

Installation instructions for DigiLinX HAI Lighting Driver



The following equipment is required to integrate the HAI lighting system with the DigiLinX control system.

<u>DigiLinX:</u> Either the ControLinX (CL100) or MediaLinX Pro (MLA4000) <u>HAI:</u> HAI Controller with RS232 interface

# Step 1 Copy Driver File

Copy the driver file 'HAI.lua' to the drivers directory (Dealer Setup 2.0 or later required). If you installed Dealer Setup in the default directory then the drivers directory will be:

c:\Program Files\DigilinX Dealer Setup\Drivers

Note, if this directory does not exist, then you will need to create it

The HAI controller requires that DigiLinX specify the Security Code in order to gain remote access to the system.

The security code needs to be entered in the driver file. For your specific installation the driver file will need to be edited using a text editor such as Notepad.

Look for the following text in the driver file and enter your HAI security code. The HAI security code is set in the HAI system, please refer to your HAI documentation for more information on setting the security code within the HAI system.

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**DigiLinX<sup>™</sup> Application Note** 

# Step 2 Configure ControLinX

## IR/RS232 Settings

Configure ControLinX as a lighting service with a Generic Lighting driver From the driver File selection list, select "HAI.lua"

🔯 DigiLinX System Setup version 02.35.00 - T:\Naim Fairway.n	isp			X
File Edit Devices Tools Help About				
	Ð 💭 🗷 🛞	? (	6 8 4 2	
💞 Skins 📩	IR/RS232 Settings Labels	Menu Input	t Sensor	X
Macros	IR/RS-232 Settings			
Favorites	*Service Name:	НАІ		
Static Menus	OCTTICE Humen	IIAI		
System - A/V Distribution	enver:	Generic Lightin	ng 🔹	
Kitchen TL 1 (10.15.43.215)	Driver File:	HAI.lua	•	
DAB Radio ML (10.15.128.70)	Control Type:	Serial	Enable Service	
Rachael's Bedroom TL 3 (10 15 131 20	Baud Rate:	19200 Baud		
J Daniel's Bedroom TL 4 (10.15.43.32)	Data Piter			
Daniel's Bedroom SL (10.15.220.183)	Data Dits.	•		
DiningRoom TL (10.15.52.88)	Parity:	None		
Kitchen SL (10.15.82.133)	Stop Bits:	1 🔹	J	
DiningRoom SL (10.15.83.171)				
MediaLinX 3 ML (10.15.74.28)				
Slot 1 - LitePuter				
Slot 2 - BT Vision				
Slot 3 - HAI				
Slot 4 - Device 4				
Slot 5 - Heating				
Playroom TH (0.0.0)	* "Service Name" is what	at annears on	the Button in the GUI	
V 📚 Other Devices		at appears on		_
Media Servers	Apply		Cancel	2
V NS03 (10.1.1.9)	( times		Counter	-)_
NET STREAMS		Clear List	Find Devices	





#### Labels

Define the buttons for controlling the lights. Multiple buttons are defined as required. Each button has an Identifier which is specified as follows

U.ID.ACTION.PARAMS.TIME

where U specifies UNIT driver mode

	U	Unit Addressing	
	ID	Unit ID of the addressed item	
	ACTION	Specified ACTION to	be carried out
		on the UNIT. one of the	ne following:-
		ON	
		OFF	
		RAISE	
		LOWER	
		LEVEL	
		RAMP	
	PARAMS	Parameters as require	ed for each mode
		(not all aparameters r	equired for all modes)
	TIME	(optional) Time for Timed commands	
		(default units are seco	onds)
		T1	1 second
		T2s	2 seconds
		T3m	3 minutes
		T1h	1 hour
U. <id>.OFF</id>	UNIT OFF		
U. <id>.ON</id>	UNIT ON		
	Sets specified UNIT OI	N/OFF.	
	LED illuminates on the	TouchScreen button w	hen this UNIT is
	in the selected	state.	
	<id> UNIT r</id>	number	
Examp	le		
	U.1.ON	UNIT 1 ON	_
	U.2.OFF	UNIT 2 OF	F
	U.1.ON.T2s	UNIT 1 ON	for 2 seconds
	Brighten / Dim Specifie	d unit by 1 stop $(10\%)$	
	There is NO feedback	for the LED on this butt	on, and no auto-repeat when button is held
		umber	on, and no auto-repeat when buttom's held
Examp	le		
Examp	U.1.RAISE	UNIT 1 Brid	ahten 1 step (10%)
	U.2.LOWER	UNIT 2 Din	1 step (10%)
	U.1.RAISE.T10	UNIT 1 Brighten 1 s	step (10%)
		For 1	0 seconds



# $\mathbf{DigiLin} \mathbf{X}^{\mathsf{TM}}$ **Application Note**

U. <id>.LEVEL.</id>	<percent></percent>		UNIT S	et LEVE	EL percent
	Sets specified L	JNIT to p	percenta	ge level	l (0-100)
	There is NO feedback for the LED on this button.				
	<id></id>	UNIT nu	umber		
	<percent></percent>	Percent	age LE	/EL (0-1	100)
Exampl	е				
	U.1.LEVEL.50		UNIT	1 Level	50%
	U.2.LEVEL.25		UNIT	2 Level	25%
U. <id>.RAMP.</id>	<percent>.<time< th=""><th><del>?</del>&gt;</th><th></th><th>UNIT R</th><th>RAMP to percent over TIME</th></time<></percent>	<del>?</del> >		UNIT R	RAMP to percent over TIME
	RAMPS specifie	ed UNIT	to perce	entage le	evel (0-100),
	-	over TI	ME perio	bd	
	There is NO fee	) feedback for the LED on this button.			
	<id></id>	UNIT number			
	<percent></percent>	Percent	age LE	/EL (0-1	100)
	<time></time>	Time fo	r RAMP		
Exampl	е				
	U.1.RAMP.50.1	0s		UNIT	<sup>-</sup> 1 Ramp to 50% over 10 seconds
	U.2.RAMP.25.5	0		UNIT	2 Level 25% over 50 seconds
R. <id>.<action< th=""><th>1&gt;</th><th></th><th>ROOM</th><th>(HLC) c</th><th>control</th></action<></id>	1>		ROOM	(HLC) c	control
	<id></id>		Unit (H	LC Roo	em)
	<action></action>		Action		
				ON	
				OFF	
				A-L	recalls Scenes
Exampl	е				
·	R.2.ON				
	R.2.A				
	R.2.L				
UPB. <id>.<act< th=""><th>tion&gt;</th><th></th><th>UPB C</th><th>ontrol</th><th></th></act<></id>	tion>		UPB C	ontrol	
	<id></id>		UPB L	ink	
	<action></action>		Action		
				ON	
				OFF	
				SET	
CL. <id>.<actio< th=""><th>on&gt;</th><th></th><th>Centra</th><th>Lite Sce</th><th>ene Recall</th></actio<></id>	on>		Centra	Lite Sce	ene Recall
	<id></id>		Centra	Lite Sce	ene
	<action></action>		Action		
				ON	
				OFF	
RA. <id>.<action< th=""><th>on&gt;</th><th></th><th>RadioF</th><th>a Phan</th><th>tom Button</th></action<></id>	on>		RadioF	a Phan	tom Button
	<id></id>		RadioF	Ra Butto	n
	<action></action>		Action		
				ON	
				OFF	

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# **DigiLinX<sup>™</sup> Application Note**

LV.<ID>.<Action> <ID> <Action> Leviton Leviton Scene Action ON OFF SET

#### MACRO.<ID>

#### **Execute MACRO**





# **DigiLinX<sup>™</sup> Application Note**

#### Menu

Menu tab builds the menus that appear on the TouchLinX when a room is selected.







### **TouchLinX Hard Buttons**

If desired, the top hard button on the TouchLinX can be assigned to lighting function..

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File Edit Devices Tools Help About	
	2 2 IR (0 ?) (T t k k k k k k k k k k k k k k k k k k
▼ 🧽 System - A/V Distribution	Info User Interface Hard Buttons X
DAB Radio ML (10.15.128.70)	Select the Hard button you want to assign from the drop down box. Then set the options for that button.
Rachae's Bedroom SL (10.15.218.25)	
Daniefs Bedroom TL 4 (10.15.43.32) Daniefs Bedroom SL (10.15.220.183)	Please Select a Hard Button: Hard Button 1
Kitchen SL (10.15.82.133) DiningRoom SL (10.15.83.171)	Switch to Lighting Control Menu
Slot 1 - LitePuter Slot 2 - BT Vision Slot 3 - QS Slot 4 - Device 4	Select the Button you want to assign to the Hard Button: SS.A.1 - QS
Slot 5 - Heating Playroom TH (10.15.189.212)	
V Gother Devices	
▼	
Cameras	
Rear Garden	Apply Cancel
Net STREAMS	Clear List Find Devices

#### Step 3

Apply changes to project, and then upload settings to the system. This uploads the driver file and configuration settings.