Note:

Based on our company continue to improve the product, the statement containing data may have changed, and will not notice the change any more. Company retains its right to change specifications related when product is improved. Thanks for your understanding.
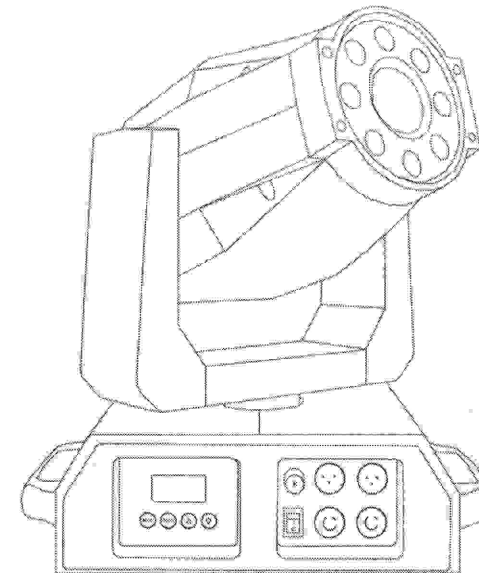
USER MANUAL
BM-MH-LED222spot 222W(150W+72W)
(LED 150W Spot and Wash Mixing Moving Head)

This manual contains important information.
Please read before operating fixture.

CE

light
BIG
DESIGN BY GERMANY

unit and lighting accessories inside.

- Rated voltage range: AC110V-120V/60Hz or AC200V-240V / 50HZ (to be selected).
- The unit should not be placed near flammable materials and should maintain at least 1M distances from its projection area.
- The moving head should only be used in ambient temperature: -15c > 40c, the highest temperature of the surface of the lamp: 60c.
- To keep away from the liquid substance and humid environment.
- Before using the moving head please ensure a good earth is fitted.
- The installation of the moving heads, you must check fixing screw fasteners with additional security cable and a regular inspection done.
- LED consecutive working hours is not recommended for more than 10 hours per time.
- Moving head should not be used in time when unusual conditions are in play.
- Moving head should be regular inspected of the rotation, external accessories and paste parts, in a timely manner to prevent accident or damage to the unit or persons.
- Moving head fans should be checked weekly as it is easy to accumulate the dust, so weekly cleaning of especially the cooling air opening and fans, otherwise unit my over heat and cause damage.
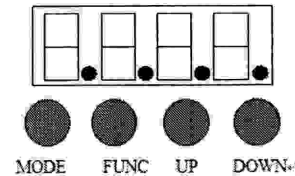
2 TECHNOLOGY REFERENCE

1. Voltage：AC220V/50Hz
2. Power consumptions：320W
3. Profile LED Source: Ultra bright 90W LED
4. Wash LED Source: 8x9w tricolor LED
5. Product size: 33×40×53.5cm； Package size: 45x40x50cm
6. N.W:15Kg; G.W: 17Kg

3 FUNCTIONS INTRODUCTION

1. International universal control signal: DMX512
2. 34/31/16 DMX channels
3. Digital display
4. DMX, Sound, Auto, Slave/Master
5. 2 Gobos wheels: Fixed gobo wheel & Rotating gobo wheel
6. 7 gobos+White with Bi-directional rotate effect
7. Color wheel: 7 main colors+open with the rainbow
8. One rotationg 3-facet prism
9. RGB color mixing
10. Gobo indexing
11. Program inside ,Adjustable flash frequency

4 DISPLAYCODE SETTING METHOS

60W Spot and Wash Mixing Moving head button

MODE   FUNC   UP   DOWN

MENU

→【DMX】
System Mode → DMX Mode → Adder Setup   Adder Setup
                              [16CH]   [001] [512]

          → DMX Mode → Adder Setup   Adder Setup
                              [31CH]   [001] [512]

          → DMX Mode → Adder Setup   Adder Setup
                              [34CH]   [001] [512]

        Enter
→【Auto】 → [Au P1] ⟷ [Au P8]   Self-control mode

→【Sound】 → [So P1] ⟷ [So P8]   Sound-control mode

Enter   Enter
→ [Reverse] → [Pan] — enter → [Yes] → [No] Pan
              → [Tilt] → [Yes] ⟷ [No] Tilt

        Enter
→ [Reset] → [Yes] ⟷ [No]   Reset
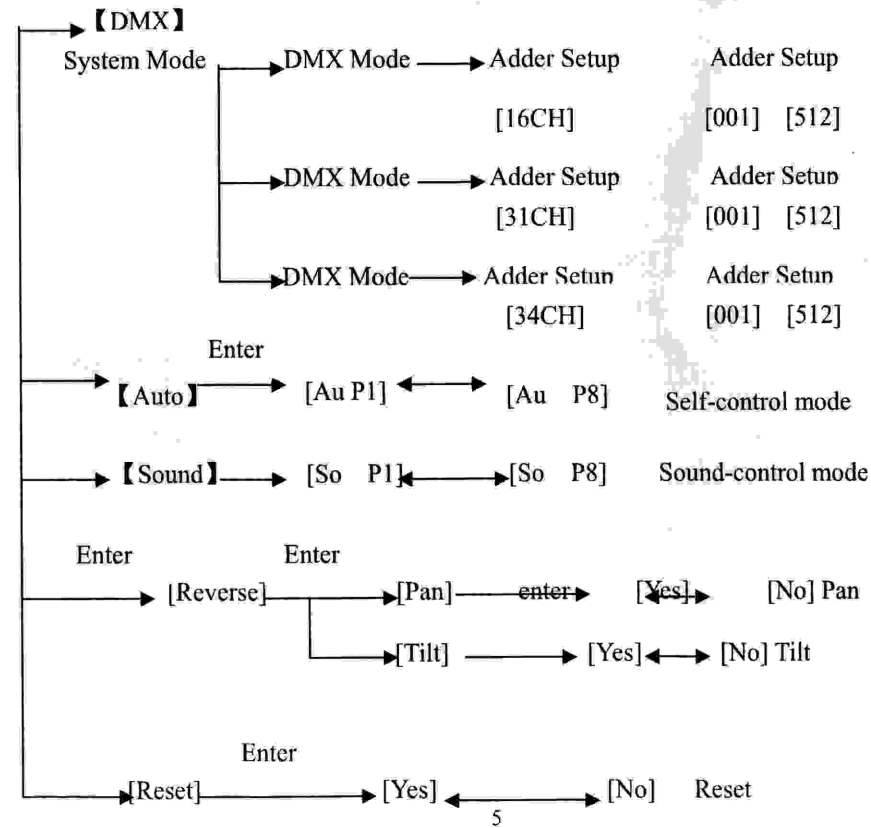
5 DMX CHANNEL SHEET

Channel Mode

16CH	31CH	34CH	Function	Channel Value	Function
CH1		CH1	self-setting Program	0-15	No action
				16-45	Internal running 1
				46-75	Internal running 2
				76-105	Internal running 3
				106-135	Internal running 4
				136-165	Internal running 5
				166-195	Internal running 6
				196-225	Internal running 7
				226-255	Internal running 8
CH2	CH1	CH2	Pan	0-255	0-540°
CH3	CH2	CH3	Tilt	0-255	0-270°
CH4		CH4	Pan Fine Tilt	0-255	Pan Fine
CH5		CH5	Tilt Fine	0-255	Tilt Fine
CH6	CH3	CH6	X, Y speed Adjustment	0-255	From fast to slow
CH7	CH4	CH7	Profile Dimmer	0-255	From dark to bright
CH8	CH5	CH8	Profile Strobe	0-7	Turn on
				8-250	Strobe from fast to slow
				251-255	Turn off
CH9	CH6	CH9	Color: 7several+ White Lighting	0-15	Color 1
				16-31	Color 2
				32-47	Color 3
				48-63	Color 4
				64-79	Color 5
				80-95	Color 6
				96-111	Color 7
				112-127	Color 8
				128-255	Color from fast to slow
CH10	CH7	CH10	7 Static Gobos + Open	0-7	Open
				8-15	Gobo 1
				16-23	Gobo 2
				24-31	Gobo 3
				32-39	Gobo 4
				40-47	Gobo 5
				48-55	Gobo 6
				56-63	Gobo 7
				64-71	Gobo 7 shake speed from slow to fast
				72-79	Gobo 6 shake speed from slow to fast
				80-87	Gobo 5 shake speed from slow to fast
				88-95	Gobo 4 shake speed from slow to fast
				96-103	Gobo 3 shake speed from slow to fast
				104-111	Gobo 2 shake speed from slow to fast
				112-119	Gobo 1 shake speed from slow to fast
				120-127	Open
				192-255	Gobo positive and negative running from slow to fast
CH11	CH8	CH11	7 Rotating Gobos + Open	0-15	White Lighting
				16-31	Gobo 1
				32-47	Gobo 2
				48-63	Gobo 3
				64-79	Gobo 4
				80-95	Gobo 5
				96-111	Gobo 6
				112-127	Gobo 7
				128-191	Wheel CW Fast > slow
				192-255	Wheel CCW Fast > slow

CH12	CH9	CH12	Gobo Indexing Rotation	0-15	Stop
				16-95	Gobo Fine 0-360
				96-115	Gobo Rotating 0-90
				116-135	Gobo Rotating 0-180
				136-155	Gobo Rotating 0-360
				156-175	Gobo Rotating 0-720
				176-215	Gobo self-rotating CW from slow to fast
				116-255	Gobo self-rotating CCW rotating from slow to fast
CH13	CH10	CH13	Focus	0-255	focus from near to far
CH14	CH11	CH14	Prism	0-63	Open
				64-255	Prism In
CH15	CH12	CH15	Prism Rotation	0-15	Stop
				16-136	Rotate CW slow > fast
				137-255	Rotate CCW slow > fast
	CH13	CH16	Wash Global Dimmer	0-255	From dark to bright
	CH14	CH17	Global Red	0-255	From dark to bright
	CH15	CH18	Global Green	0-255	From dark to bright
	CH16	CH19	Global Blue	0-255	From dark to bright
	CH17	CH20	Pre set RGB color	0-7	No action
				8-15	Color 1
				16-23	Color 2
				24-31	Color 3
				32-39	Color 4
				40-47	Color 5
				48-55	Color 6
				56-63	Color 7
				64-71	Color 8
				72-79	Color 9
				80-87	Color 10
				88-95	Color 11
				96-103	Color 12
				104-111	Color 13
				112-119	Color 14
				120-127	Color 15
				128-135	Color 16
				136-195	Color gradually change from slow to fast
				196-255	Color suddenly change from slow to fast
	CH18	CH21	Global Strobe	0-255	From slow to fast
	CH19	CH22	Red Zone 1	0-255	From dark to bright
	CH20	CH23	Green Zone 1	0-255	From dark to bright
	CH21	CH24	Blue Zone 1	0-255	From dark to bright
	CH22	CH25	Red Zone 2	0-255	From dark to bright
	CH23	CH26	Green Zone 2	0-255	From dark to bright
	CH24	CH27	Blue Zone 2	0-255	From dark to bright
	CH25	CH28	Red Zone 3	0-255	From dark to bright
	CH26	CH29	Green Zone 3	0-255	From dark to bright
	CH27	CH30	Blue Zone 3	0-255	From dark to bright
	CH28	CH31	Red Zone 4	0-255	From dark to bright
	CH29	CH32	Green Zone 4	0-255	From dark to bright
	CH30	CH33	Blue Zone 4	0-255	From dark to bright
CH16	CH31	CH34	Reset	250-253	Reset

6 DIFFICULTY RESOLUTION

The following is a list of problems and resolutions, should only be preformed by professionally qualified staff.

1. Bulb not working

   a) Check whether approaching the service life of LED, then change it

   b) Check whether LED circuitry is not loss or connect poorly

2. Beam appears flash or is patchy

   a) The LED maybe approach the service life, then change it, or the optical components are unclean.

   b) LED has an accumulation of dust, so the LED and other parts inside the lamp should be cleaned and maintained in regular period.

3. LCD Display works intermittently

   a) Check whether the fan running

   b) Check inner temperature-response control plug is off

   c) Check whether the circuitry is good and contacted properly

4. The computer lamp not controlled by controller during lighting

   a) Check numeral starting address and the connection of communication control circuit

   b) The corresponding channel button of controller is open or not

   c) Check whether the fuse on power supply input jack is broken off

7 CLEANING

To make sure the stable run of the moving head, you should keep it clean. All fans, lens and color filters, do not use any soluble detergent when cleaning the color filter avoiding the damage to LED..

8 AFTER SERVICE

1. BIG company offer technical consultation to customers.

2. If the machine is wrong and need repairmen, please truthfully fill in the related content and feedback us the problems timely, as well as we have to improve the product.

3. In addition to stage light, also matching accessories are as follows:

   accessories: 1x Power cable

   1x Signal cable

   1x Users manual

   2x Hanging Bracket

   1x Safety cable