



## ***VK615 ORB***

**Battery Wireless Uplighter**



## 2. Technical specifications

### Source

- Light source: 6 PCS 15W RGBWA+UV 6in1 LEDs

### Power

- Input voltage range: 100–240V, 50-60Hz
- Max Power consumption: 120W
- Battery: lithium battery with a capacity of 12000MAH
- Full charge will give approx. 15 hours use on one colour
- Charging time: fully charged within 8 hours

## OPTICAL SYSTEM

### Features

- Color: 16.7 million color changes
- Achieve smooth LED fading with built-in dimming curves
- Control via WDMX – supports Chinese and Swedish WDMX protocol
- Control via Android 2.3 / App iOS 4.3 above version
- Mobile APP Name: **LEDWiFi** – available on Google Playstore and Apple Appstore
- Static color selection (RGBWA & UV + variable strobe function)
- Beam angle: **25°**

### Color function

- Automatic color jump/gradient /fade function (speed adjustable)

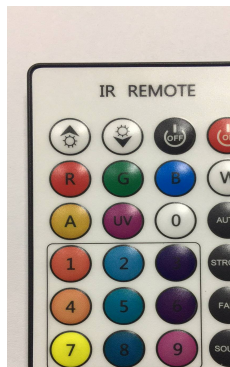
### Effects

- Dimming: 0-100%.
- Strobe: 1-20 Hz.

	221~230	Colour temperature 9600K
	231~240	Colour temperature 10000K
	241~250	No Function
10	0~9	Off
	10~50	Static colour mixing
	51~100	Jump mode
	101~150	Gradient mode
	151~200	Mutation pattern
	201~215	Sound activated colour changing control
	216~230	Sound activated colour strobe
	231~245	Sound activated mutant
	246~255	Sound activated respiratory
11	1-255	Speed

## 6. Infrared Remote Control Function:

1. Dimming up key
2. Dimming down key
3. OFF light pause
4. ON light operation
5. R, G, B, W, A, +UV keys are available in 6 Monochromatic colours
6. The 0 key is in A001 console receiving mode, and up / down keys adjust the address
7. The 1-9 number keys have 9 different colour combinations
8. The AUTO key changes colour and the up and down keys adjust speed
9. The STROBE key is a strobe, and the up and down keys adjust the speed
10. FADE key for colour gradient, up and down keys to adjust speed
11. The SOUND key is for sound activated control, and up / down keys adjust the current sound activated mode



## Control

- Control mode: DMX512, 2.4G Wireless DMX,IR, WiFi (supports Apple and Android)
- DMX Channels: 2 / 6 / 8 / 11
- Color temperature: 2700-10000K adjustable
- Display: OLED Touch Screen
- Cooling: Silent - No fan

## Housing

- Material: Die Cast Aluminum
- Finishing: Matte Black
- Net Weight: 3kg

## Optional Accessories

- White Globe & Top Hat top

## Package

- Individual or Flight case of 6 units & Globes / Top Hats

## Operation Hints :

Powerup the light by pressing the SILVER Power button on the base of the light.

You will be greeted with the VK615ORB welcome message

To adjust the light the Menu / Up / Down / Enter buttons only require a quick tap to select the required feature. DO NOT PRESS AND HOLD the buttons unless specifically instructed to in these operation instructions.

3.Touch panel operation instructions



4.Menu Structure

Display Mode		Function Description
Address	001—512	Address code settings
Channel	2CH	2-channel mode
	6CH	6-channel mode
	8CH	8-channel mode
	11CH	10-channel mode
DMX Fail	Blackout	Control panel data blackout
	Hold	Control panel data retention
Frequency	600HZ	600 refresh rate
	1200HZ	1200 refresh rate
	2000HZ	2000 refresh rate
	4000HZ	4000 refresh rate
	12KHZ	12K refresh rate
	25KHZ	25K refresh rate

DMX 8 Channel Mode

Channel	Value	Function
1	1~255	Master dimmer
2	0~9	Off
	10-255	Strobe (slow to fast)
3	1~255	Red dimmer
4	1~255	Green dimmer
5	1~255	Blue dimmer
6	1~255	White dimmer
7	1~255	Amber dimmer
8	1~255	UV dimmer

DMX 11 Channel Mode

Channel	Value	Function
1	1~255	Master dimmer
2	1-255	Red dimmer
3	1~255	Green dimmer
4	1~255	Blue dimmer
5	1~255	White dimmer
6	1~255	Amber dimmer
7	1~255	UV dimmer
8	0~9	Off
	10~255	Strobe (slow to fast)
9	0~10	Off
	11~20	Colour temperature 2000K
	21~30	Colour temperature 2200K
	31~40	Colour temperature 2400K
	41~50	Colour temperature 2600K
	51~60	Colour temperature 2800K
	61~70	Colour temperature 3200K
	...	...

## 5.1 DMX 2 Channel Mode

Channel	Value	Function
1	0~255	Total dimmer
2	0~10	Off
	11~20	Colour temperature 2000K
	21~30	Colour temperature 2200K
	31~40	Colour temperature 2400K
	41~50	Colour temperature 2600K
	51~60	Colour temperature 2800K
	61~70	Colour temperature 3200K
	71~80	Colour temperature 3600K
	81~90	Colour temperature 4000K
	91~100	Colour temperature 4400K
	101~110	Colour temperature 4800K
	111~120	Colour temperature 5200K
	121~130	Colour temperature 5600K
	131~140	Colour temperature 6000K
	...	...
	221~230	Colour temperature 9600K
	231~240	Colour temperature 10000K
	241~255	No Function

## 6 DMX 6 Channel Mode

Channel	Value	Function
1	1~255	Red dimmer
2	1~255	Green dimmer
3	0~255	Blue dimmer
4	0~255	White dimmer
5	0~255	Amber dimmer
6	0~255	UV dimmer

Custom	Red:0-255		Red manual dimming	
	Green:0-255		Green manual dimming	
	Blue:0-255		Blue manual dimming	
	White:0-255		White manual dimming	
	Yellow:0-255		Yellow/Amber manual dimming	
	UV:0-255		UV Purple manual dimming	
Program	Static	Colour:01-32		32 static colour blends
		Speed:00-16		Strobe speed (when the speed is 00, it is a static colour mixing)
	Auto	Speed:00-16		Colour jump
	Fade	Speed:00-16		Colour fade time
	Sound	Sound:01	Sens:00-99	Sound activated colour change
		Sound:02	Sens:00-99	Sound activated fade / mutation
		Sound:03	Sens:00-99	Sound activated strobe
		Sound:04	Sens:00-99	Sound activated colour change / fade / colour change flicker
	CCT	2000K		Colour Temperature set between 2000k and 1000k
		2200K		
		2400K		
		2600K		
		2800K		
		3200K		
		3600K		
		4000K		
		4400K		
		4800K		
		5200K		
		5600K		
6000K				
6400K				

		6800K		
		7200K		
		7600K		
		8000K		
		8400K		
		8800K		
		9200K		
		9600K		
		10000K		
	WIFI	LED_XXX		WIFI mode and link address
<b>Wireless</b>	<b>DMX</b> (ON/OFF)		Wireless 2.4G on/off	
	Group ID:1-7		7 frequency bands red/green/yellow/blue/purple/blue/white	
<b>Run Time</b>	2/4/6/8 hour (default 4 hour)		Expected fixture usage time – unit will adjust brightness of selected colour so battery will last expected time	
<b>Back Light</b>	Always on		Display normally open	
	10s		Display off after 10 seconds	
	20s		Display off after 20 seconds	
	30s		Display off after 30 seconds	
<b>IR</b>	ON/OFF		Infrared remote control on/off	
<b>Menu Lock</b>	ON/OFF		Key lock on/off (When locking the screen, long press the UP+DOWN key to unlock)	
<b>Factory Reset</b>	NO/YES		System self-test reset	
<b>Curve</b>	Led Curve 1		linear curve	
	Led Curve 2		Square curve	
	Led Curve 3		Logarithmic curve	
	Led Curve 4		s-curve	
<b>Information</b>	Version V10		Software version	

#### 4. Remarks:

**A.** In A001 state mode, press and hold the Enter key for 3 seconds before the program automatically enters current mode. Press the Enter key again to select the colour (adjust the value with the up and down keys), and then press the menu key to return.

**B.** The frequency band indicator light is red slow flashing when the host sends, and green slow flashing when the slave receives.

**C.** Steps for controlling mobile WIFI are as follows:

1: Install the app for this software on your phone (LED LAMP - Stage - LED LIGHT)

2: Switch the lamp display function to WIFI mode (under the menu Program \ WIFI mode)

3: Open the settings icon on your phone, open WIFI, and search for the WIFI address. The text starting with LED will appear. For example, "LED-XXX", click on the link

4: Return to the main interface of the phone, find the installed app on the phone and open it. Wait for the link to be successful to control it.

**D.** In the menu Wireless mode, the 7 frequency bands of wireless 2.4G can be adjusted, and the corresponding light colours for the 7 frequency bands are as follows (01 red/02 green/03 yellow/04 blue/05 light blue/06 purple/07 white)

**E.** During the charging process, the LCD will display the charging screen (if you need to use the lighting fixture while charging, press the MENU key to enter the operation mode and operation mode of the lighting fixture)

**F.** Over temperature protection function: (1. When the temperature reaches 50 degrees and 59 degrees, the program will automatically reduce the brightness by 30%. 2. When the temperature reaches 60° and 69°, the program will automatically reduce the brightness by 25%. When the temperature reaches 70° and 79°, the program will automatically reduce the brightness by 30%. When the temperature reaches 80°, the program will automatically turn off the light.)