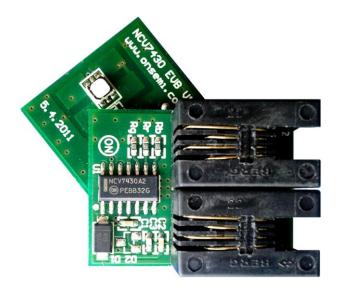


Test Procedure for the NCV74300V1GEVK Evaluation Board



- 1) Install the NCV7430 Evaluation Software. The USB drivers are included in the installation package. This installation requires administrator rights.
- 2) Connect LIN Interface to USB and wait until the device is installed. This step requires administrator rights.
- 3) Connect the boards according to the figure below.

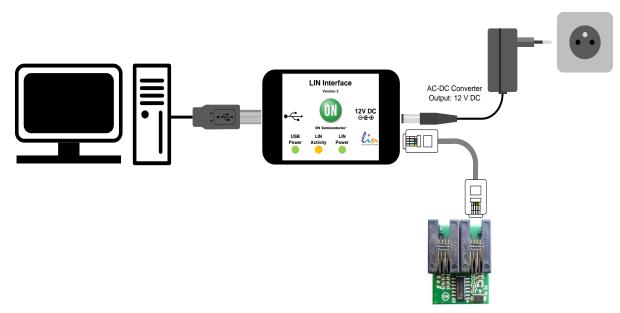


Figure 1. NCV7430 Evaluation Setup Connection

- 4) Run the NCV7430 Evaluation Software.
- 5) Figure 2 Node AD0 should be detected and highlighted in yellow, Figure 2.

			ion 2.2														
ain 🔤	Vetwork	configur	ation N	lode cor	figuration	n Node	e calibrat	ion LIN	l comma	inds Us	er script	language	e Misc	settings			
odes :																	
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\D16	AD17	AD18	AD19	AD20	AD21	AD22	AD23	AD24	AD25	AD26	AD27	AD28	AD29	AD 30	AD31	Get_Full_Status	Send request
\D32	AD 33	AD34	AD35	AD36	AD37	AD 38	AD 39	AD40	AD41	AD42	AD43	AD44	AD45	AD46	AD47		
\D48	AD49	AD50	AD51	AD52	AD53	AD54	AD55	AD56	AD57	AD58	AD59	AD60	AD61	AD62	AD63		
roups																	
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Figure 2. NCV7430 Evaluation Software Initial Screen

6) Click the detected node in "Nodes" table. The selected node should be highlighted in green and *Set_Color* and *Set_LED_Control* frames should be enabled.

Configure the Set_LED_Control frame as depicted in

7) Figure 3 and click respective Transmit button.

Configure the Set_Color frame as depicted in

8) Figure 3 and click respective Transmit button. These two commands can be sent in any order.

	430 Ev	valuati	on 2.2														
					figuratio	n Node	calibrat	ion LIN	comma	nds Us	ser script	languag	e Misc	settings			
Nodes																	
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AD16			AD19	AD20	AD21	AD22	AD23	AD24	AD25	AD26	AD27	AD28	AD29	AD30	AD31	Get_Full_Status 🔽 Send request	
AD32	AD 33	AD34	AD 35	AD 36	AD37	AD 38	AD 39	AD40	AD41	AD42	AD43	AD44	AD45	AD 46	AD47		_
AD48	AD49	AD50	AD51	AD52	AD53	AD54	AD55	AD56	AD57	AD58	AD59	AD60	AD61	AD62	AD63		
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l	.ED3 (Blu	ue):			· · · · ·	255	^			_			_				
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	Color : Set color									ke up Sleep		0 W	/ake up				
Se	t color		*		Transr	nit					Trans	smit					

Figure 3. NCV7430 Evaluation Software - Set_Color and Set_LED_Control configuration

- 9) The LED should be emitting white light (all three LEDs should be on at the corresponding intensity).
- 10) End of test.