LCD Configuration Steps using Aries LVDS Configuration Utility

Example Steps for configuring a single channel 1024x768 LCD panel

- 1) Download and extract the Aries LVDS Configuration Utility
- 2) Open the "DPCD tool V0.5" in the extracted folder
- 3) Select "Setup" option in the pop up provided.

WinZip Self-Extractor - DPCD tool V0.5.exe	
DPCD read/modify tool for NXP PTN33XX, 34XX Click "Setup" to run tool	Setup Cancel
	About

4) This will open up the Tool.

NXP DPCD tool v0.5	- 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 0	Addr: 0

- 5) In the "Addr" field enter the Address provided
- 6) In the "Write" field enter the Value provided for that address.
- 7) Click the "Write" button in tool, then proceed to next address.
- 8) Follow the below mentioned steps in the same order.

Steps:

a) Address 591 = 23 // Enable single channel mode

NXP DPCD tool v0.5	– 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 23 Window Snip	Addr: 591

b) Address 594 = 01 // Select EDID 0 which is by default 1024 x 768 resolution

NXP DPCD tool v0.5	- 🗆 X
ID string: "34601" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 01	Addr: 594

c) Address 59E = 0F // Override Hardware straps

NXP DPCD tool v0.5	- 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: F	Addr: 59E

- // Write the configuration table to internal flash
- d) Address 5F8 = 01

NXP DPCD tool v0.5	_	
ID string: "3460I" Hardware version: 1.1		Close
Engineering version: Production version: F1		Read
		Write
Write: 1	Addr:	5F8

e) Address 5F9 = 78

NXP DPCD tool v0.5	- 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 78	Addr: 5F9

f) Address 5FA = 45

NXP DPCD tool v0.5	- 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 45	Addr: 5FA

g) Address 5FB = 56

NXP DPCD tool v0.5	– 🗆 X
ID string: "3460I" Hardware version: 1.1	Close
Engineering version: Production version: F1	Read
	Write
Write: 56	Addr: 5FB

9) The LCD display is now configured