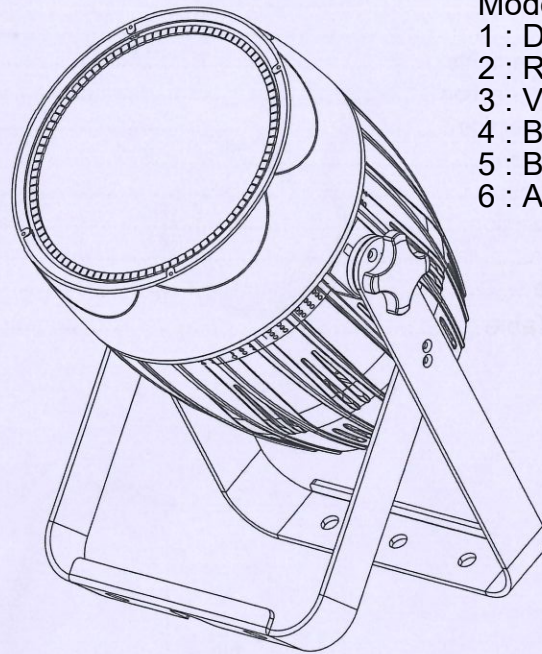# COB+Ring
User Manual

Nouveau mode 6 canaux :

Mode 6Ch
1 : Dimmer
2 : Rouge
3 : Vert
4 : Bleu
5 : Blanc
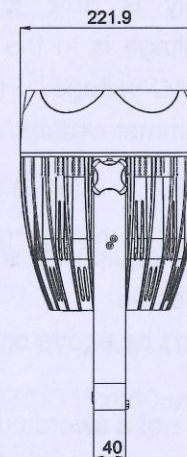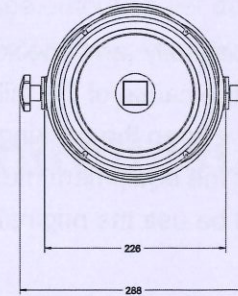6 : Ambre

CE

Menu

Dimensions

All dimensions are in millimeters
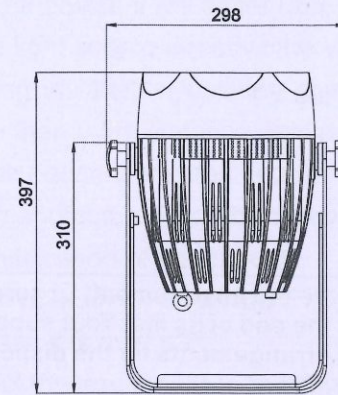
Before Using

What's inside

- Equipment x 1
- Power cable with Plug x 1
- User manual x 1

Open Instruction

Help preserve the environment! Ensure that this product is recycled at the end of its life. Your supplier can give details of local arrangements for the disposal of products.

Please open the equipment carefully ,and check all the spare parts are included or not.If any part of the cause of the failure due to improper transportation or carton,please keep the packing materials and immediately inform the shipper to check.If the equipment must be returned to the factory,the equipment should be use the original carton and packaging.

AC Power Supply

The equipment power supply is able to adapt to the wide input voltage.Please confirm the input voltage is in the scale of rated voltage。The equipment can adapt to100V-240V AC voltage，Frequency50-60HZ。It can not run a rheostat(variable resistor) or dimmer circuits.

Safety Instruction

This product is I level protection equipment,so it is must be connected well and connected by the professional people.

- Make sure the voltage don't be above or below which the user manual rated values.
- Confirm the power cord is not a sword cut or damaged.
- Must be cut off the power supply in the condition of no using or cleaning.

- Only allowed with the power cord plug connection.Please do not force when unplug the power cord to pull the plug.。
- Be careful in the process of installation of equipment. Avoid touching the bare wire,otherwise it will suffer fatal shocks.。
- Don't look the light source directly,otherwise it will hurts the eyes.
- When choosing installation position of equipment and the equipment must be more than 0.5m distance between objects.
- Please use the equipment wires appropriate.
- Without the manufacturer's authorization or laypeople don't remove, repair and modification of equipment.
- The maximum operating temperature is 40℃，don't operate the equipment when it is over 40℃
- Do not connect the equipment to the dimmer equipment
- Under 120V voltage,output power don't series more than 5 pcs

equipment,voltage 230V.Output power don't series more than 10 pcs

Introduction

Specification

- Rated Voltage：AC100V～240V 50-60HZ
- Rated Power: 220W
- LED Qty:200W COB RGBWA
  96x0.2W RGB
- Beam Angle: 50°(Cob)
  120° (0.2W RGB)
- IP Class: IP20
- DMX Mode：5/7-1/7-2/34/149CH
- Packing Size：315x315x450mm
- Net weight：5.2Kg
- Gross weight：6.0Kg

Product features

- Dmx input: 3-pin &5-pin XLR.
- Dmx output: 3-pin &5-pin XLR.
- Power connection: PowerCON input&output.
- 2 kinds of control model: DMX512, Master/slave.
- Setting&Addressing:RDM .
- DMX Function: Dimming,strobe,RGBW,Marco colour,colour jump,colour fade,sound,curve dimming choice,function settings
- Stand-alone mode: Colour jump,Colour fade,Auto program,Sound,Slave, Marco colour,Static colour ,setting.
- Housing:aluminium.
- Housing colour:Black .
- LCD display
- Refresh rate:3000Hz.
- Operation temperature:-20°C～+40°C.
- 5 Kinds of DMX modes: 5/7-1/7-2/34/149CH.　-> Nouveau : 6Ch
- Dimmer mode: 2 kinds.
- Strobe effect:Plus Random、Ramp up Random、Ramp down Random、Random strobe、Strobe Break Effect,5s......1s、Strobe 0-20Hz.
- Cooling system:Convection.
- Certficate:CE,Rohs

Product Introduction
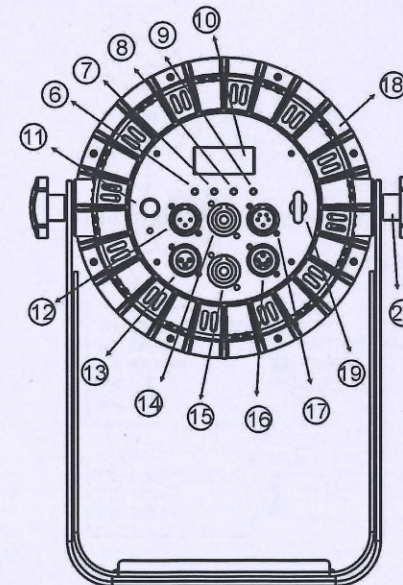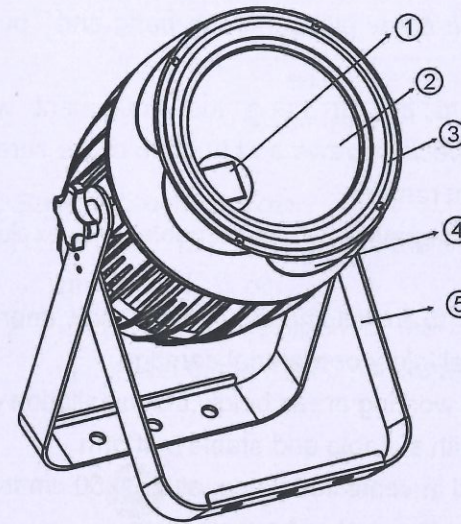
① LED
② Lens
③ Ring LED
④ Front Cover
⑤ Handle
⑥ MENU
⑦ UP-botton
⑧ DOWN
⑨ ENTER
⑩ LCD display
⑪ Fuse
⑫ 3Pin DMX IN
⑬ 3Pin DMX OUT
⑭ Power IN
⑮ Power OUT
⑯ 5Pin DMX OUT
⑰ 5Pin DMX IN
⑱ Back Cover
⑲ Safety eye bolt
⑳ Handle Screws

Installation

Installation Requirements

- This equipment can be used in many places, it can hang and put on the ground。
- Choosing a suitable place to put or hang the equipment when installation.Must be use the special screws and hook to make sure the lamp's weight is in the weight range。
- When installing the equipment,ensure no inflammable and explosive goods at 0.5 meter distance.
- Please ask the professionals to install the equipment, any improper installation will cause personal injury or material damage.
- To prevent others entering the working areas below,the installation or maintenance of equipment with suitable and stable platform
- The equipment must be placed in ventilated place, at least 50 cm from the ground,please ensure that the vent without clogging.
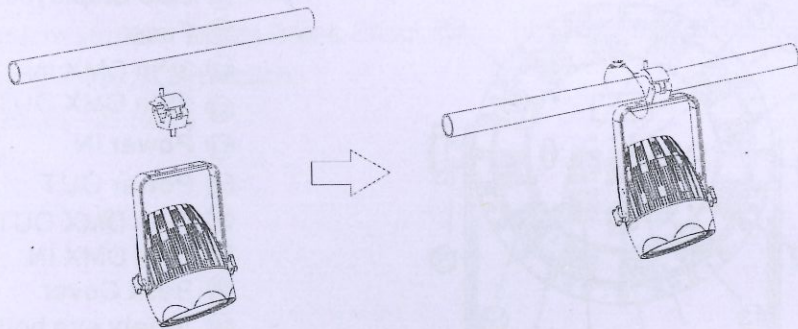
Power supply connection

The equipment can be used in the wide voltage input。 Please make sure the voltage is the scale of rated voltage when connecting the power.The equipment can adapt to 100V to 240 V AC voltage and 50-60 Hz.

s	Connection	Pin
Brown	AC Live	1
Blue	AC Neutral	2
Green/Yellow	AC Ground	3

DMX Signal Connection

1. Use DMX512 controller, use the DMX signal（male ）to plug into the first light(female）3 pin。
2. Put out of the equipment of the first signal wire(head),connected to the equipment of the next 3 pin plug(female),so on.See belowed pictures.

DMX out

DMX in

1 = GND
2 = SIG (-)
3 = SIG (+)

terminator

120Ω
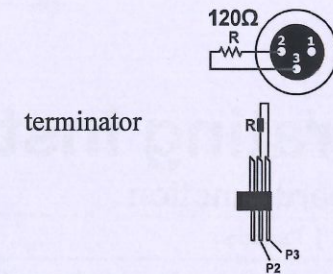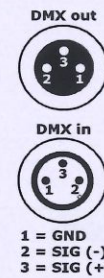
How to turn the controller line from 3-pins into 5-pins (plug and socket).

P1: GND (SCREEN)
P2: SIG (-)
P3: SIG (+)
P4: N/C
P5: N/C

P1: GND (SCREEN)
P2: SIG (-)
P3: SIG (+)

P1: GND (SCREEN)
P2: SIG (-)
P3: SIG (+)

P1: GND (SCREEN)
P2: SIG (-)
P3: SIG (+)
P4: N/C
P5: N/C

DMX Address setting

DMX512 ⇒
DMX-controller

| addresse01 | addresse11 | addresse21 |
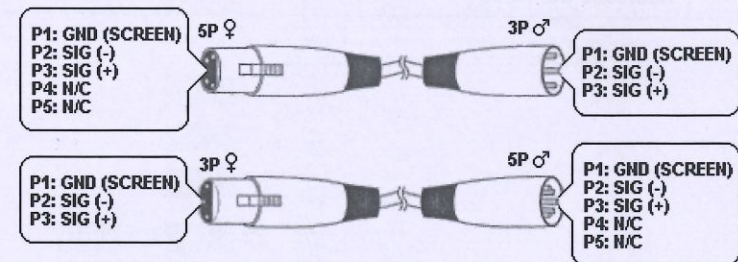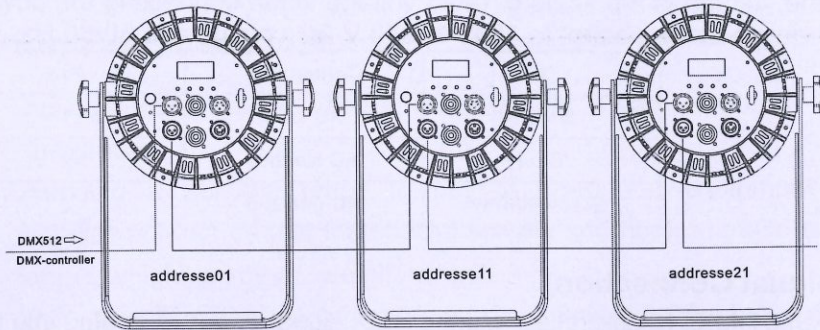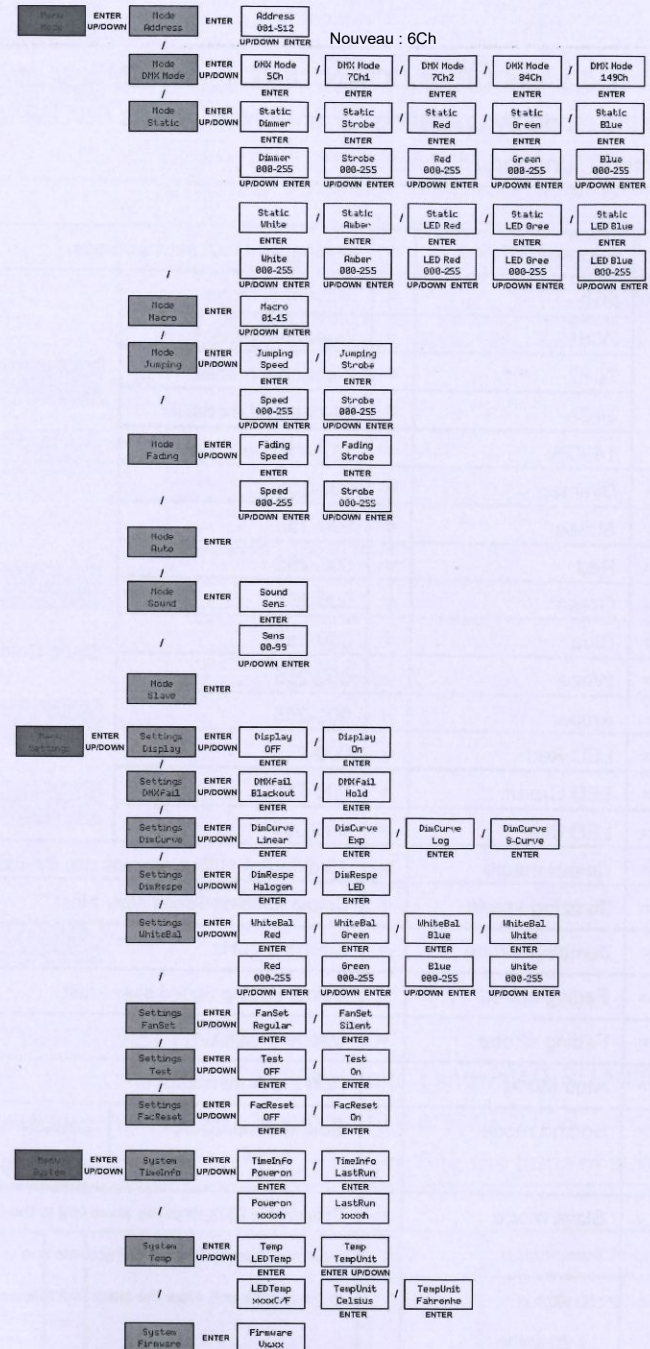
Operating Instruction

Control board function

Button	Function
Mode	Choose mode or function exit
ENTER	Current show menu or enter into the current selected function
UP	Increase the value
DOWN	Decrease the value

Menu Map

Nouveau : 6Ch

Operation Mode：

MENU MODE

Operate MODE，then press UP or DOWN，until it shows"MENU MODE"， press ENTER，choose the mode by operating UP or DOWN，press ENTER to active（See the table of sub-menu function）

MENU MODE						
Mode Address	=	Address 001-512	=	Setting the DMX start address		
DMX Mode 6 Ch = 6 channels	=	5Ch	=	5-channel mode	DMX operating modes	
		7Ch1	=	7-channel mode1		
		7Ch2	=	7-channel mode2		
		34Ch	=	34-channel mode		
		149CH	=	149-channel mode		
Mode Staic	=	Dimmer	=	000-255	Static Colour settings	
	=	Strobe	=	000-255		
	=	Red	=	000-255		
	=	Green	=	000-255		
	=	Blue	=	000-255		
	=	White	=	000-255		
	=	Amber	=	000-255		
	=	LED Red	=	000-255		
	=	LED Green	=	000-255		
	=	LED Blue	=	000-255		
Mode Macro	=	Colour macro	=	15 different colour macros are available as presets		
Mode Jumping	=	Jumping speed	=	Colour jumping Speed slow->fast		
	=	Jumping strobe	=	Strobe 0-20Hz		
Mode Fading	=	Fading speed	=	Colour Fading Speed slow->fast		
	=	Fading strobe	=	Strobe 0-20Hz		
Made Auto	=	Atuo Mode	=	Run the Auto mode		
Mode Sound	=	Soumd mode	=	Sound sens:00-99	Sound mode,adjustable sensitivity00-99	
Mode Slave	=	Slave mode	=	Connect the DMX IN of the slave unit to the DMX OUT of the master unit(same model) and activate one of the standalone modes in the master unit. Now the slave unit follows the master unit.		
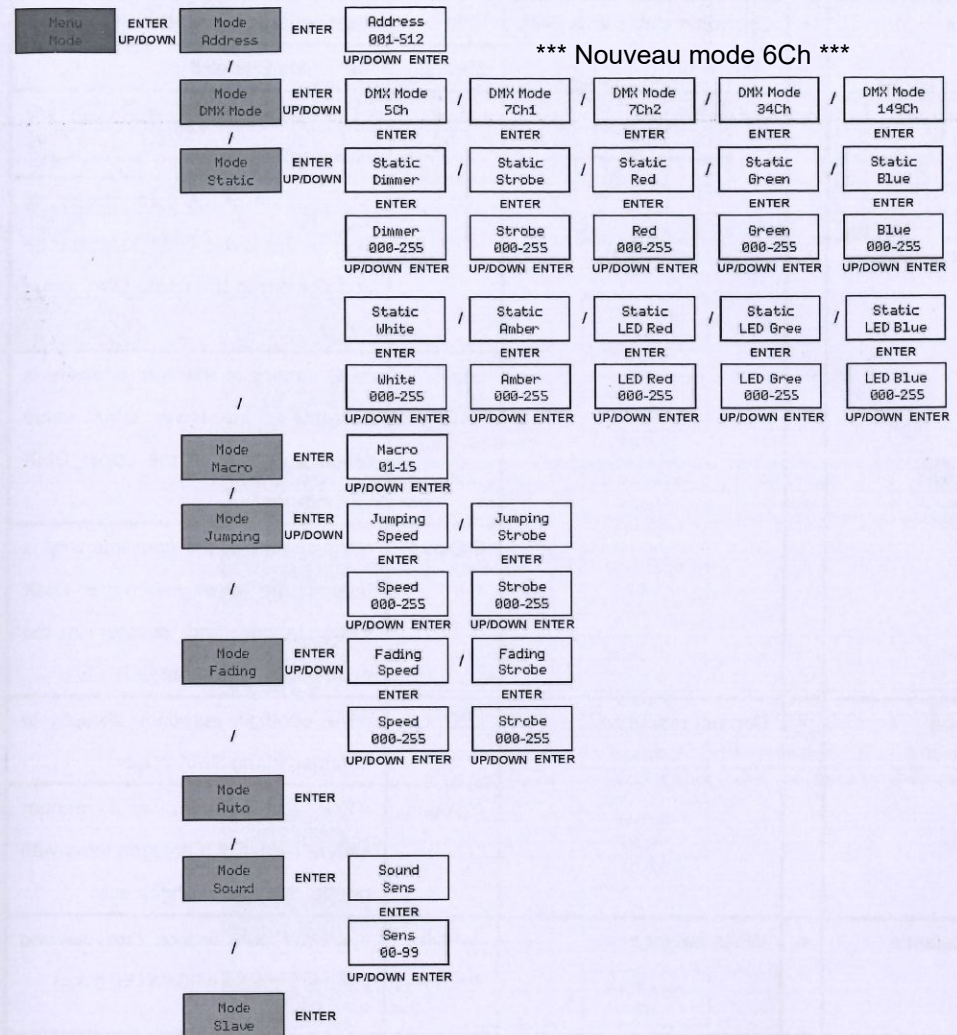
*** Nouveau mode 6Ch ***

SYSTEM SETTINGS(SETTINGS)

Operate MODE，then press UP or DOWN，until it shows"MENU MODE"，then press UP or DOWN，until it shows"Menu Settings"then press ENTER，choose the mode by operating UP or DOWN，press ENTER to active（See the table of sub-menu function）

setting					
Display	=	Display lighting		ON	=permanently on
				OFF	=deactivation after approx.30 seconds of inactivity

DMX Fail	=	Operation status with DMX signal interruption	Hold	=last command is held
			Blackout	=activates Blackout
Dimmer Curve	=	Dimmer Curve	Linear	=The light intensity increases linearly with the DMX value
			Exp	=Adjustment of the light intensity is finer in the lower DMX value range and coarser in the upper DMX value range
			Log	=Adjustment of the light intensity is coarser in the lower DMX value range and finer in the upper DMX value range
			S Curve	=Adjustment of the light intensity is finer in the lower and upper DMX value ranges and coaster in the middle DMX value range
DimRespe	=	Dimmer response	LED	=The spotlight responds abruptly to changes in the DMX value
			Halogen	=The spot behaves in a manner similar to that of a halogen lamp with gentle changes in brightness
White Balance	=	White balance	Red,Green, Blue,White	=Individual white balance. Cross-operating mode setting of the 4 RGBW LED groups
Fan Set	=	Fan speed	Regular	=Maximum brightenss at normal fan function
			Silent	=If necessary,reduced brightness with silent fan
Test	=	Function test	OFF	=stops the function test
			ON	=step-by-step function test of LEDs
Factory Reset	=	Reset to factory set	OFF	=do not perform reset
			ON	= Reset to factory setting

DIMMER CURVES
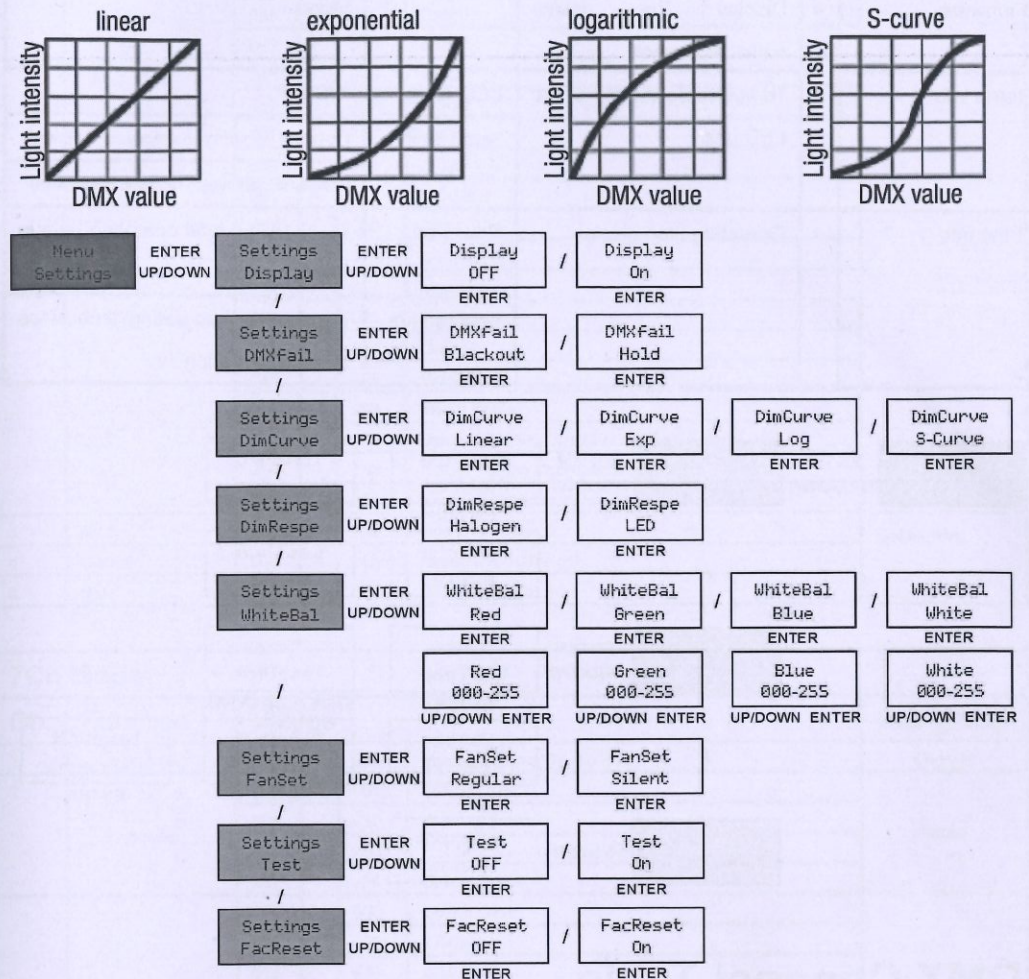
DEVICE INFORMATION(System Info)
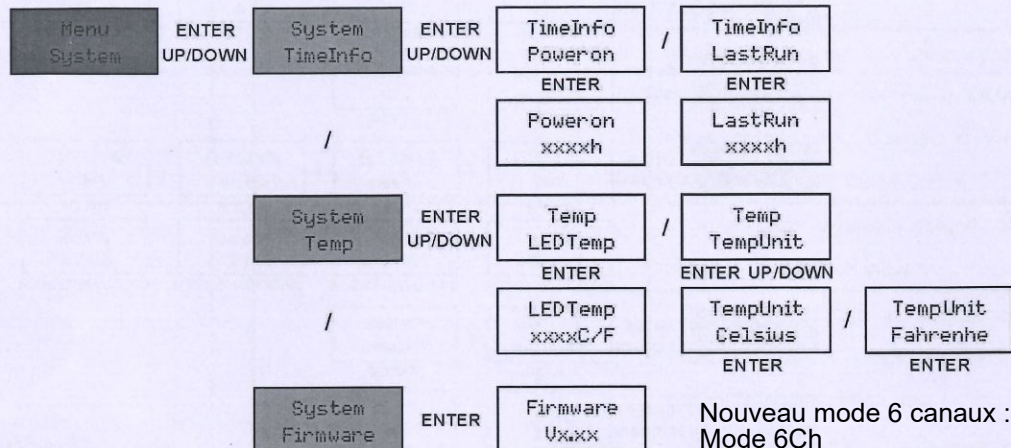
Operate MODE to get system info，then press UPDOWN，until it shows"MENU MODE"，then press UP or DOWN，when it shows"Menu System" operate ENTER，choose the mode by operating UP or DOWN，press ENTER,it will show relevant information（See the table of sub-menu function）

System Info

Firmware	=	Display the device software version		Vxxx
Temp info	=	Temperature display of the LED unit	LED Temp	xxC/xxF
			Temp Unit	Celsius(=display in degrees Celsius)
				Fahrenhe(=display in degrees Fahrenhet)
Time info	=	Operating time display	Power on	Displays the tatal operating time in hours
			Last run hrs	Displays the operating time since the last operation

```
Menu      ENTER      System      ENTER      TimeInfo    /    TimeInfo
System    UP/DOWN    TimeInfo    UP/DOWN    Poweron           LastRun
                                           ENTER             ENTER
              /                   Poweron          LastRun
                                  xxxxh            xxxxh

          System    ENTER      Temp        /    Temp
          Temp      UP/DOWN    LEDTemp           TempUnit
                                ENTER            ENTER UP/DOWN
              /                 LEDTemp          TempUnit    /    TempUnit
                                xxxxC/F          Celsius          Fahrenhe
                                                 ENTER            ENTER

          System    ENTER      Firmware
          Firmware             Vx.xx
```

Nouveau mode 6 canaux :
Mode 6Ch
1 : Dimmer
2 : Rouge
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5 : Blanc
6 : Ambre

DMX Channel Table

5Ch Mode

Ch.	Function	Values			Sub-group
1	Dimmer	000	-	255	Master Dimmer 0%-100%	Dimmer
2	Colour Macro (override RGBW)	000	-	005	Colour OFF	Colour Temperature& Colour Macro
		006	-	009	2700K	
		010	-	013	3200K	
		014	-	017	4200K	
		018	-	021	5600K	
		022	-	025	6500K	
		026	-	029	7500K	

		030	-	033	9000K	
		034	-	037	Red	
		038	-	041	Green	
		042	-	045	Blue	
		046	-	049	White	
		050	-	053	Amber	
		054	-	057	Yellow	
		058	-	061	Cyan	
		062	-	065	Lavender	
		066	-	069	Pink	
		070	-	073	Light Green	
		074	-	077	Magenta	
		078	-	081	Turquoise	
		082	-	085	Orange	
		086	-	089	Cold White	
		090	-	093	Warm White	
		094	-	163	Colour Jumping Speed slow->fast/Colour1->12	
		164	-	233	Colour Fading Speed slow->fast/Colour1->12	
		234	-	255	Music control(microphone sensitivit)	Sound
3	Red	000	-	255	Red 0%-100%	Colour Ring
4	Green	000	-	255	Green 0%-100%	
5	Blue	000	-	255	Blue 0%-100%	

7Ch Mode1

Ch.	Function	Values				Sub-group
1	Dimmer	000	-	255	Master Dimmer 0%-100%	Dimmer
2	Strobe	000	-	005	Strobe Open	Strobe
		006	-	010	Strobe Close	
		011	-	250	Strobe slow->fast<1Hz-20Hz	
		251	-	255	Strobe Open	
3	Colour Macro (override RGBW)	000	-	005	Colour OFF	Colour Temperature&Colour Macro
		006	-	009	2700K	
		010	-	013	3200K	
		014	-	017	4200K	
		018	-	021	5600K	
		022	-	025	6500K	
		026	-	029	7500K	
		030	-	033	9000K	
		034	-	037	Red	
		038	-	041	Green	
		042	-	045	Blue	
		046	-	049	White	
		050	-	053	Amber	
		054	-	057	Yellow	
		058	-	061	Cyan	
		062	-	065	Lavender	

		066	-	069	Pink	
		070	-	073	Light Green	
		074	-	077	Magenta	
		078	-	081	Turquoise	
		082	-	085	Orange	
		086	-	089	Cold White	
		090	-	093	Warm White	
		094	-	163	Colour Jumping Speed slow->fast/Colour1->12	
		164	-	233	Colour Fading Speed slow->fast/Colour1->12	
		234	-	255	Music control(microphone sensitivit)	Sound
4	Red	000	-	255	Red 0%-100%	
5	Green	000	-	255	Green 0%-100%	Colour Ring
6	Blue	000	-	255	Blue 0%-100%	
7	Strobe	000	-	005	Strobe Open	Strobe Colour Ring
		000	-	255	Strobe slow->fast<1Hz-20Hz	

7Ch Mode2

Ch.	Function	Values				Sub-group
1	Red	000	-	255	Red 0%-100%	Red
2	Green	000	-	255	Green 0%-100%	Green
3	Blue	000	-	255	Blue 0%-100%	Blue
4	Red	000	-	255	Red 0%-100%	
5	Green	000	-	255	Green 0%-100%	Colour Ring
6	Blue	000	-	255	Blue 0%-100%	
7	Strobe	000	-	005	Strobe Open	Strobe Colour Ring
		006	-	255	Strobe slow->fast<1Hz-20Hz	

34Ch mode

Ch.	Function	Values				Sub-group
1	Dimmer	000	-	255	0%-100%	Dimmer
		000	-	005	Strobe open	Green
		006	-	010	Strobe closed	
		011	-	033	Plus Random, slow->fast	
		034	-	056	Ramp up Random, slow -> fast	
2	Strobe functions	057	-	079	Ramp down Random, slow -> fast	Multifunctional-strobe
		080	-	102	Random Strobe Effect, slow -> fast	
		103	-	127	Strobe Break Effect, 5s.....1s (Short burst with break)	
		128	-	250	Strobe slow -> fast <1Hz - 20Hz	
		251	-	255	Strobe open	
3	Red	000	-	255	Red 0%-100%	Red
4	Green	000	-	255	Green 0%-100%	Green
5	Blue	000	-	255	Blue 0%-100%	Blue
6	White	000	-	255	White 0%-100%	White
7	Amber	000	-	255	Amber 0%-100%	Amber
8	Colour Macro	000	-	005	Colour OFF	

(override RGBW)		006	-	009	2700K	Colour Temperature&Colour Macro
		010	-	013	3200K	
		014	-	017	4200K	
		018	-	021	5600K	
		022	-	025	6500K	
		026	-	029	7500K	
		030	-	033	9000K	
		034	-	037	Red	
		038	-	041	Green	
		042	-	045	Blue	
		046	-	049	White	
		050	-	053	Amber	
		054	-	057	Yellow	
		058	-	061	Cyan	
		062	-	065	Lavender	
		066	-	069	Pink	
		070	-	073	Light Green	
		074	-	077	Magenta	
		078	-	081	Turquoise	
		082	-	085	Orange	
		086	-	089	Cold White	
		090	-	093	Warm White	
		094	-	163	Colour Jumping Speed slow->fast/Colour1->12	
		164	-	233	Colour Fading Speed slow->fast/Colour1->12	
		234	-	255	Music control(microphone sensitivit)	Sound
9	Dimmer Curve	000	-	005	No function	Set dimmer curve
		006	-	063	Linear Dimmer Curve	
		064	-	127	Exponential Dimmer Curve	
		128	-	191	Logarithmic Dimmer Curve	
		192	-	255	S-Curve Dimmer Curve	
10	Device settings	000	-	005	No Function	Device settings
		006	-	063	Dimmer Response LED (Hold 3s)	
		064	-	127	Dimmer Response Halogen(Hold 5s)	
		128	-	191	Set Fan Regular Mode(Hold 3s)	
		192	-	255	Set Fan Silent Mode(Hold 5s)	
Layer1						
11	Dimmer	000	-	255	Dimmer Colour Ring 0%-100%	Dimmer Ring
12	Red1	000	-	255	Red 1 - Background or 2nd FX colour 0%-100%	
13	Green1	000	-	255	Green 1 - Background or 2nd FX colour 0%-100%	
14	Blue1	000	-	255	Blue 1 - Background or 2nd FX colour 0%-100%	
15	Red1	000	-	255	Red 2 - Main FX colour 0%-100%	Colour Ring
16	Green1	000	-	255	Green 2 - Main FX colour 0%-100%	
17	Blue1	000	-	255	Blue 2 - Main FX colour 0%-100%	
18	FX Select					FX Select
	See table below	000	-	255		
19	Rotate					Rotation
	Forwards Rotation	001	-	127	Forwards Rotation (fast -> slow)	

	Pause rotate		128		Pause rotate	
	Backwards Rotation	129	-	255	Backwards Rotation (slow -> fast)	
20	**Multiple**					**Multiple**
	No Function	000	-	063	No Function	
	x2	064	-	127	The pixels of the effect multiplied 2 times	
	x4	128	-	195	The pixels of the effect multiplied 4 times	
	X8	196	-	255	The pixels of the effect multiplied 8 times	
21	**Direction**					**Direction**
	Forwards	000	-	063	Forwards	
	Reverse	064	-	127	Reverse	
	Mirror Out	128	-	191	Mirror Out	
	Mirror In	192	-	255	Mirror In	
22	**Rotate offset**					Rotate offset
	Rotate offset	000	-	255	Offsets start point of rotating effects over each port	
			Layer2			
23	Dimmer	000	-	255	Dimmer Colour Ring 0%-100%	Dimmer Ring
24	Red1	000	-	255	Red 1 - Background or 2nd FX colour 0%-100%	
25	Green1	000	-	255	Green 1 - Background or 2nd FX colour 0%-100%	
26	Blue1	000	-	255	Blue 1 - Background or 2nd FX colour 0%-100%	Colour Ring
27	Red1	000	-	255	Red 2 - Main FX colour 0%-100%	
28	Green1	000	-	255	Green 2 - Main FX colour 0%-100%	
29	Blue1	000	-	255	Blue 2 - Main FX colour 0%-100%	
30	**FX Select**					FX Select
	See table below	000	-	255		
31	**Rotate**					Rotation
	Forwards Rotation	001	-	127	Forwards Rotation (fast -> slow)	
	Pause rotate		128		Pause rotate	
	Backwards Rotation	129	-	255	Backwards Rotation (slow -> fast)	
32	**Multiple**					**Multiple**
	No Function	000	-	063	No Function	
	x2	064	-	127	The pixels of the effect multiplied 2 times	
	x4	128	-	195	The pixels of the effect multiplied 4 times	
	X8	196	-	255	The pixels of the effect multiplied 8 times	
33	**Direction**					**Direction**
	Forwards	000	-	063	Forwards	
	Reverse	064	-	127	Reverse	
	Mirror Out	128	-	191	Mirror Out	
	Mirror In	192	-	255	Mirror In	
34	**Rotate offset**					Rotate offset
	Rotate offset	000	-	255	Offsets start point of rotating effects over each port	

FX Select

DMX Value	Function	Type of control
	One colour Paparazzi-Snap	step
000	Off	step
001	Example Effect	step
002	Slow- low density	step
003	Slow - medium density	step
004	Slow - high density	step
005	Slow - linear	step
006	Medium - low density	step
007	Medium - medium density	step
008	Medium - high density	step
009	Medium - linear	step
010	Fast - low density	step
011	Fast- medium density	step
012	Fast - high density	step
013	Fast - linear	step
	One colour Paparazzi-Fade	step
014	Example Effect	step
015	Slow- low density	step
016	Slow - medium density	step
017	Slow - high density	step
018	Slow - linear	step
019	Medium - low density	step
020	Medium - medium density	step
021	Medium - high density	step
022	Medium - linear	step
023	Fast - low density	step
024	Fast- medium density	step
025	Fast - high density	step
026	Fast - linear	step
	Two colour Paparazzi-Snap	step
027	Example Effect	step
028	Slow- low density	step
029	Slow - medium density	step
030	Slow - high density	step
031	Slow - linear	step
032	Medium - low density	step
033	Medium - medium density	step
034	Medium - high density	step
035	Medium - linear	step
036	Fast - low density	step
037	Fast- medium density	step
038	Fast - high density	step
039	Fast - linear	step
	Two colour Paparazzi-Fade	step
040	Example Effect	step
041	Slow- low density	step
042	Slow - medium density	step
043	Slow - high density	step
044	Slow - linear	step
045	Medium - low density	step
046	Medium - medium density	step

047	Medium - high density	step
048	Medium - linear	step
049	Fast - low density	step
050	Fast- medium density	step
051	Fast - high density	step
052	Fast - linear	step
	Trace 1-Uniform Decay	step
053	Example Effect	step
054	Slow - short tail	step
055	Slow - medium tail	step
056	Slow- long tail	step
057	Medium -short tail	step
058	Medium - medium tail	step
059	Medium - long tail	step
060	Fast - short tail	step
061	Fast - medium tail	step
062	Fast - long tail	step
	Trace 2-Uniform Decay (colour mix with base)	step
063	Example Effect	
064	Slow - short tail	step
065	Slow - medium tail	step
066	Slow- long tail	step
067	Medium -short tail	step
068	Medium - medium tail	step
069	Medium - long tail	step
070	Fast - short tail	step
071	Fast - medium tail	step
072	Fast - long tail	step
	Trace 3-Uniform Colour	step
073	Example Effect	step
074	Slow - short tail	step
075	Slow - medium tail	step
076	Slow- long tail	step
077	Medium -short tail	step
078	Medium - medium tail	step
079	Medium - long tail	step
080	Fast - short tail	step
081	Fast - medium tail	step
082	Fast - long tail	step
	Trace 4-Uniform Colour (colour mix with base)	step
083	Example Effect	step
084	Slow - short tail	step
085	Slow - medium tail	step
086	Slow- long tail	step
087	Medium -short tail	step
088	Medium - medium tail	step
089	Medium - long tail	step

090	Fast - short tail	step
091	Fast - medium tail	step
092	Fast - long tail	step
	Jockey	step
093	Example Effect	step
094	Smallest	step
095	..	step
096	..	step
097	..	step
098	..	step
099	..	step
100	..	step
101	..	step
102	Biggest	step
	Checkers	step
103	Exam pie effects	step
104	l/2's	step
105	1/4's	step
106	1/8's	step
107	1/16's	step
108	1/32's	step
109	1/64's	step
110	Rotating 1/4's	step
111	Rotating 1/16's	step
112	Rotating 1/32's	step
	Colour Merge	step
113	Example Effect	step
114	Full	step
115	Three Quarter	step
116	Half	step
117	Quarter	step
	Colour Wave	step
118	Example Effect	step
119	V. Small	step
120	Small	step
121	Medium	step
122	Large	step
	Colour Wave (colour Mix)	step
123	Example Effect	step
124	V. Small	step
125	Small	step
126	Medium	step
127	Large	step
	Sweep	step
128	Example Effect	step
129	V. Slow	step
130	Slow	step

131	Medium		step
132	Fast		step
	Sweep Random		step
133	V. Slow		step
134	Slow		step
135	Medium		step
136	Fast		step
137-255	Reserved		

149Ch Mode

Ch.	Function	Values				Sub-group
1	Red	000	-	255	Red 0%-100%	Red
2	Green	000	-	255	Green 0%-100%	Green
3	Blue	000	-	255	Blue 0%-100%	Blue
4	White	000	-	255	White 0%-100%	White
5	Amber	000	-	255	Amber 0%-100%	Amber
6	Red pixel 1	000	-	255	Red pixel 1 0-100%	
7	Green pixel	000	-	255	Green pixel 1 0-100%	
8	Blue pixel 1	000	-	255	Blue pixel 1 0-100%	
:	:	:	:	:	:	Colour Ring
:	:	:	:	:	:	
:	:	:	:		:	
147	Red pixel 48	000	-	255	Red pixel 48 0-100%	
148	Green pixel 48	000	-	255	Green pixel48 0-100%	
149	Blue pixel 48	000	-	255	Blue pixel48 0-100%	