

TechNotes

Revision 11/15/2019

Control 4 Troubleshooting Guide

Converging Systems LED and Motor Controller Systems

Backgrounder

Control4 has certified our Converging Systems drivers for use with Control4 platforms. We have systems inhouse that are running 2.10.6 (OS2) and well as 3.0.1 (OS3). All work perfectly. We have created this troubleshooting guide to assist in solving field issues. If you are unable to achieve success after following these directions, we recommend that you call Control4 for additional support.

Troubleshooting Steps

Step #	Test	Steps
<u>Step #</u> 1	Test Test communication from Control4 processor to Converging Systems' -Communication Device, and -LED and/or Motor Load Device(s)	-Within Composer, select the System Design tab and select the Communication Device to which the suspect ILC-xxx/IMC- xxx is connected.
		Composer 210.6 - Greyheavk (Local) File Enver go Tools Help System Design Properties Properties
		System Properties
		Properties Actions Documentation Lua
		O Dorbel User Teinet 2
		Lag Fordage Lights
		Wal outet
		I Rochen I Scaspe I Sign Judes I Sign Judes
		-Open up the Composer LUA Window for the Communication
		Device being tested/observed (i.e. e-Node here).



		Composer 2:10.6 - Greyhawk (Local)
		System Design Properties Properties List View
		System Properties
		VAV GY Properties Actions Documentation Lua
		User Telnet 2
		Password 2
		Frontage Lights Debun Level S. Debun
		Wal outet
		Ktchen Debug Mode Print and Log
		Shop Lights
		⊕ ∭ Theater ⊕ ∭ LED Intensity
		- System Remote Control SR-250
		Cable TV VIHF_VHF
		Television Note 2010 lab
		-Invoke a button push or slider operation on a known good
		Control4 user interface and see if LUA code appears in the
		1114 window (shown below). You must see commands such as
		#Z.G.N.TYPE=Command, level going over on Telnet (see
		#2.2.1.LED=SAT, 80 below). If you see the same command
		followed by a "PRI 8" as the next line in the sequence, you
		know data is getting to and being received by the target
		communication device for this is a
		mirroring/acknowledgement being broadcast back to the C4
		waters from the compression device /in this area the c
		system from the communication device (in this case the e-
		Node).
		Lua Outruit Pause Scrolling In 37 Col 1 Clear
		GROUP: 2
		ZONE: 2
		CMD: SAT
		NODE: 1
		Telnet-> #2.2.1.LED=SAT,80
		EvecuteCommand (SendZ(N)
		PAYLOAD: 77
		GROUP: 2 SUCCESSION SEEN BY
		ZONE: 2 Comm Device
		CMD: SAT
		NODE: 1
		Telnet - #2.2.1.LED=SAL,//
		v
		dhi i
		Provided you see the above type commands, you now know
		that
		(1) You have good communication from C4 to the
		Converging Systems' Communication Device (e-Node)
		(2) YOU have appropriate communication of Device specific
		commands flowing to ILC-100/IMC-100 devices (ON, OFF, etc.)
2	Test backchannel	-Follow the steps specified in Step 5a above and open the LUA
L		To now the stops specified in stop of above and open the EoV
	communication from	output window for the Communication Device (i.e. e-Node)
	-LED and/or Motor Load	-Press any button on a C4 User Interface Device that will
	Device(s)	change the state of the ILC-xxx/IMC-xxx device such as an ON
	- · · (-)	(if the LEDs are off) or an LIP (if the Materia down)
		-Monitor the LUA window (tor the target Communication
		Device and see if you see backchannel data in the form of a
		"I" prior to a command that indicator
		-Color (tor Hue, Saturation, and Brightness data)
		-Value (for RGB, or RGBW data)
		-Position (for Motor Position data)



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3	Launch the Converging Systems' Pilot application which communicates with the Converging Systems' e-Node Ethernet bridge. Note this step requires the Pilot application from the <u>Converging Systems</u> software download page.	NOTIFY BOTH Image: e-Node PILOT X File Interface Logging View Eelp Image: e-Node PILOT Image: e-Node PILOT X File Interface Logging View Eelp Image: e-Node Image: e-Node Image: e-Node Image: e-Node Image: e-Node Image: e-NoDE Milling Image: e-Node Im

