User Manual

GAMMA
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ROSE XT 350
RGBAL

Please read it carefully

Index

1. Before you work

Please read the instructions carefully which includes important information about the installation, operation and maintenance.

1.1 Packing instructions :

When you get this product, please take it from carton carefully to make sure whether all the accessories are in and damaged or not. When you find that there are any parts or wrong sign with the carton, or non-operation, please inform us and to keep the carton and shipping bill completely.

1.2 AC Power:

Please check the manual before you operate the light. The rating current of the light listed which shows the average current-consume under the normal circumstances.

All the lights must be offered shoot-through circuit, it could not be connected dimmer circuit, although the dimmer channels are completely for 1-100% switch.

Before the light's working, please confirm the correct voltage.

1.3 Safety instruction:

Please confirm the same voltage to the light.

Please confirm there is no flammable material around the ligt.

The light must be set up the ventilating place. The distance is ≥51cm around approach material. To check the air passage is ok at any time.

The Maximum temperature is ≤40℃(104℉).

When the lights has problems, please stop to use to contact the supplier. Don't repair it by yourself!

Don't connect by a dimmer.

To confirm the power wire is straight and non-damaged. Don't pull it directly.

Don't look at the bulb when the light is working to avoid any hurt.

Installation:

The light fixture should be bolted to the quick-lock hook. To ensure that the installation is firmly, in order to prevent vibration and slip during operation. Also make sure that the structure attached to the light fixture can support 10 times the weight of it. At the same time, a safety line is used to support 12 times the weight of the light fixture.

The installation of the light fixture should be carried out by professionals, and should be installed in places that are not accessible to people or where no one will casually pass by.

2.Specification

O PT ICAL

- Light Source: 500W RGBLA 5in1 COB LEDs, 50,000 hours life expectancy
- Color Temperature (range): 2200K to 8500 K
- CRI (average): ≥90
- CQS and TLCI (average):≥96
- Zoom Angle: 15° to 55°
- Selectable PWM: 2000Hz - 25000Hz,

DYNAMIC EFFECTS

- Dimmer mode: 8 & 16 bits
- Shutter/Strobe: Electronic
- Zoom: motorized
- Strobe Rate: 0 to 30 Hz
- Dim Modes: 4 kinds

CONT ROL

- Control Protocol: DMX, RDM
- DMX Channels: 9/13 CH

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- Input Voltage: 100 to 240 VAC, 50/60 Hz
- Power consumption: 350W（full output)

CONSTRUCTION / PHYSICAL

- Dimensions: 481x 324 x 444 mm
- Packing measurement: 64*41*39cm, 1pcs per CTN

- Net Weight: 9.6 kgs
- Exterior Color: Black+gray
- Housing Material: Aluminum alloy, Aluminum die-cast
- IP Rating: IP20
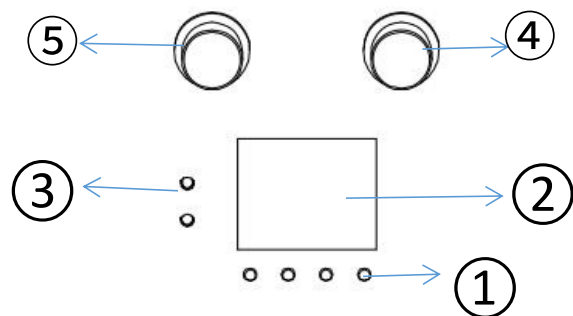- Cooling: PWM silent operate fan

CONNEC T IONS
- Power Connectors: powerCON in/out
- Data Connectors: 3- or 5-pin XLR in/out
- Cable Length (power): 1.5 m
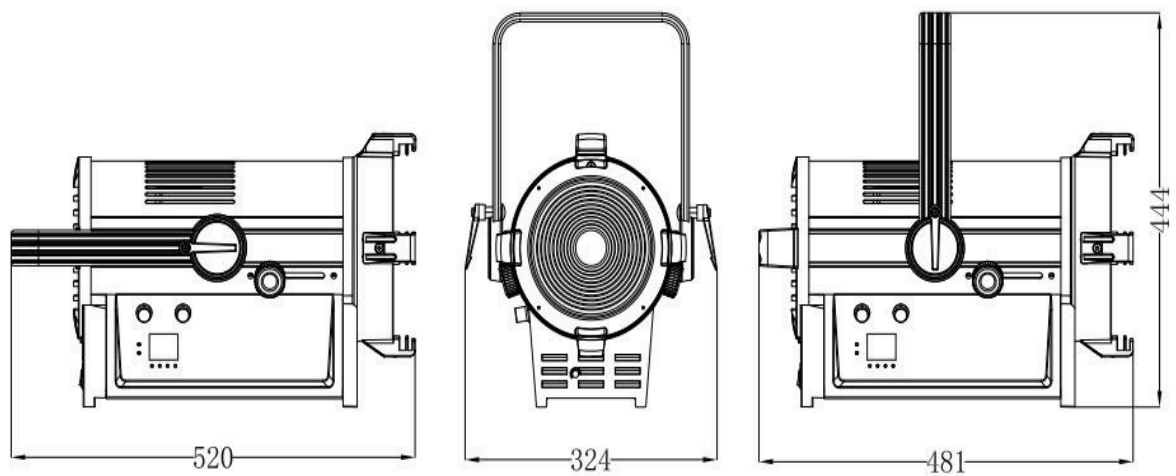
3.How to set the unit

Control menu

①Button:

MENU	Go to menu selection
DOWN	Go to the next option
UP	Go back to the previous option
ENTER	Confirm the selected function

②Touch screen: LCD 1.77 TFT display　various function menus

③LED：

POWER	on	Power indicate
DMX	on	currently DMX signal input

④Dimming knob: Dimming function/press to return menu

⑤Color temperature knob: Color temperature function/press to enter the main menu

4.How to control the unit

Turn on the light fixture, press the MENU button to enter the MENU mode, use the knob to find the menu, when the preset menu is displayed on the display screen, press the menu button to confirm, use the knob to select the sub menu, press the knob to save the settings or automatically return to the upper menu.

The main functions are as followings：

Main menu	sub menu	Tertiary menu	Default value
CCT	CCT	2200K-8500K	2200K
	Dim	0-100%	100%
	zoom	000-255	000
sRGB (Color gamut)	X	X:00	00
	Y	Y:00	00
	F	F:000	000
	L	L:000	100
root	PIN	- - - - - -	
	R current	020--255	180

	G current	020--255	210
	B current	020--255	165
	L current	020--255	150
	A current	020--255	180
	temperature	40--80	55
	Zoom speed	000-050	25
	Zoom correction	000-255	128
	Zoom intensity	000-010	008
	Zoom movement	000-255	180
	push	Yes/No	No
	Change PIN		
LE (light effect)	WB (White balance)	R:000-255	R:128
		G:000-255	G:128
		B:000-255	B:128
		L:000-255	L:128
		A:000-255	A:128
		D:000-100	D:100
		F:000-255	F:000
	marco	color	RGBLA
		Effect: PJ/GI/PT (Jump/Gradient/Pulsation)	PJ
		Speed0-100%	50%
		Dim0-100%	100%
DMX	add	Add 001	001
	CH	9CH/13CH	13CH
setting	SG	clear	clear
		keep	
	SS (display)	On/off	on
	language	中文/ENGLISH	ENGLISH
	Bkgrd(Display background)	R	065
		G	105
		B	230
	DC (Dimming curve)	linear	linear
		Square	
		inverse square	
		S-curve	
	DF (Dimming frequency)	2-25K	14K
	Dim mode	stage	stage
		theater	
		meeting	

		controllable	controllable
	FC (Fan mode)	long turn	
	RES (factory reset)	Yes/No	NO
	lock	Yes/No	Yes
	Turn (Display reverse)	Yes/No	No

DMX setting

Select DMX Settings, press the MENU knob to enter Menu mode, and use the knob to select: DMX Address or Channel mode.

DMX address

Select the DMX address and press the MENU button to enter. Use the knob to adjust the DMX address (1~512). Once the desired DMX address is selected, press the MENU knob to save.
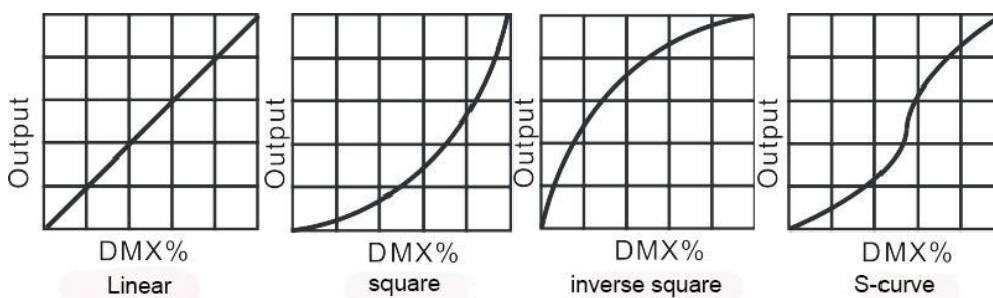
Channel mode

Select Channel mode and press the MENU button to enter. Use the knob to select: 9CH/13CH

Dimming curve

Select the dimming curve and press the MENU knob to enter. Use the knob to select:

linear, square, inverse square, or S-curve.

Curve details check below:

| Linear | square | inverse square | S-curve |

Mode 1 (linear) : With the increase of DMX value, the increase of light intensity

tends to be linear:

Mode 2 (square rate) : The lines are finer when the light intensity is controlled at

a low value.

The line is thicker when the value is high:

Mode 3 (inverse square rate) : The lines are thicker when the light intensity is controlled at a low value.

In the high value of the line is thinner:

Mode 4 (S-curve) : The light intensity is controlled at low and high values with fine lines, and at intermediate values with thick lines.

DMX address setting

When using a universal DMX controller to control a light fixture, you need to set the starting address (1-512) for the light so that the light can receive the DMX signal.
Press the MENU knob to enter MENU mode, select DMX settings, MENU knob to confirm, select DMX address, MENU knob to confirm, the current address will be displayed on the display screen, and then use the Menu knob to select the address code (1-512).

Please refer to the chart below to set the address of the first 4 fixtures:

| 6 CHANNEL |
| 8 CHANNEL |
| 10 CHANNEL |
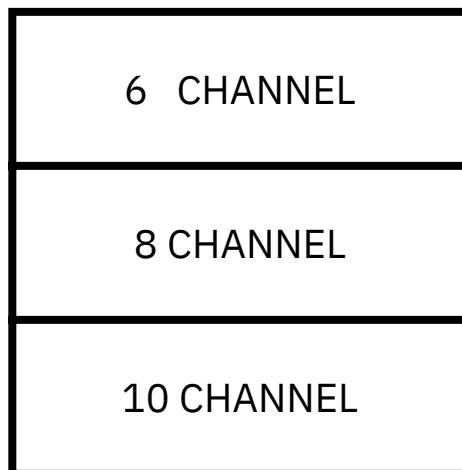
DMX512 channel:

6 CHANNEL	
CHANNEL	FUNCTION
1	Red
2	Green
3	Blue
4	Amber
5	Lime
6	Zoom

8 CHANNEL	
CHANNEL	FUNCTION
1	Intensity
2	Strobe
3	Red
4	Green
5	Blue
6	Amber
7	Lime
8	Zoom

10 CHANNEL	
CHANNEL	FUNCTION
1	Intensity
2	Strobe
3	Red
4	Green
5	Blue
6	Amber
7	Lime
8	CTC
9	Color
10	Zoom

5.Troubleshooting:

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

• Thefixturedoesnotwork,nolight

1. hecktheconnectionofpowerandmainfuse.
2. Measurethemainsvoltageonthemainconnector.
• NotrespondingtoDMXcontroller

1. DMXLEDshouldbeon.Ifnot,checkDMXconnectors,cablestoseeiflinkproperly.

2. IftheDMXLEDisonandnoresponsetothechannel,checktheaddresssettingsand
DMX polarity.

3. IfyouhaveintermittentDMXsignalproblems,checkthepinsonconnectorsoronPCBof
the fixture or the previous one.

4. TrytouseanotherDMXcontroller.

5. CheckiftheDMXcablesrunnearorrunalongsidetohighvoltagecablesthatmaycause
damage or interference to DMX interface circuit.
• Channel is faulty
1. The stepper motor or motor lead may be damaged.
2. The drive circuit of the motor may be damaged

6.Fixture cleaning:

The cleaning of internal 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 fixture's optics.

 Cleanwithsoftclothusingnormalglasscleaningfluid.

 Alwaysdrythepartscarefully.

 Cleantheexternalopticsatleastevery20days.Cleantheinternalopticsatleastevery20
days.