

NAUTILUX 19X40W IP65



1. Remove the packaging

For proper and safe use, please read the instructions carefully before installing and using this product. This specification contains important installation and application information. Please strictly follow the operation procedures when installing and operating the product. At the same time, please keep this instruction manual properly.

1940 Bee eye strictly follow the CE standard for design and production, in line with the international standard DMX512 signal protocol, can be used alone control, can also be used online, with fast rotation, low noise, powerful features, suitable for small and medium-sized concerts, theaters, studios, nightclubs and bars and other places,

This product uses 1940W 4 in 1 lamp beads. Please remove the package carefully, check whether the product is damaged during transportation, and check whether the following contents are complete.

1940W bee eyes- - - - -1

signal line- - -1

Manual- - -1

Power cable- - - - -1

2. Technical parameters

Voltage: AC90-240v 50-60 HZ

Total power: 800 W

Light source: 19PCS 40 W high brightness LED

Beam angle: 7° - 45°

Strobe: 1-25 times / second with multiple strobe effects

Dimming: 0-100% Linear dimming.

Channel: built-in 8 channel modes CH21 / CH30 / CH35 / CH 78 / CH 92 / CH 97 / CH 106 / CH42

Control: DMX512, self-walk, voice control

Horizontal scan: 540 degrees + 16 bit tuning

Vertical scan: 250 degrees + 16 bit fine-tuning

Display screen: Display in Both Chinese and English

3. Menu

primary menu	Sublevel menu	Tertiary menu / parameters
System Settings	running mode	DMX / voice control / self walk 1 / self walk 2
	channel pattern	CH21/CH30/CH35/CH78/CH92/CH97/CH106/CH42
	Horizontal reversal	Open / close
	Vertical reversal	Open / close
	Hall error correction	Open / close
	Optical coupling error correction	Open / close
	The signal to keep	Open / close
	Screen protection	Open / close
	Screen flip	Open / close / automatic
	Synchronous update	Open / close (This function is removed from DMX offline)
	language	centre /EN
	Screen lock	Open / close
	The dimming curve	Curve 1 / curve 2 / curve 3 / curve 4
	The dimming speed	Fast / standard
	Silent mode	Open / close
	factory data reset	
manual mode	Manual control of the channel values	000-255
system calibration	enter password	Lighting calibration

system reset	Effect motor reset	Effect disc reset other than XY
	Scan the motor for reset	The XY axis was reset only
	Full motor reset	Lamps reset
system info	Reset information	Display the specific information and content
	And DMX data detection	Display the specific DMX detection content
	sensor information	Display the optical coupling, Hall specific information
	Hardware version	Displays the hardware version number
	software release	Displays the software version number

◆ manual control

This interface is used to control the current lamp, as detailed in the channel table.

Press OK to enter the edit state. Press Up and Down to change the channel value. Press OK again to save the modified value, exit editing, and press Exit not to save the modified value, and directly exit editing.

◆ system calibration

Here to set a layer of password to prevent non-professionals from misoperation. Press OK to verify the password.

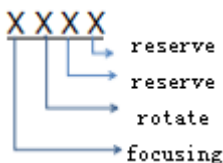

option	explain
Initial position calibration	After entering the sub-interface, the reset position of X axis, Y axis, focusing and rotation can be adjusted to make up for the error in hardware installation. The adjustment range of 0~255,127 means no adjustment.
white balance CAL	Adjustable LED1-19 and overall LED power, adjustment range 0 to 255,255 indicates no adjustment.
calibration of power	The maximum power of the adjustable whole lamp, and the adjustment range of 0~255,255 means no adjustment.
MIC sensitivity calibration	Adjust the sound-control sensitivity.
change password	Set the system calibration password.

◆ reset

Press Up and Down to switch the reset mode, and press OK to reset directly.

option	explain
Effect motor reset	Focus, rotation and other motor reset
Scan the motor for reset	The XY axis was reset only
Full motor reset	Lamps reset

◆ system info

option	explain
Reset the error message	<p>If the red ERR indicator is illuminated, the lamp is running wrong:</p> <ol style="list-style-type: none"> 1) MCU 1 communication fault (communication failure between motor and display board) 2) MCU 2 communication fault (communication failure between motor board and lamp board) 3) X / Y optical coupling error reporting 4) Rotation, amplification and reset failed
And DMX data monitoring	From this, you can enter the subinterface to display the channel values for viewing and turn the page
sensor information	<p>1) Hall:</p>  <p>2) sensor:</p> <p>X and Y optical coupling: <u>XXXX</u>--<u>XXXX</u></p> 
Hardware version number	<p>Lighting hardware information</p> <p style="text-align: center;"> <u>XX</u> . <u>XX</u> . <u>XX</u> . XX ↓ ↓ ↓ Display board version. Motor version. Light board version </p>

Software version number	Lamp software version <div style="text-align: center;"> <div style="display: inline-block; text-align: center; margin: 0 10px;"> <u>XX</u> ↓ Display board version. </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> <u>XX</u> ↓ Motor version. </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> <u>XX</u> ↓ Light board version </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> . </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> . </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> . </div> <div style="display: inline-block; text-align: center; margin: 0 10px;"> XX </div> </div>

4. Channel table

CH30	CH106	function	DMX numeric value	description
1	1	X axle	0-255	horizontal control
2	2	X axis fine-tuning	0-255	Horizontal fine-tuning control
3	3	Y axle	0-255	vertical control
4	4	Y axis fine-tuning	0-255	Vertical fine-tuning control
5	5	XY velocity	0-255	Horizontal / vertical speed is from fast to slow
6	6	focus	0-255	focus
7	7	tilting mirror	0-127	0~60 Degrees
			128-188	Counterclockwise from fast to slow infinite turn
			189-193	cease
			194-255	Cturn from slow to fast
8	8	dimming	0-255	Linear dimming, from dark to bright
9	9	Strobe	0-3	light up
			4-200	Synchronous strobe speed is changed from slow to fast (1 HZ-25 HZ)
			201-215	Low speed random flash
			216-234	Medium speed random flash
			235-255	High-speed random flash
10	10	red	0-255	Red for linear dimming from dark to bright

11	11	green	0-255	Green for linear dimming from dark to bright
12	12	blue	0-255	Blue for linear dimming from dark to bright
13	13	white	0-255	White for linear dimming from dark to bright
14	14	Color temperature regulation	0-255	Linear color temperature regulation
15	15	Color macro	0-255	Built-in color gradient
16	16	Static effect	0-9	not have
			10-14	Static effect 1
			15-19	Static effect 2
			20-24	Static effect 3
			...	
			5 to number an effect	
			...	
			175-179	Static effect 34
			180-184	Static effect 35
			185-255	Static effect 36
17	17	Dynamic effect	0-9	not have
			10-14	Effect 1
			15-19	Effect 2
			20-24	Effect 3
		
			5 to number an effect	
			220-224	Effect 43
			225-229	Effect 44
			230-255	Effect 45
18	18	Dynamic effect speed	0-126	Forward from fast to slow
			127-128	static
			129-255	Reverse from slow to fast
19	19	Background red	0-255	The effect background is red for linear dimming from dark to bright

20	20	Background green	0-255	The effect background is green for linear dimming from dark to light
21	21	Background blue	0-255	The effect background is blue for linear dimming from dark to bright
22	22	Background white	0-255	The effect background is white for linear dimming from dark to bright
23	23	reset	0-26	not have
			27-76	The lamp head reset is valid for 5s
			77-127	The XY reset for 5s is valid
			128-255	All the reset for 5s is valid
24	24	LED belt dimming	0-255	The light band is linearly dimmed from dark to bright
25	25	LED belt strobe	0-4	light up
			5-250	Synchronous strobe from slow to fast
			251-255	light up
26	26	LED belt Red	0-255	Light with red for linear dimming from dark to bright
27	27	LED belt Green	0-255	Lamp with green linear dimming from dark to bright
28	28	LED belt Blue	0-255	Light blue linear dimming from dark to bright
29	29	LED belt effect	0-51	NF
			52-255	Lamp belt effect (4 number of one effect)
30	30	LED belt effect speed	0-255	The lamp belt effect speed is changed from slow to fast
/	31	R1 LED Dimming	0-255	R1 LED Dimming
	32	G1 LED Dimming	0-255	G1 LED Dimming
	33	B1 LED Dimming	0-255	B1 LED Dimming
	34	W1 LED Dimming	0-255	W1 LED Dimming

	103	R19 LED Dimming	0-255	R19 LED Dimming
	104	G19 LED Dimming	0-255	G19 LED Dimming
	105	B19 LED Dimming	0-255	B19 LED Dimming

	106	W19 LED Dimming	0-255	W19 LED Dimming
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CH 21	CH 35	CH 78	CH 92	CH 97	function	DMX numeric value	description
1	1	1	1	1	Red	0-255	Red for linear dimming from dark to bright
2	2	2	2	2	Red fine	0-255	Red fine tuning
3	3	3	3	3	Green	0-255	Green for linear dimming from dark to bright
4	4	4	4	4	Green fine	0-255	Green fine-tuning
5	5	5	5	5	Blue	0-255	Blue for linear dimming from dark to bright
6	6	6	6	6	Blue fine	0-255	Blue fine-tuning
7	7	7	7	7	White	0-255	White for linear dimming from dark to bright
8	8	8	8	8	White fine	0-255	White fine tuning
9	9	9	9	9	Color temperature regulation	0-255	Linear color temperature regulation
10	10	10	10	10	Color macro	0-255	Built-in color gradient
11	11	11	11	11	strobo	0-3	lighting-off
						4-103	Synchronous strobe speed from slow to fast (1 HZ-25 HZ)
						104-107	light up
						108-207	Equecting strobe speed from slow to fast (1 HZ-25 HZ)
						208-212	light up

						213-225	Low speed random flash
						226-238	Medium speed random flash
						239-251	High-speed random flash
						252-255	light up
12	12	12	12	12	Total dimming	0-255	Linear dimming, from dark to bright
13	13	13	13	13	Total dimming fine-tuning	0-255	Total dimming and fine-tuning control
14	14	14	14	14	X axle	0-255	horizontal control
15	15	15	15	15	X axis fine-tuning	0-255	Horizontal fine-tuning control
16	16	16	16	16	Y axle	0-255	vertical control
17	17	17	17	17	Y axis fine-tuning	0-255	Vertical fine-tuning control
18	18	18	18	18	macro	0-255	obligate
19	19	19	19	19	reset	0-25	NF
						26-76	The lamp head reset is valid for 5s
						77-127	The XY reset for 5s is valid
						128-255	All the reset for 5s is valid
20	20	20	20	20	focus	0-255	focus
21	21	21	21	21	tilting mirror	0-127	0-60 degrees
						128-188	Counterclockwise from fast to slow infinite turn
						189-193	cease
						194-255	Cturn from slow to fast
/	22	/	22	/	Built-in effects (with effect color)	0-7	not have
						8	Static effect 1
						9	Static effect 2

						10	Static effect 3
						11	not have
						12	Static effect 4
						13	Static effect 5
						14	not have
						15	Dynamic effect 1
						16	Dynamic effect 2
						17	Dynamic effect 3
						18	Dynamic effect 4
						19	Monochromatic random
						20	Full color random
						21	Rainbow Effect 1
						22	Rainbow Effect 2
						23	Dynamic effect 5
						24	Dynamic effect 6
						25	Dynamic effect 7
						26	Dynamic effect 8
						27	Dynamic effect 9
						28	Dynamic effect 10
						29	Dynamic effect 11
						30	Dynamic effect 12
						31	Dynamic effects 13
						32	Dynamic effects 14
						33	not have
						34	not have
						35	Dynamic effect 15
						36	Dynamic effects 16
						37	Dynamic effects 17
						38	Dynamic effects 18
						39	Dynamic effects 19
						40	Dynamic effect 20

					41	not have
					42	Dynamic effect 21
					43	not have
					44	Dynamic effect 22
					45	Dynamic effect 23
					46	Dynamic effects 24
					47	Dynamic effect 25
					48	Dynamic effects 26
					49	Dynamic effects 27
					50	Dynamic effect 28
					51	Dynamic effects 29
					52	Dynamic effect 30
					53	Dynamic effects 31
					54	Dynamic effects 32
					55	Dynamic effects 33
					56	Dynamic effects 34
					57	Dynamic effect 35
					58	Dynamic effects 36
					59	Dynamic effects 37
					60	Dynamic effects 38
					61	Random position 1
					62	Random position 2
					63	Random position 3
					64	not have
					65	Random position 4
					66	Random position 5
					67	Dynamic effects 39
					68	Dynamic effect 40
					69	not have
					70	Dynamic effect 41
					71-255	not have

	23		23		Effect speed	0-63	The effect is static
						64-158	Forward from fast to slow
						159-160	static
						161-255	Reverse from slow to fast
	24		24		Effects downplay	0-255	Dynamic effect downplay
	25		25		The effect is red	0-255	Dynamic effect red
	26		26		The effect of green	0-255	Dynamic effect green
	27		27		The effect is blue	0-255	Dynamic effect blue
	28		28		The effect of white	0-255	Dynamic effect white
	29		29		Effect dimming	0-255	Pattern with 0-100% dimming
	30		30		Background dimming	0-255	Background: 0-100% dimming
	31		31		Effect transition	0-255	Pattern change control
	32		32		Effect supplement	0-255	Pattern translation
	33		33		Prospects flash	0-255	Foreground strobe (same as 11 channel)
	34		34		Background flash	0-255	Background strobe (same as 11 channel)
	35		35		background selection	0-255	background selection
	/	22	36	22	R1 LED Dimming	0-255	R1 LED Dimming
		23	37	23	G1 LED Dimming	0-255	G1 LED Dimming
		24	38	24	B1 LED Dimming	0-255	B1 LED Dimming
				25	W1 LED Dimming	0-255	W1 LED Dimming

		25	39	26	R2 LED Dimming	0-255	R1 LED Dimming
		0-255
		76	91	94	R19 LED Dimming	0-255	R19 LED Dimming
		77	90	95	G19 LED Dimming	0-255	G19 LED Dimming
		78	92	96	B19 LED Dimming	0-255	B19 LED Dimming
		/	/	97	W19 LED Dimming	0-255	W19 LED Dimming

CH42	function	DMX numeric value	description
1	red	0-255	Red for linear dimming from dark to bright
2	Red fine tuning	0-255	Red fine tuning
3	green	0-255	Green for linear dimming from dark to bright
4	Green fine-tuning	0-255	Green fine-tuning
5	blue	0-255	Blue for linear dimming from dark to bright
6	Blue fine-tuning	0-255	Blue fine-tuning
7	white	0-255	White for linear dimming from dark to bright
8	White fine tuning	0-255	White fine tuning
9	Color temperature regulation	0-255	Linear color temperature regulation
10	Color macro	0-255	Built-in color gradient
11	stroboflash	0-3	lighting-off
		4-103	Synchronous strobe speed from slow to fast (1 HZ-25 HZ)

		104-107	light up
		108-207	Equecting strobe speed from slow to fast (1 HZ-25 HZ)
		208-212	light up
		213-225	Low speed random flash
		226-238	Medium speed random flash
		239-251	High-speed random flash
		252-255	light up
12	Total dimming	0-255	Linear dimming, from dark to bright
13	Total dimming fine-tuning	0-255	Total dimming and fine-tuning control
14	X axle	0-255	horizontal control
15	X axis fine-tuning	0-255	Horizontal fine-tuning control
16	Y axle	0-255	vertical control
17	Y axis fine-tuning	0-255	Vertical fine-tuning control
18	macro	0-255	obligate
19	reset	0-25	NF
		26-76	The lamp head reset is valid for 5s
		77-127	The XY reset for 5s is valid
		128-255	All the reset for 5s is valid
20	focus	0-255	focus
21	tilting mirror	0-127	0-60 degrees
		128-188	Counterclockwise from fast to slow infinite turn
		189-193	cease
		194-255	Cturn from slow to fast
22	Built-in effects (with effect color)	0-7	not have
		8	Static effect 1
		9	Static effect 2
		10	Static effect 3
		11	not have
		12	Static effect 4

		13	Static effect 5
		14	not have
		15	Dynamic effect 1
		16	Dynamic effect 2
		17	Dynamic effect 3
		18	Dynamic effect 4
		19	Monochromatic random
		20	Full color random
		21	Rainbow Effect 1
		22	Rainbow Effect 2
		23	Dynamic effect 5
		24	Dynamic effect 6
		25	Dynamic effect 7
		26	Dynamic effect 8
		27	Dynamic effect 9
		28	Dynamic effect 10
		29	Dynamic effect 11
		30	Dynamic effect 12
		31	Dynamic effects 13
		32	Dynamic effects 14
		33	not have
		34	not have
		35	Dynamic effect 15
		36	Dynamic effects 16
		37	Dynamic effects 17
		38	Dynamic effects 18
		39	Dynamic effects 19
		40	Dynamic effect 20
		41	not have
		42	Dynamic effect 21
		43	not have

		44	Dynamic effect 22
		45	Dynamic effect 23
		46	Dynamic effects 24
		47	Dynamic effect 25
		48	Dynamic effects 26
		49	Dynamic effects 27
		50	Dynamic effect 28
		51	Dynamic effects 29
		52	Dynamic effect 30
		53	Dynamic effects 31
		54	Dynamic effects 32
		55	Dynamic effects 33
		56	Dynamic effects 34
		57	Dynamic effect 35
		58	Dynamic effects 36
		59	Dynamic effects 37
		60	Dynamic effects 38
		61	Random position 1
		62	Random position 2
		63	Random position 3
		64	not have
		65	Random position 4
		66	Random position 5
		67	Dynamic effects 39
		68	Dynamic effect 40
		69	not have
		70	Dynamic effect 41
		71-255	not have
23	Effect speed	0-63	The effect is static
		64-158	Forward from fast to slow
		159-160	static

		161-255	Reverse from slow to fast
24	Effects downplay	0-255	Dynamic effect downplay
25	The effect is red	0-255	Dynamic effect red
26	The effect of green	0-255	Dynamic effect green
27	The effect is blue	0-255	Dynamic effect blue
28	The effect of white	0-255	Dynamic effect white
29	Effect dimming	0-255	Pattern with 0-100% dimming
30	Background dimming	0-255	Background: 0-100% dimming
31	Effect transition	0-255	Pattern change control
32	Effect supplement	0-255	Pattern translation
33	Prospects flash	0-255	Foreground strobe (same as 11 channel)
34	Background flash	0-255	Background strobe (same as 11 channel)
35	background selection	0-255	background selection
36	LED belt dimming	0-255	The light band is linearly dimmed from dark to bright
37	LED belt strobe	0-4	light up
		5-250	Synchronous strobe from slow to fast
		251-255	light up
38	LED belt Red	0-255	Light with red for linear dimming from dark to bright
39	LED belt Green	0-255	Lamp with green linear dimming from dark to bright
40	LED belt Blue	0-255	Light blue linear dimming from dark to bright
41	Light belt effect	0-51	NF
		52-255	Lamp belt effect (4 number of one effect)
42	Light belt effect speed	0-255	The lamp belt effect speed is changed from slow to fast