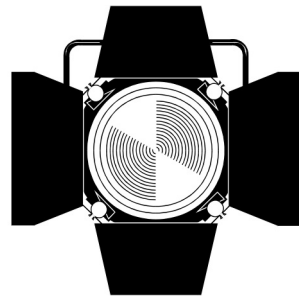
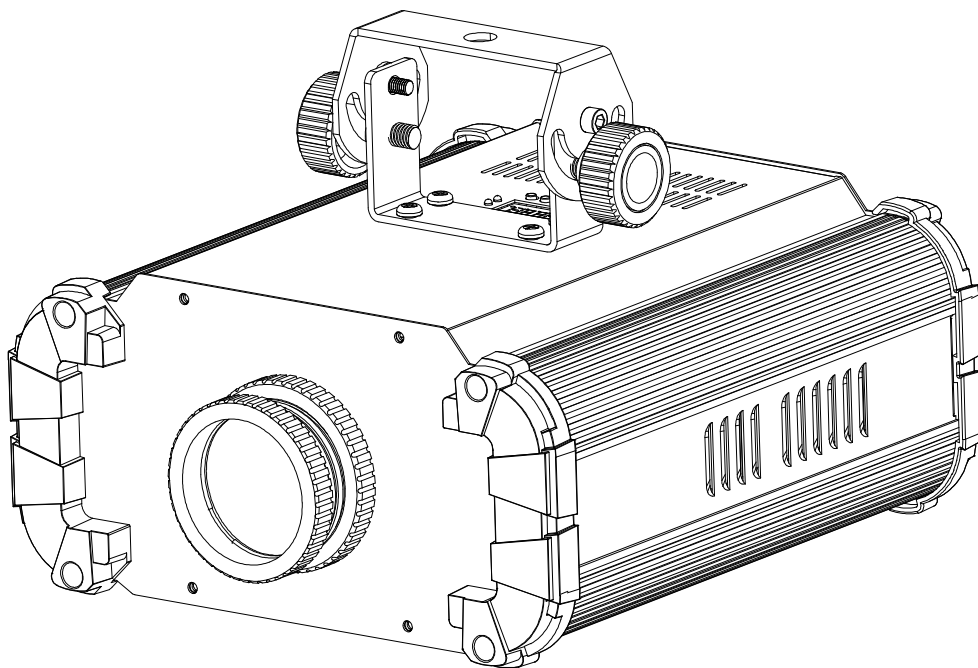


VIKING

STAGE LIGHTING



VK100 Abyss LED



Abyss LED 100w DMX

User

Manual M126

Please read the instruction carefully before use

Please note: On applying the power this unit will take a few seconds for the display to illuminate – after which it will Display ‘UAu’ on the display while it prepares the unit for use. Please be patient.

There are NO user serviceable parts inside this unit. It SHOULD NOT be disassembled by the user under any condition.

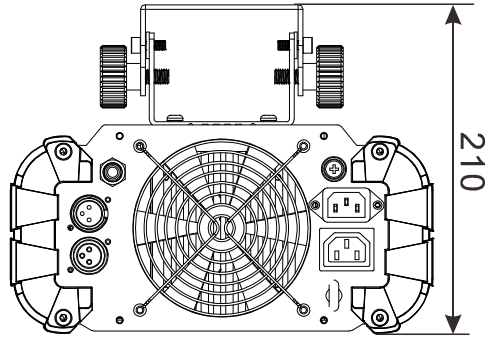
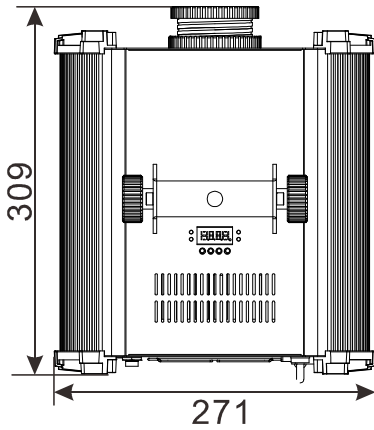
The unit should be mounted via its top mounted M10 bracket and standard hook clamp. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the fixtures weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be installed by professionals. It must be installed in a place where is out of the reach of people and no one can pass by or under it.

2. Technical Specification

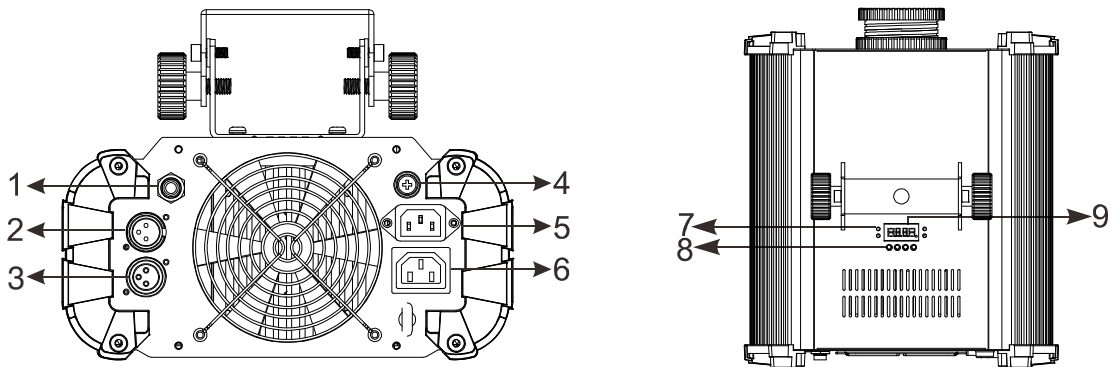
- ◇ The VK100 Abyss LED is a 100w LED Water wave effect, suitable for big clubs, stages, and events
- ◇ Different working modes:
 - Standalone: no DMX-controller needed
 - Master/Slave: great synchronized shows, no DMX-controller required
 - DMX:3 channels (dimmer, speed, color)
- ◇ Color wheel with 5 colors plus open
- ◇ Beam Angle: 44°
- ◇ LED display for easy navigation
- ◇ **Input Voltage:** AC 100V~240V, 50/60Hz

- ◇ **Power Consumption:** 105W
- ◇ **Light Source:** 1 x 100W cold white LED
- ◇ **Weight:** 6.2Kgs
- ◇ **Dimension:** 309 x 271 x 210 mm



3. How To Set The Unit

3.1 Control Panel



1. Only for remote control:

This is not supplied with the DMX version of this product.

2. DMX IN:

DMX512 link, use 3-pin XLR cable to link the unit and the DMX controller

3. DMX OUT:

DMX512 link, use 3-pin XLR cable to link the next unit and output DMX signal.

4. Fuse (T 3.15A):

Protects the unit from over-voltage or short circuit.

5. MAINS IN:

IEC Connection from main power supply;

this unit MUST NOT be used on a dimmer circuit.

6. MAINS OUT:

IEC Connection for main power supply to the next unit.

7. LEDs:

DMX	On	DMX input present
MASTER	On	Master Mode
SLAVE	On	Slave Mode
SOUND	Flashing	Sound activation

8. Buttons:

MENU	To select the programming functions
▼ DOWN	To go backward in the selected functions
▲ UP	To go forward in the selected functions
ENTER	To confirm the selected functions

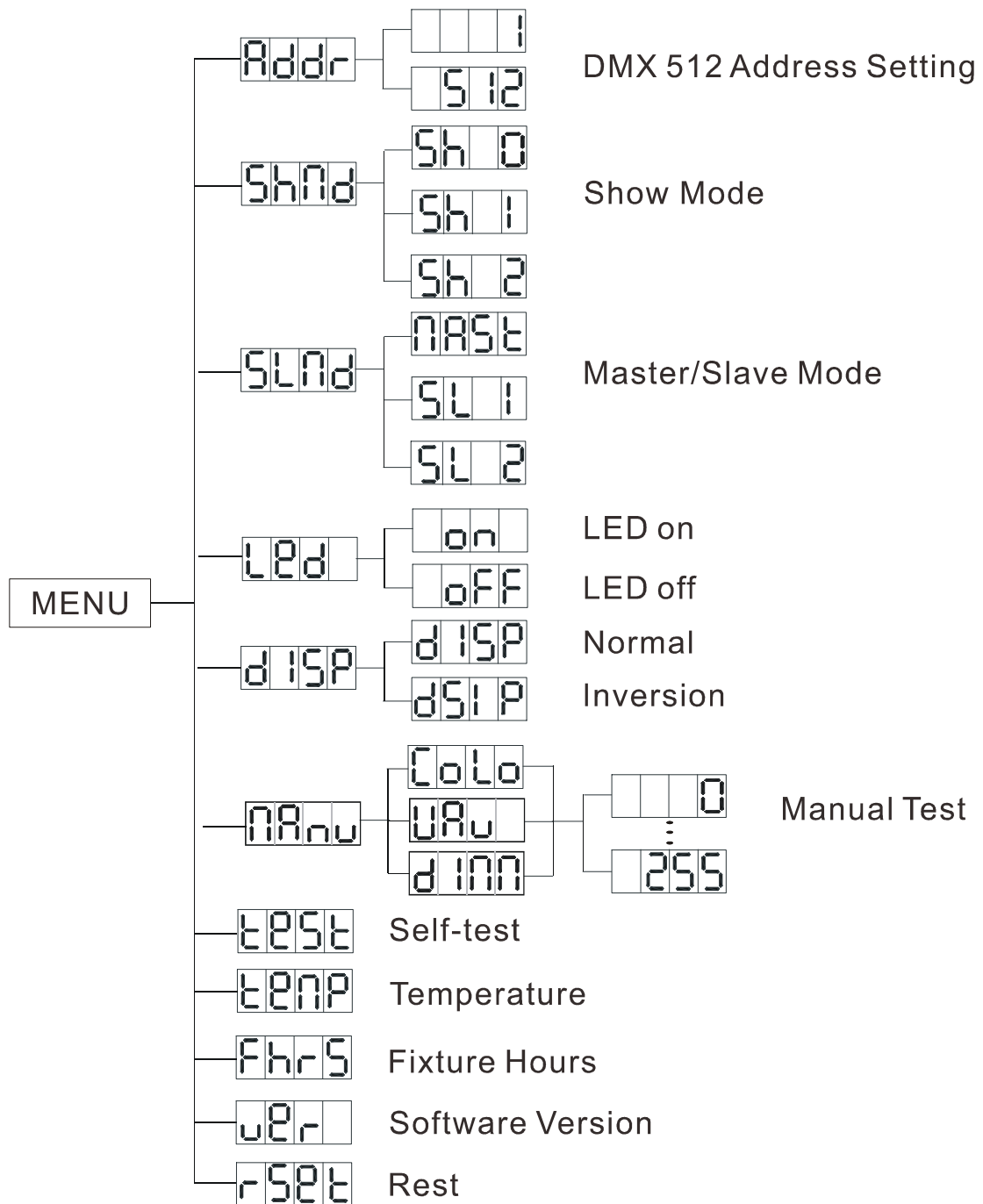
9. Function Display:

To show the various menus and the selected functions;

3.3 Main Function

To select any of the given functions, press the **MENU** button up to when the required selection as shown on the display. Select the function by the **ENTER** button and the display will blink. Use the **DOWN/UP** button to change the mode. Once the required mode has been selected, press the **ENTER** button to setup, to go back to the functions without any change press the **MENU** button again. Press and hold the **MENU** button for about one second or wait for one minute to exit the menu mode.

The main functions are shown below:







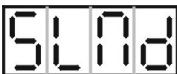
Addr DMX 512 Address Setting

Press the MENU button up to when the **Addr** is shown on the display. Pressing ENTER button and the display will blink. Use DOWN and UP button to change the DMX 512 address. Once the address has been selected, press ENTER button to setup or automatically exit menu mode without any change after one minute. Back to the previous functions without any change press MENU button.





The image shows a 4-digit 7-segment display with the characters 'S', 'H', 'O', and 'd' in a monospace font.

Show Mode

Press the MENU button up to when the  is showing on the display. Pressing ENTER button and the display will blink. Use DOWN and UP button to select the  (Random show),  (show 1) or  (show 2). Once the mode has been selected, press the ENTER button to setup or automatically return to the main functions without any change after one minute. To go back to the functions without any change press the MENU button again.




The image shows a 4-digit 7-segment display with the characters 'S', 'L', 'N', and 'd' in a monospace font.

Slave Mode

Press the MENU button up to when the  is showing on the display. Pressing ENTER button and the display will blink. Use DOWN and UP button to select the  (set the fixture as master),  (set the fixture as slave 1) or  (set the fixture as slave 2). Once the mode has been selected, press the ENTER button to setup or automatically return to the main functions without any change after one minute. To go back to the functions without any change press the MENU button again.




The image shows a 4-digit 7-segment display with the characters 'd', 'i', 'S', and 'P' in a monospace font.

Display Inverse

Press MENU button until  is blinking on the display. Use DOWN and UP button to select  (display normal) or  (display inverse), press ENTER button to setup.





The image shows a 4-digit 7-segment display with the characters 'L', 'E', 'd', and a blank space in a monospace font.

LED display


Press the MENU button up to when the  is shown on the display. Pressing ENTER button and the display will blink. Use DOWN and UP button to select  (display always on) or  (display off 20 seconds after exit menu) mode. Once select, press ENTER button to setup or exit menu mode without any change after one minute. Back to the functions without any change press MENU button again.

The image shows a 4-digit 7-segment display with the characters 'M', 'A', 'N', and 'U' in a monospace font.

Manual setting color


Press the MENU button up to when the  is shown on the display. Pressing ENTER button, and use DOWN and UP button to select  (0-255) or  (000-2555,clockwise/counterclockwise) , or  (000-255),press ENTER button to confirm and use DOWN and UP button to adjust the value, once select press ENTER button to setup or automatically exit menu mode without any change after one minute. To go back to the last function without any change press the MENU button.

 Self-test


Press the MENU button up to when the  is shown on the display, Pressing ENTER button to run the auto test. Back to the functions without any change press MENU button.

Back to the functions without any change press MENU button.


 Temperature Test

Press the MENU button up to when the  is blinking on the display. Pressing ENTER button and the display will show the temperature of the unit. To go back to the functions press the MENU button again.


 Fixture Hours

Press the MENU button up to when the  is blinking on the display. Pressing ENTER button and the display will show the number of working hours of the unit. To go back to the functions press the MENU button.

 Software version

Press the MENU button up to when the  is showing on the display. Pressing ENTER button and the display will show the version of software of the unit. To go back to the functions press the MENU button again.

 Factory reset all channels

Press the MENU button up to when the  is shown on the display, press ENTER button to

setup. Back to the functions without any change press MENU button.

4. How To Control The Unit

You can operate the unit in 3 ways:

1. By master/slave function
2. By Standalone using the Display and buttons on the unit
3. By DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be effected at once. Every time you turn the unit on, it will show “CP21” on the display and move all the motors to their ‘home’ position. After that the unit will be ready to receive DMX signal or run the built in programs.

4.1 Master/Slave Built In Preprogrammed Function

The fixture will allow you to link 2 fixtures together and operate without a controller. In Master/Slave mode, the first fixture whose DMX input jack has with nothing connect need to set as master and the other unit need to set as slave 1 via menu, then the first unit will control the other to give an automatic and synchronized light show. This function is good when you want an instant show. Any fixture can act as a Master or as a Slave.

4.4 DMX 512 Configuration

3 Channel Mode:

CHANNEL	VALUE	FUNCTIONS
1	000 ~ 255	DIMMER 0 → 100%
2	000 ~ 009 010 ~ 120 121 ~ 134 135 ~ 245 246 ~ 255	Diamond Ripple Wheel Stop CW Rotation: fast → slow Stop CCW Rotation: slow → fast Stop

3	000 ~ 010 011 ~ 021 022 ~ 032 033 ~ 043 044 ~ 054 055 ~ 065 066 ~ 076 077 ~ 087 088 ~ 098 099 ~ 109 110 ~ 120 121 ~ 127 128 ~ 187 188 ~ 196 197 ~ 255	<p>Color Wheel</p> Open Open → Amber Amber Amber → Green Green Green → Blue Blue Blue → Yellow Yellow Yellow → Pink Pink Pink → Open <p>Continuous Rotation</p> CW Rotation: fast → slow Stop CCW Rotation: slow → fast
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