

Oelo Lighting Solutions Integration Guide



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Overview

URC's Oelo Lighting two-way Unified Lighting module provides control and feedback to a variety of compatible devices. The module also provides custom macro integration.

Requirements

- The controller needs to be online with a reserved IP address.
- Ensure that the .TCM3 module has been downloaded and imported onto the programming computer.
- For more information on how to import a two-way module, please refer to the <u>Working with Two-way Modules</u> document.

Additional Notes and Features

- When the module starts up, it will connect and query the controller. It will then populate.
- Please see our guide on using the <u>Unified Lighting</u> interface.

Supported Devices

Oelo Evolution Systems

General Information

1

Module:	URC_Oelo_A
Developer:	URC
File Type:	*.tcm3
User Interface Type:	Unified Lighting
Communication:	IP
Category:	Lighting
Module Type:	Core Only
URC Compatibility:	Accelerator 3
Two-way Module Commands:	Yes
Authentication Required?:	No
Parameter Inclusion?:	Yes, device launch color



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Adding & Configuring the Module

TCM files are found by using the TCM Management option in Accelerator or on the <u>URC Dealer Portal</u>. Once you have downloaded and imported the file, perform the following steps to add the module to a project:

This module can be added to any new or existing Total Control system.

Adding the [Core]

The [Core] model contains all the system data that runs and operates the module. [Core] models do not display on any interface.

- 1. Select 4. Add Other Devices from the Programming Bar.
- 2. On the Step 4 Add Non-URC Devices screen.
 - A. Select a room for the core to be added to.
 - B. Select My Database.
 - C. Select IP Database.
 - D. Select Lighting category.
 - E. Select OELO from the brand list.
 - F. Select OELO CONTROLLER [Core] from the model list.
 - G. Select Add Selected Modules to add it to the project.







Choose which room in the system to place the module. It is a best practice to place Core modules into a room labeled "**Core**". This room can be hidden later from the **Room Properties** menu.



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Adding & Configuring the Module (cont'd)

- **3.** The Unified Module Room Selection window pops up. This window is asking what rooms to provide access to the unified module.
 - **A.** Select **Lighting Control** from the Select Unified Module section.
 - **B.** Select the rooms where Lighting Control will be accessible.
 - C. Select Apply.







Adding & Configuring the Module (cont'd)

4. Select Step 6: Network Setup from the Programming Bar



- 5. One the Network Settings page:
 - A. Select c. Non URC Device.
 - **B.** Enter the **IP address** of the controller.
 - C. The Port can be left as is.

0				
<u>ن</u>				
a.LAN & Wifi b.URC Device c.Non URC Device				
Room	Device	IP Address Port		
Office	Oelo	192.168.1.101 B 0 C		



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Adding & Configuring the Module (cont'd)

6. Select Step 7: Properties Manager from the Programming Bar.



- 7. Select Oelo [Core] from the Project Tree.
- 8. On the Properties Manager page:
 - **A.** Select **Module Parameters** from the Available Property section.
 - B. The RGB values used in the System Parameters Information section will be the color when the light is turned on. The default values that are set will result in the lights turning on with a color of yellow. To have the light tun on with a color of white, please use the RGB values of 244, 246, 247.
 ## Default Power On Color 0-255 Red,Green,Blue ## Default Color = 245,212,131
 - C. Select Apply Changes.







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Adding & Configuring the Module (cont'd)

9. Select Step 11. Edit User Interfaces from the Programming Bar.



10. Select Accelerate!

Generate Menus & Devices b.Edit Menus by Room c.Edit Device Lavouts				
Jomenu System Options				
Included Submenus Submenus are only created if there will be button	s			
Entertainment : O Yes No present. Empty submenus are not generated.				
Music : O Yes No If a submenu is set "No", any button that would n be there will instead be generated on the main m	iormally enu.			
Lights : O Yes O No				
Comfort : O Yes O No Select an item and a jump to it will be created				
Security : O Yes O No in the appropriate menu for each room				
Info : O Yes O No Sleep Timer				
Settings : O Yes No				
Multiple Displays : Yes ONo ?				
Timer : O Yes No Vacation Mode				
Music Menu Options				
Use dedicated Multi-Room Music submenu				
This option will create a dedicated sub menu for the URC Audio Multi-Room Music available to system. When ready press the Accelerate Button				
Edits made to this URC Audio submenu are duplicated in every room's URC Audio submenu; this found reduce the time scent edition this unique of the audio submenu; this found reduce the time scent edition this unique of the audio submenu; Accelerate! 10				
However it is NOT possible to remove a URC Audio source from the submenu, or add a non-URC Audio source to the submenu.				
O Use combined Music submenu				
This option will create a single Music submenu in all applicable rooms. This submenu will contain both URC Audio sources AND local sources available to that room. Edits must be made on a per-room basis. There are no GLOBAL changes.				
Button Icon Theme				
Select from any of the installed button icon theme sets. Themes can be downloaded from the URC Dealer Portal. Example image is displayed to the right if available.				
Flat Vector Set 6				



By default, buttons to access the module are placed on the Main Menu.

These buttons can be relocated to a different page or sub-menu by **dragging-n-dropping** it into the desired location.

Keep in mind, if the system is Accelerated with the **ERASE** option, this button **returns to its original position** on the Main Menu.

Step 11 Main Menus/Layouts: Edit Menus by Room		
jā:		
a.Generate Menus & Devices b.Edit Menu	s by Room c.Edit Device Layouts	
1. Selected Room : Page 1 Office Image: Settings Previous Next 2. Select View : Image: Settings TC Model Image: Settings		
	Hide Main Menu *	
	Previous Page	

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Adding & Configuring the Module (cont'd)

11. Select Step 12. Macro Editing from the Programming Bar.



12. Select Accelerate!

13. Make additional programming changes as needed within the remaining steps. Once completed, save the project and **Download** to the system.

ep 12 macros, Macro Genera	uon opuons			
↓↓				
a.Auto Macro Generation	b.Macro By Room	c.Special Macros	d.Automation Mac	ros e.TKP-100 Macros
Macro Programming Options				
-Macro Acceleration Optio	ns]	
Preserve user edite	d macros while gene	erating macros.		
This option will that appear to be erased rege Universal Macr	not erase and gener have been previous enerated. os will not be affecte	rate new versions o ly edited. Other ma ed.	of macros acros will	
ERASE ALL existing macros and create new ones using these options.				
This will erase all existing macros, including those on the main menu and device layout pages of the user interfaces. Universal Macros will not be affected.				
TV Off Command				
TV Device Power O ROOM OFF macro	FF command is gene	rated only for the		
O TV Device Power O and MUSIC macros	FF command is gene	rated for ROOM OF	Ŧ	
Source Device Power				
Devices are turned when a ROOM OFF	ON when needed ar command is issued.	nd turned OFF only		Choose the setup options for auto generation of macros in the system. When ready press the accelerate
Devices are turned when NOT NEEDED	ON as needed and t , or a ROOM OFF co	turned OFF mmands is issued.		





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Module Operation: Commands and Queries

Two-way Module Commands (TCL Commands)

Two-way module commands are special functions that are derived from the two-way module and is a way to send discrete commands to the Oelo Lighting Devices.

1. Select Step 12. Macro Editing from the Programming Bar.



- 2. After selecting Step. 12:
 - A. Select sub-step b. Macro By Room
 - B. Select 🖆 (TCL Command).
- 3. In the 2-Way Module Command window:
 - C. Enter a Name for the command being created.
 - D. Choose an Available Device (Oelo [Room]).
 - E. Choose the desired command or query from the Available Command drop-down.
 - **F.** In the **Parameters** section, enter the associated information for the Available Command chosen.
 - G. Click OK.



Name : Oelo	Zone Number(s) (multiple seperated with
Available Devices : Oelo [Office]	Description Turns the programmed zone or zones off.
Available Command : Turn Zones Off Turn Zones Off Set Zone Color Set Custom Pattern Get Zone State	▼
Result	Prev Next Create Variable





Two-way Module Commands (TCL Commands) cont'd

Available Commands and their associated Parameters.

2-Way Module Command	Parameters
Name : Oelo	Zone Number(s) (multiple seperated with
Available Devices : Oelo [Office]	Description Turns the programmed zone or zones off.
Available Command : Turn Zones Off Turn Zones Off Set Zone Color Set Custom Pattern Get Zone State	
Result	Prev Next Create Variable
ОК	Cancel

Command/Query	Parameters
Turn Zones Off Turns the programmed zone or zones off.	Zone Number(s)
Sets the zone or zones to a selected color.	Zone Number(s)Color
Set Custom Pattern Sets the custom pattern to the specified zones.	 Zone Number(s) Pattern Type Number of Colors (1-1000) Colors (0-255) Direction Speed (1-20) Gap (0-20) Other (0-20) Pause (0-20)
Get Zone State Returns current zone state. 1 for <u>on</u> , 0 for off	Zone Number



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