Application Note: Rename port name for SVX-4096



Version: 1.00

Date: 17 Feb 2021

Application Note

Rename port name feature for SVX-4096 P/N 4175500XX-3



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Date: 17 Feb 2021

Revision History

Date	Rev No.	Page	Summary
17 Feb 2021	1.00	All	First issued

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(1) Setup :

This application note will show how to rename the port name displayed on the OSD menu on the SVX-4096 controller.

Please make sure you have the following materials before starting the work :

- 1) The target LCD panel
- 2) The target SVX-4096 LCD controller board:
 - Use firmware version E1.07.00.22 or up for the SVX-4096.
- 3) TCP/IP Serial Utility program version 1.11 available from the Digital View website Accessories / Software page: www.digitalview.com/accessories/software.html
- 4) PC with RS-232 / network port
- 5) PC with Microsoft Windows 7 or later.
- 6) RS-232 programming cable (e.g P/N 426090100-3) or network cable. If using RS-232, please connect CN8 socket to PC serial port (2400bps, 8N1), if using network, please make sure the internal network is working.

<u>Use RS-232 programming cable (suggest to use P/N 426090100-3). DB9 connector</u> <u>connect to serial port, and Molex 51021-0600 / JST XHP-6 or compatible connect to CN8</u> <u>on the controller board.</u>

For RS-232 cable drawing P/N 426171800-3 :







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(2) Install the TCP/IP Serial Utility Program

Step 1: Install the TCP/IP Serial Utility program (Version 1.11 or later). (Please uninstall any earlier versions before installing the latest version)



Step 2: Open the TCP/IP Serial Utility Program

	Ţ	TCP/IP Serial Utility	- 🗆 🗙
File Tools Help			
● RS-232 serial port ○ Network	(TCP/IP) Model:	Auto Source Seek On	
Comm Baud 2400	Version:	Repeat The Test Times: 2 🗸	Start Test
Port Rate: 240	External Memory:	Random Test	
Select All Source	annect	Each test item delay: 0 v sec.	
Source 1 Source 2 Source 2 S		Source 9 Source 0 Source 10 Source 11 Source 12 C0	mmand Log: Clear All
	ource 4 Source 5 Source 6 Source 7	Source & Source 9 Source 10 Source 11 Source 12	older a
Active Test Item	Test Command Me	assure Value Pass / Fail Status Fail Feedback Command	
Active restriction	rest command	sasure value Pass/Pail Status Pail Peeuback Command	
<		> <	>
Test Item:	Test Command:	Measure Value: Manual send command	t .
		Add New Item	✓ Send
Disconnected 24	00 8-N-1		





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(3) Rename the port name display on OSD menu

Step 1:

> Use RS-232 serial port :

Select 'RS-232' under OSD menu location > Advanced > Communication > RS-232 :



Choose the communication port (RS-232 serial port) in TCP/IP Serial Utility Program and select corresponding "Baud Rate" (2400) matching with the controller. Then Click **Connect**.

File Tools Help				
RS-232 serial port	O Network (TCP/IP)			
Comm Port:	Baud Rate: 2400 ¥			
Skip Controller Initialization Checking				
Select All Source	Connect			

OR :





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> Use Network (TCP/IP) :

Select 'Network' under OSD menu location > Advanced > Communication > Network :



Choose the communication port (Network (TCP/IP)) in TCP/IP Serial Utility Program and select corresponding IP address for the controller you want to control. Then Click **Connect**.

				TCP/IP Serial Utility
File Tools Help				
○RS-232 serial port ●	Network (TCP/IP)	IP Address	Host Name	MAC Address
IP: 10.1.0.143	Port: 9761	10.1.0.143		00-05-62-07-00-03
Skip Controller Initializa	<		>	
Select All Source	Connect	IP Locator	•	<u>م</u>

If the connection is successful, it should show the SVX-4096 version :

œ			TCP/IP Serial Utility	
File Tools Help				
🔘 RS-232 serial port 🛛 🖲 Netwo	ork (TCP/IP)	Model: SVX-4096		🗌 Auto S
IP: 10.1.0.143 Po	rt: 9761	Version: E1.07.00.22		Repe
Skip Controller Initialization Checking		External Memory: Installed		Rand
Select All Source	isconnect			Each tes
ARGB1 DVI1 HDMI1 HDM	12 HDMI3	Display Port 1		

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Step 2: Choose 'Port Naming' under 'Tools' in the TCP/IP Serial Utility Program.



Input the port names (Maximum 11 Characters) to be changed and click 'Change'.



The port names are renamed and displayed on the OSD menu shown below :



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User Port	"0xee", "0x6D",	Command	
Naming	0x41"	Select Port	"nn" =
ON/OFF	"nn"		"0x41,0x31"- ARGB
(E1.07.00.21 or			"0x46,0x31"- DVI
later)			"0x48,0x31" HDMI
		On	"0x48,0x32" HDMI
	"1"	Off	"0x48,0x33" HDMI
	"0"	Query	"0x50,0x31" DP
	"?"		
Read / Write	"0xee", "0x6D",	Command	
User Port	0x42″	Select Port	"nn" =
Naming	"nn"		"0x41,0x31"- ARGB
(E1.07.00.21 or			"0x46,0x31"- DVI
later)			"0x48,0x31" - HDMI
			"0x48,0x32" - HDMI
			"0x48,0x33" - HDMI
			"0x50,0x31" - DP
		Read	Support ASCII Table
	"R" "r"	Write	"0x20 ~0x7f" but
	"W" "w"	Start for Naming String	not include "{"0x7b and "}" 0x7d
	"{"	Max 11 Char.	
	XXXXXXXXXX	End for Naming String	
	"}"		
ρσ Write 1			

(4) RS-232 commands for rename port name feature :

Send Code: 0xEE 0x6D 0x42 0x48 0x31 0x57 0x7B 0x30 0x31 0x32 0x7D Return Code:0xEE 0x6D 0x42 0x48 0x31 0x57 0x7B 0x30 0x31 0x33 0x7D 0x7B 0x30 0x31 0x32 0x7D 0x31 e.g Write 2 Send Code: 0xEE 0x6D 0x42 0x48 0x31 0x57 0x7B 0x48 0x64 0x6D 0x69 0x7D Return Code:0xEE 0x6D 0x42 0x48 0x31 0x57 0x7B 0x48 0x64 0x6D 0x69 0x7D 0x7B 0x48 0x64 0x6D 0x69 0x7D 0x31 e.g Read Send Code: 0xEE 0x6D 0x42 0x48 0x31 0x52

Return Code:0xEE 0x6D 0x42 0x48 0x31 0x52 0x7B 0x48 0x64 0x6D 0x69 0x7D





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(5) CONTACT DETAILS

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Specifications subject to change without notice

appnote - rename port name for SVX-4096 (Feb 2021)

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