

Important Notes

The unit corresponds to all relevant directives of the EU and is therefore marked with CE.

WARNING The unit uses dangerous mains voltage. Leave servicing to skilled personnel and do not insert anything into the air vents; inexpert handling may result in electric shock.



To prevent damage to your eyes, never look directly into the light source for any length of time.

Please note that fast changes in lighting may trigger epileptic seizures with photosensitive persons or persons with epilepsy!



Install the unit safely and expertly. If it is installed at a place where people may walk or sit under, it must additionally be secured (e.g. by a safety rope; fix the safety rope so that the maximum falling distance of the unit will not exceed 20cm).

- The unit is suitable for indoor use only. Protect it against dripping water, splash water and high air humidity. The admissible ambient temperature range is 0–40°C.

- The heat generated inside the unit must be dissipated by air circulation; never cover the air vents of the housing.

- Immediately disconnect the mains plug from the socket

1. if the unit or the mains cable is visibly damaged,

2. if a defect might have occurred after the unit was dropped or suffered a similar accident,

3. if malfunctions occur.

In any case the unit must be repaired by skilled personnel.

- Never pull the mains cable to disconnect the mains plug from the socket, always seize the plug.

- When transporting the unit, always seize its lower part. Never carry the unit by its moving head or rotary arm.

- No guarantee claims for the unit and no liability for any resulting personal damage or material damage will be accepted if the unit is used for other purposes than originally intended, if it is not safely installed or not correctly connected or operated, or if it is not repaired in an expert way.



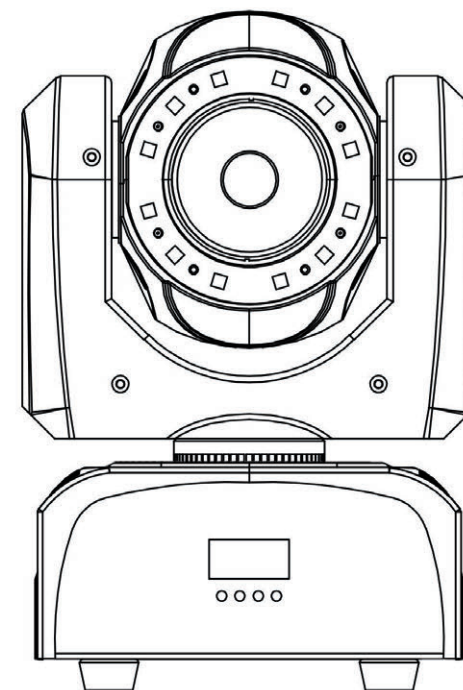
If the unit is to be put out of operation definitively, take it to a local recycling plant for a disposal which is not harmful to the environment.



LEUCHTKRAFT

USER MANUAL

TWIST-40LED



Introduction

Unpacking: Thank you for purchasing the TWIST-40LED moving head wash, every fixture has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact the manufacturer or your dealer for further instructions. Do not return this unit to your dealer without first contacting.

Warning! To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself; doing so will void your manufactures warranty. In the unlikely event your unit may require service please contact the manufacturer or your dealer.

Features:

- ◇ Extremely small, fast and powerful LED moving beam.
- ◇ DMX Channels: 16/21 CH
- ◇ Pan: 540°; Tilt: 210°
- ◇ Electronic strobe with pulse and random effects
- ◇ High efficiency, low power consumption
- ◇ Super compact, low weight
- ◇ Beam angle: 8°

Voltage: 100V~240V, 50/60Hz

Light source: 40W RGBW LED with 5050 SMD 3-in-1

Power: 80W

Dimension: 290*210*270mm

Net Weight: 4.0 kg

Power Supply: Before plugging your unit in, be sure the source voltage in your area matches the required voltage for your fixture, the model is workable in 100-240V/50~60Hz. Please make sure your unit voltage matches the wall outlet voltage before attempting to operate you fixture.

DMX Linking: To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

LED display menu:

DMX address	DMX Address (1-512)
Channel mode	16/21 CH
Slave mode	Master mode
	Slave 1
	Slave 2
Show model	Show 1—4
Auto model	Auto 1—4(speed 0—9)
Sound model	On/off
Sound sense	0-100 from slow to fast
LED Screen	Screen LED lighting YES/NO
Display	Forward/ Backward
Pan Inversion	YES/NO
Tilt	YES/NO
Test	testing
Hour	Fixture work hours 0—9999
Software version	Ver
Reset	

DMX MODE:**16CH MODE:**

Channel	DMX Value	Function
1	000-255	Pan 0°~ 540°
2	000-255	Tilt 0°~ 210°
3	000-255	Pan&Tilt Speed from fast to slow
4	000-255	LED Dimmer0%~ 100%
5	000-008	No function
	009-255	LED Strobe slow to fast
6	000-255	RED LED Dimmer0%~ 100%
7	000-255	Green LED Dimmer0%~ 100%
8	000-255	Blue LED Dimmer0%~ 100%
9	000-255	White LED Dimmer0%~ 100%
10	000-255	5050 SMD Dimmer0%~ 100%
11	000-008	No function
	009-255	5050 SMD Strobe slow to fast
12	000-010	No Function
	011-044	5050 SMD section 1 Red
	045-079	5050 SMD section 1 Green
	080-114	5050 SMD section 1 Blue
	115-149	5050 SMD section 1 Red mix Green
	150-184	5050 SMD section 1 Red mix Blue
	185-219	5050 SMD section 1 Green mix Blue
	220-255	5050 SMD section 1 RGB
13	000-010	No Function
	011-044	5050 SMD section 2 Red
	045-079	5050 SMD section 2 Green
	080-114	5050 SMD section 2 Blue
	115-149	5050 SMD section 2 Red mix Green
	150-184	5050 SMD section 2 Red mix Blue
	185-219	5050 SMD section 2 Green mix Blue
	220-255	5050 SMD section 2 RGB
14	000-010	No Function
	011-044	5050 SMD section 3 Red
	045-079	5050 SMD section 3 Green
	080-114	5050 SMD section 3 Blue
	115-149	5050 SMD section 3 Red mix Green

	150-184	5050 SMD section 3 Red mix Blue
	185-219	5050 SMD section 3 Green mix Blue
	220-255	5050 SMD section 3 RGB
15	000-010	No Function
	011-044	5050 SMD section 4 Red
	045-079	5050 SMD section 4 Green
	080-114	5050 SMD section 4 Blue
	115-149	5050 SMD section 4 Red mix Green
	150-184	5050 SMD section 4 Red mix Blue
	185-219	5050 SMD section 4 Green mix Blue
	220-255	5050 SMD section 4 RGB
16	000-199	No function
	200-209	Reset
	210-239	No function
	240-255	Sound Active

21CH MODE:

Channel	DMX Value	Function
1	000-255	Pan 0°~ 540°
2	000-255	Pan Fine
3	000-255	Tilt 0°~ 210°
4	000-255	Tilt Fine
5	000-255	Pan&Tilt Speed from fast to slow
6	000-255	LED Dimmer0%~ 100%
7	000-008	No function
	009-255	LED Strobe slow to fast
8	000-255	RED LED Dimmer0%~ 100%
9	000-255	Green LED Dimmer0%~ 100%
10	000-255	Blue LED Dimmer0%~ 100%
11	000-255	White LED Dimmer0%~ 100%
12	000-255	5050 SMD Dimmer0%~ 100%
13	000-008	No function
	009-255	5050 SMD Strobe slow to fast
14	000-255	5050 SMD RED Dimmer0%~ 100%
15	000-255	5050 SMD Green Dimmer0%~ 100%
16	000-255	5050 SMD Blue Dimmer0%~ 100%

17	000-010	No Function
	011-044	5050 SMD section 1 Red
	045-079	5050 SMD section 1 Green
	080-114	5050 SMD section 1 Blue
	115-149	5050 SMD section 1 Red mix Green
	150-184	5050 SMD section 1 Red mix Blue
	185-219	5050 SMD section 1 Green mix Blue
	220-255	5050 SMD section 1 RGB
18	000-010	No Function
	011-044	5050 SMD section 2 Red
	045-079	5050 SMD section 2 Green
	080-114	5050 SMD section 2 Blue
	115-149	5050 SMD section 2 Red mix Green
	150-184	5050 SMD section 2 Red mix Blue
	185-219	5050 SMD section 2 Green mix Blue
	220-255	5050 SMD section 2 RGB
19	000-010	No Function
	011-044	5050 SMD section 3 Red
	045-079	5050 SMD section 3 Green
	080-114	5050 SMD section 3 Blue
	115-149	5050 SMD section 3 Red mix Green
	150-184	5050 SMD section 3 Red mix Blue
	185-219	5050 SMD section 3 Green mix Blue
	220-255	5050 SMD section 3 RGB
20	000-010	No Function
	011-044	5050 SMD section 4 Red
	045-079	5050 SMD section 4 Green
	080-114	5050 SMD section 4 Blue
	115-149	5050 SMD section 4 Red mix Green
	150-184	5050 SMD section 4 Red mix Blue
	185-219	5050 SMD section 4 Green mix Blue
	220-255	5050 SMD section 4 RGB
21	000-199	No function
	200-209	Reset
	210-239	No function
	240-255	Sound Active

Temperature

Press the ENTER button to when the Temperature test is blink on the display. Pressing Enter button and the display will show the temperature of the unit. To go back to the functions without any change press the MENU button again. Hold and press the MENU button about one second or wait for one minute to exit the menu mode.

Pro defaults

Press the MENU button to show PRO Defaults on the display. Use the DOWN and UP button to select the YES (run built-in program to set the fixture to Pro defaults settings) or No., Press the ENTER button to setup. To go back to the functions without any change press the MENU button again. Hold and press the MENU button about one second or wait for one minute to exit the menu mode.

How to control the unit

You can operate the unit in three ways.

1. Master/slave built-in preprogram function
2. Easy controller
3. Universal DMX controller

No need to turn the unit off when you change the DMX address, as new DMX address setting will be effect at once. Every time you turn the unit on. It will show TWIST-40LED on the display and move the motors to their position and you may hear some noises for about 20 seconds. After that the unit will be ready to receive DMX signal or run the built in programs.

Sound sense

Select **Sound sense**, press the **enter** button to confirm, present mode will blink On the display use the **down** and **up** button to change the sound sense from 0-100. Once the mode has been selected, press the **ENTER** button to setup, to go back to the functions without any change the MENU button again. Hold and press the MENU button about one second or wait for one minute to exit the menu mode.

Pan Reverse

With this function you can reverse the Pan-movement.

Tilt Reverse

With this function you can reverse the Tilt-movement.