



YELLOWRIVER
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ARC LED MOVING BEAM



Model: YR-B1005QA

10WX5PCS(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 ARC 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



3. DMX signal input

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

4. DMX Signal output

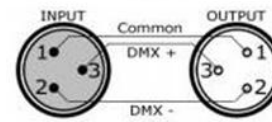
Transfer DMX signal to next model, please use 3pin XLR signal cable.

5. Power input

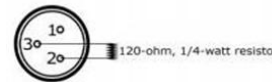
Connect to obtain power

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 17CH: xxx	UP/DOWN to choose 1-512, press ENTER to save
	Dmx512 12CH: 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: Mamual PRESS ENTER	Mamual CH01: xxx ... Mamual CH17:xxx	UP/DOWN to adjust value 0-255, press ENTER to save.(CH01 to CH17respects for 17CH same function as DMX512 console
MENU4: Test Press	Test MAuto:x	UP/DOWN to choose Y RUN auto model 1-9, press 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

ENTER	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 active with 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---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 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 (12CH)

CH	Function	Description
CH1	Y	0-255
CH2	Y 16 bit	0-255
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
CH9	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
CH10	Stand alone speed	0-255 from slow to fast
CH11	Y run speed	0-255 from fast to slow
CH12	reset	0-254 not applicable, 255 reset

DMX Protocol (17CH)

CH	Function	Description
CH1	Y	0-255
CH2	Y 16 bit	0-255
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
CH9	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
CH9	Stand-alone/ sound-active	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
CH9	Stand-alone/ sound-active	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
CH9	Stand-alone/ sound-active	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

CH10	Stand alone speed	0-255 from slow to fast
CH11	Y run speed	0-255 from fast to slow
CH12	LED1	RGBW brightness adjust,2-31RED,32-61 GREEN, 62-91BLUE,92-121WHITE,122-151 RED+GREEN,152-181 RED+BLUE,182-211GREEN+BLUE,212-241RED+GREEN+BLUE,242-255 RED+GREEN+BLUE+WHITE
CH13	LED2	
CH14	LED3	
CH15	LED4	
CH16	LED5	
CH17	reset	0-254 not applicable, 255 reset

6. 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-12 or 17CH)

Specification:

Voltage: AC110V~240V

Frequency: 50/60Hz

Rated Power: 120W

LED: 10WX5 RGBW 4IN1

Control: DMX512

Channel: 17/12 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: 6.5KG

Package Dimension: 58*8*20cm