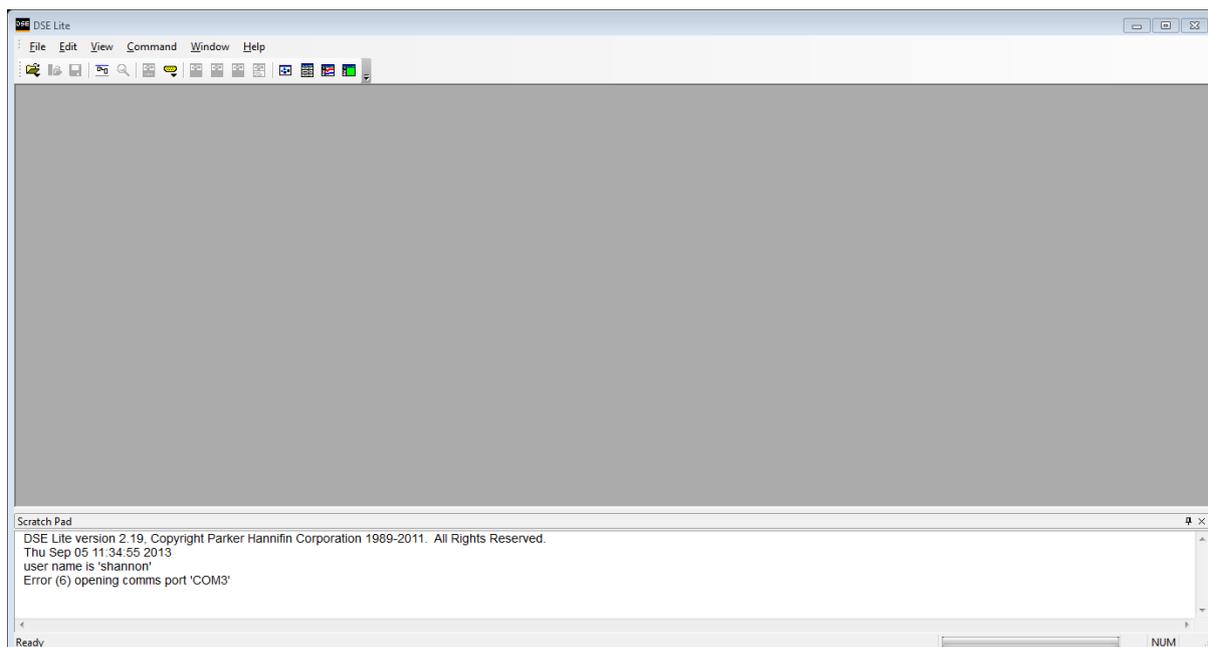
Start>

All Programs>

SSD Drives>

DSE Lite.

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

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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;

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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;

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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.
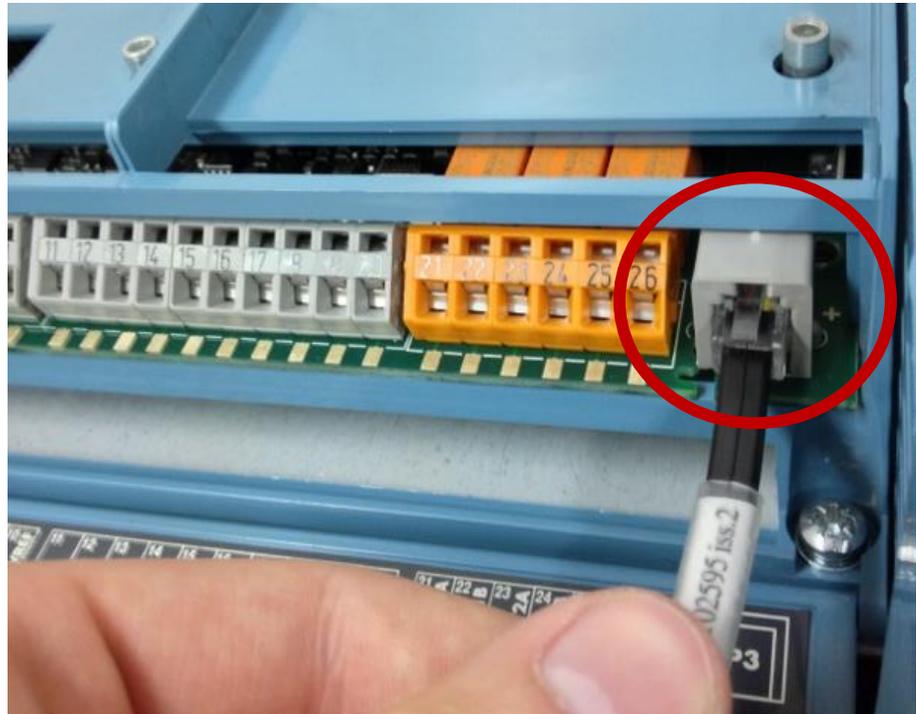
Step 5.

We are now looking to connect with the drive in order to perform the extract onto the Default template.
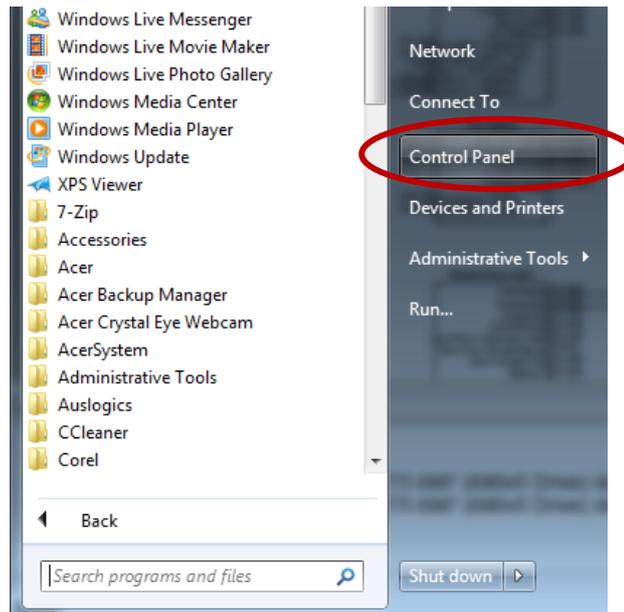
Ways to do this can differ depending on whether your computer or laptop has a serial port or whether you are connecting to the drive via a USB adapter…

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1a. if you are using a USB Adapter

Firstly, go to…

Start>

      Control Panel>

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".**

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Once found, you should
see a window similar to
this;
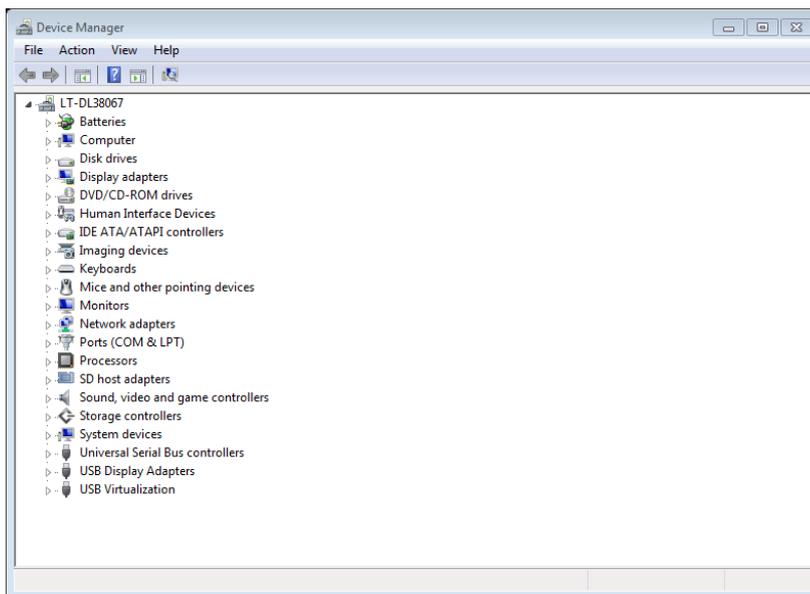
Then, Click the **"Ports (COM & LPT)"** down Arrow and see what COM port you are currently plugged
into.

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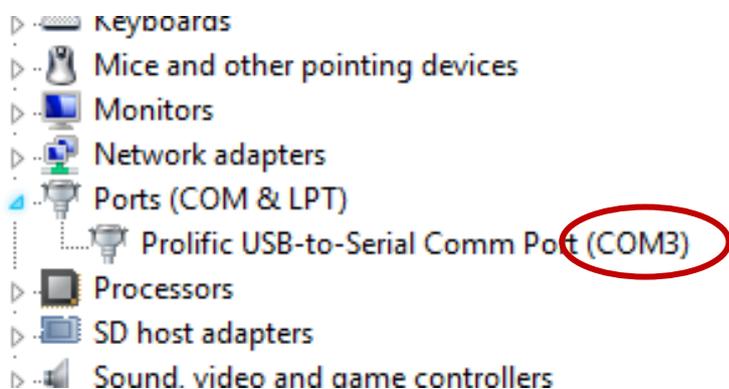
Step 6.

Once you've confirmed what COM port you are plugged into (in Device Manager), return to DSE Lite.

Select the "Comm port" Button and select the same COM as shown in your Device Manager.
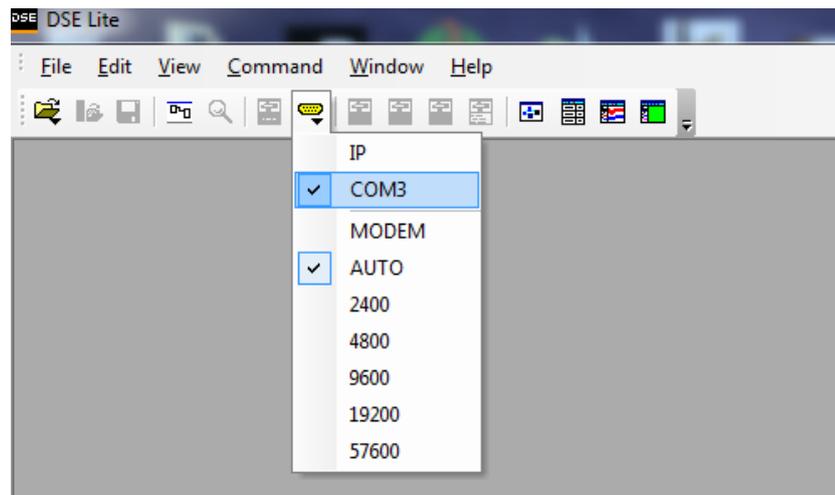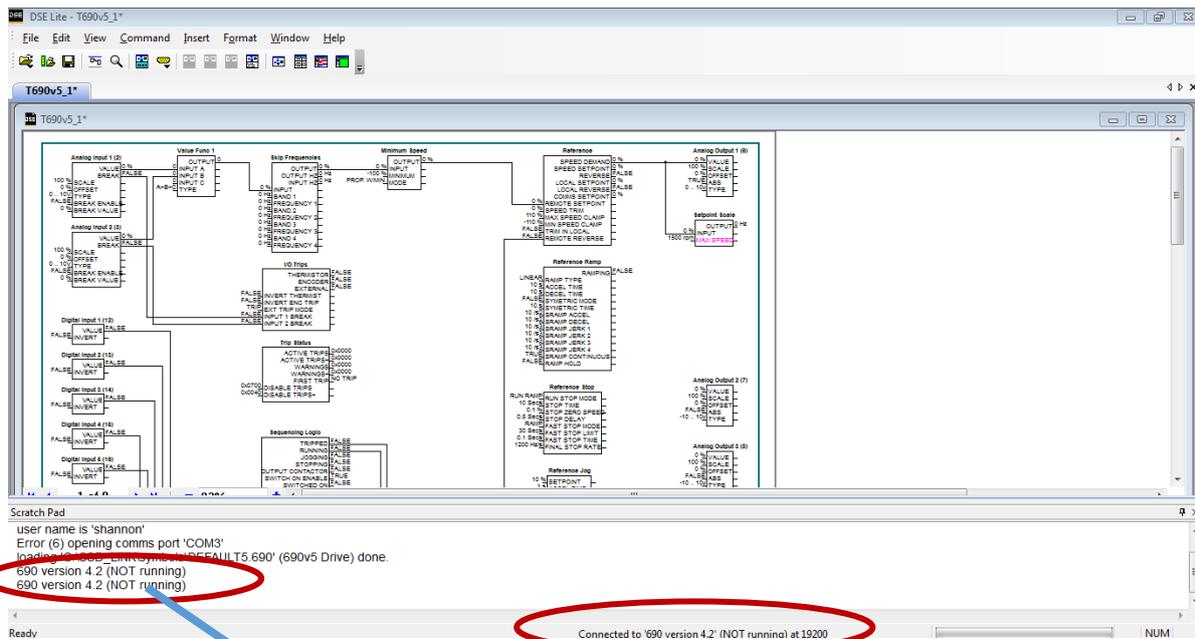
Then – select;

"Command"

"Refresh Full"
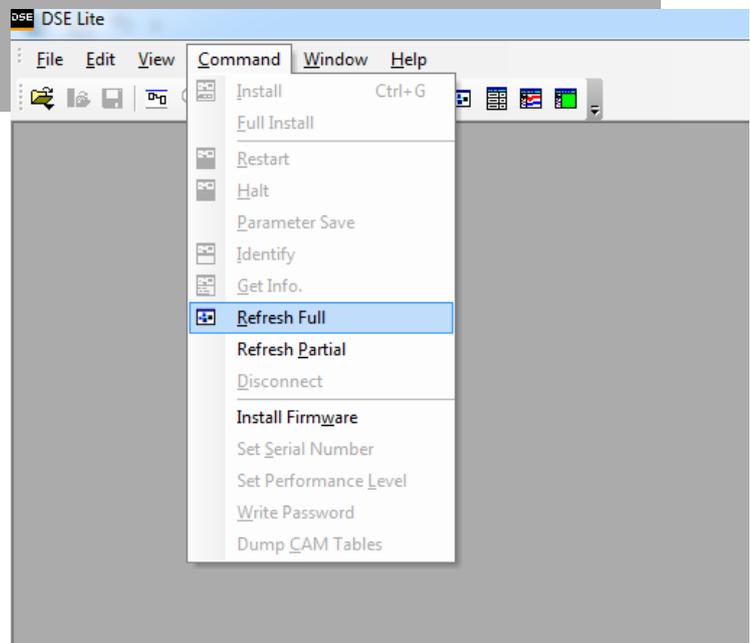
NOTE: Sometimes the COMx you are plugged into doesn't appear on this list. This is usually because the software had been opened before you plugged the adapter in. The quickest way to make the COM appear on the list is to close DSE-Lite and restart it. Make sure the communications cable remains plugged in whilst you do this.

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

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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).
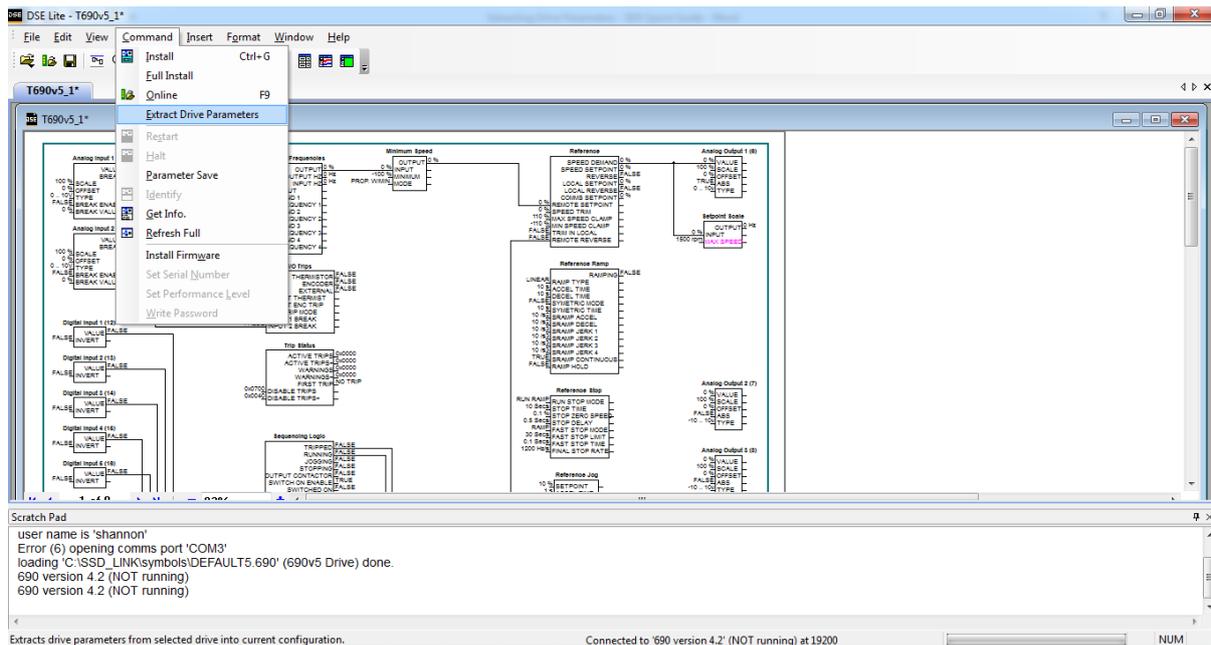
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Step 8.

Lastly, we need to extract drive parameters from selected drive into current configuration.
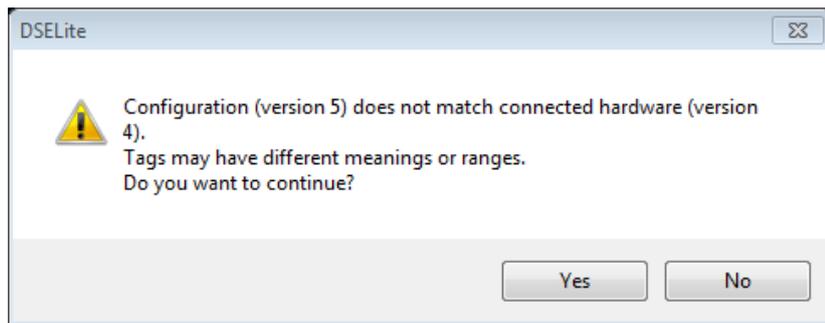
Do this by Selecting;

"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;

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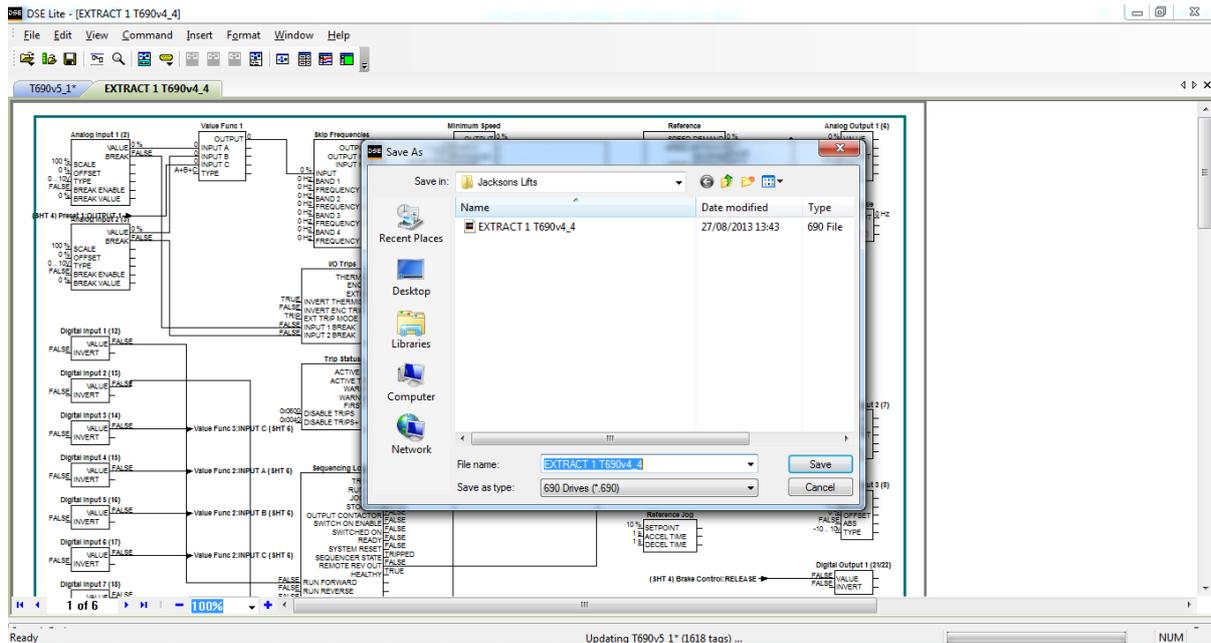**D R I V E S**

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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.

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2. *Installing* & *Full Installing* 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.
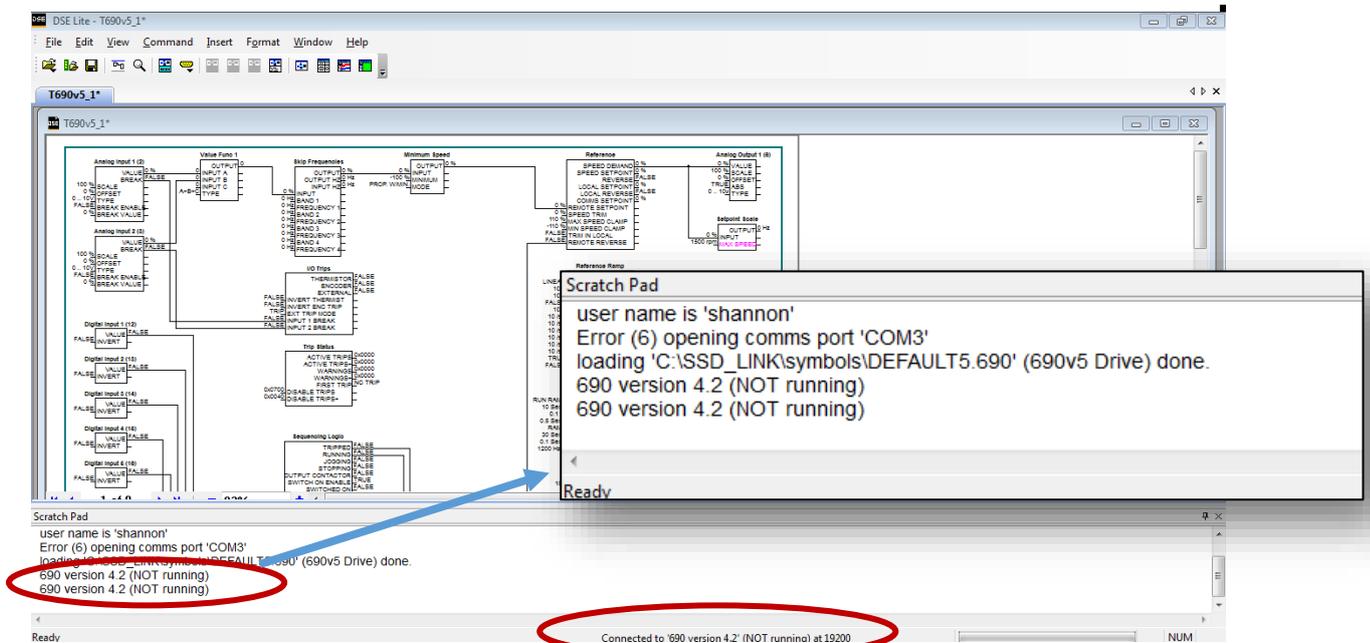
Firstly, connect the programming cable as explained in **Section 1 (Extracting Drive Parameters).**

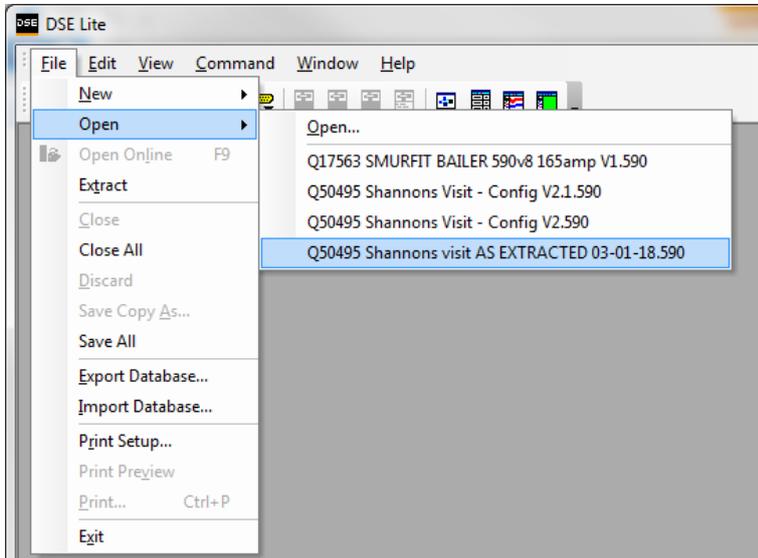Find the NEW Drive in the scratchpad

Select:

      "Command">

             "Refresh Full">

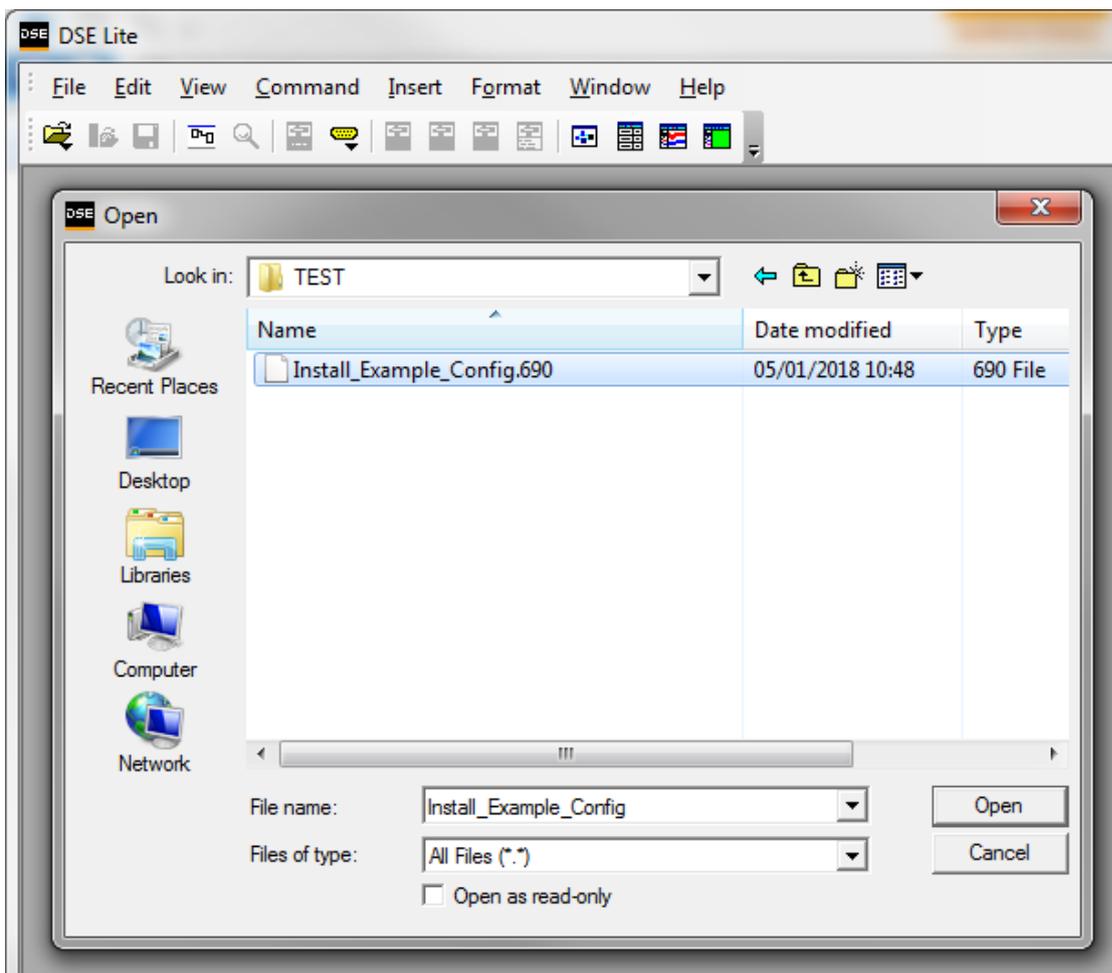**SDS DRIVES**

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Step 2.

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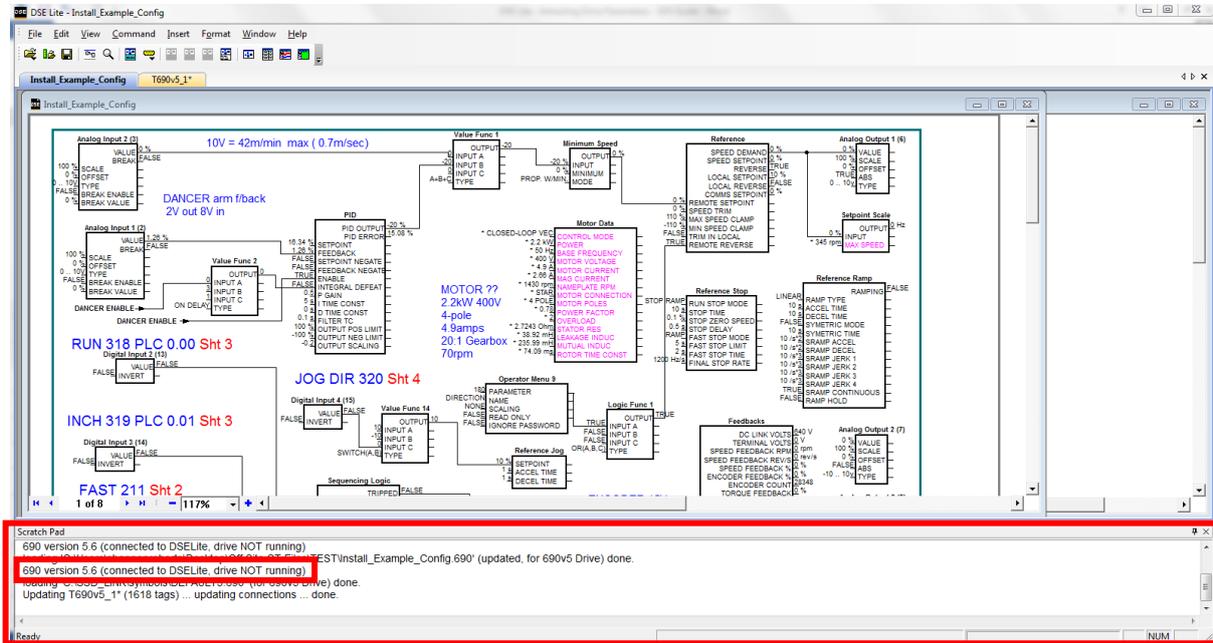

Otherwise, select "Open…" and find the configuration file that you have saved.

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Step 3.

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

Step 4.

Once the configuration is open:

Select:

"Command">

"Install"

You should see the blue loading bar fill up:

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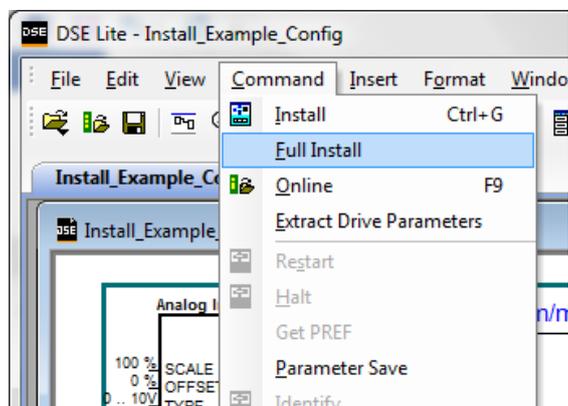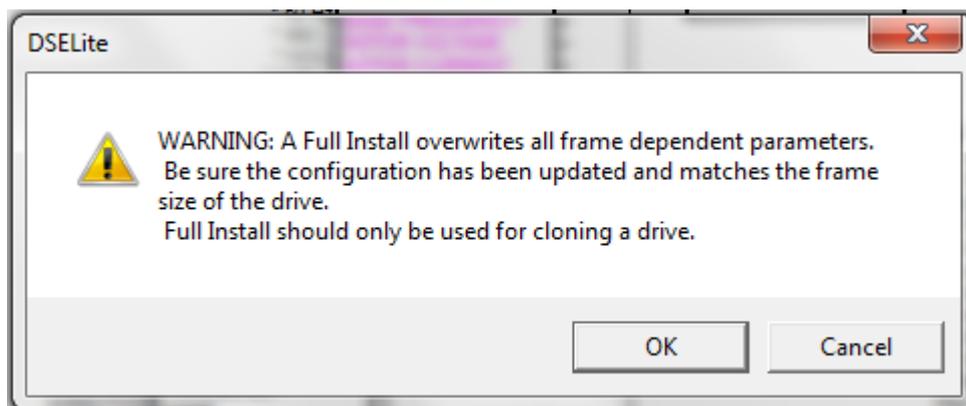
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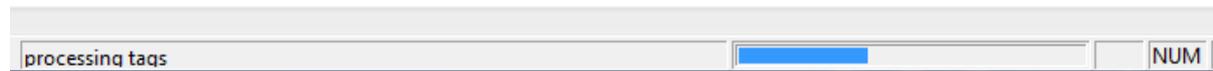
Step 5.

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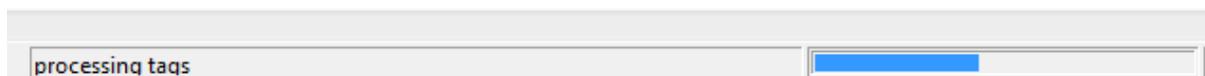
"Command">

"Full Install"

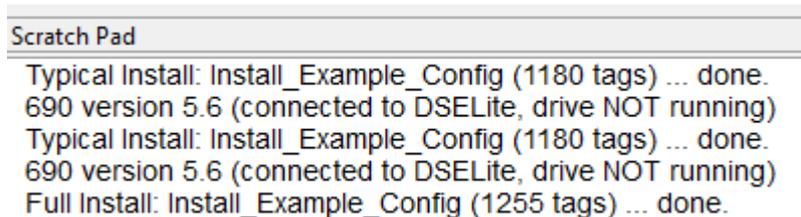On selection, you should see the following message:

If safe to do so, select "OK"

Again, you'll see the loading bar:

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

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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 info@sdsdrives.com

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

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