ROVE LED
LIMITLESS QUALITY

7 PCS 40W 4-IN-1 MANUAL

1.Display panel

Key definition:

Menu : selecting functions

Up: parameter increment

Down: parameter decrement

Confirm: Confirm and save

2.Menu function

After powering on, press the menu button and the menu menu will appear in sequence;
Up or down key to modify function parameters, confirm key to save the current function and
Parameters (with power down memory after saving).

A001 ⟶ A512	Set the address code, modify it up or down (A001~A512), and save it with the confirm button.
FF00 ⟶ FF99	Gradient, modify the gradient speed up or down (FF00~FF99), and confirm to save.
EE00 ⟶ EE99	Pulse change, modify the pulse change speed (EE00~EE99) up or down, and save with the confirm button.
CC00 ⟶ CC99	Jump, modify the jump speed (CC00~CC99) up or down, and save with the confirm button.
Send ⟶ Send	Audio Mode
R255 ⟶ R000	Red light bead dimming, adjust the brightness of the red light bead up or down (R000~R255), and confirm to save.
G255 ⟶ G000	Green light bead dimming, adjust the brightness of the green light bead up or down (G000~G255), and confirm to save.
B255 ⟶ B000	Blue light bead dimming, adjust the brightness of the blue light bead up or down (B000~B255), and confirm to save.
W255 ⟶ W000	White light bead dimming, adjust the brightness of the white light bead up or down (W000~W255), confirm to save
T000	Display temperature, such as T045 indicating that the current lamp temperature is 45°C; 10K thermistor display not installed T —; Display TEMP to indicate entering the temperature protection state.

3.Master slave control

Two or more identical lighting fixtures are connected with a three core signal wire using a DMA. All lighting fixtures are set to any address code from A001 to A512, with any one set as the host and the other lighting fixtures as the slave. All slave display screens do not flash; When using the host to adjust the gradient, pulse, jump, voice control, and self-propelled effects, all slaves synchronize the gradient, pulse, jump, voice control, and self-propelled effects.

Special attention:
1. A set of lighting fixtures can only have one host. If there are multiple hosts, all lighting fixtures will flash randomly and not synchronize.
2. All lighting fixtures must be functional when the DMX512 console is turned off.

4.Factory settings

When entering any address code from A001 to A512, press the menu button for 3 seconds to enter the factory settings.The factory settings mainly include the output power of each lamp, fan setting mode, temperature protection point setting, and parameter sending functions, Press the menu button for 3 seconds to exit any mode set by the factory.

R255 ⟶ R032	Red bead current setting, adjust the red bead current (R020-R255) up or down, and save with the confirm button.
G255 ⟶ G032	Green bead current setting, adjust the green bead current (G020-G255) up or down, and confirm to save
B255 ⟶ B032	Blue bead current setting, adjust the blue bead current (B020-B255) up or down, and confirm to save
W255 ⟶ W032	Set the white light bead current, adjust the white light bead current (W020-W255) up or down, and save with the confirm button
FA-0 ⟶ FA-1	When the FA-0 light is on, start the fan. When FA-1 reaches the set temperature protection point, start the fan. Press the confirm button to save
T040 ⟶ T105	Set the temperature protection point, modify the parameters up or down (40°C~105°C), and press the confirm button to save.
Ch40 ⟶ Ch44	Channel settings, modify the channel up or down, and save with the confirm button. Default channel Ch40
Send ⟶ Send	Send the factory setting parameters of the machine up or down to all other three core signal wires connected in parallel for lighting fixtures; Confirm sending parameters, press the menu button for 3 seconds to exit, deny parameters, press the confirm button to cancel sending.

5.DMX512 Console

Ch47	1	X-axis	000-255	0-540 degrees
	2	X-axis fine adjustment	000-255	16bit adjustable
	3	Y axis	000-255	0-205 degrees
	4	Y axis fine adjustment	000-255	16bit adjustable
	5	XY speed	000-255	Speed from fast to slow
	6	focusing	000-255	Angle can be adjusted linearly from small to large
	7	total dimming	000-255	Linear dimming from dark to light
	8	Strobe	0	Turn on the light
			1-84	Synchronized strobe speed from slow to fast
			85-112	Low speed random strobe
			113-141	Medium speed random strobe
			142-170	High speed random strobe
			171-255	Pulse strobe
	9	Red	000-255	Linear dimming from dark to light
	10	Green	000-255	Linear dimming from dark to light
	11	Blue	000-255	Linear dimming from dark to light
	12	White	000-255	Linear dimming from dark to light
	13	Color temperature adjustment	000-255	Color temperature adjustment
	14	Color gradient	000-255	Color macro function

	15	Macro function	0-19	No effect
			20-255	Macro function effect(one effect for every 11 numbers)
	16	Macro Speed	0-255	Macro function effect speed from fast to slow
	17	Background Brightness	0-255	Macro function background linear dimming from dark to light
	18	Background Color	0-255	Macro function background color (one color for every 31 numbers)
	19	Reset	251-255	The lamp body reset is valid for 5 seconds.
Ch47	20	R1 LED dimming	0-255	R1 LED dimming
	21	G1 LED dimming	0-255	G1 LED dimming
	22	B1 LED dimming	0-255	B1 LED dimming
	23	W1 LED dimming	0-255	W1 LED dimming
	...	...	...	...
	44	R7 LED dimming	000-255	R7 LED dimming
	45	G7 LED dimming	000-255	G7 LED dimming
	46	B7 LED dimming	000-255	B7 LED dimming
	47	W7 LED dimming	000-255	W7 LED dimming

6.Technical Parameter

Power supply: AC100V-240V 50-60Hz
Maximum power: 500W
Light source: 7 40W/4-in-1/OSR lamp beads
Color temperature: 2800K-8500K
Lamp bead life: 50000 hours
Spot angle: 4.5°-45°
Control method: DMX512, voice control, self-propelled function
Effect: With CTO, dyeing, effect mode, single lamp bead point control

7.Routine maintenance

Attention! Excessive dust, smoke flow, and damage caused by abnormal use are not covered by the warranty.Warning! Turn off the power before opening any covers.

◉ Clean

Optical components should be lightly rubbed, and the coating surface is very brittle and easy to scratch.
Do not use destructive solvents, otherwise it will damage the plastic or coating surface.
Note: Reset the channel value to its active range for 5 seconds before executing the action.

◉ Cleaning optical components

1. After cutting off the power, cool thoroughly and open the cover;
2. Use a vacuum cleaner or pressure blower to gently blow away dust and floating objects;
3. Use odorless cotton paper or a cotton cloth soaked in clean water or distilled water to wipe off particles, do not wipe the surface, and use pressure gas to blow away floating objects
4. Use cotton cloth or odorless cotton paper soaked in propanol to remove smoke and residue, or use a glass cleaner,But the residue must be removed with distilled water, wiped in circles from the center to both sides, and then wiped dry with a soft cotton cloth

◉ Clean the fan and air holes

Use a soft brush, cotton paper, air cleaner, or pressure blower to remove dust from the fan and air holes.

8.Fault handling

The lamp contains professional components such as microcomputer circuit boards and high-voltage power supplies. For your safety and product lifespan,Non professionals are not allowed to dismantle lamps and related accessories without authorization.

◉ The beam appears dim

Possible cause: The bulb has been used for a long time or the light path is not clean, and the following measures should be taken:
Check if the bulb has reached its service life and replace it with a new one;
Check whether the optical components or bulbs are clean, and whether there is dust accumulation on the optical components such as bulbs. Regular cleaning and maintenance of the bulbs and various components inside the lamp should be carried out.

◉ Intermittent operation of lighting fixtures

Possible reason: The internal circuit has entered a protected state, and the handling is as follows:
Check if the fan is operating normally or getting dirty, causing an increase in internal temperature of the lamp;
Check if the internal temperature control switch is in a closed state;
Check if the bulb has reached its service life and replace it with a new one.

◉ After the lamp is reset normally, it does not accept control from the console

Possible cause: Signal line malfunction or abnormal lamp parameter settings, the following measures should be taken:
Check the starting address code and the connection of the DMA signal cable
(whether the signal cable is intact and whether the connector is loose);
Add a signal amplifier and a 120 ohm terminal resistor;

◉ Lamp cannot be activated

Possible cause: Poor power circuit, treatment as follows:
Check if the fuse on the power input socket is blown and replace the fuse;
Poor contact of lighting fixtures due to vibration during long-distance transportation
Check the input power supply, computer board, and other plug-in devices.

9.Security information

The products are packaged in good condition when leaving the factory.
Please follow the user manual for operation, as it may be caused by human factors
The machine malfunction is not covered by the warranty.

▲ The light source inside this lamp should be replaced by the manufacturer or its service agent or someone with similar qualifications. If the exterior of this lampIf the flexible cable or cord is damaged, it should be replaced by a qualified person from the manufacturer or its service agent to avoid danger
▲ After receiving the lamp, please unpack and check for any damage caused by transportation. If there is any damage, do not use this lamp,
And quickly contact suppliers or manufacturers.
▲ This product is suitable for indoor use, with a protection level of IP20.
Luminaires should be kept clean to avoid exposure to moisture or excessive dust
When used in an environment, maintenance should be carried out every three months.
▲ Qualified professionals are only allowed to install, operate, and maintain lighting fixtures, and ensure strict adherence to the procedures described in this manual.
▲ The lighting fixtures should be installed in a well ventilated area, at least 50CM away from the wall, and the ventilation holes should be checked for smoothness.
Do not look directly at the light source to avoid damage to the eyes.

▲ Please do not turn on the lamp for self repair.
▲ The electrical connections must be operated by qualified installation personnel.
▲ Each lamp should be securely grounded and electrically installed in accordance with relevant standards.
▲ Do not use power cords with damaged insulation layer, and do not place the power cord on other wires. When the lamp is not in use or clean, please unplug the power cord and do not forcefully plug or drag the power cord directly.
▲ If the back cover of the lamp is equipped with a safety buckle or connection hole, for safety reasons, please use a safety rope to penetrate the connection hole for auxiliary lifting.
▲ There are no user repairable components inside this lamp. Before starting to operate the lamp, please check whether all parts are properly connected and whether the screws are reliable and secure.
▲ If you have any further questions, please contact the supplier or manufacturer in a timely manner and return the product with the original packaging stating the reason for the defect

11.Lamp connection

Power connection (power and fuse configurations are shown in the table below)

power supply	fuse
100V-240V~	T5A, 250V

Do not connect too many lighting fixtures or overload a single power cord.
Do not use power cords with damaged insulation, and do not lay the power cord on other wires.
When the lamp is not in use or cleaned, please unplug the power cord.
Do not forcefully unplug or drag the power cord directly.

Signal Connection

DMX512 Connect

In order to reduce signal errors and avoid signal attenuation and interference during transmission, it is recommended to use the add a 120 ohm 1/4W resistor between the 2-core and 3-core outputs of the DMX.
Connect the lamp with an XLR signal cable, with one end connected to the output port of the lamp and the other end connected to the input port of the next lamp.
Signal wires can only be used in series and cannot be connected in parallel.
Because the DMX512 signal transmission speed is very fast, when the signal line is damaged and the welding joint is not secure,Poor contact, etc., can affect signal transmission and cause the system to shut down.
When the machine power supply of a certain unit is disconnected, the connection between the output and input of the DMXs is bypassed to maintain the connection of the DMXs line
Each lamp must have an address code that can receive messages from the control console.
The terminal of the DMX512 system needs to be equipped with a terminal to reduce signal transmission errors.

Precautions for using RDM

RDM is an extended version of the DMX512-A protocol, which is a Remote Device Management protocol. Traditional DMX512 protocol communication is unidirectional, based on RS-485 bus. RS-485 is a time-sharing, multi-point, and half duplex protocol, allowing only one port to output to the host at the same time. Therefore, when using RDM, the following points should be noted:

To use a console or host device that supports the RDM protocol host;
To use a bidirectional signal amplifier, traditional unidirectional signal amplifiers are not suitable for the RDM protocol because the RMD protocol requires feedback data,
The use of a unidirectional amplifier will block the returned data, resulting in the inability to search for the lamp;
When a lamp is controlled by the DMXs but cannot be searched by the RDM, first check the signal amplifier, and then check if there is a poor contact between the 2 and 3 wires of the signal line.
All lighting fixtures must be set to DMA mode to ensure that there is only one host on the signal line;
A 120ohm impedance matching resistor must be inserted between terminals 2 and 3 of the terminal plug.
When the signal line is relatively long,Reducing signal reflection will make differential signals more stable, which is beneficial for the quality of communication;

12.Dimension

400mm

270mm   230mm