

User Manual

iKolor K5 Matrix Light



Check that the unit has not been damaged during transport



Read all cautions and warnings
prior to operation of this
equipment

Protection against Fire



Fire

1. Maintain a minimum of 1 50cm distance from any type of flame
2. Replace fuse only with the specified type and rating
3. Do not install the unit to close a heat source
4. Make sure cable are properly secured away from unit movement
5. Maximum surface operating temperature 80°

Protection Against Electrical



Electrical

1. Disconnect power before servicing
2. The unit must be earthed (electronically grounded)

Protection against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical short

Specification

Power Consumption: 100W

Light source: 15W RGBW LED X5pcs or

20W RGBWA LED X 5pcs

Lifetime: 60,000hours

Input Voltage: 90-240V/50-60Hz

Dimmer: 0-100% linear dimming

Flicker-free; 4kHz fresh rate

Display: LCD display

DMX Channel: 6CH/7CH/21CH/30CH for 4in1 option

6CH/8CH/26CH/35CH for 5in1 option

Power&DMX Connector: Hard-wired cables

Control Mode: DMX512 Control; Stand-Alone Mode; Master/Slave; Sound Control; RDM

IP Rating: IP65

Dimension: 650(L)X160(W)X180(H)mm

Net Weight: 5.4kgs

Dimension



Main Power Connection

Caution!

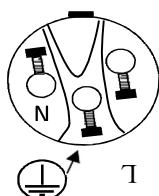
1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (Electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

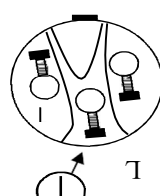
This fixture is equipped with an electronic power supply that will let the unit operate from 90V to 240V from 50Hz to 60Hz

Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	N
Green	Yellow/Green	Ground		

110V
Connection



220V
Connection



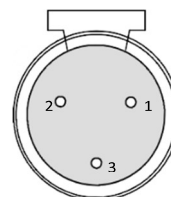
DMX-512 Connection

The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

DMX—input

1. Shield
2. Signal (-)
3. Signal (+)

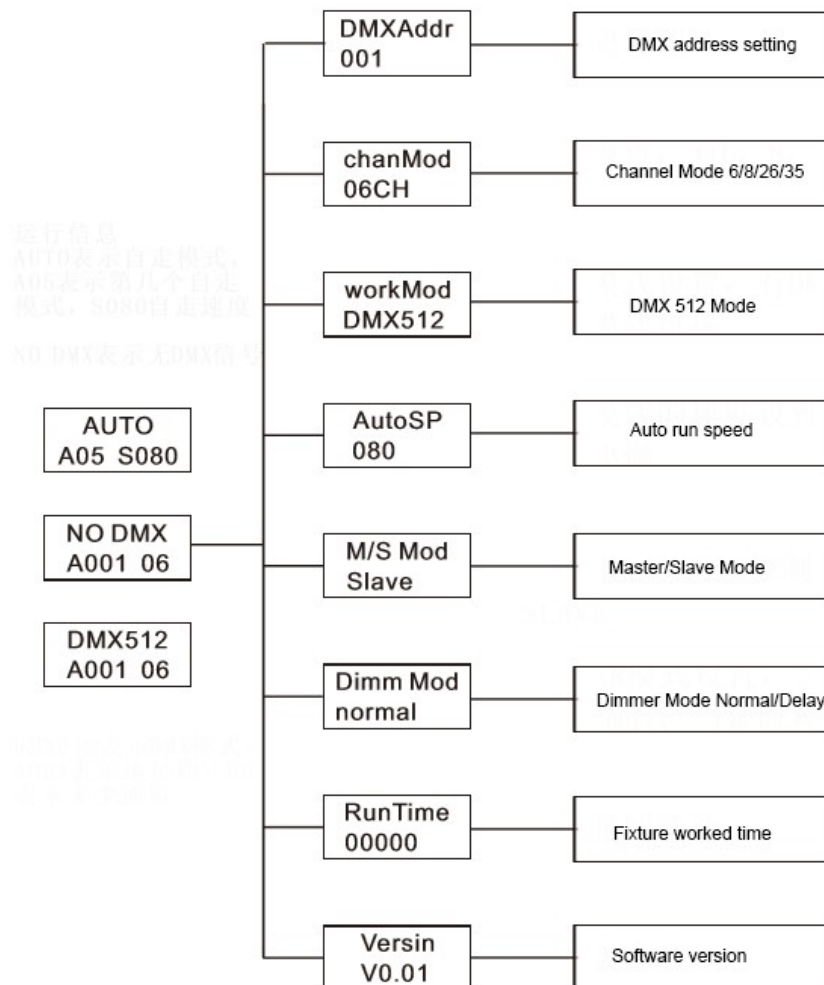
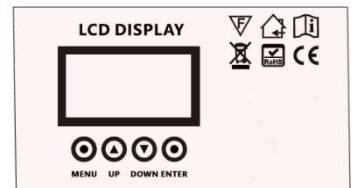
DMX—output



Menu Map

Main Control Menu

The control board on the fixture base is your Interface to access and control all the functions on the unit. Its LCD screen display gives you a code view of the options and functions.



DMX Profile

6 Channels			
Channel	Description	Value	Function
1	LED1 Color	000-255	Dimmer 0-100%
2	LED2 Color	000-255	Dimmer 0-100% Green
3	LED3 Color	000-255	Dimmer 0-100% Blue
4	LED4 Color	000-255	Dimmer 0-100% White
5	LED5 Color	000-255	Dimmer 0-100% Red+Green
6	Macro	000-017	Red
		018-034	Green
		035-051	Blue
		052-068	White
		069-085	Red+Green
		086-102	Red+Blue
		103-119	Red+White
		120-136	Green+Blue
		137-153	Green+White
		171-187	Blue+White
		188-204	Red+Green+Blue
		205-221	Red+Green+White
		222-238	Red+Blue+White
		239-255	Red+Green+Blue+White

8 Channels			
Channel	Description	Value	Function
1	Dimmer	000-255	0-100%
2	LED Color	000-255	Red
3	LED Color	000-255	Green
4	LED Color	000-255	Blue
5	LED Color	000-255	White
6	LED Color	000-255	Amber

7	Strobe	000-255	Slow to Fast
	Macro	000-007	No Effect
		008-013	Color 1
		014-019	Color 2
		020-025	Color 3
		026-030	Color 4
		031-036	Color 5
		037-042	Color 6
		043-048	Color 7
		049-053	Color 8
		054-059	Color 9
		060-065	Color 10
		066-071	Color 11
		072-076	Color 12
		077-082	Color 13
		083-088	Color 14
		089-094	Color 15
		095-099	Color 16
		100-105	Color 17
		106-111	Color 18
		112-117	Color 19
		118-122	Color 20
		123-128	Color 21
		129-134	Color 22
		135-140	Color 23
		141-145	Color 24
		146-151	Color 25
		152-157	Color 26
		158-163	Color 27
		164-168	Color 28
		169-174	Color 29
		175-180	Color 30
		181-186	Color 31
		187-191	Color 32
		192-255	No Effect

26 Channels			
Channel	Description	Value	Function
1	Dimmer	000-255	0-100%
2	LED1 Color	000-255	Red
3	LED1 Color	000-255	Green
4	LED1 Color	000-255	Blue
5	LED1 Color	000-255	White
6	LED1 Color	000-255	Amber
7	LED2 Color	000-255	Red
8	LED2 Color	000-255	Green
9	LED2 Color	000-255	Blue
10	LED2 Color	000-255	White
11	LED2 Color	000-255	Amber
12	LED3 Color	000-255	Red
13	LED3 Color	000-255	Green
14	LED3 Color	000-255	Blue
15	LED3 Color	000-255	White
16	LED3 Color	000-255	Amber
17	LED4 Color	000-255	Red
18	LED4 Color	000-255	Green
19	LED4 Color	000-255	Blue
20	LED4 Color	000-255	White
21	LED4 Color	000-255	Amber
22	LED5 Color	000-255	Red
23	LED5 Color	000-255	Green
24	LED5 Color	000-255	Blue
25	LED5 Color	000-255	White
26	LED5 Color	000-255	Amber

35 Channels			
Channel	Description	Value	Function
1	LED1 Dimmer	000-255	0-100%
2	LED1 Color	000-255	Red
3	LED1 Color	000-255	Green
4	LED1 Color	000-255	Blue
5	LED1 Color	000-255	White
6	LED1 Color	000-255	Amber
7	LED1 Strobe	000-255	Slow to Fast
8	LED2 Dimmer	000-255	0-100%
9	LED2 Color	000-255	Red
10	LED2 Color	000-255	Green
11	LED2 Color	000-255	Blue
12	LED2 Color	000-255	White
13	LED2 Color	000-255	Amber
14	LED2 Strobe	000-255	Slow to Fast
15	LED3 Dimmer	000-255	0-100%
16	LED3 Color	000-255	Red
17	LED3 Color	000-255	Green
18	LED3 Color	000-255	Blue
19	LED3 Color	000-255	White
20	LED3 Color	000-255	Amber
21	LED3 Strobe	000-255	Slow to Fast
22	LED4 Dimmer	000-255	0-100%
23	LED4 Color	000-255	Red
24	LED4 Color	000-255	Green
25	LED4 Color	000-255	Blue
26	LED4 Color	000-255	White
27	LED4 Color	000-255	Amber
28	LED4 Strobe	000-255	Slow to Fast
29	LED5 Dimmer	000-255	0-100%
30	LED5 Color	000-255	Red
31	LED5 Color	000-255	Green
32	LED5 Color	000-255	Blue

33	LED5 Color	000-255	White
34	LED5 Color	000-255	Amber
35	LED 5 Strobe		Slow to Fast

Cleaning!

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

1. Use normal glass cleaner and a soft cloth to wipe off the outside casing.
 2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
 3. Always be sure to dry all parts completely before plugging the unit back in.
- Cleaning frequency depends on the environment in which the unit operates (i.e. smoke, fog residue, dust, dew).

Unit not responding to DMX:

Check that the DMX cables are connected properly and are wired correctly (pin 3 is “hot”; on some other DMX devices pin 5 may be “hot”). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.