



Jasper Display Corp.

**JDC Config Selector
Software User Manual
Rev 0.1/2019**

X-on-Silicon





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1. Introduction

JDC Config Selector allows the user to load and set the default pre-installed configuration on the JDC hardware.

2. Software Requirements

JDC Config Selector is a standalone application. However, system administrator's privilege may be required to communicate with the JDC hardware using USB connection. The supported Operating Systems and their corresponding execution files are as below:

Supported OS	
Windows 7,8, and 10 – 64bit only	“JDC Config Selector.exe”
Ubuntu 14.04, 16.04 – 64bit only	“JDC Config Selector”

3. Software Operating Instructions

- 1) Start the program by double clicking on JDC Config Selector icon. Upon startup, welcome screen will pop up with the hardware connection details as shown in the picture.

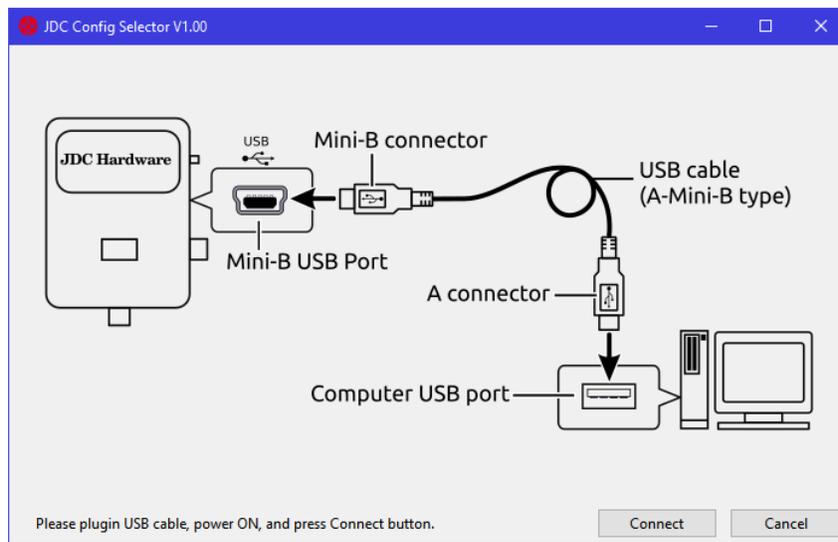


Figure 1. Welcome screen

- 2) Once the connection is done, clicking on “Connect” leads to Configurations window. See Figure 2.



- 3) Click “Load” to get a different pre-installed configuration. Please wait for 1-2 seconds and do not quit or switch off the JDC hardware. The green marker shows the default / current configuration of the board. See Figure 2.

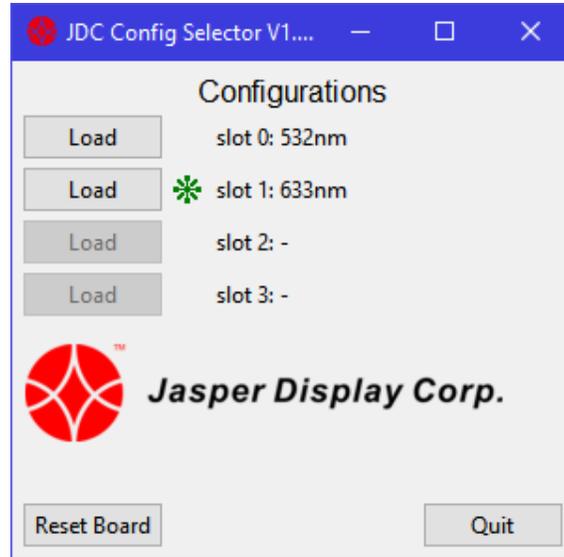


Figure 2. JDC Config Selector

Reset Board

Click “Reset” Board to do a “soft” reset of the hardware. The default configuration will be used.

Quit

Click “Quit” to exit and close the JDC Config Selector.

4. Troubleshooting

The following scenarios are known issues and possible fixes.

- 1) “Entry Point Not Found” error

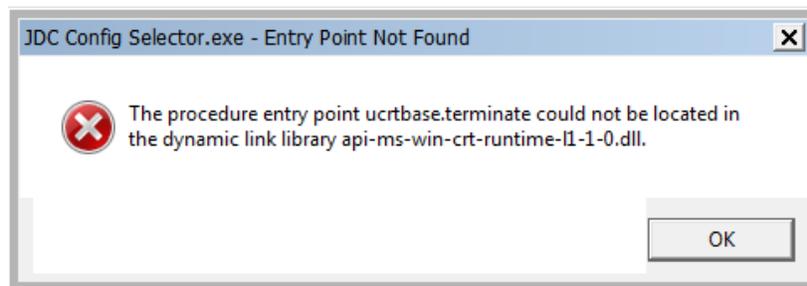


Figure 3. Entry point not found



If you see an error message, as in Figure 3, perform a Windows update or manually install the KB2999226 library file from the following link:

<https://support.microsoft.com/en-gb/help/2999226/update-for-universal-c-runtime-in-windows>

- 2) The JDC hardware is connected but it is not getting detected by the system.



Figure 4. After clicking initialize

If you come across this error message, follow the below steps to check and verify the necessary updates and requirements.

- a. Check if the JDC hardware is switched on.
- b. If the JDC hardware power is on, try disconnecting and reconnecting the USB cable from the PC.
- c. Go to **Windows** → **My Computer/PC** icon → Right-click on the icon → **Properties** → **Device Manager**
- d. If your PC is connected to the internet, PC will search for a driver update and a yellow flag will be marked on the option **FT232R USB UART** as shown in Figure 5.
- e. Right-click on the **FT232R USB UART** and select **Update Driver Software**.
- f. Follow the necessary steps according to the instructions and update the software.
- g. Updated Driver software option will look as shown in Figure 8.



If a direct internet connection is not available for the PC, then download the software from the link: <http://www.ftdichip.com/Drivers/VCP.htm>, extract the zipped file, and follow the steps below:

- a. Go to **My Computer/PC** icon → Right-click on the icon → **Properties** → **Device Manager**.
- b. Right-click on the **Ports (COM&LPT)**.
- c. Select “Update Drive Software”. Provide the location of the extracted files in the Browse path. See Figure 5 and 6.
- d. Click Next and software will be updated successfully. See Figure 7 & 8.

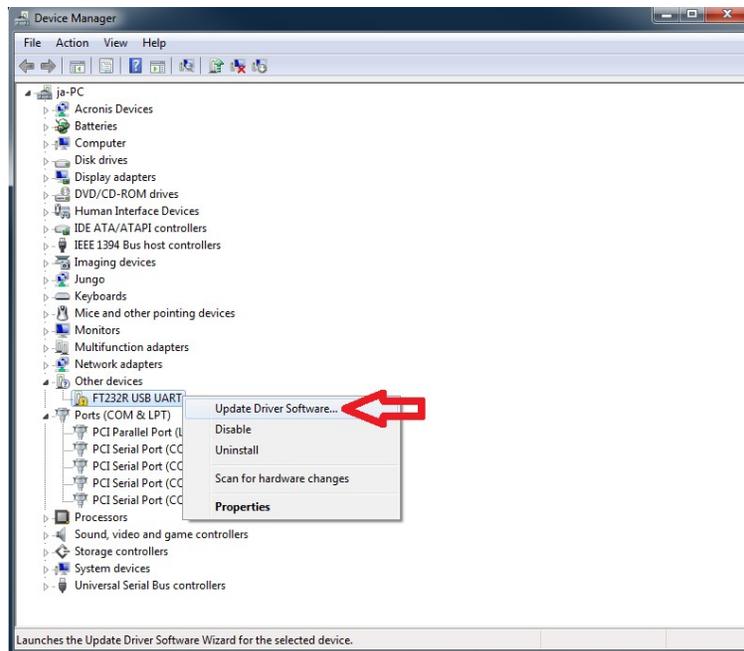


Figure 5. Updating the driver software

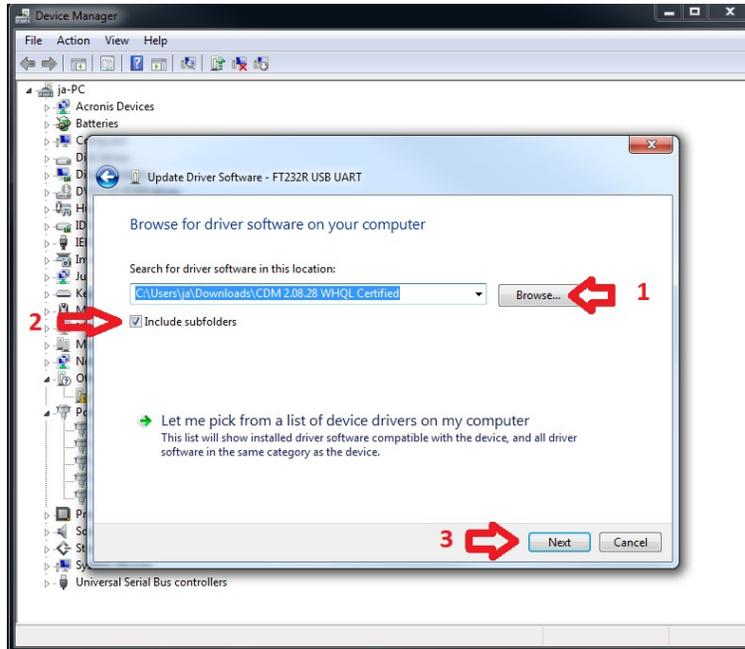


Figure 6. Providing the path to update the software manually

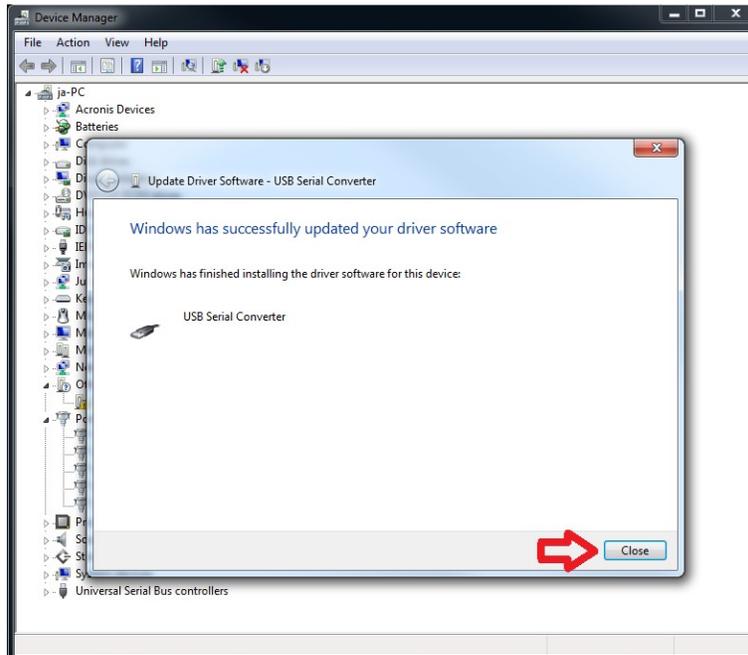


Figure 7. Software updated successfully

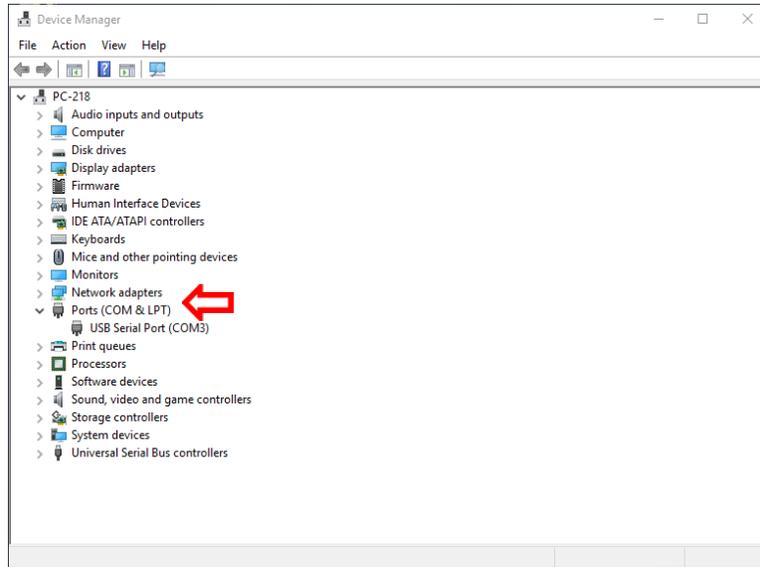


Figure 8. Updated driver software and ports (COM &LPT) option detected

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About Jasper Display

Jasper Display Corp. is a fabless semiconductor company based in Taiwan with R&D in Santa Clara. JDC offers leading Spatial Light Modulators (SLM), LCoS and uLED microdisplays, and digital modulation controller ICs.

Pushing electro-optical technology to its limits has resulted in us bringing to market the world's smallest UHD microdisplay. We provide our X-on-Silicon partners with the backplanes and expertise required to create the next wave of optical innovation.

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