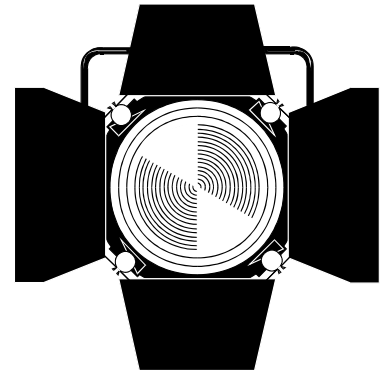
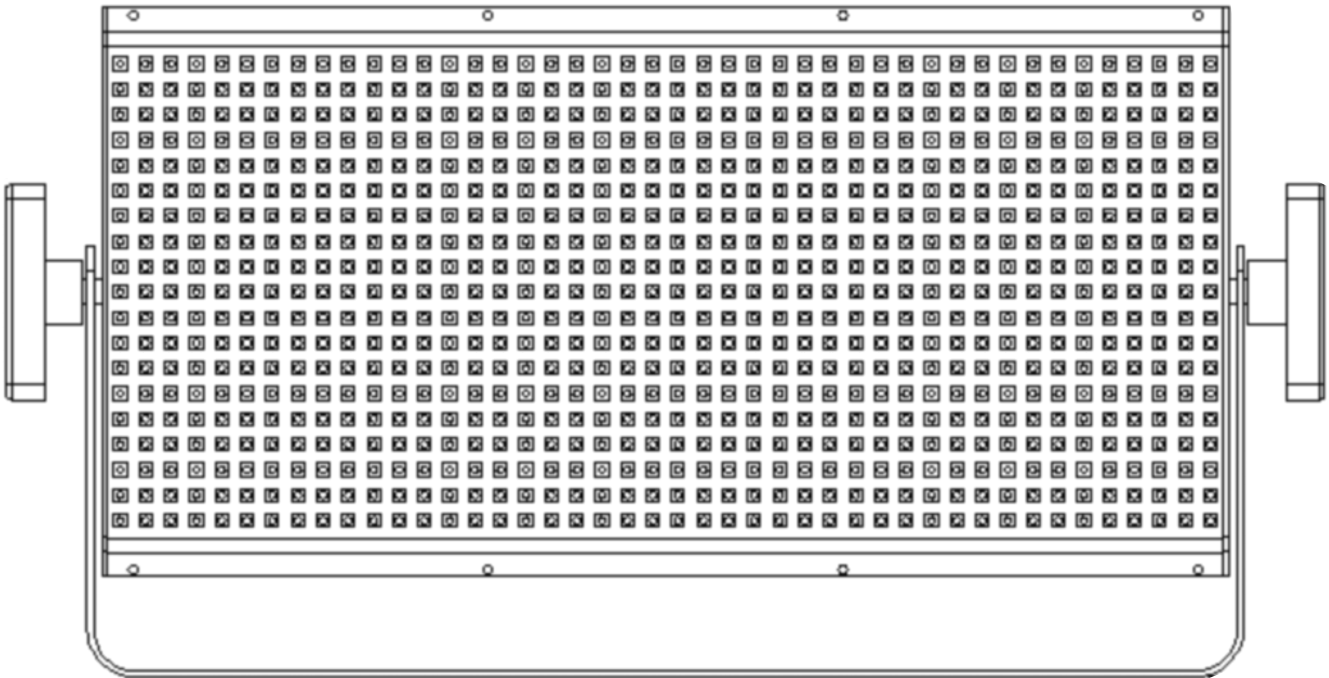


VIKING ***STAGE LIGHTING***



VK ST8be LED STROBE



with quicklock design

USER MANUAL

Rev 2.02 RGB & White Versions

VK ST8be LED Strobe / Panel Light

The VK ST8be is a new sort of LED Strobe Light with a brand new concept in design that enables the unit to be used individually or built into larger modules up to a full LED wall for incredible White Blinding Effects or using the RGB version, a stunning wall of coloured patterns and Strobe effects.

Using the quicklock system of interconnection and no additional parts the panels can be assembled vertically or horizontally to form larger grids of strobe wall or blinders, ie: 9 single units can make a 3x3 unit. When used as a single unit a Trunion arm is provided for hanging and angling whereas when assembled into a wall the supplied half coupler brackets are used to mount the top unit and the Trunion arms are removed to form a neat solid display effect with no gaps

Each unit has 8 individually addressable segments of display for stunning visual patterns, with 51 built in programs for quick easy use and standalone use. The unit can be set to run from DMX or used as a stand alone strobe with operational values set on the LCD rear display

Power is via Powercon in and out and DMX is available on both 3 and 5 pin XLR in and out

The unit is therefore ideal for use not only as a strobe but as a magic LED colour wall or even a colour or white wash light.

Specifications.

Light Source: Super bright LED 0.5w

Total LEDs: 1056pcs, 132 in each segment

Colour Temp White Version:5000K

8 individually controllable segments

Power input: 110V~220V,50Hz~60Hz

Power consumption: 268w

Power in / out on Powercon connectors

DMX on both 3 and 5 pin in / out connectors

Fused with 10a 20mm external fuse

DMX Modes 1/5/8/12 White version

DMX Modes 2/7/16/28 RGB version

Linear smooth dimming 0-100%

Strobe frequency 0-650 ms @ 50 Hz AC

Viewing Angle 95° (White version) 120° (RGB version)

52 Built in Macro Shows

Quick Lock design to build into large displays

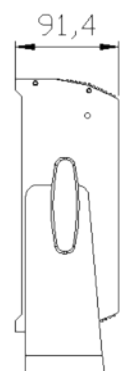
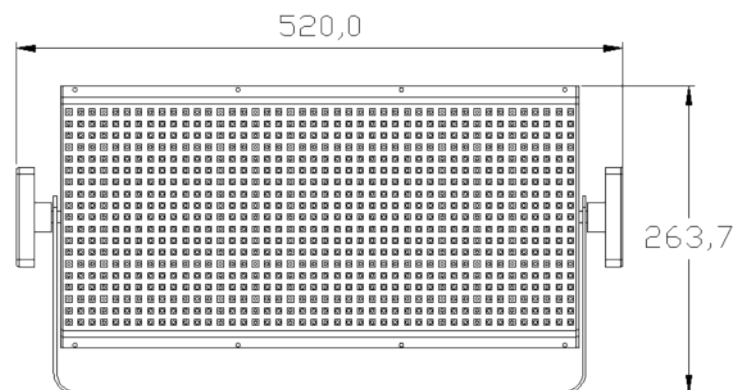
Vertical Hanging by Half/Coupler (multiple locked units)

Angled Hanging by Trunion Arm & Hook Clamp (single unit)

LCD Apha-numeric backlit Panel for light settings

Weight: 4Kg

Size: 225 x 445 x100 mm (H/W/D)



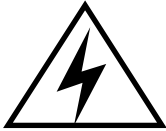
Safety Information



WARNING!

This product is for professional use only! It is not for household use

Strobe lights are known to trigger epileptic seizures in persons who are photosensitive. This product must be installed by a competent person familiar with the construction and operation of the product and the hazards involved. Warning notices that strobe lighting will be used in the performance should be on view at the entrances to the venue



To guard against electric shock

- Do not open: there are no user-serviceable parts inside.
- Always ground (earth) the fixture electrically.
- Use only a source of AC power that complies with local building and electrical codes and has both overload and earth leakage protection.
- Do not expose the fixture to rain or moisture - it is suitable for indoor or covered use only



To guard against UV radiation, burn, and fire.

- Do not stare directly into the light.
- Never attempt to bypass the fuse. Always replace defective fuses with ones of the specified type and rating.
- Verify that the power feed cable is rated for the current draw of all connected fixtures.
- Keep all combustible materials (for example fabric, wood, paper) at least 0.5 meters (20 inches) away from the fixture. Keep flammable materials well away from the fixture.
- Provide a minimum clearance of 0.1 meters (4 inches) around air vents.
- Do not modify the fixture or install other than genuine Viking parts.
- Do not operate the fixture if the ambient air temperature exceeds 40°C (104°F).
- Caution: Exterior surface temperature after 5 min. operation can reach 40°C (104°F)

Preparation for Use

Preparation for Use

Unpacking

- Strobe Light Fixture
- User manual
- DMX cable
- Mains power cable
- Trunion Arm Bracket, 2 Arm Knobs, Half Coupler Bracket & Hex Screws, Safety Eye

The packing material protects the fixture during shipment, please retain for future transportation of the fixture.

AC Power Connection

The auto-ranging power supply automatically adjusts to AC power from 208-240 volts nominal at 50/60 Hz.

The current required by the light is 4 amps. To avoid overload, allow one 4 amp branch circuit per fixture to operate the light model at full power.

Use 2.5 mm² (13 AWG) or larger power feed cables and keep runs as short as possible.

The power cable colour coding is given in the table.

- Connect the brown wire to live
- Connect the blue wire to neutral
- Connect the green/yellow wire to ground (earth)

The device must be grounded / earthed and be able to be isolated from AC power. The AC power supply must incorporate a fuse or circuit breaker for fault protection.

To rig the fixture



Always use a secure means of secondary fixing such as a safety wire

Before installing;

- Verify that the attachment hardware is in good condition and designed to carry at least 10 times the fixture's weight.
- Verify that the structure can support at least 10 times the weight of all installed fixtures, clamps, cables, auxiliary equipment, etc.
- Verify that the clearance around the air vents is at least 0.1 meters (4 in.).
- Loosen the mounting bracket and adjust the fixture to the desired angle.
- Connect and arrange the power and data cables.
- Use a safety bond if 15kg rating or higher and wrap around the Trunion Arm for single units or attach the Safety Eye to Trunion Arm Mounting Hole if building into multiple displays

Controller Operation

This section describes how to operate the light with a DMX controller.

Data Connection

The light provided 3-Pin, 5-pin XLR connectors for data connection. The pin-out on all connectors is pin 1 to shield, pin 2 to cold (-), and pin 3 to hot (+).

There is no connection to pins 4 and 5.

To connect the data link

1. Connect the DMX data output from the controller to the fixture XLR input (male) socket.
2. Connect up to 31 additional fixtures output-to-input.
3. Insert a termination plug in the output of the last fixture on the link.

Data Connection Tips

- Use DMX cable designed for DMX devices: standard microphone cable can be used for short runs of up to 100m over long distance we recommend using true DMX cables and ALWAYS terminate the single on the last unit in the line with a Terminator
- Do not overload the link. Up to 32 devices may be connected on a serial link.
- Terminate the link by installing a termination plug in the output socket of the last fixture. The termination plug, which is a male XLR with a 120 ohm 0.25 watt resistor soldered between pins 2 and 3, absorbs the control signal so it does not reflect and cause interference.

Quicklock installation

- Each Top Units must hang with half coupler clamps on the solid truss or bar.
- On a 240v supply, to 5 units can have the power daisy chained
- On a 120v supply, to 3 units can have the power daisy chained
- Quicklock parts are inside each light, make sure each part is well locked
- Quicklock parts are aluminium, please don't abuse them by over tightening
- Quicklock parts may have lubricant on them, please don't clean
- Make sure all lights are level when screwing up the Quicklock
- Each Quicklock fixing screws into the mating connector - do not overforce screw

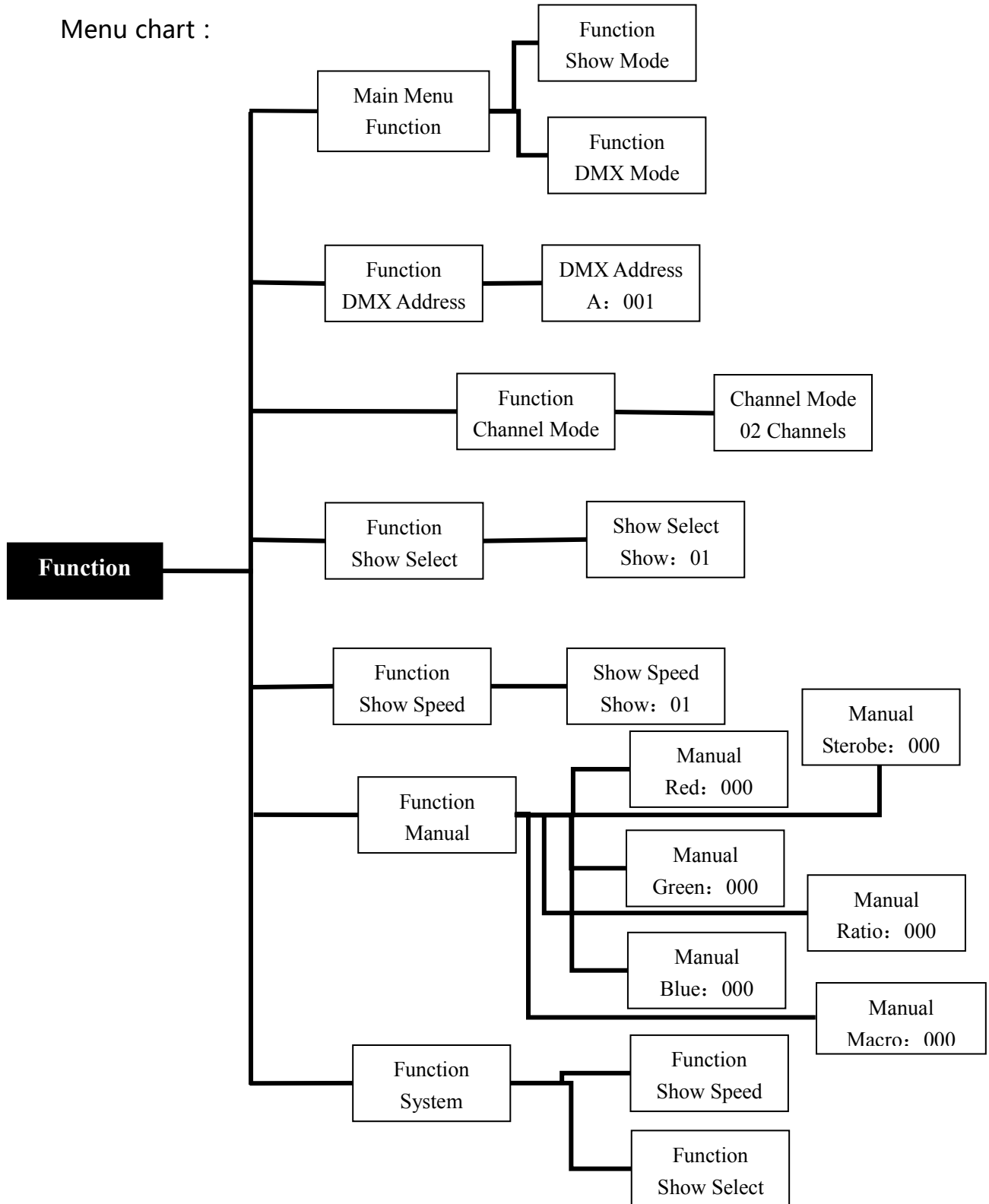


Ask for Quicklock help from from the dealer if needed

Function set - Menu Map

Press MENU button to view the menus, press ENTER button to choose the menu, press UP/DOWN button to view the function, press ENTER button to choose. To go back to main menu, please press MENU button.

Menu chart :



DMX Protocol

RGB version

3 Channel mode

Channel	Function	Value	Percent
1	Master Dimmer	0 -255	0-100
2	RGB and RGB mix	0 -255	0-100
3	Strobe speed 0.5 to 25 times / sec	0 -255	0-100

8 Channel mode

Channel	Function	Value	Percent
1	Master Dimmer	0-255	0-100
2	red	0-255	0-100
3	green	0-255	0-100
4	blue	0-255	0-100
5	Strobe speed 0.5 to 25 times / sec	0-255	0-100
6	Strobe frequency	15-255	0-100
7	Marcos	0-255	0-255
8	Marcos speed	0-255	0-100

17 Channel mode

Channel	Function	Value	Percent
1	Master Dimmer	0-255	0-100
2	Seg 1 and seg 2 Red	0-255	0-100
3	Seg 1 and seg 2 Green	0-255	0-100
4	Seg 1 and seg 2 Blue	0-255	0-100
5	Seg 3 and seg 4 Red	0-255	0-100
6	Seg 3 and seg 4 Green	0-255	0-100
7	Seg 3 and seg 4 Blue	0-255	0-100
8	Seg 5 and seg 6 Red	0-255	0-100
9	Seg 5 and seg 6 Green	0-255	0-100
10	Seg 5 and seg 6 Blue	0-255	0-100
11	Seg 7 and seg 8 Red	0-255	0-100
12	Seg 7 and seg 8 Green	0-255	0-100
13	Seg 7 and seg 8 Blue	0-255	0-100
14	Strobe speed 0.5 to 25 times / sec	0-255	0-100
15	Strobe frequency	15-255	0-100
16	Marcos	0-255	0-255
17	Marcos speed	0-255	0-100

29 Channel mode

Channel	Function	Value	Percent
1	Master Dimmer	0-255	0-100
2	Segment 1 Red	0-255	0-100
3	Segment 1 Green	0-255	0-100
4	Segment 1 Blue	0-255	0-100
5	Segment 2 Red	0-255	0-100
6	Segment 2 Green	0-255	0-100
7	Segment 2 Blue	0-255	0-100
8	Segment 3 Red	0-255	0-100
9	Segment 3 Green	0-255	0-100
10	Segment 3 Blue	0-255	0-100
11	Segment 4 Red	0-255	0-100
12	Segment 4 Green	0-255	0-100
13	Segment 4 Blue	0-255	0-100
14--25	Seg 5 Red- -Seg 8 Blue	0-255	0-100
26	Strobe speed 0.5 to 25 times / sec	0-255	0-100
27	Strobe frequency	15-255	0-100
28	Marcos	0-255	0-255
29	Marcos speed	0-255	0-100

DMX Protocol

White version

1 Channel mode

Channel	Function	Value	Percent
1	General dimmer	0-05	0-100
	Strobe speed 0.5 times / sec-25 times / sec	06-255	0-100
	Marcos	201-255	0-xxx

5 Channel mode

Channel	Function	Value	Percent
1	General dimming	0-255	0-100
2	Strobe speed 0.5 times / sec-25 times / sec	0-255	0-100
3	Strobe frequency	15-255	0-100
4	Marcos	0-255	0-100
5	Marcos speed	0-255	0-100

8 Channel mode

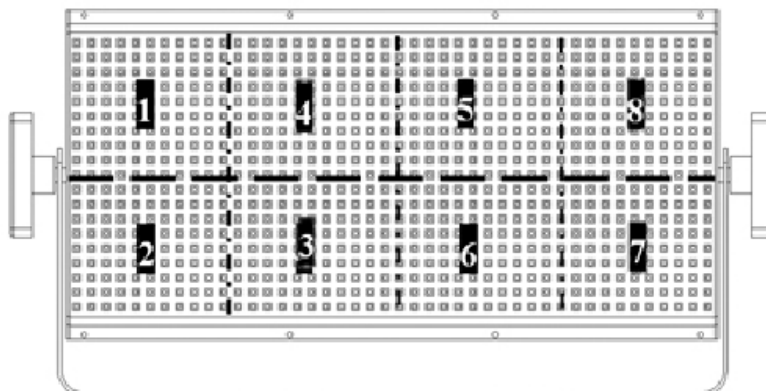
Channel	Function	Value	Percent
1	Seg 1 and seg 2 dimmer	0-255	0-100
2	Seg 3 and seg 4 dimmer	0-255	0-100
3	Seg 5 and seg 6 dimmer	0-255	0-100
4	Seg 7 and seg 8 dimmer	0-255	0-100
5	Strobe speed 0.5 times / sec-25 times / sec	0-255	0-100
6	Strobe frequency	15-255	0-100
7	Marcos	0-255	0-100
8	Marco speed	0-255	0-100

12 Channel mode

Channel	Function	Value	Percent
1	Segment 1 dimmer	0-255	0-100
2	Segment 2 dimmer	0-255	0-100
3	Segment 3 dimmer	0-255	0-100
4	Segment 4 dimmer	0-255	0-100
5	Segment 5 dimmer	0-255	0-100
6	Segment 6 dimmer	0-255	0-100
7	Segment 7 dimmer	0-255	0-100
8	Segment 8 dimmer	0-255	0-100
9	Strobe speed 0.5 times / sec-25 times / sec	0-255	0-100
10	Strobe frequency	15-255	0-100
11	Marcos	0-255	0-xxx
12	Marcos speed	0-255	0-100

Segments

All versions



Specifications subject to change without notice