



Modular Lighting Control

# Advanced Programming v1.1





# **Contents:**

Installation - Using Smart Touch Screen with built in bridge	1
(1) Setting up Rooms and Devices via Laptop and Software	2
Open Orcomm Toolbox	2
Enable Smart Home Configuration	4
Add Smart Home Profile	4
(2) Setting up Rooms and Devices via Touch Screen Only	7
Enabling Lighting Control - on home page	7
Enabling Digilux Smart Lighting	8
Adding Rooms / Zones	9
Adding Devices (light circuits) into the Rooms / Zones	11
Digilux pairing to Smart Screen	13
Digilux 2-way and Intermittent Pairing	15
Digilux - Touch Screen Test	17
Digilux Dimmer - setting Dimming Mode	
Digilux Dimmer - setting Min Light Level	18
Digilux Dimmer - setting Max Light Level	18
Troubleshooting	
No Zigbee response on screen	19
Light switch constantly flashes	19

# Installation - Using Smart Touch Screen with built in bridge:

There are 2 options when programming Digilux Smart Lighting:

- (1) With PC/Laptop, Software and Network
- (2) Using Touch Screen (No PC/Laptop)

Only follow 1 of the options.







# (1) Setting up Rooms and Devices via Laptop and Software:

Install and Ideal for multiple apartments where you will set up a preloaded configuration to be deployed across multiple screens. This section will explain how to use the Orcomm software to make profiles for apartment types.

If you need to download the free Orcomm Toolbox please visit www.orcomm.com/download

Follow the instruction on how to set up rooms / zones with devices (i.e. light switches and thermostat controllers).

Note: if this is the first time using Toolbox, please contact Orcomm support for further assistance as this manual will only assist in the Smart Home configuration. For example, you will need access and configuration details for the IP network.



### **Open Orcomm Toolbox**

		Orcomm Toolbox - Network Notice 🗕 🗙
		Network Notice
Orcomm Toolbox - Login 🛛 🗕 🗙	Orcomm Toolbox - Login 🛛 🗕 🗙	Please ensure that all devices are accessible from the current network, range and subnet that this PC is connected to
Enter Login Credentials Please enter username to login. Username	Please enter password.	If this PC is not on the same network range as all devices, this tool may not perform scan, upgrade or provision functions. Please read the FAQ if you are experiencing trouble provisioning smart screens or door entry panels.
OK Cancel	OK Cancel	ок
Default (Engineer)	Default (Commission)	"OK"







🖀 Orcomr	n Toolbox		—	D X
	COMM			
Toolb	XOX			
	Scan Network for	Firmware Upgrade	Firmware Upgrade	
	Orcomm Devices	(Single Device)	(Batch)	
	Firmware Upgrade	Auto Provision	Set Time & Date	
		r		
	Configure PC as NTP Server	Advanced (Orcomm Use Only)	FAQ	

Select "Auto Provision"



Select "Select New Site"

🔳 Save a new Orcomm Auto Provision File		×
← → ✓ ↑ ↓ > This PC > Downloads	ٽ <del>ب</del>	Search Downloads 🔎
Organise 👻 New folder		<b>≡ • (</b> )
Cuick access Cuic	No items match your search.	
File name: new site name		~
Save as type: Orcomm Auto Provision Files		~
∧ Hide Folders		Save Cancel

Choose a Site name for the file then "Save"





# **Enable Smart Home Configuration**

Auto Provisioning				
Global Settings	Smart Screens	Door Panels		
Multiple Deploymen	t Profiles	Smart F	Home Configuration	
Enable this option to allow a multiple global provision sett	site to cater for ings.	Enable th configura *This opti firmware	is option to allow for smart home tion profiles. ion is only available to devices with a version greater then 3.0.0.	

Select "Enable Smart Home Configuration"

# Global Settings Smart Home Configurations Smart Screens Door Panels Multiple Deployment Profiles Smart Home Configuration Smart Home Configuration Image: Smart Home Confi

New tab will appear

Auto Pro

# Add Smart Home Profile





Enter Profile description (i.e. 1 Bed 1 Bath)

Select "Add"

a Auto Provisioning				
Global Settings	Smart Home Configurations	Smart Screens	Door Panels	
Manage Smart Hom Add Ren Duplicate Profile	e Profiles	Smart Home  *This option is o  Climate C  Climate C  Lighting C  () Input/Out	ly available to devices with a firmware versio introl Options ptions put Options	n greater then 3.0.0.

Each profile will appear in list

For faster setup, select 1 type then duplicate, rename and add extra rooms and lights

Communications Type	DigiLux 🗸
Select the preferred communication protocol used to communicate for lighting.	

Save	-	Save As	

Select "Lighting Options" and change to "Digilux"

Select "Save"





lobal Settings Smart Home Configurations	Smart Screens	Door Panels	
anage Smart Home Profiles Add Rename Remove Duplicate Profile bed 1 bath	Smart Home "This option is o Climate C Ughting ( Input/Out	hy available to devices with a firmware version greate ontrol Options put Options ++++++++++++++++++++++++++++++++++++	r then 3.0.0.

Room 1	
Zone ID:	1 ~
Name:	Room 1
Zone Type:	Living Room v
Default Zone:	
	STATS







Description:	Downlights	
Light Type:	Dimmer *	
Description:	Pendant	
Device ID: Light Type:	2 × Dimmer ×	
{	+	





Rename the room

Rename Light 1 (i.e. Downlights) then "+" for more



Select "+" at the bottom to add another room



Make sure al	rooms	are in	the	profile
--------------	-------	--------	-----	---------





Auto Provisioning			
Global Settings	Smart H Configura	Sma	art Screens
Sort	Add	Bulk Add	Show N
Find	Devices	Pro	visioning ID
Scan & M	erge from Site		901

#### Select "Smart Screen"

a A	uto Provisioning													
	Global Settings	Smart Home Configurations	s Sn	nart Screens	Door Panels									
	Sort	Add	Bulk Add	Show	Network 🗌 Show Ad	vanced	🗌 Sho	ow Elevator Co	ontrols					
			Pr	ovisioning ID	Smart Home Profile		Site	Building	Floor	Room	Device		Sync Code	MAC Address
	Find De	evices		[	None	~	1	1	1	1	Main Device	~	157278	BC:F8:11:0E:56:61
	Scan & Merg	e from Site		901	None			9	0	1	Main Device	~	746888	BC:F8:11:08:A9:DA
	Devices F	ound: 2												

Ensure you have provision ID (not MAC address) on screen before Provisioning and that the Smart Home profile is selected.

Auto Provisioning								
Global Settings	Smart Ho Configurat	me ions	Smart Screens	Door Panels				
Sort	Add	Bulk Add	Show	v Network 🗌 Show A	dvanced	Show	w Elevator C	ontrols
		4	Provisioning ID	Smart Home Profile	2	Site	Building	Floor
Find	Devices			None	~	1	1	1
Scan & M	lerge from Site		901	1 bed 1 bath			9	0
Device	es Found: 2							

#### When both are correct then Provision



Select Screen, then right click "commissioning > Provision > Send to Device"









### (2) Setting up Rooms and Devices via Touch Screen only

Ideal for stand alone and demo suites with no back up. This section will demonstrate how to add rooms / zones, devices and setup Digilux to work locally.

### **Enable Lighting Control - On Home Page**



Select "More"



Hold Top right corner for hidden menu











Select "ON" for lighting control then "save"



#### Return to home page

www.orcomm.com







# **Enable Digilux Smart Lighting**



Personalisation Calls & DND Date & Time Location

Select "More"

Hold Top right corner for hidden menu



Select "Zones" then Enter "123456"



Select "Digilux" then "Save"

Setup Configuration

#### Select "Configuration"

Communication protocols							
	Lighting protocol:	O Digitex	Oigilux	O ORC-NET			
+				SAVE			

Select " $\leftarrow$ " to Return





#### Select "Digilux" then "Save"

### Adding Rooms / Zones





Hold Top right corner for hidden menu





Select "More"





Select "Add New Zone"



Then select "Next"

Enter Name (keyboard will appear)

Zone Nam	e Livi	ng	
Zone I	d <u>1</u>		
Zone Typ	e Livir	ng •	
1	2	3	•
4	5	6	Done
7	8	9	V
	0		

Enter a number for Zone ID then "Done"







	Zones
Living	ID: 1 Type: Living O devices found
< <b></b>	ADD MARK

Then "Save"

Repeat process by adding more rooms

Note: Only add rooms which contain a light circuit or switch.



Select " $\leftarrow$ " to Return







# Adding Devices (light circuits) into the Rooms / Zones



Select "More"



Hold Top right corner for hidden menu

	(i)	⇒ 🏠	රා	
	Info	Zones	Advanced	
÷				

Select "Zones" then Enter "123456"







Select "Devices"

Device Name Device Id Device Type Light •	Dimmable	
<del>~</del>		SAVE

Enter "Device Name" (keyboard will appear)









Enter information then "Next"



Enter Number for "Device ID" then "Done"

Device Name Device Id Device Type	Downlights 1 Light •	Dimmable	•
÷			SAVE

Choose if Dimmable or not, "Save"

		Devices			SORT: TYPE
	Downlights		Type: Subtype: ID:	Light Dimmer 1	
÷		ADD MARK			

If more lights then "add" (example pendant)

		Devices		SORT: TYPE
	Downlights		Type: Subtype: ID:	Light Dimmer 1
	Pendant		Type: Subtype: ID:	Light Dimmer 2
÷		ADD MARK		

Note: Device ID must be different for each light

	Zones	
Living	ID: 1 Type: Living 0 devices found	DEVICES
+ <b>(</b>	ADD MARK	

Select " $\leftarrow$ " to Return

Repeat this process for all rooms. Add each light to the dedicated room.





### **Digilux pairing to Smart Screen**



Select "More"



Hold bottom right corner for hidden menu



Available device entries Detected modules ASSIGN CLEAR BACK ZONE SETUP SCAN DISCOVERY

Select "Setup"



Select "Discovery"

#### Wait for scan to finish



Discovery mode will be active, ready for Digilux

#### **Pairing the Digilux**

Hold down the first power button for 6 seconds, release and then press 3 times on all of the installed Digilux



Now the Digilux are in discovery mode.



www.orcomm.com





Detected modules

DISCOVERY

Downlights Id: 1 Three DUMMER		1-gang (address = 0xe9a3) Channel: 1 Type: DIMMER
Pendant Id: 2 Type: DIMMER	ASSIGN	
	CLEAR	



SAVE

SCAN

Select a light to sync

Available device entries

Available device entries		Detected modules
Living Downlights iii, 1 Syse TomMER Pendant Hi: 2 Type: DIMMER	SAVE	1-gang (address = 0xe9a3) Channel 1 Type Dinnar
BACK ZONE SETUP	]	SCAN DISCOVERY

Select Light Module

(Digilux Light will flash)



ZONE SETUP

BACK

Id: 2 Type: DIMMER



Repeat above steps for each light circuit



**Exit Pairing Mode** 





# **Digilux 2-way and intermittent pairing**





Hold bottom right corner for hidden menu



Select "Setup"

Select "More"











Select "Assign"







Living		4-gang (address = 0x9eae)
Downlights lie .1 Pype: DIMMER Pendant le .2 Type: DIMMER	SAVE CANCEL	Churret 1 Type Disinition Type Disinition Type SWITCH Charlet 4 Type SWITCH 1-gang (address = 0xe9a3)
		Channel: 1 * Ø Downlights

Select "confirm"

Select all "2-way / intermittent" switches associated

#### NOTE:







All the switches (Master and 2-way) will flash that have been grouped.



Choose which is Master, then select "Save"

Living			1-gang (address =	Oxe9a3)
Downlights Id: 1 Type: DIMMER Pendant Id: 2 Type: DIMMER	Ø 1 churrent	ASSIGN	Channel: 1 * Type: DIMMER	Downlights



#### **Exit Pairing Mode**

Repeat above steps







# **Digilux - Touch Screen Test**



Enter the "Light Control" area and test the lights are sync correctly



	LIVING	
^	5	^
Ċ	)	$\bigcirc$
~	ł	$\sim$
Downlig	ghts	Pendant
<del>\</del>		

Light off



#### Check dimming (if applicable)



#### Return " $\leftarrow$ " When finished

Light on







# **Digilux Dimmer - Setting Dimming Mode**



Hold "Centre" button for 15 seconds (until LED Flashes) Toggle between Trailing and Leading Edge

# **Digilux Dimmer - Setting Min Light Level**



Hold both "Centre" and "Down" button for 5 seconds Set minimum light level Press "Centre" button to save

### **Digilux Dimmer - Setting Max Light Level**



Hold both "Centre" and "Up" button for 5 seconds Set maximum light level Press "Centre" button to save







### Troubleshooting No Zigbee response on screen

No Gateway connected or no power. The below screens are examples of errors



- Does the screen have a Digilux bridge inside or have an external bridge / gateway 1.
- 2. The bridge requires PoE or local 12V powered to Monitor. cannot use USB power
- 3. Is there anything else on the RS485 or short on the cabling
- 4. Select Restart / reset to see if the system can reconnect

### Light switch constantly flashes

- 1. This could be caused by an installation error, i.e. overload / cabling
- 2. The Digilux switch is being sent a signal to be in setup mode. Reset screen and power to Digilux



