VIKING
STAGE LIGHTING



VK855 MITI

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INTRODUCTION
Thank you for selecting the VK855 MITI LED BSWF

WARNING !
This product is not suitable for household use.

You now own a professional lighting unit that offers endless possibilities. Before installing, make sure that no damage was done to your light during transport.

For your own safety and that of others, please read this instruction manual carefully before installing the unit.

Anyone involved in installing, operating or servicing the VK855 LED BSWF must:
• Be a qualified, authorized professional
• Strictly follow the instructions in this user manual.

Please take the time to read this manual carefully and thoroughly before installing and operating the VK855 LED BSWF . You should have a good knowledge of its operating conditions and all pertinent product information.

After you have become familiar with this manual, we recommend that you keep a copy for future use. All the information found in this manual is subject to change without notice.

SAFETY INSTRUCTIONS
Please read the safety instructions and warnings in this manual carefully before installing and operating the VK855 LED BSWF.

WARNING!
Risk of electric shock.
Use caution when handling. This fixture requires high voltage, which can result in electric shock.

The fixture left our factory in perfect working condition. However, if you notice a defect, immediately contact your authorized VK855 LED BSWF dealer before use. The manufacturer cannot be held responsible for damages caused by a failure to follow the safety, installation or assembly instructions contained herein, or by any modification made to the VK855 LED BSWF.

Failure to observe the safety, installation or assembly instructions contained herein, or any modification made to the VK855 LED BSWF will render the warranty null and void.

Check that the supply voltage does not exceed the maximum authorized limit. Check that your electrical installation complies with current standards.

In all cases, make sure that the power cables attached to your fixture have not been damaged due to cuts and splices or crushed in any way.
Handle these cables with extreme caution while they are connected to a power source.

Your VK855 LED BSWF conforms to Class 1 safety standards. The unit must be grounded electrically. Make sure that the power source connected to your fixture is switched off before attempting any work on it.

Installation and connection to an electrical source must be performed by an authorized installer. Our factory declines all responsibility should this fixture be installed by an unqualified person.

Never disconnect your fixture by pulling on the power cable! First unlock the connector lock ring on the power cable until it is fully disengaged, and then gently pull on the connector to disconnect the cable.

Do not connect or disconnect the power cable of your fixture with wet hands.

At first use, your fixture may give off an odour.. This is a normal occurrence that should dissipate after a few minutes of operation.

WARNING!
Do not connect or disconnect the power cable at your fixture if the cable is energized! This could cause arcing and damage you're your fixture, requiring repair.

Be careful to power off your fixture by removing the power plug from the source, before connecting or disconnecting the fixture.

Never look directly into the lamps if lit or stand directly in line with the fixture if close by.

Installation, removal or replacement of the unit must be performed with power off to prevent any risk of glare and eye injury.

WARNING!
The fixture quickly becomes very hot during operation.

To avoid risk of burn, never handle or adjust the fixture while it is energized and after it has been lit for more than 10 consecutive minutes. Some parts of the fixture can reach a high temperature, particularly the body/radiator. Turn off the fixture and wait for it to cool before handling.

CONDITIONS OF USE
Your VK855 LED BSWF is a moving-head lequipped with LED source intended for professional use (e.g., architectural, stage, television, theatre, or museum lighting).

The VK855 LED BSWF has an IP65 protection rating.

Condensation may form on your VK855 LED BSWF in the following cases:
• Immediately after turning on the heating
• In places with fog or a high level of humidity
• When the light is suddenly moved from a cold to a warm environment, or vice versa.

In such cases, you must wait until the light readjusts to the ambient temperature of the room where it will be installed for operation.

Do not shake the VK855 LED BSWF while installing or handling.

Do not pull the fixture by one of its cables to move it. Lift the fixture by its handles.

Choosing the appropriate place to install the fixture is essential. The following points should be observed:

- Do not expose it to a heat source.
- Do not install it near flammable materials.
- Be sure that dust or miscellaneous debris cannot clump around the body of the luminaire as this may interfere with its optimal cooling and proper operation.
- The VK855 LED BSWF must be installed out of reach of the public and all persons not authorized to operate the light.

We recommend a minimum distance of 5 m between the outside surface of the light and the illuminated object.

Due to the nature of its cooling principle, you should never prevent air from circulating around the body of the fixture. You must provide a minimum clearance around your fixture to allow for cooling.

The fixture can be installed in a ground pit or any other confined enclosure only under certain conditions. With this kind of installation, a system of forced ventilation should be used up to allow air to circulate freely around the fixture. The air must be constantly renewed because the light cannot be operated in closed system. Failure to comply with these requirements may destroy or prematurely wear the fixture , and manufacturer cannot be held responsible. Please consult your VK855 LED BSWF dealer for more information on this type of installation.

No load should be placed on the VK855 LED BSWF . The fixture must not be installed in such a way as to allow a person, vehicle or any object to run over or park on it.

Never lay or drop any hard, heavy, or blunt, objects on the fixture. This includes items made of glass or porcelain (e.g., bottles, dishware, or glass beads). The fixture is made of materials such as plastic and extruded aluminium, making it resistant but not unbreakable. Objects made of hard materials such as steel or glass that fall on the unit may cause breakage of the plastic parts or the body. Our factory cannot be held responsible for the fixture' s broken plastic parts or body, which are not covered under warranty.

The temperature of the room where the fixture is installed must never exceed 45°C (Ta = 45°C).

The fixture requires a 110-240 VAC supply voltage. Check that your fixtures have been installed for an application that is compatible with this information.

Check that the brackets on which you hang or attach your fixture can sustain the weight of the fixture (31kg), taking into consideration all necessary safety factors.

Do not use your fixture before being familiar with these recommendations and do not allow unqualified personnel to handle the product.

To transport your VK855 LED BSWF, we strongly recommend that you use the complete original packaging, including the dense protective foam inserts.

If your VK855 LED BSWF is not being used for a long period, you should disconnect the fixture from the power source.

Never dispose of the in a rubbish bin. Ensure that it is recycled.
Please consult the current legislation in your country on recycling electronic equipment.

PRESENTATION AND FEATURES

The VK855 LED BSWF is a waterproof moving head light (IP65 protection rating) using the latest generation of high-performance of LED-type lamps.

This VK855 LED BSWF can be controlled remotely by an external DMX512 signal.

The VK855 LED BSWF incorporates high power white LED source.

The VK855 LED BSWF requires from 42 to 65 DMX channels to be controlled via an external command system that sends a DMX512 signal (see below for details).

To adjust the settings on the fixture (i.e., DMX address, DMX operating mode and other options), a Remote Device Management (RDM)-type DMX controller may be required. The DMX RDM protocol is a universal, widely used standard.

There are a multitude of RDM DMX controllers on the market from different manufacturers . It is worth noting that an RDM DMX controller is not required to change the settings on the fixture . A light console or any standard DMX-type controller is sufficient.

The VK855 LED BSWF consists of a metal frame and plastic covers. The power connectors and DMX512 signal connectors are on the back of the fixture' s base.

TECHNICAL PARAMETER

POWER

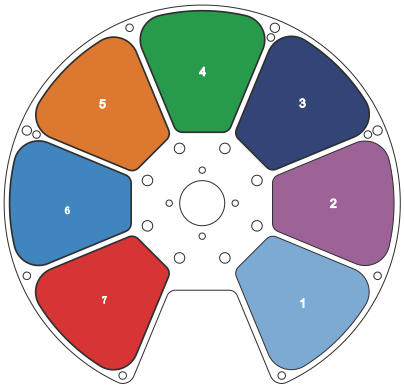
- Voltage:AC100~240v,50/60Hz
- Source: 855w white LED
- Power consumption: 1000w
- CT:7200K
- Life: > 20,000H

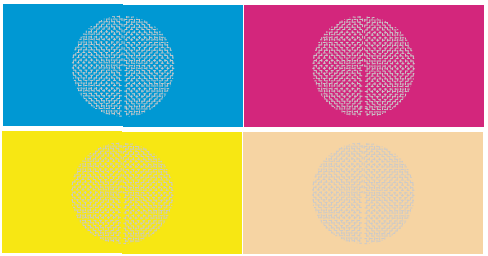
MOVEMENT

- Pan movement: 540° (16 bit)
- Tilt movement: 270° (16 bit)
- Advanced motion system: auto repositioning, fast, quiet and smooth

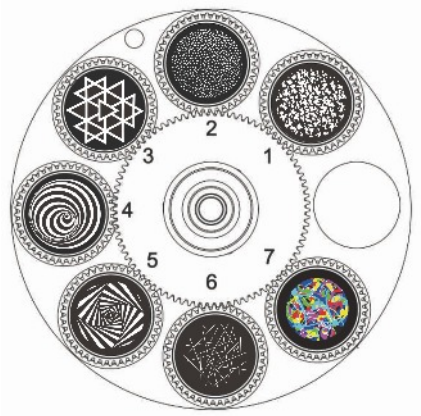
COLOURS

- **1 colour wheels with 7 colours + white**
- Interchangeable ,indexable ,bidirectional rainbow effect
- CMY Colour Mixing
- Linear CTO(2700K-7200K)

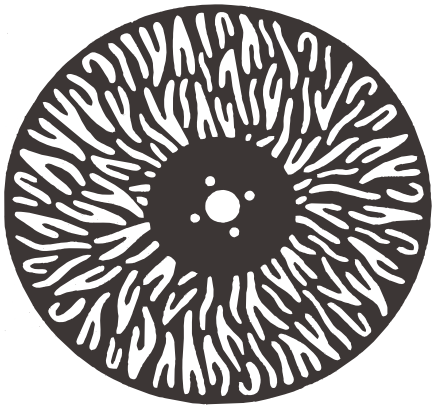




- **Static gobo wheel:**
  9 interchangeable gobo+ open ,indexable and gobo shaking effect
- **Rotating gobo wheel:**
  7 interchangeable gobo+ open ,indexable and gobo shaking effect
  All gobo are Glass Gobos: 25.7mm outer & 14mm image diameter
- **Animation Wheel:** Full 360 degree special dynamic animation effect







GLASS ROTATING GOBOS

In order of rotation on Rotating Gobo Wheel



1 2 3 4 5 6 7

FEATURES

- DMX channels: 42/65CH
- 2 Rotating Prisms: 1x5 facet circular prism & 1x4-facet linear
- Can rotate in both direction at variable speeds
- Motorized Focus
- Zoom: 3.8°- 50° linear zoom
- Variable & Random Strobe
- 2 Variable Frost filters: Light 1° & Heavy 5°
- Dimming: 0-100% linear dimming
- 5%-100% electronic Iris

FRAMING SYSTEM

- 4 fast and smooth framing shutters,
- Each shutter blade position and angle can be controlled individually
- Movement is fast & smooth, with adjustable speed
- Framing shutters can be precise motion with smooth movement
- Each shutter blade can block out light completely
- The framing module can be rotated at +/- 90°

DISPLAY

- 2.8 inch LCD display & menu
- Auto lock and display flip
- Pan/ Tilt reverse

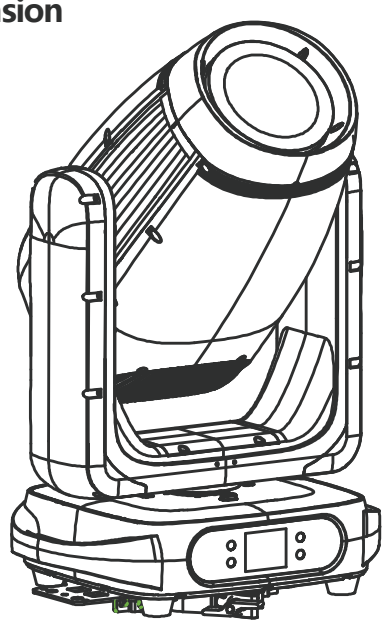
SOFTWARE

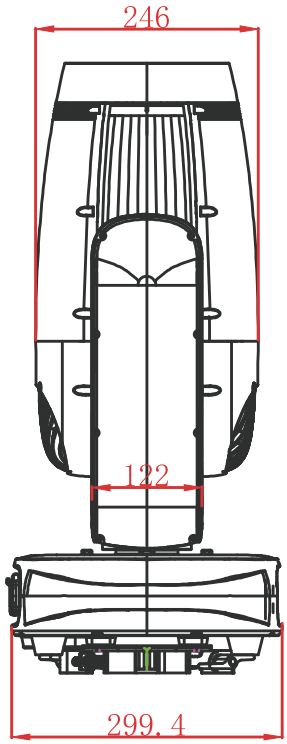
- Remote reset DMX address, fixture reset
- Sound control by DMX

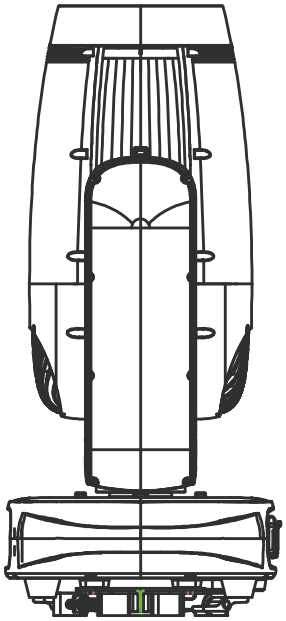
OTHER SPEC

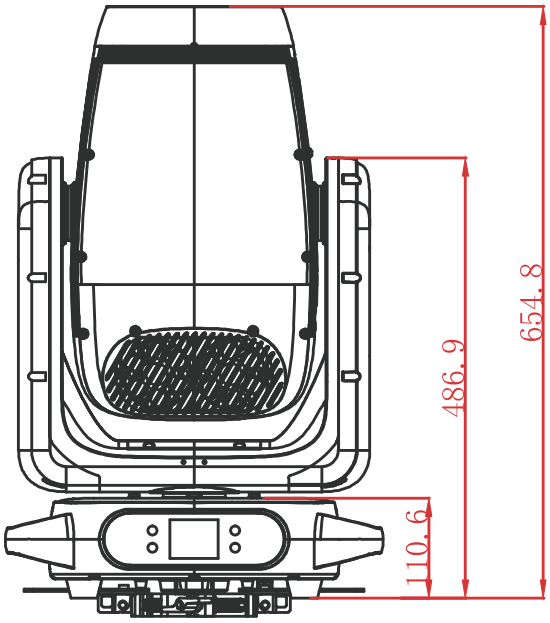
- Input signal isolation
- RDM compatible
- Self-adjusting variable speed fans
- Excess-temperature protection
- Transport Locks on Pan & Tilt
- 2 Foldable Pro Hook Clamps for Hanging Fixture
- Dimension: 418 x 300 x 655mm
- Net Weight: 31 Kg

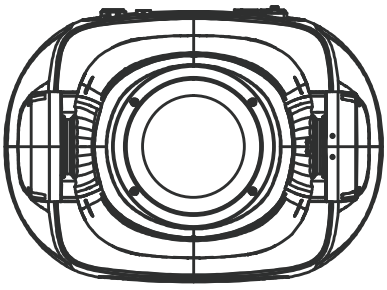
Dimension

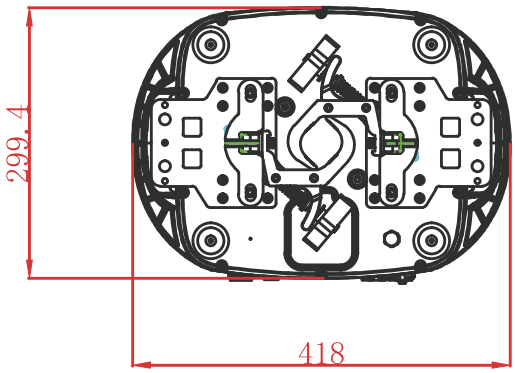






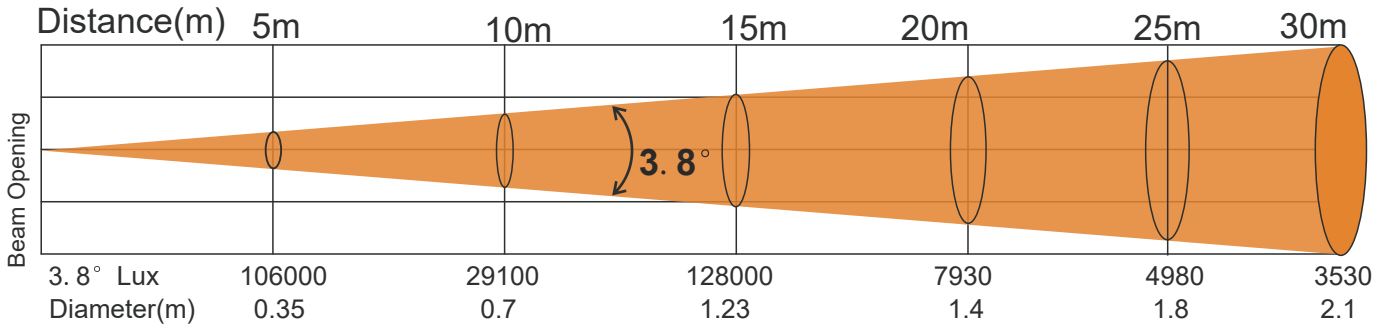




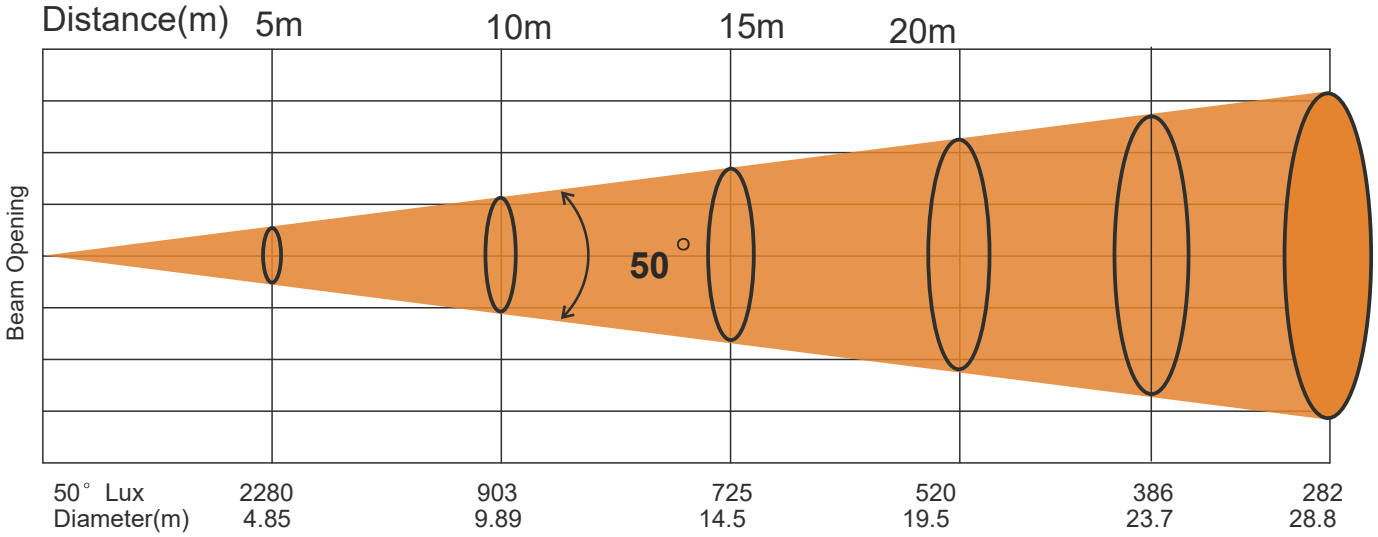


Photometric

Beam Angle



Beam Angle



Display: To show the various menus and the selected function.

Button:

Enter	To perform the desired functions
DOWN	To go to move down in the menu
MENU	To enter into move backward or leave the menu
UP	To go backward or move up in the menu

ETHERNET: Transfers fixture' s information to a main controller.
DMX input: For DMX 512 operation, use 3/5-pin XLR plug cable to link the units together
DMX output: For DMX 512 operation, use 3/5-pin XLR plug cable to link the units together

How To Set The Unit
Main Function

Turn on the unit, press the MENU button into menu mode, and press the UP/DOWN button until the required function is shown on the monitor, select the function by the ENTER button, Use the UP/DOWN button to choose the SUB-Menu , press the ENTER button to store and automatically return to the last menu. Press the MENU button or let the unit idle one minute to exit menu mode.

The main functions are shown below:

MAIN MENU	SUBMENU	CHOICES 1	CHOICES 2	VALUES
Set config	Address	001~512		
	Channel mode	Standard (42CH)		
		Extended (65CH)		
	Mode	DMX		
		Slave		
		Auto	Auto Speed	0~255
		Sound	Sensitivity	0~255
	Fixture settings	No DMX	Blackout	
			Freeze	
		Pan Reverse	OFF	
			ON	
		Tilt Reverse	OFF	
			ON	
		Encoders	OFF	
			ON	
		Display Reverse	OFF	
			ON	
		Fan Set	Silent	
			Auto	
			High	
		Dimmer Curve	Square Law	
			Inv SQ Law	
			Linear	
			S Curve	
		Dimmer Mode	Standard	
			Stage	
			TV	
			Architecture	
			Theatre	
		Dimmer Frequen	800Hz	
			1200Hz	
			3600Hz	
			5000Hz	
			10KHz	
			15KHz	
			20KHz	
			25KHz	
		Gobo Correction	OFF	
			ON	

		Defaults	Factory Load	OFF
				ON
			User Load	OFF
				ON
			User save	OFF
				ON
		Language	English	
			Chinese	
		User Time	Password	*****
			Time	
Information		Time Info	Current Time	***h
			Total Run Time	***h
			LED Run Time	***h
		Temp Unit	Celsius	
			Fahrenheit	
		Error Info	No Error Record	
		Model Info		
		Software Ver	V1.00	
Manual		Test	OFF	
			ON	
		Manual Control	Pan	0~255
			Pan Fine	0~255
			Tilt	0~255
			Tile Fine	0~255
			Pan/Tilt Speed	0~255
			Strobe	0~255
			Dimmer	0~255
			Reserved	0~255
			Reserved	0~255
			Reserved	0~255
			Zoom	0~255
			Focus	0~255
			Auto Focus	0~255
			Auto Focus Fine	0~255
			Colour Wheel	0~255
			Cyan	0~255
			Magenta	0~255
			Yellow	0~255
			CTO	0~255
			Fix Gobo wheel	0~255

		Rot Gobo Wheel	0~255
		Gobo Rot	0~255
		Animation wheel	0~255
		Iris	0~255
		Prism 1	0~255
		Prism 1 Rot	0~255
		Prism 2	0~255
		Prism 2 Rot	0~255
		Frost 1	0~255
		Frost 2	0~255
		Blade 1A	0~255
		Blade 1B	0~255
		Blade 2A	0~255
		Blade 2B	0~255
		Blade 3A	0~255
		Blade 3B	0~255
		Blade 4A	0~255
		Blade 4B	0~255
		AllBlade Rot	0~255
	Reset	All	
		Pan&Tilt	
		Color	
		Gobo	
		Other	
Calibrate	Password(008)	***(008)	
		Pan	0~255
		Tilt	0~255
		Colour Wheel	0~255
		Cyan	0~255
		Magenta	0~255
		Yellow	0~255
		Fixed Gobo Wheel	0~255
		Rot Gobo Wheel	0~255
		Gobo Rot	0~255
		Zoom	0~255
		Focus	0~255
		Iris	0~255
		Prism1	0~255
		Prism1 Rot	0~255
		Prism2	0~255

		Prism2 Rot	0~255
		Frost 1	0~255
		Frost 2	0~255
		Blade 1A	0~255
		Blade 1B	0~255
		Blade 2A	0~255
		Blade 2B	0~255
		Blade 3A	0~255
		Blade 3B	0~255
		Blade 4A	0~255
		Blade 4B	0~255
		All Blade Rot	0~255

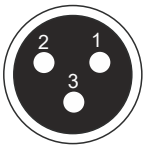
CH	Standard (42CH)	Extended (65CH)
1	PAN Movement 8bit	PAN Movement 8bit
2	Pan Fine 16bit	Pan Fine 16bit
3	TILT Movement 8bit	TILT Movement 8bit
4	Tilt Fine 16bit	Tilt Fine 16bit
5	Pan Motor continuous rotation	Speed Pan/Tilt movement
6	Tilt Motor continuous rotation	Pan Motor continuous rotation
7	Shutter, strobe	Tilt Motor continuous rotation
8	Dimmer intensity	Shutter, strobe
9	Fine Dimmer intensity	Dimmer intensity
10	Zoom	Fine Dimmer intensity
11	Zoom Fine	Zoom
12	Focus	Zoom Fine
13	Focus Fine	Focus
14	Colour Wheel	Focus Fine
15	Colour Wheel Fine	Auto Focus
16	Cyan Colour	AutoFocus Fine
17	Magenta Colour	Colour Wheel
18	Yellow Colour	Colour Wheel Fine
19	CTO Colour	Cyan Colour
20	Reserved	Cyan Colour Fine
21	Rotating gobos	Magenta Colour
22	Rotating gobo index	Magenta Colour Fine
23	Rotating gobo indexing Fine	Yellow Colour
24	Fixed Gobo2	Yellow Colour Fine
25	Animation wheel	CTO Colour
26	Iris	CTO Colour Fine
27	Prism 1	Reserved
28	Rotating prism index	Reserved
29	Prism 2	Reserved
30	Rotating prism index	Reserved
31	Frost 1	Reserved
32	Frost 2	Rotating gobos
33	Blade 1A	Rotating gobo index

34	Blade 1B	Rotating gobo indexing Fine 1
35	Blade 2A	Fixed Gobo2
36	Blade 2B	Animation wheel
37	Blade 3A	Iris
38	Blade 3B	Iris Fine
39	Blade 4A	Prism 1
40	Blade 4B	Rotating prism index
41	All Blade Rotation	Rotating prism indexing Fine
42	Reset，LCD，Fans	Prism 2
43		Rotating prism index
44		Rotating prism indexing Fine
45		Frost 1
46		Frost 2
47		Blade 1A
48		Blade 1A Fine
49		Blade 1B
50		Blade 1B Fine
51		Blade 2A
52		Blade 2A Fine
53		Blade 2B
54		Blade 2B Fine
55		Blade 3A
56		Blade 3A Fine
57		Blade 3B
58		Blade 3B Fine
59		Blade 4A
60		Blade 4A Fine
61		Blade 4B
62		Blade 4B Fine
63		All Blade Rotation
64		All Blade Rotation Fine
65		Reset，LCD，Fans

DMX512 CONNECTION

Connect the DMX input (XLR connector) cable of the light to the DMX output (female XLR connector) of your controller. You can connect multiple fixtures to this same DMX line in a daisy chain. The DMX cable must be a shielded twisted pair that is equipped with male and female XLR connectors.

DMX output
3-pin XLR Socket



DMX input
3-pin XLR Socket



1:Ground
2:Signal(-)
3:signal(+)

or

DMX output
5-pin XLR Socket



DMX input
5-pin XLR Socket



1:Ground
2:Signal(-)
3:signal(+)
4: N.A.
5: N.A.

USING DMX VIA ART-NET

To control the fixture via ArtNet, the fixtures must be interconnected with RJ45 cable. Be careful to set all necessary information regarding the ART-NET configuration with universe being used and specify in the menu that the fixture is being controlled through ART-NET (see OPTION DETAILS in the « OPTIONS » menu).

THE VK855 LED BSWF DMX ADDRESS SETTING

All VK855 LED BSWF must have a DMX start address correctly set when using a DMX signal to control them. The DMX start address is the channel from which the VK855 LED BSWF "listens" to the digital control information sent by the DMX controller.

The start address must conform to the one set on the DMX controller to control the fixture. This address is the DMX value that appears on the fixture' s display. You can set the same address for all the fixtures, or some of them, but you can also set a different address for each fixture, as needed. If you do set the same address for all the fixtures, they will all "listen" from the DMX channel you have set. The instructions sent by the DMX controller will affect all fixtures at the same time. If you set a different address per fixture, the DMX controller can control each independently. If, for instance, the fixtures are preset in 00-channel DMX mode (required for full control), you will need to adjust the DMX address for the light as follows: The first unit with DMX address 001, the second with DMX address 043(42+ 1), the third with DMX address 085 (043+42), etc.

DMX 512 Configuration

Please refer to below configurations to control the fixtures

Attentions:

1. The unit will maintain the last condition until reset if you cut-off the DMX signal.
2. For the channel Function, keep the value for about 5 seconds, then the corresponding function will take into effect.

Mode/Channel	Mode/Channel	Value	Function	Default Value
Standard	Extended			
1	1		**PAN Movement 8bit :**	
		0-255	Pan Movement	128
2	2		**Pan Fine 16bit**	
		0-255	Fine control of Pan movement	0
3	3		**TILT Movement 8bit :**	
		0-255	Tilt Movement	128
4	4		**Tilt Fine 16bit**	
		0-255	Fine control of Tilt movement	0
-	5		**Speed Pan/Tilt movement:**	
		0-225	max to min speed	0
		226-235	blackout by movement	
		236-245	blackout by all wheel changing	
		246-255	no function	
5	6		**Pan Motor continuous rotation**	
		0-63	stop rotation by spinout	0
		64-127	stop rotation by shortcut	
		128-189	Forwards Pan rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards Pan rotation from slow to fast	
6	7		**Tilt Motor continuous rotation**	
		0-63	stop rotation by spinout	0
		64-127	stop rotation by shortcut	
		128-189	Forwards Tilt rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards Tilt rotation from slow to fast	

7	8		**Shutter, strobe:**	
		00-10	Shutter closed	
		11-20	No function (shutter open)	15
		21-117	Strobe effect slow to fast	
		118-126	No function (shutter open)	
		127-180	Pulse-effect in sequences	
		181-191	No function (shutter open)	
		192-245	Random strobe effect slow to fast	
		246-255	No function (shutter open)	
8	9		**Dimmer intensity:**	
		0-255	Intensity 0 to 100%	0
9	10		**Fine Dimmer intensity:**	
		0-255	Dimmer intensity fine	
10	11		**Zoom :**	
		0-255	Zoom adjustment from small to big	128
11	12		**Zoom Fine:**	
		0-255	Zoom adjustment Fine	0
12	13		**Focus :**	
		0-255	Continuous adjustment from near to far	128
13	14		**Focus Fine:**	
		0-255	Continuous adjustment Fine	0
-	15		**Auto Focus :**	
		0-50	Auto Focus Off	0
		51-100	5m	
		101-150	7.5m	
		151-200	10m	
		201-255	15m	
-	16		**AutoFocus Fine:**	
		0-255	Continuous adjustment Fine	0
			Color Wheel:	
		00-3	Open / white	0
		4-7	Color 1	
		8-11	Color 2	

14	17	12-15	Colour 3	
		16-19	Colour 4	
		20-23	Colour 5	
		24-27	Colour 6	
		28-31	Colour 7	
		32-127	Colour indexing	
		128-189	Forwards rainbow effect from fast to slow	
		190-193	No rotation	
		194-255	Backwards rainbow effect from slow to fast	
15	18		**Colour Wheel**	
		0-255	Color Wheel colour change to any position Fine	0
16	19		**Cyan Colour**	
		0-255	Cyan (0-white, 255-100% Cyan)	0
-	20		**Cyan Color Fine :**	
		0-255	Cyan Fine	0
17	21		**Magenta Colour**	
		0-255	Magenta (0-white, 255-100% magenta)	0
-	22		**Magenta Colour Fine**	
		0-255	Magenta Fine	0
18	23		**Yellow Colour**	
		0-255	Yellow (0-white, 255-100% Yellow)	0
-	24		**Yellow Colour Fine**	
		0-255	Yellow Fine	0
19	25		**CTO Colour**	
		0-255	CTO (0-white, 255-100% CTO)	0
-	26		**CTO Colour Fine**	
		0-255	CTO Fine	0
20	27		**Reserved**	
			Reserved	0
-	28		**Reserved**	
			Reserved	0
-	29		Reserved	
-	30		Reserved	
-	31		Reserved	

21	32		**Rotating gobos, cont. rotation 1:**	
		00-9	Open	0
		10-19	Rot. gobo 1	
		20-29	Rot. gobo 2	
		30-39	Rot. gobo 3	
		40-49	Rot. gobo 4	
		50-59	Rot. gobo 5	
		60-69	Rot. gobo 6	
		70-77	Rot. Gobo 7	
		78-93	Gobo 1 shake slow to fast	
		94-109	Gobo 2 shake slow to fast	
		110-125	Gobo 3 shake slow to fast	
		126-141	Gobo 4 shake slow to fast	
		142-157	Gobo 5 shake slow to fast	
		158-173	Gobo 6 shake slow to fast	
		174-189	Gobo 7 shake slow to fast	
		190-221	Gobo wheel rotation forwards from fast to slow	
		222-223	No rotation	
		224-255	Gobo wheel rotation f backwards from slow to fast	
22	33		**Rotating gobo index,rotating gobo rotation 1:**	
		0-127	Gobo indexing	0
		128-189	Forwards gobo rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards gobo rotation from slow to fast	
23	34		**Rotating gobo indexing Fine 1:**	
		0-255	Fine indexing	0
			Fixed Gobo2 :	
		00-9	open	0
		10-19	Gobo 1	
		20-29	Gobo 2	
		30-39	Gobo 3	
		40-49	Gobo 4	
		50-59	Gobo 5	

24	35	60-69	Gobo 6	
		70-79	Gobo 7	
		80-89	Gobo 8	
		90-99	Gobo 9	
		100-109	Gobo 1 shake slow to fast	
		110-119	Gobo 2 shake slow to fast	
		120-129	Gobo 3 shake slow to fast	
		130-139	Gobo 4 shake slow to fast	
		140-149	Gobo 5 shake slow to fast	
		150-159	Gobo 6 shake slow to fast	
		160-169	Gobo 7 shake slow to fast	
		170-179	Gobo 8 shake slow to fast	
		180-189	Gobo 9 shake slow to fast	
		190-221	Clock-wise scroll from fast to slow	
		222-223	Reserved	
		224-255	Counter clock-wise scroll from slow to fast	
25	36		**Animation wheel:**	
		00-7	No rotation	0
		8-127	Forwards rotation from fast to slow	
		128-135	No rotation	
		136-255	Backwards rotation from slow to fast	
26	37		**Iris:**	
		0-191	Max. diameter to Min.diameter	0
		192-223	Pulse closing fast to slow	
		224-255	Pulse opening slow to fast	
-	38		**Iris Fine:**	
		0-255	Iris Fine	0
27	39		**Prism 1:**	
		0-127	Open	0
		128-255	Prism 1	
			Rotating prism index & prism rotation 1	
		0-127	Prism indexing	0

28	40	128-189	Forwards prism rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards prism rotation from slow to fast	
-	41		**Rotating prism indexing Fine 1:**	
		0-255	Fine indexing	0
29	42		**Prism 2:**	
		0-127	Open	0
		128-255	Prism 2	
30	43		**Rotating prism index, & prism rotation 2**	
		0-127	Prism indexing	0
		128-189	Forwards prism rotation from fast to slow	
		190-193	No rotation	
		194-255	Backwards prism rotation from slow to fast	
-	44		**Rotating prism indexing Fine 2:**	
		0-255	Fine indexing	0
31	45		**Frost 1:**	
		0-255	0-100%	0
32	46		**Frost 2:**	
		0-255	0-100%	0
33	47		**Blade 1A :**	
		0-255	Open to Close	0
-	48		**Blade 1A Fine :**	
		0-255	Open to Close Fine	0
34	49		**Blade 1B :**	
		0-255	Open to Close	0
-	50		**Blade 1B Fine :**	
		0-255	Open to Close Fine	0
35	51		**Blade 2A :**	
		0-255	Open to Close	0
-	52		**Blade 2A Fine :**	
		0-255	Open to Close Fine	0

36	53		**Blade 2B :**	
		0-255	Open to Close	0
-	54		**Blade 2B Fine :**	
		0-255	Open to Close Fine	0
37	55		**Blade 3A :**	
		0-255	Open to Close	0
-	56		**Blade 3A Fine :**	
		0-255	Open to Close Fine	0
38	57		**Blade 3B :**	
		0-255	Open to Close	0
-	58		**Blade 3B Fine :**	
		0-255	Open to Close Fine	0
39	59		**Blade 4A :**	
		0-255	Open to Close	0
-	60		**Blade 4A Fine :**	
		0-255	Open to Close Fine	0
40	61		**Blade 4B :**	
		0-255	Open to Close	0
-	62		**Blade 4B Fine :**	
		0-255	Open to Close Fine	0
41	63		**All Blade Rotation :**	
		0-255	All Blade Rotation	128
-	64		**All Blade Rotation Fine :**	
		0-255	All Blade Rotation Fine	0
			Control, reset, internal programs:	
		00-4	unused	0
		5-9	Display Off	
		10-14	Display On	
		15-19	Display Invert Off	
		20-24	Display Invert On	
		25-26	Auto fan control mode	
		27-28	Stage fan control mode	
		29-30	Silence fan control mode	

			31-44	unused
			45-49	Square Law
			50-54	Linear
			55-58	1.2K
			59-62	2.4K
			63-66	16K
			67-69	25K
			70-74	Gobo correction Off
			75-79	Gobo correction On
			80-84	All motor reset
			85-87	Scan motor reset
			88-90	Colours motor reset
			91-93	Gobo motor reset
			94	unused
			95	Reset P/T Fade Off
			96	Reset P/T Fade On
			97-99	Other motor reset
			100-102	Frost Progressive Off
42		65	103-105	Frost Progressive On
			106-108	CMY speed Fast
			109-111	CMY speed Medium
			112-114	CMY speed Slow
			115-126	unused
			127-129	Pan Reverse Off
			130-132	Pan Reverse On
			133-135	Tilt Reverse Off
			136-138	Tilt Reverse On
			139-150	unused
			151-153	Feedback Off
			154-156	Feedback On
			157-159	Init PAN Off

		160-162	Init PAN On	
		163-165	Init TILT Off	
		166-168	Init TILT On	
		169-171	Prerig INIT Off	
		172-174	Prerig INIT On	
		175-180	unused	
		181-183	Pan/Tilt Spd Fast	
		184-186	Pan/Tilt Spd Medium	
		187-189	Pan/Tilt Spd Slow	
		190-192	unused	
		193-195	Zoom/Focus Spd Fast	
		196-198	Zoom/Focus Spd Medium	
		199-201	Zoom/Focus Spd Slow	
		202-255	unused	

ERROR MESSAGES

When you turn on the VK855 855w LED hybrid fixture, it will first perform an automatic reset. The display
may show "Err channel is XX" indicating there is a problem with one or more of the channels. "XX" represents channel 1, 2, 3, 4, 5 or 6, which contain the testing sensor for positioning. For example, the message, "Err channel is Pan movement", indicates an error in channel 1. If there is an error on channel 1 and channel 3 at the same time, the following error message may appear: "Err channel is Pan movement", "Err channel is Tilt movement". The system will flash twice, and the fixture will generate a second reset. If the error message persists after more than two resets, the channels showing errors will not work properly but the other channels will function normally.

Please contact your authorized dealer or manufacturer for service and do not attempt to repair the light yourself.

PAN- movement Er

(PAN-yoke movement error): This message will appear after the reset if the yoke magnetic-indexing circuit malfunctions (failed sensor or magnet missing) or the stepping-motor is defective (also caused by its driving IC on the main PCB). The PAN- movement does not return to the default position after the reset.

TILT- movement Er

(TILT- head movement error) This message will appear after the reset of the fixture if the head magnetic-indexing circuit malfunctions ((Optical Sensor or Magnetic Sensor fails)) or the stepper motor is defective (or its driving IC on the main PCB).The TILT-movement is not located in the default position after the reset.

Zoom Er

(Zoom error) This message will appear after the reset of the fixture if the head magnetic-indexing circuit malfunctions (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB). . The Zoom -movement is not located in the default position after the reset.

Focus Er

(Focuswheel error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (Optical Sensor or Magnetic Sensor fails) or the stepper motor is defective (or its driving IC on the main PCB).The Focus -movement is not located in the default position after the reset.

Colour wheel Er

(Colour wheel- error) This message will appear after the reset of the fixture if the head's magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the steppermotor is defective (or its driving IC on the main PCB).The Colour - movement is not located in the default

Rot_Gobo wheel Er
(Rot_Gobo1wheel - error) This message will appear after the reset of the fixture if the head' s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or its driving IC on the main PCB).The Rot_Gobo1 - movement is not located in the default position after the reset.

Fix_Gobo wheel Er
(Fix_Gobowheel - error) This message will appear after the reset of the fixture if the head' s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or its driving IC on the main PCB).The Fix_Gobo - movement is not located in the default position after the reset.

Prism Er
(Prism error) This message will appear after the reset of the fixture if the head' s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or its driving IC on the main PCB).The Prism_5 - movement is not located in the default position after the reset.

Frost Er
(Frost - error) This message will appear after the reset of the fixture if the head' s magnetic-indexing circuit malfunctions (sensor failed or magnet missing) or the stepper motor is defective (or its driving IC on the main PCB).The Frost 1 - movement is not located in the default position after the reset.