



**ORION**  
EFFECTS LIGHTING



# **ORCAN6**

**BATTERY POWERED LED PAR CAN**

## **Owner's Manual**

SAVE THIS MANUAL FOR FUTURE REFERENCE

## **Manuel du Propriétaire**

CONSERVEZ CE MANUEL POUR RÉFÉRENCE FUTURE

**[WWW.ORION-FXLIGHTS.COM](http://WWW.ORION-FXLIGHTS.COM)**

## IMPORTANT SAFETY INSTRUCTIONS

**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER ON THIS LIGHT. THERE ARE NO USER-SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO A QUALIFIED TECHNICIAN.



NEVER look directly at the laser emitter as serious eye injury can occur.



This symbol indicates that there is laser radiation emitted from this unit.



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of "dangerous" voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to humans. Users should exhibit extra safety when this symbol appears in this instruction manual and follow all precautions as they are stated.

1. Read these instructions thoroughly before using this item. Heed all warnings. Follow all instructions.
2. Disconnect from the power source before servicing.
3. REPLACE FUSE WITH SAME TYPE AND RATING.
4. This product is for indoor use only! To prevent fire or electric shock, do not expose this equipment to rain or moisture. Do not store or operate this product near any liquids.
5. Do not store or operate this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding plug has two blades and a round grounding prong. The wide blade or third prong is provided for your safety. If the provided plug does not fit your outlet, consult an electrician for the replacement of the obsolete outlet.
7. Protect all wires connected to this unit from being walked on or pinched, particularly plugs and the point where they exit from the unit. When removing the cord from the power outlet, remove it by holding the plug not by pulling the cord.
8. Unplug the unit during lightning storms or when unused for long periods of time.
9. Allow the unit to cool down after 1 or 2 hours of continuous operation to prevent heat stress damage.
10. When wiring this unit and all other equipment used in connection to this unit make sure that all of your equipment is turned OFF.
11. Make sure the distance between the fixture and the lighted object is not less than 0.5 meters. Keep combustible and/or explosive materials away from this unit. Do not block the ventilation slots.
12. In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please return the unit to the nearest authorized technical assistance center.
13. The unit should never be connected to any kind of external AC dimmer. Operate only at intended voltage.
14. Make sure the power cord is never pinched or damaged.
15. Never disconnect the power cord by pulling or tugging on the cord.
16. Never carry the fixture directly from the cord. Always use the hanging/mounting bracket.
17. Before placing, installing, rigging, or suspending any product, inspect all hardware, suspension, cabinets, transducers, brackets and associated equipment for damage. Any missing, corroded, deformed, or non-load rated component could significantly reduce the strength of the installation, placement or array. Any such condition severely reduces the safety of the installation and should be immediately corrected. Use only hardware which is rated for the loading conditions of the installation and any possible short-term, unexpected overloading. Never exceed the rating of the hardware or equipment.
18. ALWAYS use a safety chain or cable between the unit and overhead suspension truss to ensure safety to persons.
19. Consult a licensed, Professional Engineer regarding physical equipment installation. Ensure that all local, state and national regulations regarding the safety and operation of equipment are understood and adhered to.
20. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

## CONSIGNES DE SÉCURITÉ IMPORTANTES

**ATTENTION :** POUR RÉDUIRE LE RISQUE DE CHOC ÉLECTRIQUE, NE PAS RETIRER LE COUVERCLE DE CETTE APPAREIL D'ÉCLAIRAGE. IL N'Y A AUCUNE PIÈCE RÉPARABLE PAR L'UTILISATEUR À L'INTÉRIEUR. CONFIEZ TOUTE RÉPARATION À UN TECHNICIEN QUALIFIÉ.



Ne regardez JAMAIS directement l'émetteur laser, car vous pourriez vous blesser gravement aux yeux.



Ce symbole indique qu'un rayonnement laser est émis par cet appareil.



Le symbole de l'éclair avec une pointe de flèche dans un triangle équilatéral est destiné à alerter l'utilisateur de la présence d'une tension "dangereuse" dans l'enceinte du produit, qui peut être d'une magnitude suffisante pour constituer un risque de choc électrique pour les humains. Les utilisateurs doivent faire preuve d'une sécurité accrue lorsque ce symbole apparaît dans ce manuel d'instructions et suivre toutes les précautions indiquées.

1. Lisez attentivement ces instructions avant d'utiliser cet appareil d'éclairage. Tenez compte de tous les avertissements. Suivez toutes les instructions.
2. Débranchez la source d'alimentation avant de procéder à l'entretien.
3. REMPLACEZ LE FUSIBLE PAR UN FUSIBLE DE MÊME TYPE ET DE MÊME CALIBRE.
4. Ce produit est destiné à un usage intérieur uniquement! Pour éviter tout risque d'incendie ou de choc électrique, n'exposez pas cet équipement à la pluie ou à l'humidité. Ne stockez pas et n'utilisez pas ce produit à proximité de liquides.
5. Ne stockez pas et n'utilisez pas ce produit à proximité de sources de chaleur telles que des radiateurs, des bouches de chaleur, des cuisinières ou d'autres appareils (y compris des amplificateurs) qui produisent de la chaleur.
6. N'allez pas à l'encontre de l'objectif de sécurité de la fiche polarisée ou de la fiche de mise à la terre. Une fiche polarisée possède deux lames, l'une étant plus large que l'autre. Une fiche avec mise à la terre possède deux lames et une broche de mise à la terre ronde. La lame large ou la troisième broche sont prévues pour votre sécurité. Si la fiche fournie ne correspond pas à votre prise, consultez un électricien pour le remplacement de la prise obsolète.
7. Protégez tous les fils connectés à cet appareil pour qu'ils ne soient pas piétinés ou pincés, en particulier les fiches et le point où ils sortent de l'appareil. Lorsque vous retirez le cordon de la prise de courant, retirez-le en tenant la fiche et non en tirant sur le cordon.
8. Débranchez l'appareil pendant les orages ou lorsqu'il n'est pas utilisé pendant de longues périodes.
9. Laissez refroidir l'appareil après 1 ou 2 heures de fonctionnement continu pour éviter tout dommage dû au stress thermique.
10. Lors du câblage de cet appareil et de tout autre équipement utilisé en connexion avec cet appareil, assurez-vous que tous vos équipements sont éteints.
11. Assurez-vous que la distance entre l'appareil et l'objet éclairé n'est pas inférieure à 0,5 mètre. Maintenez les matériaux combustibles et/ou explosifs à l'écart de cet appareil. Ne bloquez pas les fentes de ventilation.
12. En cas de problème de fonctionnement grave, cessez immédiatement d'utiliser l'appareil. N'essayez jamais de réparer l'appareil par vous-même. Les réparations effectuées par des personnes non qualifiées peuvent entraîner des dommages ou un mauvais fonctionnement. Veuillez retourner l'appareil au centre d'assistance technique agréé le plus proche.
13. L'unité ne doit jamais être connectée à un gradateur CA externe, quel qu'il soit. Ne le faites fonctionner qu'à la tension prévue.
14. Assurez-vous que le cordon d'alimentation n'est jamais pincé ou endommagé.
15. Ne débranchez jamais le cordon d'alimentation en tirant sur le cordon.
16. Ne portez jamais l'appareil d'éclairage directement à partir du cordon. Utilisez toujours le support de suspension/montage.
17. Avant de placer, d'installer, de gréer ou de suspendre un produit, inspectez toute la quincaillerie, la suspension, les enceintes, les transducteurs, les supports et les équipements associés pour vérifier qu'ils ne sont pas endommagés. Tout composant manquant, corrodé, déformé ou non conforme aux normes de charge peut réduire de manière significative la résistance de l'installation, du placement ou "array". Une telle condition réduit gravement la sécurité de l'installation et doit être immédiatement corrigée. N'utilisez que du matériel adapté aux conditions de charge de l'installation et à toute surcharge imprévue et de courte durée. Ne dépassez jamais la valeur nominale du matériel ou de l'équipement.
18. Utilisez TOUJOURS une chaîne ou un câble de sécurité entre l'appareil et la structure de suspension pour assurer la sécurité des personnes.
19. Consultez un ingénieur professionnel agréé pour l'installation physique de l'équipement. Assurez-vous que toutes les réglementations locales, nationales et de l'État concernant la sécurité et le fonctionnement de l'équipement sont comprises et respectées.
20. Confiez toutes les réparations à un personnel qualifié. Un entretien est nécessaire lorsque l'appareil a été endommagé de quelque manière que ce soit, par exemple lorsque le cordon d'alimentation ou la fiche sont endommagés, lorsqu'un liquide a été renversé ou que des objets sont tombés dans l'appareil, lorsque l'appareil a été exposé à la pluie ou à l'humidité, lorsqu'il ne fonctionne pas normalement ou lorsqu'il est tombé.

## Overview

Thank you for choosing the Orion ORCAN6 LED Par Can, this document provides instructions on how to set up, operate, and get the most out of your ORCAN6 LED lighting unit. With its real-world gear and features tailored for real users, the ORCAN6 is designed to be intuitive and versatile for a range of lighting applications. Suitable for all kinds of indoor and outdoor activities.

This ORCAN6 can be operated by the LED waterproof touch screen, IR remote or DMX controller. It has an intuitive graphic LCD display touch screen interface, one button start-switch function, with battery power inquiry and charge/discharge percentage display.

*Note: The Master Power switch must be in on to display charging status.*

## Features/Specifications

- IP65 waterproof rated
- Waterproof die-cast enclosure (IP65 waterproof grade) for temporary outdoor use.

### LED Display

- Large 0.75" x 1.8" graphic LCD displays menu functions and parameters. MENU/UP/DOWN/ENTER are visible for the operation of the unit.
- Battery status via the LCD display and charging indicator.

### Optical System

- 12 x 10W RGBWA/UV 6in1 LEDs, mixing 1670 million colors
- LED Brightness maximum output power more than 50W
- dimmer: 0-100%
- Strobe: 0-20Hz
- Optics: 15

### Control

- 7/11 DMX channels (DMX512)

### Power/Battery

- Input voltage (battery charging current 3A DC): 100~240VAC, 50/60Hz
- Long-life lithium-ion battery powered (discharge /charge 500 times)
- Battery storage: 12.5Ah, 139Wh
- Battery run time: 4 hrs. at full RGBAUV on
- Battery charging cycle: 4 hrs.

*Intelligent charging management system design, improve lithium battery performance and extend service life, with automatic charge and discharge switching function*

### Size/Weight

- Color Box size: 270mm x 270mm x 270mm
- Weight: 5.25kg / 11.6lbs

## Unpacking

- ORCAN6
- Power Cord (powerCON®)
- Remote Control
- Owner's Manual



**Par Can**



**Remote Control**



**For Position Only!**

**Power Cord**



**Owner's Manual**

## Linked Mode

Connect multiple ORCAN6 units using 3-pin XLR cables to synchronize their operation. The first unit in the chain will control the downstream units. (All slave units downstream must be in DMX mode).

- Master and slave can be controlled via DMX cable
- Control Protocol: DMX512

## Color

- Static color selection (6 colors, dimming value 0-255) + strobe function (speed adjustable 0-20)
- Macro color: 16 colors selectable
- Auto color jump function (speed adjustable 1-20)
- Color gradient function (speed adjustable 1-20)
- Color fade function (speed adjustable 1-20)

## Show Mode

With red background strobe, with green background strobe, with blue background strobe, with yellow background strobe (speed adjustable 0-20)

## System Settings

- White balance setting, appropriate adjustment of the brightness of the 6 colors (also the effect of fine-tuning current), the value is (127-255)

- Display Sleep (Screen Saver) Can be set to normally open or automatically turn off the display back-light after 5, 10 or 15 seconds
- Infrared remote control can be turned on or off through menu settings
- LED output power can be selected (high 60W, middle 42W, low 35W)
- Emergency lighting mode can be set when the mains are powered off.

## Menu Description

Menu	Item1	Item2	Item3
Choose Pattern	Static Color	(Color)	(Dimming)
		RED	0-255
		GREEN	0-255
		BLUE	0-255
		WHITE	0-255
		AMBER	0-255
		PURPLE	0-255
	STROBE	0-20	
	Macro Color	1-16	
	Show Mode	(Function)	(Speed)
		"AUTO"	0-20
		"FADE"	0-20
		"SNAP"	0-20
"R-STRO"		0-20	
"G-STRO"		0-20	
"B-STRO"	0-20		
"A-STRO"	0-20		
User Settings	Channel	(Channel)	
		007/011	
	DMX Address	(Address)	
		001-512	Standard 001
System Settings	1. White Balance	(Color)	(Brightness)
		RED	127-255
		GREEN	127-255
		BLUE	127-255
		WHITE	127-255
		AMBER	127-255
	UV/PURPLE	127-255	
	2. Show Battery Icon	YES/NO	
	3. Display Sleep	Open/5 Sec	10 Sec/15 Sec
	4. Dimmer Option	1.Normal	Dimmer 1-2-3
	5. IRC Setting	YES/NO	
6. Power Setting	High/Medium/Low		
7. Emergency Lamp	YES/NO		
8. DMX Hold	YES/NO		
9 AutoLock	YES/NO		
10. System Ressetting	**Instantly Resets**		
Information	Model:UC-339LIR		
	Software Version	V.1.00	
	Hardware Version	LCD 6in1	

## Control Panel

The 1.8" x 0.75" graphic LCD displays menu functions and parameters



### Button Functions

<b>MENU</b>	Main Menu Function Selection / Exit Sub Menu
<b>▲ UP</b>	Select upper menu/Parameter up
<b>▼ DOWN</b>	Select next menu/Parameter down
<b>ENTER</b>	Confirm selected function / enter next menu

## Power On/Off Start Up Procedure

1. Depress Master Power button
2. Hold MENU button for 3 seconds until the display powers up  
*The display will turn on, you can then begin to setup the unit.*
3. To turn OFF hold MENU button for 3 seconds until the display powers off

*Note: The ORCAN6 charges when connected to AC regardless of being power up or not.*

## Setting Up the ORCAN6

### Preset Function

To select a preset function, press MENU to enter the main menu. The display will show the corresponding menu function. Press MENU again, the next menu function is selected. Pressing MENU repeatedly will display each menu function consecutively.

Using the UP/DOWN buttons will allow you to select each menu function. After selecting a function, press ENTER to confirm the next menu. Next, set system parameters and press ENTER, the unit will automatically display the RUN state.

*Note: System parameters are automatically saved without pressing ENTER.*

## Choose Pattern

Select "Choose Pattern," press ENTER to confirm and the display will show the corresponding function menu such as static color, macro color or show mode. Use UP/DOWN to select between the functions. If you press ENTER, the display will enter the next menu item. If you press Menu to exit to the previous menu mode.

*Note: The parameters will be saved automatically after selection.*

## User Settings

Select "User Settings," press ENTER to confirm, the display will enter the channel option, use UP/DOWN to select "7Ch" (7-channel mode), "11Ch" (11CH channel mode) press ENTER again, the menu will automatically jump to the "DMX512" address setting mode. With UP/DOWN, adjust address from 1 to 512. After select, the parameters will be saved automatically. If you press ENTER again, you will return to the main interface. When the DMX512 signal is received, it will automatically display the "RUN" state, if signal is disconnected "RUN" "Disconnect" will show. Press MENU, to display the previous menu mode.

## System Settings

Select "System Settings," press ENTER to select. Press UP/DOWN to select different settings, press ENTER or MENU will exit and return to previous menu

## DMX512 Settings

Select "User Settings" and press ENTER to confirm, the DMX "Channel" will be displayed. Press UP/DOWN to select "7Ch" (7-channel mode) or "11Ch" (11CH channel mode) as needed. Press ENTER to automatically jump to "DMX512" (DMX512 address). Code setting, use UP/DOWN button to adjust value from 1 to 512, it's then able to receive the DMX512 console control signal.

If you want to use this function, please refer to the following diagram to set the DMX512 address of the first 4 lights:

7CH mode: 1:A001, 2: A008, 3: A014, 4: A020

11CH mode: 1:A001, 2:A012, 3:A022,4:A032

## DMX used as automatic link control

Many lights can be connected with the automatic master and slave modes, except for the first light, the other lights will follow the function of the first light in the chain.

To link multiple units together, ensure that all units after the Master are in DMX mode. Then, simply connect the units using an XLR cable. No additional settings or configurations are required. The units will automatically recognize and sync with each other through the DMX signal.

When the host signal is received, the interface will show "Slave Connection. If the DMX512 signal is disconnected, the interface will show "Slave Disconnect." If you press ENTER or MENU, the display will exit to the previous menu mode. The first light is used as a host, and all performance modes can be selected. The slave units will be synchronized by the host to perform the same action.



## DMX512 Channels

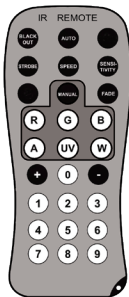
### 7CH:

No.	Number	Specification
1	0~255	Red dimmer
2	0~255	Green dimmer
3	0~255	Blue dimmer
4	0~255	White dimmer
5	0~255	Amber dimmer
6	0~255	UV dimmer
7	0-19	Normal
	20-39	Dimmer-1
	40-59	Dimmer-2
	60-255	Dimmer-3

### 11CH:

No.	Number	Specification
1	0~255	General dimmer, ch 9(0~9)
2	0~9	Strobe off
	10~255	strobe: 10 slowest , 255 fastest
3	0~255	red , max brightness depends on general dimmer
4	0~255	green , max brightness depends on general dimmer
5	0~255	blue , max brightness depends on general dimmer
6	0~255	white , max brightness depends on general dimmer
7	0~255	amber , max brightness depends on general dimmer
8	0~255	uv , max brightness depends on general dimmer
9	0~9	Dimmer mode
	10~29	Select color: ch10 select color
	30~49	Jump change: ch10 control speed
	50~69	Gradient change: ch10 control speed
	70~89	fade: ch10 control speed
	90~109	Red on +strobe: ch10 control speed
	110~129	green on +strobe: ch10 control speed
	130~149	blue on +strobe: ch10 control speed
	150~169	white on +strobe: ch10 control speed
	170~189	amber on +strobe: ch10 control speed
	190~209	uv on +strobe: ch10 control speed
210~229		
230~255		
10	0~255	Depend on value of ch9
		ch9 value on 10~29, select color
		ch9 value on 30~189, control speed: 0 slowest, 255 fastest
11	0-19	Normal
	20-39	Dimmer-1
	40-59	Dimmer-2
	60-55	Dimmer-3

## Remote Control (Optional)



### **BLACK OUT Mode**

This remote control features a "BLACK OUT" button. Upon pressing this button once, it will activate the infrared remote-control mode and default to the "Show Mode." Additionally, if any mode has been previously saved, it will enter that saved mode. Pressing the "BLACK OUT" button again will deactivate the remote-control function and save the current settings.

### **AUTO Mode**

To turn on Automatic mode: Automatic mode will enable you to run the automatic programs on the product.

### **STROBE Mode**

This turns on current "Static Color" to "Strobe"

Press "+" or "-" to choose between "000" ~ "020" strobe rate.

### **SPEED Mode**

To turn on "Show Mode" "Speed"

Press "+" or "-" to choose between "000" ~ "020". It is 100% speed.

### **SENSITIVITY Mode**

This product does not support this feature for now.

### **MANUAL Mode**

1. Press "MANUAL" one time, turn to "Static Color"
2. Press "R," "G," "B," "W," "A" or "UV" (red, green, blue, white, amber, UV) to choose your want color, press the 1st time. you can change the Number from "000" to "255"
3. You can change the Number from "000" to "255"
4. "000" – Close this color
5. "255" – Full power of this color
6. "001" to "254" to adjust the different brightness.

## FADE Mode

It is a color gradient mode.

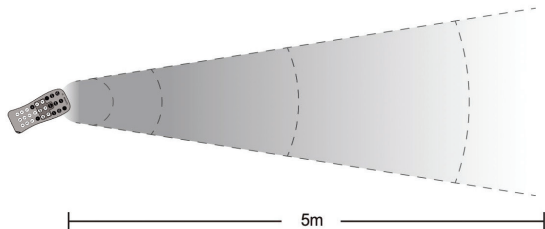
1. Press "FADE" on the remote controller.
2. Press "+" or "-" to either increase or decrease the speed of the program.

## NUMBER 0~9

0-9 lets you pick the "Macro Color" you want, choose the color what you want from "0" to "9" keys.

*You may have to press the "MANUAL" button first to exit other running modes.*

## Remote Control Range



Please use this remote controller within remote control range.





### **Orion Lighting – One (1) Year Manufacturer's Defect**

*One Year Limited Warranty: If this product should fail within one year of the original purchase date due to a manufacturing defect, simply return the product to your Orion dealer with the original proof of purchase and it will be repaired free of charge. This warranty excludes damage considered by the vendor to be the result of improper installation, normal wear, abuse or shipping damage. See your Orion dealer for details. Warranty valid in Canada and the United States. Other territories may vary.*

### **Orion Lighting - Un (1) An de Défaut de Fabrication**

*Garantie limitée d'un an: Si ce produit tombe en panne dans l'année suivant la date d'achat d'origine en raison d'un défaut de fabrication, renvoyez simplement le produit à votre revendeur Orion avec la preuve d'achat originale et il sera réparé gratuitement. Cette garantie exclut les dommages considérés par le vendeur comme le résultat d'une mauvaise installation, d'une usure normale, d'un abus ou de dommages liés à l'expédition. Consultez votre revendeur Orion pour plus de détails. Garantie valide au Canada et aux États-Unis. D'autres territoires peuvent varier.*

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