

ACCOUNT SETUP	3
CONNECT CONTROLLER	4-5
ZONE SETUP	6-7
MAIN APP NAVIGATION	8
SETTINGS	9
LIGHTING SCREEN	10
MOVEMENT MODES	11
PATTERNS	12-13
SPOTLIGHT MODE	13
SCHEDULES	14-15
TROUBLESHOOTING	16-19
MATERIAL REFERENCES	

APP DOWNLOAD......2

PERMANENT HOLIDAY LIGHTS





GETTING STARTED

Congratulations on the purchase of your new Oelo multi-color lighting system. This manual is for the setup and operation of the **OELO LIGHTING SOLUTIONS EVOLUTION APP**, which can be downloaded from the Apple App Store or Google Play Store.

INITIAL SETUP: DOWNLOAD THE EVOLUTION APP



Oelo Evolution



STEP 1: Search "OELO," then download the **OELO EVOLUTION** App from the Apple App Store or Google Play Store. (Look for the light blue icon for our latest app version.)



I T-Mobil **〈** Search Oelo Evolution oelo ATT T OPEN CATEGO 4 RATINGS 馬 4+ 4.5 Lifesty **** Version Histor What's New 3w ag Version 1.1.4 - Saved Pattern Filters added Bug fixes Preview 7.42 ÷ 243 oelo Create New Schedule ----

0 0



Your Oelo Evolution System works with Alexa and Google Home. For setup and commands, please visit oelo.com/resources/manuals for separate instructions.



INITIAL SETUP CONTINUED: CREATE YOUR ACCOUNT

STEP 2: Plug in the Oelo controller box and wait for power to turn on.

POWER / CONNECTION INDICATORS



Red Light: The Controller is receiving power.

Blue Light Slow Flash: The Controller is starting up, updating or attempting to connect.

Blue Light Fast Flash: The Controller is ready to connect to the App. Continue to Step 3.

Blue Light: The Control Box is connected (after Step 9 completion on the following pages).

PRO TIP: Oelo Delaers can connect via the Controller AP, if they want to - test the lights without an account.	

LOGIN		
EMAIL		
PALIWOID		
		Forgot Possword?
	SIGN IN	
	Don't have an ac	count?
	EGNUFINDIN	
	Controller not o	nice?
	Connect via Contro	oter AP

STEP 3: Open the Oelo Evolution App. If this is your first time signing in, please create an account. >

(If you are an existing Oelo customer, who purchased a controller retrofit, you also will need to create a new Oelo Evolution account.)

SIGN UP	
DEST NAME	LAST NAME
EMAIL	
ADDRESS	
6174	STATE
	Please Select v
31P CODE	TIME ZONE
	Please select
PATEWORD	
PASTICORD RIPLAT	
INSTALLER/DEALER	
Self install	
CRE	ATE ACCOUNT

STEP 4: To create your account, tap "Don't have an account?" and complete the Sign Up form.



CONNECT YOUR CONTROLLER

Connect your Oelo Controller to your smartphone to operate your lights from anywhere in the world!

INITIAL SETUP CONTINUED: FIND YOUR CONTROLLER

Welco	me	
LET'S SET CONTROL	UP YOUR OELO LER	
	FIND MY CONTROLLER	
More info;		
 Tum or If you frequencies Be with 	n Bluetooth have multiple controllers, burn of the one you want to configure. In 30 feet of the controller.	al

STEP 5: Select FIND MY CONTROLLER.



STEP 6: Wait for the App to find the Controller. Stand close to the Controller for the fastest results.

Co	onfigure WiF	i i
Plea your	se select your wifi ne password.	stwork and enter
Hor	ne Network	×
pas	sword	
_	SET WID	

STEP 7: Select your WiFi network from the dropdown menu and enter your network password.

STEP 1: CHECK THE CONTROLLER INDICATOR LIGHTS

Red Light: The Controller is receiving power. (If this light — is not illuminated, check that 1) a breaker hasn't been tripped, 2) the box is plugged in and 3) the Power Switch is flipped in the ON position (toward the orange connectors).

If the Red Light is off and the above steps don't help, "re-boot" your box by unplugging and plugging it back in, then watch for the Blue Light to run through this series ...

Blue Light Slow Flash: The Controller is starting up, updating or attempting to connect.

Blue Light Fast Flash: The Controller is ready to connect to the App. Return to Step 5. (The Blue Light will stop flashing and glow solid once Steps 5-8 are completed successfully.).



oelo.com



INITIAL SETUP CONTINUED: CONNECT TO YOUR WIFI

Logout	Logout	Logout
Waiting for WiFi Connection Please wait up to 30 seconds	WiFi Connected! Please enter a name for your controller. Oelo Lights	No WiFi Networks Found Please ensure the antenna is connected and the controller is within range of your WiFi network.
0 0 0	SET NAME	
STEP 8: Wait for WiFi connection.	STEP 9: Enter a name for your controller, like "Home."	IF YOU CAN'T CONNECT:

STEP 2: CHECK CONTROL BOX ANTENNA

If re-powering the Control Box does not work, check the Control Box Antenna. **Disconnect the power first before touching the antenna!** Ensure the antenna is connected to the Controller by firmly pressing down on the antenna attachment, then run through the initial setup instructions.



STEP 3: CHECK NETWORK RANGE

Make sure the Controller is within range of your WiFi network and confirm your network is working properly.



ZONE SETUP

Oelo's state-of-the-art controller touts **SIX INDIVIDUALLY ADDRESSABLE OUTPUTS**, which allows you to control more than half a dozen zones separately from one controller for creative, hybrid installs and out-and-down lighting effects!

MORE ABOUT OELO "ZONES"

WHAT ARE ZONES?

Zones are separate light strand outputs that you can control independently from one another, allowing you to run different colors, movements and patterns from each zone. Each Oelo Controller can support up to six Zones. Before installation, your installer would have determined how best to illuminate your structure(s) and if zones were needed.



Zone 1 Signal Output Zone 2 Signal Output Zone 3 Signal Output Zone 4 Signal Output Zone 5 Signal Output Zone 6 Signal Output

Zone Outputs

BELOW IS AN EXAMPLE OF HOW ZONES CAN BE UTILIZED:



ZONE 1: The first Zone runs across the first- and second-floor facade, facing **OUTWARD**, to create traditional lighting.

ZONE 2: The second Zone is hung **DOWNWARD** to create a wall-wash effect, as well as security/spotlighting. **ZONE 3:** A third Zone is installed on the **REAR** of the home for its own separate backyard/patio lighting.



INITIAL SETUP CONTINUED: ZONE SETUP



control box.

MAIN APP NAVIGATION

MAIN APP NAVIGATION: YOUR ESSENTIAL CONTROLS



ACCOUNT SETTINGS

 \odot

Select the GEAR icon for these account settings.



ADD CONTROLLER: NeedINVITE USERS: Shareto add more Controllers?control of your OeloTap Add Controller, thenController(s) with others.see Page 4 instructions.Controller(s) with others.

Adjust your app's Dark / Light display preferences.

LIGHTING CONTROLS



OPERATING YOUR LIGHTS: LED CUSTOMIZATION

LIGHTING CONTROLS

Upon launching your App, you can customize your lights colors, pattern, movement and LED count on the **LIGHTING** screen using these controls:

- 1 Tap **SELECT ZONE(S)** to **customize one or more zones**. The selected Zone(s) will be shown above the color wheel.
- 2 Hit the + button to add the number of LEDs in a pattern, then tap the LED CIRCLE to customize the LED. Select the
 button and tap one of the LEDs in the pattern to delete.
- 3 Slide the MARKER around to change the hue.
- A Raise and lower the **DIMMER** to adjust **color brightness.**
- 5 Tap **RECENT** to choose **past colors** for easy re-selection.
- 6 Select WHITES to quickly choose a white hue.
- 7 Choose PRESET for a selection of standard vibrant colors.
- 8 Tap RGB VALUES to adjust colors precisely.
- **9** Tap **PATTERNS** to choose a lighting sequence from your favorite **custom patterns** or an **Oelo pre-set pattern**.
- 10 Tap **MOVEMENT** to modify your pattern's **movement**.
- Select SET PATTERN to display your lighting sequence.
- Tap SAVE AS PATTERN to save your lighting sequence.





MOVEMENT MODES

OPERATING YOUR LIGHTS: MOVEMENT CUSTOMIZATION

MOVEMENT MODE

The Evolution App offers a variety of **MOVEMENT MODES** that lets you customize how the lights move, fade and pulse. You can even change the speed and gaps in the movement mode to further customize your lights. Tap the <u>MOVEMENT</u> button on the LIGHTING SCREEN to view all of the movement modes. Select a mode, modify and then save.



STATIONARY Choose this mode for an iconic Christmas look.

ARCADE Let a hue fill in the strand, gradually slowing.

BLEND Blend two colors for a gradient effect.

BOLT Shoot a color through the strand for a bolt effect. CHASE Pick two colors (or more) to chase each other.

FILL Create a fill effect with this in-ward movement.

MARCH March your favorite repeated hues.

LIGHTNING Add an extra jolt to your stagnant colors! **RIVER** Blend transitioning hues for a flowing effect.

SHUFFLE Shuffle one hue for another for a fun effect.

SPLIT Evenly split two colors for a dual-lighting result.

SPRINKLE Slightly fade each LED for a sprinkling illusion. STORM Flash random lightning across blended colors.

STREAK Control speed and gaps to create a streak effect.

TWINKLE Drastically fade each LED for a twinkle effect.

TAKEOVER Take over your marching pattern with the last hue.

PLUS, SPOTLIGHT ENTRYWAYS, WALKWAYS AND MORE! Turn on (and off) select LEDs for security lighting. PAGE 13



STATIONARY

STREAK

SPLIT

PATTERNS

PRE-MADE AND CUSTOM PATTERNS!

any favorite occasion! You can find these

patterns by selecting the **PATTERNS** icon

in the App's main footer navigation or

by tapping the **PATTERNS** on the

LIGHTING screen. You also can create,

save and re-use your own custom

patterns! (Look for

Patterns page.)

憦

PATTERNS

The Evolution App offers more than

穷

PATTERNS



WANT TO SHARE YOUR **CUSTOM PATTERNS?**

Create and save your own custom patterns using the instructions on Page 13. Then, CLICK THE SHARE ICON.

1. Choose how you would like to share the pattern with a friend (ie. text, email, social media, etc.)

2. Your friend will receive a link to input their Oelo credentials. Wah lah! Your pattern will be shared to "Your PATTERNS." If you do not see the shared pattern, close and re-open the app to refresh your system.



USING OELO'S PRE-SET PATTERNS

under on the



STEP 1: Toggle to the PATTERNS screen.



STEP 2: Choose one of the categories to see the pre-made patterns.



FOR SPORTS FANS! Be sure to check out our new Sports patterns categories!



STEP 3: Edit or select one of the patterns and hit to display. Note: If you edit a pre-set pattern, it will appear in your custom patterns.

CREATING (AND SAVING) YOUR OWN CUSTOM PATTERNS



STEP 1: Add LEDs (+ and -) to the pattern and select your **COLORS** with the LIGHTING screen's various color tools.

SPOTLIGHT ENTRYWAYS, WALKWAYS AND MORE!

Turn on (and off) select LEDs for security lighting.

STEP 1: To spotlight your

building, tap the **SPOTLIGHT** icon in the main navigation.



STEP 2: Tap the LIGHTING screen's **MOVEMENT** button to select, modify and save your Movement Mode settings.



STEP 3: Upon saving, you will return to the LIGHTING screen. Tap the **SELEPATIEN** button to display your sequence.



STEP 4: Tap the LIGHTING screen's **SAVE AS PATTERN** button to save and name the sequence. Your pattern will be saved under Patterns > Your PATTERNS.



USING THE SPOTLIGHT FEATURE



STEP 2: Select your spotlight **COLOR** using the color wheel, white pre-sets or other color selector tools.



STEP 3: TAP THE LEDS in the light strand that you want to illuminate.

(The LEDs will change to the selected hue. Slide the LEDs side to side to view all of the LEDs in your strand.)



STEP 4: Tap **Contract** to display your selections, and push **Contract** to create a re-usable pattern (saved in YOUR PATTERNS).

SCHEDULES

The **SCHEDULES** calendar icon at the bottom of your phone is used to create a lighting schedule. Use this feature to schedule out daily, weekly or yearly use.

SCHEDULING PATTERNS

8

ATTERN



STEP 1: Tap **SCHEDULES** in the main navigation.

STEP 2: Select CREATE NEW SCHEDULE, then ...

1 Choose SCHEDULE TYPE to change the schedule repetition:

Daily: Displays every day.

Day/Day(s) of Week (Repeats Weekly): Choose which days of the week that you would like to repeat your pattern on a weekly basis.

On Date(s) (Repeats Yearly): Select start and end date; repeats every year.

On Date(s) (One Time): Choose start and end date; does not repeat.

Select **START TIME** and **END TIME** to change what time the pattern begins and ends, either **At Set Time**, **At Sunset** or **At Sunrise**.

3 Tap **PATTERN CATEGORY/PATTERN** to choose which category and pattern to schedule, choosing from **My Patterns** (your saved custom light patterns) or **Pre-Set Patterns** (Oelo's patterns).

4 Enable which **ZONES** are controlled by the schedule.

5 NAME your schedule.

6 SAVE SCHEDULE.

Y	our Schedules			
	Create New Schedu	le	~	
	SCHEDULE TYPE Daily		~	
2	start time e Select V	ND TIME Select	~	
3	PATTERN CATEGORY My Patterns		>	
	PATTERN Select a pattern		~	
4	ZONES Strip 1			
5				
6	SAVE SCHE	DULE		



STEP 3: Tap the **SLIDER BUTTON** to enable/disable the schedule. Your lights will run automatically.

Create New Sche	dule	
ication terr Daily		*
At Sunset 🗸 🗸	teo tier At Sunrise	÷
American Liberty		Ye
Fourth of July: Fod	ing Firework	÷
Strip 1	idule	
BAVE S	HEDULE	

STEP 4: To modify existing schedules, tap **EDIT** to change the schedule. Tap **SAVE** to confirm the changes.

Never miss a holiday again by scheduling your lights well in advance!



SETUP TROUBLESHOOTING

Things to Check	Additional Steps
Verify your Controller is working properly	 Red Light: The Controller is receiving power. (If this light is not illuminated, check that 1) a breaker hasn't been tripped, 2) the box is plugged in and 3) the Power Switch is flipped in the ON position (toward the orange connectors). If the Red Light is off and the above steps don't help, "re-boot" your box by unplugging and plugging it back in, then watch for the Blue Light to run through this series Blue Light Slow Flash: The Controller is starting up, updating or attempting to connect. Blue Light Fast Flash: The Controller is ready to connect to the App. Blue Light indicates the Controller is connected. If the Blue Light is not flashing or stationary appropriately during the sequence, unplug
	your Control Box, plug it back in and re-launch your app and follow the Initial Setup Steps on Page 3 .
Check your Oelo App permissions	 A. Navigate to your phone's SETTINGS > APPS > OELO EVOLUTION APP > PERMISSIONS. B. Allow the Oelo App access to the LOCATIONS, NETWORK and DATA. C. Relaunch the Oelo App and follow the Initial Setup Steps on Page 3.
Update the light count in your Oelo App	 A. In the CUSTOMER FOLDER provided to you when you received your system, you will find your total light count. B. In the app, tap the SETTINGS ICON, then CONTROLLER SETTINGS. C. Update the LED COUNT for each ZONE to the correct amount. Hit SAVE.
Disconnect your Oelo system from power	A. Flip the breaker associated with the Oelo system.B. Flip the breaker back on and test that your lights work.
Restart your Oelo App	 A. Close your Oelo App and reopen it. If it is not fixed B. Uninstall then re-download the OELO EVOLUTION App from the Apple App Store or Google Play Store.
Factory reset the Control Unit	 A. On the CONTROL UNIT BOARD, press and hold the TEST button for 5 seconds until the light strand turns RED. B. Wait for the BLUE light on the CONTROL UNIT BOARD to start flashing quickly. This indicates that the Control Unit is ready to connect. C. Relaunch the Oelo App and follow the Initial Setup Steps on Page 3.

CONTROLLER NOT FOUND

Things to Check	Additional Steps
Verify your Controller is working properly	 Red Light: The Controller is receiving power. (If this light is not illuminated, check that 1) a breaker hasn't been tripped, 2) the box is plugged in and 3) the Power Switch is flipped in the ON position (toward the orange connectors). If the Red Light is off and the above steps don't help, "re-boot" your box by unplugging and plugging it back in, then watch for the Blue Light to run through this series Blue Light Slow Flash: The Controller is starting up, updating or attempting to connect. Blue Light Fast Flash: The Controller is ready to connect to the App. Blue Light indicates the Controller is connected. If the Blue Light is not flashing or stationary appropriately during the sequence, unplug your Control Box, plug it back in and re-launch your app and follow the Initial Setup Steps on Page 3.
Verify the antenna is connected properly	 A. Ensure the antenna is connected to the Controller. Disconnect power first before touching the antenna! B. Firmly press down on the antenna attachment. C. Relaunch the Oelo App and follow the Initial Setup Steps on Page 3.
Restart your Oelo App	 A. Close your Oelo App and reopen it. If it is not fixed B. Uninstall then re-download the OELO EVOLUTION App from the Apple App Store or Google Play Store.
Disconnect your Oelo	A. Flip the breaker associated with the Oelo System.
system from power	B. Flip the breaker back on and test that your lights work.
Restart your Oelo App	 A. On the CONTROL UNIT BOARD, press and hold the TEST button for 5 seconds until the light strand turns RED. B. Wait for the BLUE light on the CONTROL UNIT BOARD to start flashing quickly. This indicates that the Control Unit is ready to connect. C. Relaunch the Oelo App and follow the initial setup steps on Page 3.

LIGHTS ISSUES

Issue	Solution
My lights don't turn on	 Solution 1 — Reset your system: If you have not used your Oelo System frequently, it may need a reboot. A. Turn off your system and unplug it for 10 minutes. B. If Step A does not work, flip the breaker that your system is connected to.
	Solution 2 - Verify that your Control Unit is working properly: A working Oelo System will have 2 lights on inside the Control Unit, 1 RED and 1 BLUE .
	Red Light: The Controller is receiving power. (If this light is not illuminated, check that 1) a breaker hasn't been tripped, 2) the box is plugged in and 3) the Power Switch is flipped in the ON position (toward the orange connectors).
	If the Red Light is off and the above steps don't help, "re-boot" your box by unplugging and plugging it back in, then watch for the Blue Light to run through this series
	Blue Light Slow Flash: The Controller is starting up, updating or attempting to connect. Blue Light Fast Flash: The Controller is ready to connect to the App. Blue Light indicates the Controller is connected.
	If the Blue Light is not flashing or stationary appropriately during the sequence, unplug your Control Box, plug it back in and re-launch your app and follow the Initial Setup Steps on Page 3 .
	Solution 1 - Turn Off All Zones: In the Oelo App, tap ZONES OFF on the bottom bar.
My lights won't shut off	Solution 2 - Restart your Oelo App: Close your Oelo App and reopen it, attempting to turn the lights off.
	Solution 2 - Factory reset your Oelo System: On the CONTROL UNIT BOARD, press and hold the TEST button for 5 seconds until the light strand turns RED . Wait for the BLUE light on the CONTROL UNIT BOARD to start flashing quickly. This indicates that the Control Unit is ready to connect. Relaunch the Oelo App.
Only a portion of my lights respond	 Solution 1 - Update Light Count in the Oelo App: A. In the app, tap the SETTINGS ICON, then CONTROLLER SETTINGS. B. Update the LED COUNT for each ZONE to the correct amount. Hit SAVE.
	Solution 2 - Factory reset your Oelo System: On the CONTROL UNIT BOARD, press and hold the TEST button for 5 seconds until the light strand turns RED . Wait for the BLUE light on the CONTROL UNIT BOARD to start flashing quickly. This indicates that the Control Unit is ready to connect. Relaunch the Oelo App and follow the initial setup steps on Page 3 .
One or more LEDs won't turn on	 Solution 1 - Update Light Count in the Oelo App: A. In the app, tap the SETTINGS ICON, then CONTROLLER SETTINGS. B. Update the LED COUNT for each ZONE to the correct amount. Hit SAVE.
	Solution 2 - Replace the LED(s). (See oelo.com/troubleshooting for instructions.)

WIRING ISSUES

COMMON INSTALLATION MISTAKES

	-GND +VCC	Common Mistakes: Connecting the 3-Core Wire to Control Unit:		
WIRING SYSTEM		Α.	Insert the -GND 3-Core Wire to the BLACK CONDUCTOR OUTPUT . Clamp the Conductor down.	
		В.	Insert the S 3-Core Wire to lowest numbered S-Port (numbered 1-6) .	
		C.	Insert the +VCC 3-Core Wire to the RED CONDUCTOR OUTPUT . Clamp the Conductor down.	
			Note: Make sure there is no wiring left exposed when the Conductors are clamped down.	
		Co	mmon Mistakes: Facing the Output Arrow in the right direction:	
	This arrow MUST point oway from Control Unit.	Α.	Check your connections to verify that the output arrow, located on each Light Puck, is pointing AWAY from the Control Unit.	
		В.	If the arrow is not pointing away from the Control Unit, you will have to cut out that Light Strand section and reverse the orientation.	
		C.	You can learn how to replace an LED at oelo.com/troubleshooting.	
		D.	After verifying that all arrows are facing the correct direction, test the system.	
		Common Mistakes: Installing Jumper Cables:		
		Α.	Strip the Light Strand's " S " and " VCC " wires.	
		В.	Strip the 3-Core Jumper Cable's " GND " , " S " and " VCC " wires.	
	Installing Jumper Core Cables	C.	Using Butt Connectors, insert the wires, connecting GND-GND , S-S and VCC-VCC .	
		D.	Crimp the Butt Connectors on both side of the center silver line.	
		Ε.	Using a Butane torch, apply heat to the connectors, shrinking them completely.	
		F.	Repeat steps A-E on the other end of the Jumper Cable with a new Light Strand and continue wiring.	

If your system is still not functioning after following solution instructions,

please fill out our Troubleshooting Form (to specify a contact time) at:

oelo.com/troubleshooting

OR call our troubleshooting desk at: 970-212-3676



ADDITIONAL REFERENCES

Materials		Reference Link
MANUALS	Acrylic Installation Manual	<u>oelo.com/resources/manuals</u>
	Metal Installation Manual	<u>oelo.com/resources/manuals</u>
	Oelo Evolution Guide	<u>oelo.com/resources/manuals</u>
	Troubleshooting Support Form	oelo.com/troubleshooting
CONTACT	Phone	(970) 212-3670
	Email	lightyourspace@oelo.com



www.oelo.com | 970.212.3670 | 3842 Redman Dr., Fort Collins, CO User Manual was last updated 03.24, ©2024 Oelo