

TSXXXXX Rev A

Solutions Architect of Technical Services





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About This Manual

This document guides the user through installing and testing the VFD Rear Customer display on the Elo X-Series AIO touchcomputer.

The intended audience of this document includes: IT engineers, system engineers, electrical engineers, and end-users.

If after reading through this guide, you still have questions or need help getting your system up and running, please contact an Elo Touch Solutions Technical Representative. <u>www.elotouch.com</u>

Tools Needed

The following hardware and software is needed:

Hardware:

- Elo X-Series AIO Touchcomputer.
- Elo VFD Rear Customer Facing Display
- #2 Philipps Screwdriver

Software:

- Prolific PL203 Driver
- VFDSetupAp_V5.2

Procedure

1. Navigate to C: EloTouchSolutions/Peripherals/ and open the VFD Customer Display folder.



2. Extract and open the PL2302_Prolific_DriverInstaller.



3. Double click and run the PL2303_Prolific_DriverInstaller application.



4. You will receive the following dialog box - choose "Next."



5. The installer will begin the install process. This usually takes less than a minute.

PL-2303 Driver Installer Program	×
Setup Status	N-2X
PL-2303 USB-to-Serial is configuring your new software installation.	
InstallShield	Cancel

6. When the installer completes, choose "Finish."

PL-2303 Driver Installer Program			
	InstallShield Wizard Complete The InstallShield Wizard has successfully installed PL-2303 USB-to-Serial. Click Finish to exit the wizard.		
< Back Finish Cancel			

- 7. After installing the driver, shutdown the X-Series AIO in order to install the VFD to the unit.
- 8. Remove the plastic accessory cover from top of X-Series and plug the VFD into USB slot, fasten with the two provided screws.





9. Press the power button on the X-Series AIO to startup computer. The VFD should be displaying the factory information that is already embedded into the firmware.



10. After restarting X-Series AIO, Windows should automatically finish installing the Prolific USB-to-Serial Comm Port.



11. After Windows completes installation you can then go into the Windows Device Manager and see the new entry. In the example below it created COM6. This will be the comport that the VFD communicates through.



12. To test the VFD or to change the message, go to C: EloTouchSolutions/Peripherals, double click and extract the "VFDSetupAP_V5.2" file.

Correction Contraction	Solutions Peripherals VFD Customer Disp	ilay 🕨 👻 😽	Search VFD Customer	Display	٩
Organize 👻 🗦 Open	▼ New folder		:	≡ • 🔟	?
☆ Favorites	Name	Date modified	Туре	Size	
📃 Desktop	PL2303_Prolific_DriverInstaller_v1.8.0	12/31/2011 11:06	File folder		
🗼 Downloads	JPOS for VFD	7/23/2014 9:02 AM	Compressed (zipp	3,036 KB	
🖳 Recent Places	OPOS 5.8+Testing Utility5.2 for VFD	7/23/2014 9:03 AM	Compressed (zipp	13,594 KB	
	PL2303 Prolific DriverInstaller v1.8.0	7/23/2014 8:55 AM	Compressed (zipp	3,958 KB	
🥽 Libraries	VFDSetupAP_V5.2	7/23/2014 8:58 AM	Compressed (zipp	2,956 KB	
Documents					
J Music	Double click and ex	tract the VFDS	etupAP_V5.2		
Pictures					
Videos					

13. Double click and run the VFD_Setup.

C → W < VFDSetu	pAP_V5.2 > VFDSetupAP_V5.2	• ⁴ j	Search VFDSetupAP_V	5.2	x P
Organize 🔻 Include in	n library 🔻 Share with 🔻 New folder			•	?
🔆 Favorites	Name	Date modified	Туре	Size	
ka Desktop	Microsoft.VisualBasic.Compatibility.dll	7/25/2008 12:17 PM	Application extens	364 KB	
🗼 Downloads	🚳 System.dll	8/31/2012 6:40 AM	Application extens	3,120 KB	
📃 Recent Places	System.Drawing.dll	4/21/2012 8:15 AM	Application extens	616 KB	
	System.Windows.Forms.dll	3/20/2012 6:23 AM	Application extens	4,908 KB	
📜 Libraries	VFD.vfd	6/19/2006 4:05 PM	VFD File	1 KB	
Documents	WFD_Setup	4/14/2014 4:21 PM	Application	144 KB	

14. Choose the comport from the Com Port Select menu.

VFD_setup_V5.2			×
Interface Setting		1	
Com Port Select :			
Com6 T			Set All Default
	Get Setting From	Load	
Com1	VFD		Download Setting To
Com2 -		Save	VFD
Com3			
Cor Com4 Icom	Msq		
Com6	- Cal	of the Co	mport from
	Sele	ct the Co	mportirom
	th th	e drop do	wn menu
Character Type : USA	VEurpope (Default)	-	
1			
Command Mode : EPS	SON (Default)	-	
BaudRate Select :			
Badditate Select: 960	0,n,8,1 (Default)	–	
Passthru Mode : Non	e (Default)	T	
1			
Time To enter Stand-by	Status(around): N	o Stand-by Status (Default) 💌

15. Click on the "Welcome Msg" tab, select "ASCII" in the Welcome Msg 1 and Msg 2 section.

VFD_setup_V5.2			×
Interface Setting			
Com Port Select :			Set All Default
Com6 💌		Land L	
Baud Rate :	Get Setting From	Load	Download Setting To
9600,n,8,1 🔻	VFD	Save	VFD
Command Setting Welco	me Msg		
Welcome Msg 1			
	5 10	15	20 Clear
• ASCII * * *	VFD DISI	PLAY	
			Scroll
C Hex			
Welcome Msg 2			
P	5 10	15	20 Clear
ASCII * * H A	VEANI	CEDAY	
21	25 30	35	40 V Scroll
D TH	ANK YOU	• •	
C Hex			

16. Change the Welcome messages to whatever is desired and then select "Download Setting To VFD". NOTE: You must restart the VFD by disconnecting/reconnecting the customer display from the X-Series AIO. This must be done before the new message will display on the screen.



17. If you want to save the new message to be used later, simply click on the "Save" button, name the file and save it to a location on the AIO.

T VFD_setup_V5.2	T Save As
Interface Setting Com Port Select :	Search VFDSetupAP_V5.2 VFDSetupAP_V5.2 + 4 Search VFDSetupAP_V5.2 P
Com6 Get Setting From Load	Organize 🔻 New folder 🔠 🔻 🕢
9600,n,8,1 VFD Download Setting To VFD	Favorites Ame Date modified Type
Command Setting Welcome Msg	Desktop DVFD.vfd 6/19/2006 4:05 PM VFD File
Welcome Msg 1	Downloads
ASCII MY NEW MESSAGE GOES*	Tell Recent Places
Scroll	🛱 Libraries
C Hex	Documents
0 5 10 15 20 Clear	Music Distance
Image: Construction of the state	Videos
	r Computer
C Hex	🚢 OS (C:)
	File name: MY_NEW_MESSAGE.vFd
- INELWOIK	Save as type: VFD Files(*.vfd)
	Hide Folders Save Cancel A

OPOS Driver installation and Testing

The remainder of this procedure is only for installing OPOS drivers and testing with the OPOS test app. If you do not use OPOS please disregard the rest of this procedure.

1. Install the OPOS Driver: VFDOPOSSetup_v5.8.exe follow prompts on screen.



2. Install the OPOS Test App: VFDOPOSTest_v5.2.exe – follow prompts on screen.



3. After the driver and test app are installed you will find a shortcut to them in your Windows Start menu underneath a folder named: "POS". Click on the "DeviceSetup.exe"



4. Enter the Device Name "LD230" in the VFD section and then choose "Setup"

OPOS Device Re	egistry Setup vi	1.0.1.3		X
- Device Class				
Printer		-	Setup	Delete
CashDrawer		-	Setup	Delete
VFD	LD230	-	Setup	Delete
Scanner			Setup	Delete
MSR		-	Setup	Delete
Please input a new device name or select an existed device				
		Close		

5. Choose the correct comport that was created in the VFD driver installation at the beginning of this procedure. In this instance it is COM7. Change the Baud Rate to appropriate BAUD rate, in this case it is 9600. Then choose "OK" and the OPOS driver will be written to the system registry.

Setup Information	×
Device Port use : COM7	Сапсеl
RS - 232 parameters setting	
Baud Rate : 9600 T RTS (PIN4)	Flow Control
Data Bits : 8 🔽 🔽 CTS (PIN5)	Xon Char. : 17
Parity : NO T DSR (PIN6)	Xoff Char. : 147
Stop Bits : 1 T DTR (PIN20)	Transmit Start Off.
TD Timeout (ms) : 0 Logical Device Name Input the LDN	RD Timeout (ms) : 0
Device Port use : COM7	OK Cancel
RS - 232 paramete PROCESS	X
Baud Rate : 9600 Data Bits : 8 Parity : NO	w Control Software Handshake n Char. : 17 ff Char. : 147
Stop Bits : 1 OK ID Timeout (ms) : 0	Transmit Start Off. RD Timeout (ms) : 0

Input the LDN

6. Go to the Windows Start menu and choose the "VFDTEST" from the POS folder. When test app opens, choose the Device Name LD230 from the drop down menu.

VFD OPOS Test v3.0.08	X
Clear	Select Device Name
Display Text	
	- Column Row
Display Text At	
Blink Characters	
CharacterDelayTime	1 *100ms
OK	

7. Enter the desired text you want displayed on the VFD and then choose "Display Text".



8. The text should now be displayed on the VFD.



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