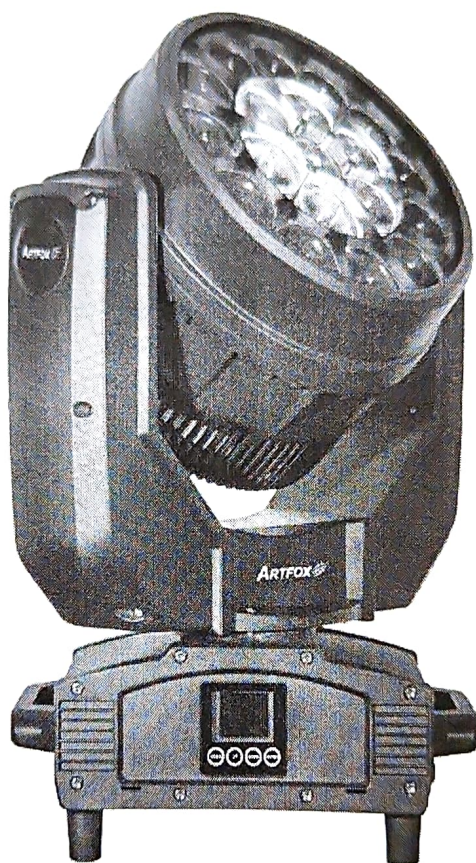


www.artfox.net, ARTFOX, An Advanced manufacturer on Lighting and Led Display

Solar IP 19

19x40w, waterproof, Beam Wash



User manual

Please read the instructions carefully before us

The unit should be mounted via its screw holes on the bracket. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. And make sure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times of the unit's weight. Also always use a safety cable that can hold 12 times of the weight of the unit when installing the fixture.

The equipment must be fixed by professionals. And it must be fixed at a place where is out of the touch of people.

2. Technical Specifications

Solar IP 19

Beam Wash 2-in-1, 19x40W RGBW LEDs, Pixel Tech, IP65 Waterproof

Features:

Super bright, 19x40w RGBW Osram leds

Beam wash 2-in-1, linear zoom

IP65 Waterproof

Excellent optic features: Beam is sharp, Wash is very even

Very powerful but very quite

with folding clamps

Features:

19x40W RGBW, Osram, 4 in 1 moving head beam wash with pixel mapping
and zoom

3.5 degree narrow Beam and 50 degree large bright wash , Beam wash, 2 in 1.

It features folder clamps, extremely powerful output.

Precise and fast movement, silent fans and movement.

16-bit Dimming of master dimmer as well as individual colors for smooth
control of fades

Built in colors for quick design possibilities

3.5° - 50° Zoom angle for variable beam sizes

Specifications

SOURCE

(19) 40W Osram RGBW LEDs

50,000 Hour Average LED Life*

EFFECTS

Motorized Zoom (3.5° - 50°)

Pan: 540° Tilt: 270°

Linear Color Temperature Presets

RGBW Color Mixing and Pixel Control

Color Presets and Macros

Electronic Strobe and Variable Dimming Curves

16-bit Dimming

CONTROL / CONNECTIONS

2 DMX Channel Modes (19 /27)

Fast and precise Pan and Tilt Movement

1.8 inch TFT LCD screen, 180 degree, 4 Button LCD Menu Display

DMX512, RDM, Auto-run, Master-slave, Sound, Manual

3 PIN AND 5pin XLR DMX In/Out

TRUE1 Power In/Out

Folder Clamps

SIZE / WEIGHT

Length: 17.1" (434mm)

Width: 11.7" (298mm)

Vertical Height: 20.9" (530mm)

Weight: 48.5lbs (22 kg)

ELECTRICAL / THERMAL

AC 100-240V - 50/60Hz

800W Max Power Consumption

14°F to 113°F (-10°C to 45°C)

APPROVALS / RATINGS

CE | FCC | cETLus pending | IP65

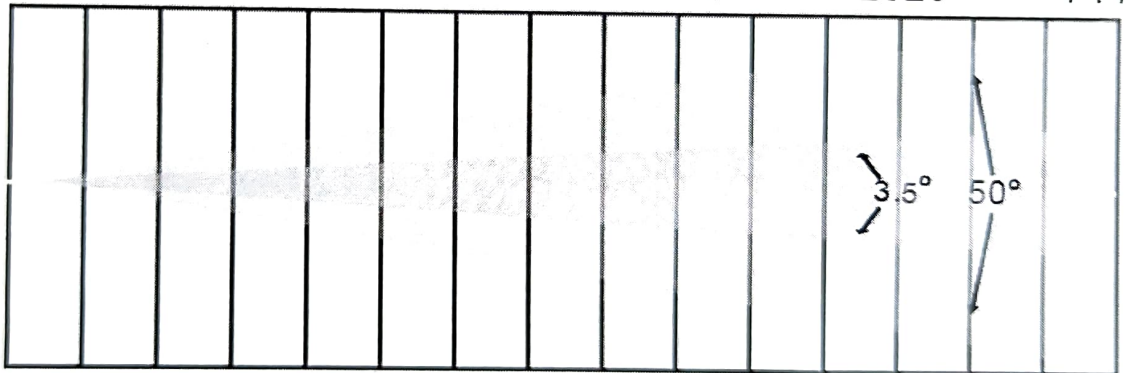
3. Lux Data

Beam Angle = 3.5°

R lux	25900	13500	6350	2530
G lux	57300	28000	13300	5510
B lux	10100	5100	2690	1020
W lux	70000	35700	19000	7060
4in1 lux	142000	73700	35000	14400

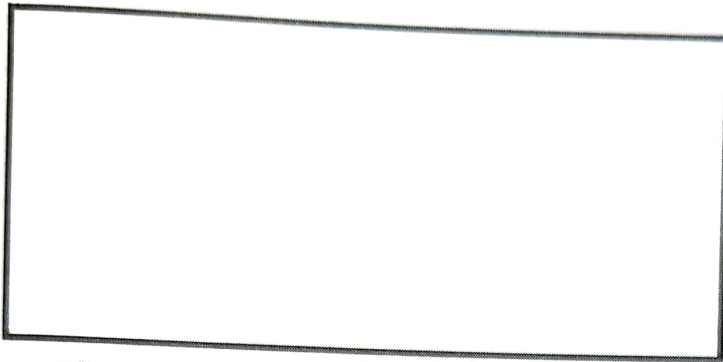
Beam Angle = 50°

R lux	10300	1000	412	163
G lux	22300	2140	907	382
B lux	4260	407	173	72
W lux	27700	2630	1100	456
4in1 lux	57300	5490	2320	744



Distance (m)	1	3	5	8
Spot diameter (m) 3.5°	0.30	0.60	0.74	1.20
Spot diameter (m) 45°	0.90	2.70	3.80	

4. How To Control The Unit



Menu

Up

Down

Enter

Display:

MENU	To select the programming functions
DOWN	To go backward in the selected functions
UP	To go forward in the selected functions
ENTER	To confirm the selected functions

Set DMX Address Code

- 1 Press **"Menu"** to **"Set DMX Address"**, and press **"ENTER"** keys to enter into
- 2 Show **"Set DMX Address DMX Address:001"**, Press the **"UP and DOWN"** keys to amended

3 Press "ENTER" keys to save and Exit, Press the "MENU" Keys does not save and Exit

Menu	1.Pan Degree	1) 540 °, 2)360°	X-axis running angle selection
	2.Mic Sense	001 - 100	Sound sensitivity adjustment
	3.Language	English	Chinese
	4.No Signal	1.Black Out 2.Hold	Set the state when the machine has no signal input
	5.Fan Set	1.Auto 2. Low 3.High	Set fan speed
	6.Reset	Yes	No
	7.Default	Yes	No
	Pass Word : ****		

Menu	8.Adjust	Pan	0 - 255
		Tilt	0 - 255
		Focus	0 - 255
		Red	0 - 255
		Green	0 - 255
		Blue	0 - 255
		White	0 - 255
Address	Setting from 001 - 512		
Reverse	Forward or reversed setting	Pan	1.Yes
			2.No
		Tilt	1.Yes
			2.No
		Display	1.Yes
			2.No
1.CH Value		Each channel show CH value	

Information	2.Temp ____°C		Show the temperature of led board	
	3.Soft V.XXX		Show the version number	
Channel	19 channels			
	27 channels			
Mode	DMX 512			
	AUTO			
	SOUND			
	Manual			
Manual	Master	Pan : 0--255		Manual Control
		Tilt:0--255		
		Focus:0--255		
		Rota:0-255		
		Red : 0--255		
	Alone	Greed : 0--255		

	Blue : 0--255
	White : 0--255
	Strobe : 0-255

5.DMX Channel List

Model 1 - CH19

Channel	Display	Function	Value
CH-1	Pan adjustment	Pan adjustment	0 --- 255
CH-2	Pan adjustment	Pan adjustment	0 --- 255
CH-3	Tilt adjustment	Tilt adjustment	0 --- 255
CH-4	Tilt adjustment	Tilt adjustment	0 --- 255
CH-5	Pan/Tilt speed	from fast to slow	0 --- 255
		No	0 --- 15

CH-6	Strobe	From slow to fast	16 --- 214	
		Random strobe	215 --- 255	
CH-7	Dimming	From dark to bright	0 --- 255	
CH-8	Dimming Model	Model -1	0 --- 49	
		Model -2	50 --- 99	
		Model -3	100 --- 149	
		Model -4	150 --- 255	
CH-9	Focus	from near to far	0 --- 255	
CH-10	Red	From dark to bright	0 --- 255	
CH-11	Green		0 --- 255	
CH-12	Blue		0 --- 255	
CH-13	White		From dark to bright	0 --- 255
				0 --- 255

CH-14	Static color	No	0----15
		R 100%,G up,B0%	16----35
		R down,G 100%,B0%	36----55
		R 0%, G 100%, B up	56----75
		R 0%, G100%, B up	76----95
		R up, G0%, B100%	96----115
		R 100%, G0%, B down	116----135
		R 100%, G up, B up	136----155
		R 100%, G down, B 100%	156----175
		R 100%, G 100%, B 100%, W 100%	176----195
2800K	196----200		

CH-14	Static color	3200K	201----205
		3500K	206----210
		4000K	211----215
		4500K	216----220
		5000K	221----225
		5500K	226----230
		6000K	231----235
		6500K	236----240
		7000K	241----245
		7500K	246----250
		8000K	251----255
		No	0 ---- 9

CH-15	Effects	3 numbers 1 effect	10 --- 99
		Jump	100 --- 149
		gradual change	150 --- 255
CH-16	Zone	No	0 --- 19
		Zone -1	20 --- 39
		Zone -2	40 --- 59
		Zone -3	60 --- 79
		Zone -4	80 --- 99
		Zone -5	100 --- 119
		Zone -6	120 --- 139
		Zone -7	140 --- 159
		Zone-8	160 --- 179

		Zone 9	190 - 20
		Zone 10	200 - 210
		Zone 11	220 - 255
CH-17	Zone change speed	Zone 7 - Zone 11	0 - 255
CH-18	Zone change fade	Zone 7 - Zone 11	0 - 255
CH-19	Reset	No	0 - 79
		Reset	80 - 99
		No	100 - 255

Model 2 - CH27

Channel	Display	Function	Value
CH-1	Pan adjustment	Pan adjustment	0 - 255

CH-2	Pan adjustment	Pan adjustment	0 --- 255
CH-3	Tilt adjustment	Tilt adjustment	0 --- 255
CH-4	Tilt adjustment	Tilt adjustment	0 --- 255
CH-5	Pan/Tilt speed	from fast to slow	0 --- 255
CH-6	Strobe	No	0 --- 15
		From slow to fast	16 --- 214
		Random strobe	215 --- 255
CH-7	Dimming	From dark to bright	0 --- 255
CH-8	Dimming Model	Model -1	0 --- 49
		Model -2	50 --- 99
		Model -3	100 --- 149
		Model -4	150 --- 255

CH-9	Focus	from near to far	0 --- 255	
CH-10	Red-1	From dark to bright	0 --- 255	
CH-11	Green-1			
CH-12	Blue-1			
CH-13	White-1			
CH-14	Red-2			
CH-15	Green-2			
CH-16	Blue-2			From dark to bright
CH-17	White-2			
CH-18	Red-3			
CH-19	Green-3			
CH-20	Blue-3			

CH-21	White-3		
		No	0----15
		R 100%, G up, B0%	16----35
		R down, G 100%, B0%	36----55
		R 0%, G 100%, B up	56----75
		R 0%, G100%, B up	76----95
		R up, G0%, B100%	96----115
		R 100%, G0%, B down	116----135
		R 100%,G up, B up	136----155
		R 100%, G down, B 100%	156----175
		R 100%, G 100%, B 100%, W 100%	176----195
CH-22	Static color		

CH-22

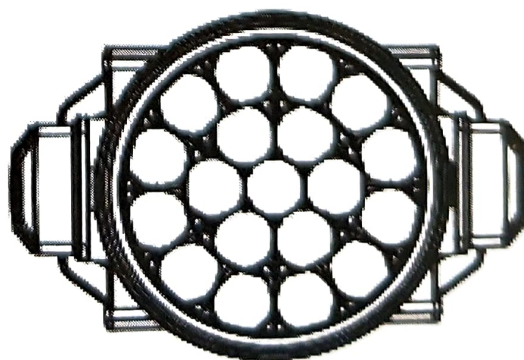
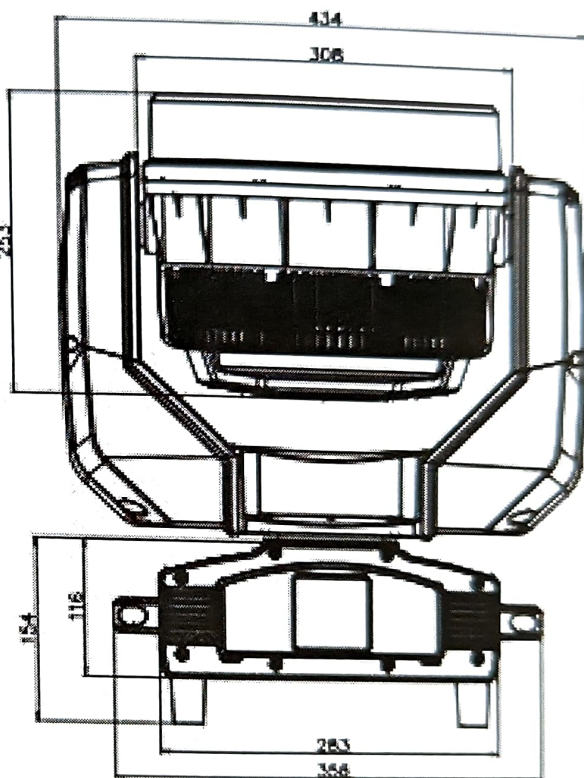
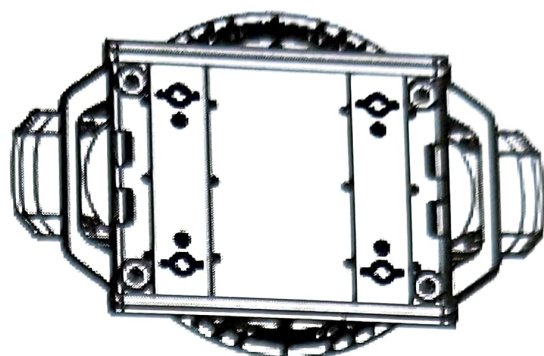
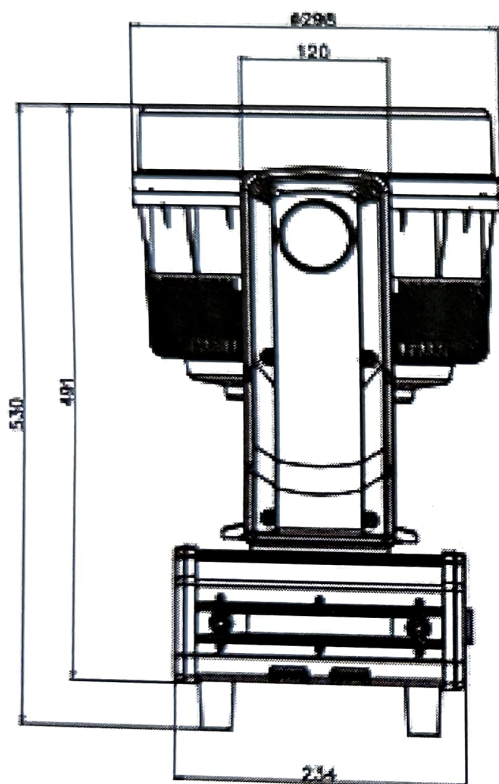
Static color

2800K	196---200
3200K	201---205
3500K	206---210
4000K	211---215
4500K	216---220
5000K	221---225
5500K	226---230
6000K	231---235
6500K	236---240
7000K	241---245
7500K	246---250
8000K	251---255

CH-23	Effects	No	0 --- 9
		3 numbers 1 effect	10 --- 99
		Jump	100 --- 149
		gradual change	150 --- 255
CH-24	Zone	No	0 --- 19
		Zone -1	20 --- 39
		Zone -2	40 --- 59
		Zone -3	60 --- 79
		Zone -4	80 --- 99
		Zone -5	100 --- 119
		Zone -6	120 --- 139
		Zone -7	140 --- 159

CH-24	Zone	Zone -8	160 --- 179
		Zone -9	180 --- 199
		Zone -10	200 --- 219
		Zone -11	220 --- 255
CH-25	Zone change speed	Zone 7 --- Zone 11	0 --- 255
CH-26	Zone change fade	Zone 7 --- Zone 11	0 --- 255
CH-27	Reset	No	0 --- 79
		Reset	80 --- 99
		No	100 --- 255

6. Shape



7. Trouble shooting

Following are a few common problems that may occur during operation. Here are some suggestions for easy troubleshooting:

A. The unit does not work, no light and the fan does not work

1. Check the connection of power and main fuse.
2. Measure the mains voltage on the main connector.
3. Check the power on LED.

B. Not responding to DMX controller

1. DMX LED should be on. If not, check DMX connectors, cables to see if link properly.
2. If the DMX LED is on and no response to the channel, check the address settings and DMX polarity.
3. If you have intermittent DMX signal problems, check the pins on connectors or PCB of the unit or the previous one.

4. Try to use another DMX controller.
5. Check if the DMX cables run near or run alongside to high voltage cables that may cause damage or interference to DMX interface circuit.

C. One of the channels is not working well

1. The stepper motor might be damaged or the cable connected to the PCB is broken.
2. The motor's drive IC on the PCB might be out of condition.

8. Fixture Cleaning

The cleaning of internal and external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the fixture operates: damp, smoky or particularly dirty surrounding can cause greater accumulation of dirt on the unit's optics.

Clean with soft cloth using normal glass cleaning fluid.

Always dry the parts carefully.

Clean the external optics at least every 20 days. Clean the internal optics at least every 30/60 days.