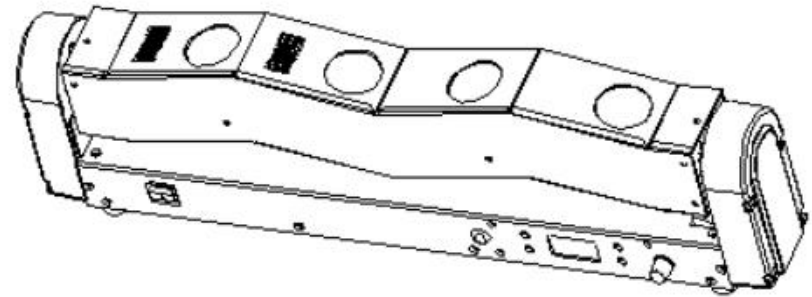




YELLOWRIVER
MAKE YOUR STAGE TO BE MORE EXCELLENT

INFINITY LED MOVING BEAM



Model: YR-B1008QA

10WX8PCS(RGBW 4IN1)

User Manual

Please read these instructions carefully before use

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Section 1. Getting Started

- ✧ Unpacking
- ✧ Safety Instruction

Unpacking

- 1pc Fixture
- 1pc User Manual
- 1pc Power Cable
- 1pc Signal Cable

Thanks for using our LED MOVING BEAM range. Carefully unpack the box and check the contents to ensure that all parts are present and in good conditions. If anything looks as if it has been damaged in transit, notify the shipper immediately and keep the packing material for inspection. Again, please save the carton and all packing materials. If a fixture must be returned to manufacturer, it is important that the fixture be returned in the original manufacturer box and packing.

Safety Instruction



For your safety, please read this user manual carefully before operation. The machine should be operated by qualified engineer!

- Please conserve this manual as operation guidance. If you sell this product to other user, please make sure that they also receive this user manual.
- Always make sure that you are connecting to the proper voltage and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the fixture.
- The fixture is intended to indoor use only. To prevent risk of fire or shock, do not expose fixture to rain or moisture. Make sure there are no flammable, explosive or corrosive materials surrounded in 0.5 meter while operating.
- The unit must be installed in a location with adequate ventilation, at least 50CM away from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Do not operate at ambient temperatures higher than 104°F (40°C).
- Safe wire should be used to install machine. Bearing of safe wire should be 3 times of the machine weight. Complimentary signal cable transmits signals to 20 unit fixtures at most. Signal amplifier is a must to connect more fixtures. Sectional area of complimentary power cable is 1.5 m².
- Always disconnect from the power source before servicing or replacing fuse/lamp and be sure to replace with same fuse/lamp size and type. Cut off power before moving, repairing and cleaning the machine.
- Secure fixture using a safety chain and carrying handles. Never carry the fixture by its cord.
- In case of failure or malfunction occurred, stop using the unit immediately.
- Repairs carried out by unskilled people can lead to damage or malfunction. Buy the same spare parts/components from manufacturer directly.
- To avoid electric shock, all fixtures must be connected to circuits with a suitable ground. Make sure the power cord is never crimped or damaged. Do not power on and power off the fixture in a short time. For your safety, do not touch fixture when running.
- When use DMX controller, please make sure that there is no interference sources(e.g. intercom, high frequency radio waves and radiation source)

Caution! There are no user serviceable parts inside the unit. Do not open the housing or attempt any repairs yourself. In the unlikely event your unit may require service, please contact your local distribution or after-sale service center.

Section 2. Set Up

- ✧ Installation
- ✧ Controlling Board
- ✧ Machine Connection

Installation

This machine should be mounted through the screw holes of truss. Safety wire is a must to fix fixture well. Make sure truss and safety wire have strong load capacity to bear 3 times weight than fixture at least. This machine should be installed by qualified technician.

Controlling Board



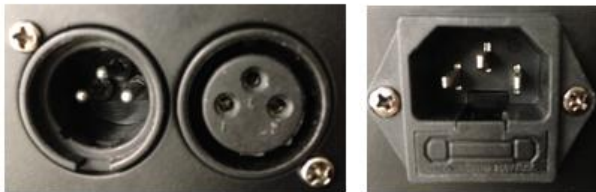
1. Display

Display menu and selected function.

2. Button

| | |
|-------|--|
| MENU | switch menu function |
| UP | On function: page up On numerical value: increase value |
| DOWN | On function: page down On numerical value: reduce value |
| ENTER | Settle selected function and value |

DMX IN DMX OUT POWER IN



3. DMX signal input

Control model by DMX signal, please use 3pin XLR signal cable.

4. DMX Signal output

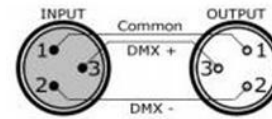
Transfer DMX signal to next model, please use 3pin XLR signal cable.

5. Power input

Connect to obtain power

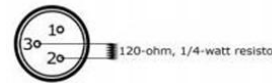
Cable Connectors

Cables must have a male XLR connector on one end and a female XLR connector on the other end.



A word on termination: DMX is a resilient communication protocol,

however errors still occasionally occur. Termination reduces signal errors, and therefore best practices include use of a terminator in all circumstances. If you are experiencing problems with erratic fixture behavior, especially over long signal cable runs, a terminator may help improve performance.



To build your own DMX Terminator: Obtain a 120-ohm, 1/4-watt resistor, and wire it between pins 2&3 of the last fixture. They are also readily available from specialty retailers.

**Complimentary signal cable can transmits signals to 20 unit fixtures
at most. Signal amplifier is a must to connect more fixtures**

Section 3. Troubleshooting

| | Probable cause(s) | Remedy |
|---|---|--|
| No response from fixture when power is applied | No power to fixture | Check power cables |
| | Primary fuse blown | Replace fuse |
| | Secondary fuse blown | Replace fuse |
| Fixture resets but does not respond correctly to controller(DMX mode operation) | Controller not connected | Connect controller |
| | Incorrect addressing of the fixtures | Check address setting on fixture and controller |
| | Bad data link connection | Inspect cables and correct poor connections and/or broken cables. |
| | Conflict between tracking and vector control | Eliminate scene cross-fade on controller |
| | Data link not terminated | Insert termination plug in output of last fixture |
| | Defective fixture or 2 devices transmitting on link | Bypass fixtures one at a time until normal operation is regained:unplug both connectors and connect them directly together |
| Colors cannot be mixed | Random color mixing is on | Turn off random color mixing |
| Fixture does not reset correctly | Electronic or mechanical failure | Contact service technician |
| No light, lamp cuts out intermittently,or burns out too quickly | Lamp missing or blown | Disconnect fixture and replace lamp |
| | Fixture or lamp is too hot | Allow fixture to cool. If problem persists,contact service technician |

Section 4. Reference

- ✧ Control Menu
- ✧ DMX Protocol
- ✧ Specification

Control Menu

| Operation | Display | Description |
|---|--|---|
| MENU1: Dmx512 PRESS ENTER | Dmx512 45CH: xxx | UP/DOWN to choose 1-512, press ENTER to save |
| | Dmx512 21CH: xxx | UP/DOWN to choose 1-512, press ENTER to save |
| | Dmx512 12CH: xxx | UP/DOWN to choose 1-512, press ENTER to save |
| | Dmx512 8CH: xxx | UP/DOWN to choose 1-512, press ENTER to save |
| MENU2: Tilt PRESS ENTER | Tilt No | Y clockwise, press ENTER to save |
| | Tilt Yes | Y anti-clockwise, press ENTER to save |
| MENU3: Manual PRESS ENTER | Manual CH01: xxx ... | UP/DOWN to adjust value 0-255, press ENTER to save.(CH01-CH45 represents for 45CH same function as DMX512 console |
| | Manual CH45 :xxx | |
| | Test | UP/DOWN to choose Y run auto model 1-9, press |

| | | |
|---|---------------------------------|---|
| MENU4: Test Press ENTER | MAuto:x | ENTER to save |
| | Test Auto:x | UP/DOWN to choose Y off auto model 1-9, press ENTER to save |
| | Test MSound:x | UP/DOWN to choose Y run sound-active 1-9,press ENTER to save |
| | Test Sound:x | UP/DOWN to choose Y off sound active model 1-9, press ENTER to save |
| | Test Tilt:xxx | UP/DOWN to adjust Y value address, press ENTER to save.(only be valid under MODE Auto:x and Sound:x) |
| MENU5: PassWord Press ENTER | PassWord Unlock | Password---unlock. set up three-digit-number password. ENTER→UP/DOWN to choose digit(0-9)→ENTER. Default password is 988. Power off fixture to active password unlock function |
| | PassWord Lock | Passwork-lock. Password---lock. set up three-digit-number password. ENTER→UP/DOWN to choose digit(0-9)→ENTER. Default password is 988. Power off fixture to active password lock function |
| MENU6: Re- Def- | enter to reset factory defaults | |
| MENU7: Reset | enter to reset | |

Comment: Press MENU to back to the last option. Press ENTER to save.

How to erase password: Please press MENU→UP/ DOWN→MENU SYS-SET→ENTER→UP/ DOWN→SYS-SET Password→ENTER→UP/ DOWN→NO→ENTER→password(default 988)→ENTER

DMX Protocol (45CH)

| CH | Function | Description |
|------|------------------------------|---|
| CH1 | Y | 0-255 0-360 Degree |
| CH2 | Y 16 bit | 0-255 |
| CH3 | Y speed | 0-255 from fast to slow |
| CH4 | Y Run infinity | 1-127 run clockwise, 128-255 run anticlockwise |
| CH5 | Dimmer | 0-255 from dark to bright |
| CH6 | R | 0-255 from dark to bright |
| CH7 | G | 0-255 from dark to bright |
| CH8 | B | 0-255 from dark to bright |
| CH9 | W | 0-255 from dark to bright |
| CH10 | Strobe | 0-255 from slow to fast |
| CH11 | Stand-alone/ sound-active | 1-7 Y stand-alone①, 8-14 Y stand-alone②, 15-21 Y stand-alone③, 22-28 Y stand-alone④, 29-35 Y stand-alone⑤, 36-42 Y stand-alone⑥, 43-49 Y stand-alone⑦, 50-56 Y stand-alone⑧, 57-63 Y stand-alone⑨ |
| | | 64-70 Y off stand-alone①, 71-77 Y off stand-alone②, 78-84 Y off stand-alone③, 85-91 Y off stand-alone④, 92-98 Y off stand-alone⑤, 99-105 Y off stand-alone⑥, 106-112 Y off stand-alone⑦, 113-119 Y off stand-alone⑧, 120-126 Y off stand-alone⑨ |
| | | 127-133 Y sound-active①, 134-140 Y sound-active②, 141-147 Y sound-active③, 148-154 Y sound-active④, 155-161 Y sound-active⑤, 162-168 Y sound-active⑥, 169-175 Y sound-active⑦, 176-182 Y sound-active⑧, 183-189 Y sound-active⑨ |
| | | 190-196 Y off sound-active①, 197-203 Y off sound-active②, 204-210 Y off sound-active③, 211-217 Y off sound-active④, 218-224 Y off |

| | | |
|------|-------------------|---|
| | | sound-active⑤, 225-231 Y off sound-active⑥, 232-238 Y off sound-active⑦, 239-245 Y off sound-active⑧, 246-255 Y off sound-active⑨ |
| CH12 | Stand alone speed | 0-255 from slow to fast |
| CH13 | R1 | 0-255 The 1 st LED Red from dark to bright |
| CH14 | G1 | 0-255 The 1 st LED Green from dark to bright |
| CH15 | B1 | 0-255 The 1 st LED Blue from dark to bright |
| CH16 | W1 | 0-255 The 1 st LED White from dark to bright |
| ... | ... | ... |
| | ... | ... |
| | ... | ... |
| CH41 | R8 | 0-255 The 8 th LED Red from dark to bright |
| CH42 | G8 | 0-255 The 8 th LED Green from dark to bright |
| CH43 | B8 | 0-255 The 8 th LED Blue from dark to bright |
| CH44 | W8 | 0-255 The 8 th LED White from dark to bright |
| CH45 | reset | 0-250 not applicable, 251-255 reset after 3 second |

DMX Protocol (21CH)

| CH | Function | Description |
|------|----------------|--|
| CH1 | Y | 0-255 0-360 Degree |
| CH2 | Y 16 bit | 0-255 |
| CH3 | Y speed | 0-255 from fast to slow |
| CH4 | Y Run infinity | 1-127 run clockwise, 128-255 run anticlockwise |
| CH5 | Dimmer | 0-255 from dark to bright |
| CH6 | R | 0-255 from dark to bright |
| CH7 | G | 0-255 from dark to bright |
| CH8 | B | 0-255 from dark to bright |
| CH9 | W | 0-255 from dark to bright |
| CH10 | Strobe | 0-255 from slow to fast |
| CH11 | Stand-alone/ | 1-7 Y stand-alone①, 8-14 Y stand-alone②, |

| | | | |
|------|-------------------|---|--|
| | sound-active | 15-21 Y stand-alone③, 22-28 Y stand-alone④, 29-35 Y stand-alone⑤, 36-42 Y stand-alone⑥, 43-49 Y stand-alone⑦, 50-56 Y stand-alone⑧, 57-63 Y stand-alone⑨ | |
| | | 64-70 Y off stand-alone①, 71-77 Y off stand-alone②, 78-84 Y off stand-alone③, 85-91 Y off stand-alone④, 92-98 Y off stand-alone⑤, 99-105 Y off stand-alone⑥, 106-112 Y off stand-alone⑦, 113-119 Y off stand-alone⑧, 120-126 Y off stand-alone⑨ | |
| | | 127-133 Y sound-active①, 134-140 Y sound-active②, 141-147 Y sound-active③, 148-154 Y sound-active④, 155-161 Y sound-active⑤, 162-168 Y sound-active⑥, 169-175 Y sound-active⑦, 176-182 Y sound-active⑧, 183-189 Y sound-active⑨ | |
| | | 190-196 Y off sound-active①, 197-203 Y off sound-active②, 204-210 Y off sound-active③, 211-217 Y off sound-active④, 218-224 Y off sound-active⑤, 225-231 Y off sound-active⑥, 232-238 Y off sound-active⑦, 239-245 Y off sound-active⑧, 246-255 Y off sound-active⑨ | |
| CH12 | Stand alone speed | 0-255 from slow to fast | |
| CH13 | LED 1 | RGBW Brightness adjustment, 2-31 R, 32-61 G, 62-91 B, 92-121 W, 122-151 R+G, 152-181 R+B, 182-211 G+B, 212-241 RGB, 242-255 RGBW | |
| CH14 | LED 2 | | |
| CH15 | LED 3 | | |
| CH16 | LED4 | | |
| CH17 | LED5 | | |
| CH18 | LED6 | | |
| CH19 | LED7 | | |
| CH20 | LED8 | | |
| CH21 | reset | | 0-250 not applicable, 251-255 reset after 3 second |

DMX Protocol (12CH)

| CH | Function | Description |
|-----|------------------------------|---|
| CH1 | Y | 0-255 0-360 Degree |
| CH2 | Y Run infinity | 1-127 run clockwise, 128-255 run anticlockwise |
| CH3 | Stand-alone/ sound-active | 1-7 Y stand-alone①, 8-14 Y stand-alone②, 15-21 Y stand-alone③, 22-28 Y stand-alone④, 29-35 Y stand-alone⑤, 36-42 Y stand-alone⑥, 43-49 Y stand-alone⑦, 50-56 Y stand-alone⑧, 57-63 Y stand-alone⑨ |
| | | 64-70 Y off stand-alone①, 71-77 Y off stand-alone②, 78-84 Y off stand-alone③, 85-91 Y off stand-alone④, 92-98 Y off stand-alone⑤, 99-105 Y off stand-alone⑥, 106-112 Y off stand-alone⑦, 113-119 Y off stand-alone⑧, 120-126 Y off stand-alone⑨ |
| | | 127-133 Y sound-active①, 134-140 Y sound-active②, 141-147 Y sound-active③, 148-154 Y sound-active④, 155-161 Y sound-active⑤, 162-168 Y sound-active⑥, 169-175 Y sound-active⑦, 176-182 Y sound-active⑧, 183-189 Y sound-active⑨ |
| | | 190-196 Y off sound-active①, 197-203 Y off sound-active②, 204-210 Y off sound-active③, 211-217 Y off sound-active④, 218-224 Y off sound-active⑤, 225-231 Y off sound-active⑥, 232-238 Y off sound-active⑦, 239-245 Y off sound-active⑧, 246-255 Y off sound-active⑨ |
| CH4 | LED 1 | RGBW Brightness adjustment, 2-31 R, 32-61 G, 62-91 B, 92-121 W, 122-151 R+G,152-181 R+B,182-211 G+B,212-241 RGB, 242-255 RGBW |
| CH5 | LED 2 | |
| CH6 | LED 3 | |
| CH7 | LED4 | |
| CH8 | LED5 | |
| CH9 | LED6 | |

| | | |
|------|-------|---|
| CH10 | LED7 | RGBW Brightness adjustment, 2-31 R, 32-61 G, 62-91 B, 92-121 W, 122-151 R+G,152-181 R+B,182-211 G+B,212-241 RGB, 242-255 RGBW |
| CH11 | LED8 | |
| CH12 | reset | 0-250 not applicable, 251-255 reset after 3 second |

DMX Protocol (8CH)

| CH | Function | Description |
|-----|----------------|--|
| CH1 | Y | 0-255 0-360 Degree |
| CH2 | Y Run infinity | 1-127 run clockwise, 128-255 run anticlockwise |
| CH3 | Dimmer | 0-255 from dark to bright |
| CH4 | R | 0-255 from dark to bright |
| CH5 | G | 0-255 from dark to bright |
| CH6 | B | 0-255 from dark to bright |
| CH7 | W | 0-255 from dark to bright |
| CH8 | Strobe | 0-255 from slow to fast |

Master-Slave control model:

Set up one fixture as Master fixture(triggering), other fixtures as slave fixtures(receiving trigger signals).Set up all fixtures **same** address value or following DMX controller performance(Attention: all fixtures use the same DMX channel 45/21/12/8CH)

Specification:

Voltage: AC110V~240V

Frequency: 50/60Hz

Rated Power: 150W

LED: 10WX8 RGBW 4IN1

Control: DMX512

Channel: 45/21/12/8 CH (switchable)

Control Mode: DMX/sound active/auto/ master-slave/manual

Level of Protection: IP20

Stock: Clean and Dry place

Running Temp.: 0°C~40°C

Weight: 5.3KG

Package Dimension: 63*8*16cm