	Preferences
Window Help	
Connections	OpenLCB 🕂
Connections Defaults File Locations Start Up Display Messages Roster Throttle Config Profiles Web Server Consist Control LocoNet over TCP Se JSON Server Railroad Name SRCP Server Simple Server Warrants	OpenLCB Image: Construction of the second secon
Save	Disable this Connection





Setting up the two Buttons on the first node.

Line 11 (Button2) Line 12 (Button3) Line 13 (Button4) Line 14 (Button5) Line 15 (Button6) Line 16 (Button7)
Line 1 (Button1) Line 2 (Button2) Line 3 Line 4 Line 5 Line 6 Line 7 Line 8 Line 9 (Button0) Line 10 (Button Line Description
Button1 Refresh Write
Output Eurocion
No Function Refresh Write
Input Function
Active Lo 🔽 Refresh Write
Delay
Delay time values for blinks, pulses, debounce.
Delay Time (1-60000)
0 Refresh Write
Units
Milliseconds V Refresh Write
Retriager
Yes Refresh Write
Event
Event 1 Event 2 Event 3 Event 4 Event 5 Event 6
Command
(C) When this event occurs
02.01.57.00.00.1A.00.00 Refresh Write Copy Paste Search
Action
None Refrech Write
increase in the increase in th
Event
Event 1 Vent 2 Event 3 Event 4 Event 5 Event 6
Upon this action
Input On Refresh Write
Indicator
(P) this event will be sent
UZ.01.57.00.00.1A.00.00 Refresh Write Copy Paste Search

Button1 on Input 1, Active Lo, when Event 1 is 'Input On' (i.e. low) the node will send eventid: 02.01.57.00.00.1A.00.06.

Line 11 (Button2)	Line 12 (Button3)	Line 13 (B	utton4)	Line	14 (Butt	on5)	Line 15	Button6)	Line 16 (Bu	tton7)	
Line 1 (Button1)	Line 2 (Bu	utton2)	ine 3 Li	ne 4 L	ine 5	Line 6	Line	e 7 Line	e 8 Lin	e 9 (Button0)	Line	10 (Button
Line Description						14/						
Buttonz	2				terresn	wn	le					
Output Function												
No Function	-	* Refres	n wn	te								
Input Function		1										
Active Lo	Refresh	Write										
Delay Delay time values	for blinks r	ulsos dobo	unco									
Interval 1 Inter	rval 2	Juises, debo	unce.									
Delay Time (1-60	0000)											
0			Refre	sh \	Vrite							
Units												
Milliseconds 🔻	Refresh	Write										
Retrigger												
No 🔻 Refres	n Write											
Event												
Event 1 Event	2 Event 3	B Event 4	Event 5	5 Even	t 6							
Command												
(C) When this eve	nt occurs			1	_							
02.01.57.00.00.1	A.00.0C	Refresh	Write	Сор	y F	aste	Sear	rch				
Action												
the line state will	be changed	l to			1							
None		• R	efresh	Write								
Event												
Event 1 Event	2 Event 3	3 Event 4	Event	Even	t 6							
Upon this action	- 1		1	1								
Input On		 Refres 	h Writ	te								
Indicator	1	_										
(P) this event will	be sent											
02.01.57.00.00.1	A.00.12	Refresh	Write	Сор	y F	aste	Sear	rch				

Button2 on Input 2, Active Lo, when Event 1 is 'Input On' (i.e. low) the node will send eventid: 02.01.57.00.00.1A.00.12.

Setting up the LED attached to Line 1 on the second node.

Line 8	Line 9 (Aux)	Line	10 (LG)	Line 11	(LY)	Line 12	(LR)	Line 13	Lir	ne 14	Line	15	Line 16		
Line	1 (LED)		Line 2	2 (LY)	Line	3 (LR)	l	ine 4 ((HG)	Lir	ne 5 (H	Y)	L	ine 6 (HF	2)	Line 7 (LY
Line De	scription									_						
LED							Ref	resh	Write							
Output	Function															
Steady /	Active Lo			▼ Ref	resh	Write										
Input Fi	unction						_									
Disable	d 🔽	Ref	resh	Write												
Delay		-														
Delay Delay til	me values	for bl	inks. r	oulses, d	ebounce.											
Interv	al 1 Int	Nal 2														
Delay	Time (1-6	0000)	_													
500		>			R	efresh	Wri	te								
Units							1									
Millise	conds -	Ref	resh	Write												
Detei	conus V	Rel	i con	write	-											
Retrigg	jer															
Yes 🔻	Refres	h	Write													
		_	_			_										
Event				-1/				_								
Event	1 Event	2 [E	vent	3 Even	t 4 Eve	nt 5	Event 6									
Comm	and an this out	nt oc	-													
(C) Whe	in this eve	111 000	urs					_								
05.02.0	01.02.02.0	\$4.00.	1E	Refres	h Wri	te	Сору	Pa	ste	Search	h					
	>															
Action	e state wil	he ch	ander	d to												
On (Li	ne Active)	De ch	unget	 	Refresh	1	Write									
			-		Renesh											
	_	_	_													
Event																
Event	1 Event	2 E	event a	3 Even	t 4 Eve	nt 5	Event 6									
Upon t	this action	>					_									
None				 Ref 	resh	Write										
Indicat	or															
(P) this	event will	be se	nt													
00.00	00.00.00	0.00	00				~									
00.00.0	00.00.00.0	0.00.	99	Refres	h Wri	te	Сору	Pa	ste	Searc	h					

Event1 is set to turn it on.

Line o Line 9 (Aux) Line 10 (LG) L	ine 11 (LY) 🕺 Line 12 (L	R) Line 13	Line 14 Line 1	5 Line 16	
Line 1 (LED) Line 2 (LY)	Line 3 (LR) Line	4 (HG)	Line 5 (HY)	Line 6 (HR)	Line 7 (LYF)
Line Description					
LED	Refres	h Write			
Output Function					
Steady Active Lo 🔻 Refres	h Write				
Input Function					
Disabled v Refresh Write					
Delay Delay time values for blinks, pulses, debo Interval 1 Interval 2 Delay Time (1-60000)	unce.				
500	Refresh Write				
Units					
Milliseconds 👻 Refresh Write					
Retrigger Yes v Refresh Write					
Event 1 vent 2 Event 3 Event 4 Command (C) When this event occurs 05.02.01.02.02.64.00.1F Refresh Action	Event 5 Event 6	Paste S	earch		
the line state will be changed to Off (Line Inactive)	tefresh Write				
Event					
Event 1 Event 2 Event 3 Event 4	Event 5 Event 6				
Upon this action					
None Refres	h Write				
Indicator					
(P) this event will be sent					
00 00 00 00 00 00 00 00 Pofroch	Write Conv	Docto C	a a wala		

Event2 is set to turn it off.

Open the LCC Traffic window, and then press the Buttons:

When Button1 is						OpenLCB Monitor				
pressed, it produces	Window Help									
this event.	-12:10:08.787: [[195b416d] 02 ,12:10:09.685: [[195b416d] 02	01 57 00 00 01 57 00 00	1A 00 06 1A 00 12] R: (] R: (02.01.57.00.00.1A 02.01.57.00.00.1A		Producer/Consumer Producer/Consumer	Event Report with E Event Report with E	ventID:02.01.57. ventID:02.01.57.	00.00.1A.00.06 00.00.1A.00.12
When Button2 is	-	Clear scree	n Fre	eze scr	een 🗹 Show raw	data 🗹 Show timesta Node 🗌 Event (First)	mps 🔲 Window alw 🗌 Event (All)	ays on top 🗹 Auto so	croll	
pressea, it produces	Filter Bytes:							Choose log file	Start logging	Stop logging
this event.	Add to Log									

Using the 'Copy' and 'Past' method to connect a Producer to a Consumer.

Line Description	
Duttout Europian	
No Function	
Active Low Refresh Write	
Delay Delay time values for blinks, pulses, debounce.	
Interval 1 Interval 2 Delay Time (1-60000)	
0 Refresh Write	
Units Milliseconds V Refresh Write	
Retrigger Yes V Refresh Write	
Event 2 Event 3 Event 4 Event 5 Event 6	
Command (C) When this event occurs 02.01.57.00.00.1A.00.00 Refresh Write Copy Paste Search Action	
None Refresh Write	
Event 2 Event 3 Event 4 Event 5 Event 6	
Input On Refresh Write	
Indicator	
02.01.57.00.00.1A.00.06 Petrach Write Conied Parts Court	
Other user of this Event ID:	
Davids Tower1.Port I/O.Line(1,LED).Event(1).Command	
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) 1	
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Steady Active Lo Tene 4 (HG) Line 13 (LYF) Line 6 (HR) Line 7 (LYF) Steady Active Lo Tene 4 (HG) Line 13 (LYF) Line 6 (HR) Line 7 (LYF) Steady Active Lo Tene 4 (HG) Line 12 (LYF) Line 14 (HG) Line 7 (LYF) Line 6 (HR) Line 7 (LYF) Steady Active Lo Tene 4 (HG) Line 12 (LYF) Line 14 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Steady Active Lo Tene 4 (HG) Line 12 (HG) Line 14 (HG) Line 7 (LYF) Line 14 (HG) Line 14 (HG) Line 7 (LYF) Line 14 (HG) Line 14 (H	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line Decomption Steady Active Lo • Refresh Write Input Function Disabled • Refresh Write Delay Delay Time (1-60000) 500 Refresh Write Units Milliseconds • Refresh Write Event 1 Cent 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this event for the short the form of the second of the	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line D Contput Function Steady Active Lo • Refresh Write Disabled • Refresh Write Delay Delay time values for blinks, pulses, debounce. Interval 1 Interval 2 Delay time (1-60000) 500 Refresh Write Units Millisconds • Refresh Write Refresh Write Ves • Refresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this event for Push Buttons.Port I/O.Line(L,Button1).Event(L).Indicator Action the line state will be changed to On (Line Active) • Refresh Write Event	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line Derividue LED Refresh Write Output Function Steady Active Lo TREFesh Write Delay Delay time values for blinks, pulses, debounce. Interval 1 Interval 2 Delay time values for blinks, pulses, debounce. Interval 1 Interval 2 Delay Time (1-60000) 500 Refresh Write Units Milliseconds TREFresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this event for Tush Buttons.Port I/O.Line(1,Button1).Event(1).Indicator Action the ine state will be changed to On (Line Active) TREFresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Unite state will be changed to On (Line Active) TREFRESH Write	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line Doutput Function Steady Active Lo Refresh Write Input Function Disabled Refresh Write Delay Delay time values for blinks, pulses, debounce. Interval 1 Interval 2 Delay Time (1-60000) 500 Refresh Write Units Millisconds Refresh Write Event 1 Dent 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this event orcurs D2.0157.00.00.1A.00.06 Defresh Write Fuent Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this event orcurs D2.0157.00.00.1A.00.06 Defresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Units Action The line state will be changed to On (Line Active) Refresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Unot 1 Event 2 Event 3 Event 4 Event 5 Event 6 Unot 1 Event 2 Event 3 Event 4 Event 5 Event 6 On (Line Active) Refresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Upon this action None Refresh Write	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.
Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LY) Line 12 (LR) Line 13 Line 14 Line 15 Line 16 Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Line 2 (LY) Line 3 (LR) Line 4 (HG) Line 5 (HY) Line 6 (HR) Line 7 (LYF) Refresh Write Output Function Steady Active Lo Refresh Write Input Function Disabled Refresh Write Delay Time values for blinks, pulses, debounce. Interval 1 Interval 2 Delay Time (1-60000) 500 Refresh Write Units Millisconds Refresh Write Event 1 Dent 2 Event 3 Event 4 Event 5 Event 6 Command (C) When this asset orcurs D2:01:57:00:00:1A:00:06 Peresh Write Delay Time state will be changed to On (Line Active) Refresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Command C) Mite this asset orcurs D2:01:57:00:00:1A:00:06 Peresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Command On (Line Active) Refresh Write Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Upon this action None Refresh Write	Using 'Copy' and 'Paste' to copy the eventid from Button1 to LED 'On' eventid.

Another method is to use the 'Search' function to choose an eventid.

		4.20+
Line 5 (HK) Line 7 (LTF) Line 8 Line 9 (Aux) Line 10 (LG) Line 11 (LT) Line 12 (LK) Line 13 Line 14 Line 15 Line 15 Line 14 Line 15 Line 16 (HG)		
Line Description		100
LED Refresh Write	1	
Output Function		Tr
Steady Active Lo 🔽 Refresh Write	100	
Input Function		
Disabled v Refresh Write		
Delay		5
Delay time values for blinks, pulses, debounce.		Mac
Interval 1 [Interval 2]	-	
Delay Time (1-60000)		
Not Kerresn Write		
		1 Click on Event?
Milliseconds V Retresh Write		I. CIICK OIT EVENILZ
Retrigger		2. Click on Search;
res V Kerresh Write		2 Type in 'Putton?'
		Z. Type III Bullonz
Event Event 2 Dent 3 Event 4 Event 5 Event 6		3. Choose Event1 and
Command		Indicator to chooco the
(C) When this event occurs		indicator to choose the
05.02.01.02.02.64.00.1F Refresh Write Copy Paster Search Button2		eventid which is produced.
Push Buttons Port I/O Line/2 Rutton2) Event/(1).Commar	nd
Action Push Butter, s.Port I/O.Line(2,Button2).Event(1)).Indicato	or D
The line state will be changed to Push Buttons.Port I/O.Line(2,Button2).Event(2, Push Button3).Port I/O.Line(2,Button3).Port I/O.Line(2).Commai	' 'Command' = consumed
Push Buttons.Port 1/0.Line(2,Button2).Event(2)).Indicato	wont and an action (output)
Push Buttons.Port 1/0.Line(2,Button2).Event(3)).Comman	
Event Push Buttons.Port I/O.Line(2,Button2).Event(4)).Commai	"indicator' = Input and
Event 1 Event 2 Event 3 Event 4 Event 5 Event 6 Push Buttons.Port I/O.Line(2,Button2).Event(4)).Indicato	nroduced event
Upon this action		
kellesit wite	10000	
Indicator (P) this event will be sent	1	
00.00.00.00.00.00.99 Refresh Write Copy Paste Search		
	10.0	
Line 6 (MR) / Line 7 (LVE) / Line 8 / Line 9 (Aux) / Line 10 (LC) / Line 11 (LV) / Line 12 (LR) / Line 13 / Line 14 / Line 15 / Line		
Line 1 (LED) Line 2 (LY) Line 3 (LR) Line 4 (HG)		
Line Description		
LED Refresh Write		
Output Function		
Steady Active Lo 💌 Refresh Write		
Input Function		
Disabled v Refresh Write		
Delay		
Delay time values for blinks, pulses, debounce.		
interval 1 interval 2	-	
Delay Time (1-60000)		
500 Refresh Write		
Units		
Milliseconds Vite		
Retrigger		
Yes Retresh Write		4 The evential is conied into the
Event 1 Event 2 Event 4 Event 5 Event 6		chosen field.
Command		
(C) When this event occurs		
02.01.57.00.00.1A.00.12 Lefresh Write Copy Paste Search		
Other uses of this Event ID:		to Write the
Push Buttons.Port I/O.Line(2,Button2).Event(1).Indicator		- abanga ta tha
Action the line state will be changed to		change to the
Off (Line Inactive) Refresh Write		Nodell

Now, pushing Button1 should turn on the LED, and pushing Button2 should turn it off.

DID you remember to Write the changes to the Nodes??