JMAZ LIGHTING

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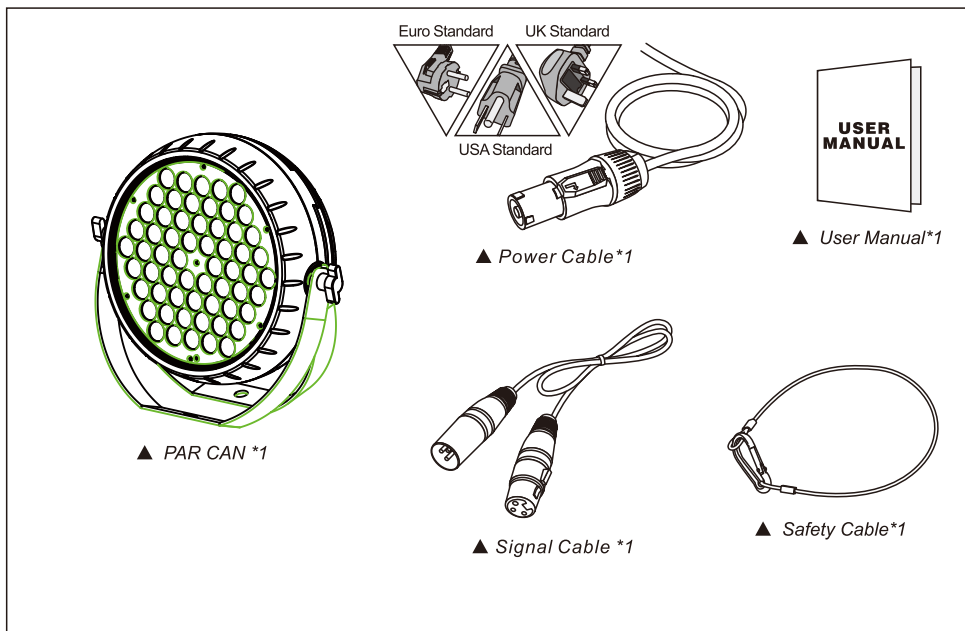
RADIANT PAR TRI60

Version 1.0

USER MANUAL

● ● Be sure to read the USER MANUAL carefully before using this product.

Maintenance and cleaning

Keep the unit clean and dust free, simply wipe it using a soft lint-free cloth moistened with any good glass cleaning fluid. NOTE: DO NOT use alcohol or solvents..

CONTENT

Euro Standard   UK Standard

USA Standard

▲ Power Cable*1

▲ User Manual*1

▲ PAR CAN *1

▲ Signal Cable *1

▲ Safety Cable*1

RADANT PAR TRI60 is made of a new type of high temperature, high strength engineered plastic and cast aluminum casing. The fixture is designed and manufactured strictly following CE standards, in compliance with international standard DMX512 protocol. You can control this fixture independently and it is also linkable with other fixtures for operation. The RADANT PAR TRI60 is ideal for applications in large scale live performance theater, studio, nightclubs and discos. This user manual covers the important information regarding installation and applications. Please securely store this manual for future reference.

Thank you for choosing the RADIANT PAR TRI60 , JMAZ Lighting is committed to providing quality defect-free products. All JMAZ Lighting products are tested before leaving the factory and are warranted against defects in materials and workmanship.

This device has left our premises in absolutely perfect working condition. In order to maintain this condition and to ensure a safe operation, follow the safety instructions and warning notes written in this manual.

CAUTION:
-Do not open or alter the casing, high voltage circuitry can result in damage to the light or personal injury.
-Keep this light away from rain or moisture and always use in a well-ventilated area.
-DO not look straight into the light Under no circumstances.
-During normal use the unit may become hot, please allow the unit to cool down before stowing it away.
-Make sure the unit is disconnected from power during routine maintenance cleaning.
-Only connect to power source with-in the operating range

RADIANT PAR TRI60

Bright and colorful, the new RADIANT PAR TRI60 delivers unbelievable brightness. Controls include DMX and sound active. Powered by 60 x 3W (RGB) LED's to create amazing color combinations. Measuring 10.4" in diameter, the RADIANT PAR TRI60 will deliver ultimate brightness to any event.

SPECIFICATIONS:

- 60 x 3 Watt TRI (RGB) LEDs
- Virtual Gobo Wheel & Zone Control
- Power-con In/Out, 5-Pin DMX In/Out
- Control: DMX, Master/Slave, Stand Alone,
- Sound Activated, IR Remote Control
- DMX Channel Modes: 3/11/31
- Input Voltage: AC 90-260V 50-60Hz
- Max Power Consumption: 200W
- Fixture Dimensions: 10.4" x 8.3" x 4.6"
- Fixture Weight: 5.2 lbs.
- Box Dimensions: 11" x 6.1" x 9.6"
- Box Weight: 6.2 lbs.

Product Name: RADIANT PAR TRI60
MPN/SKU: JZ1026
UPC: 618528607016

9.CONTROL CONNECTION

POWER OUT
POWER IN
DMX IN
DMX OUT
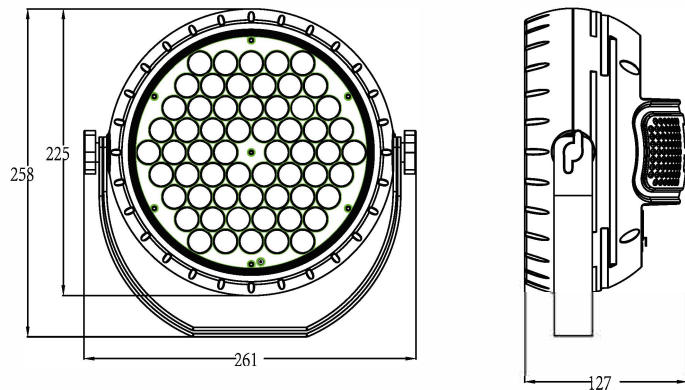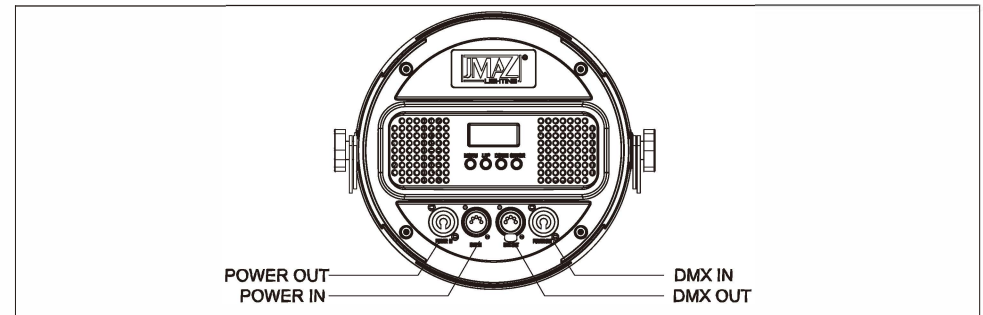
Connect the provided XLR cable to the female 5-pin XLR output of your controller and the other side to the male 5-pin XLR input of the moving head. You can chain multiple fixtures together through serial linking. The cable needed should be two core, screened cable with XLR input and output connectors. Please refer to the diagram below. DMX-512 connection with DMX terminal. For installations where the DMX cable has to run a long distance or is in an electrically noisy environment, such as in a night club, it is recommended to use a DMX terminator. This helps in preventing corruption of the digital control signal by electrical noise. The DMX terminator is simply an XLR plug with a3 resistor connected between pins 2 and 3,which is then plugged into the output XLR socket of the last fixture in the chain. Please see illustration below.

DMX IN
POWER IN

DMX Output
5-Pin XLR Socket

DMX Input
5-Pin XLR Socket

1:Ground
2:Data(−)
3:Data(+)

DMX512 OUT
5-PIN XLR

DMX512 IN
5-PIN XLR

PHOTOMETRICS DIAGRAM

| Distance | 1m | 3m | 5m | 7m |

26°

(LUX)

	1m	5m	7m
R	7813	949	357
G	6019	884	338
B	8450	1079	364
RGB	21450	2652	1027
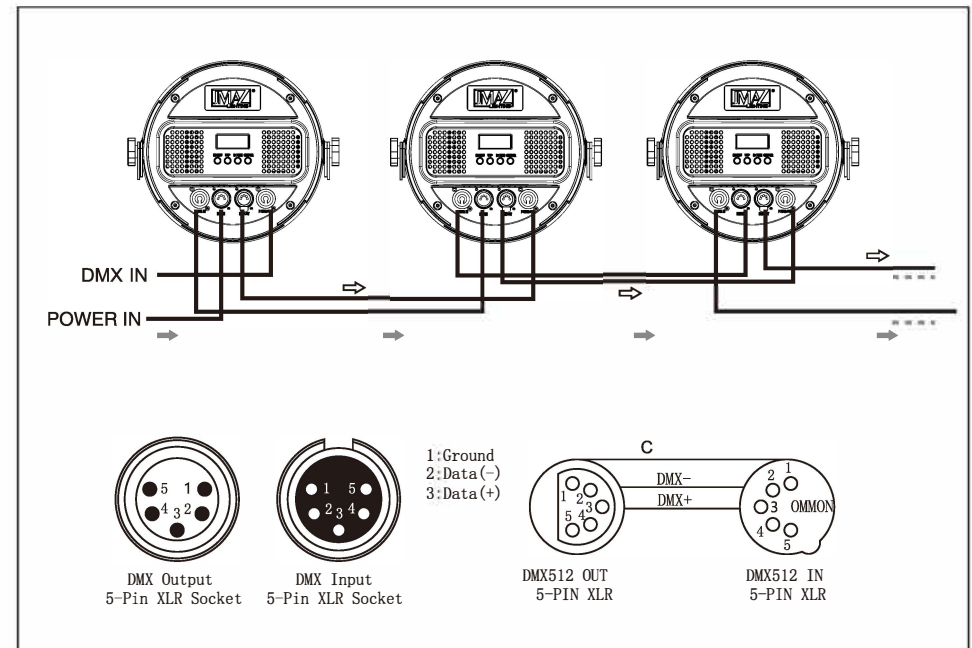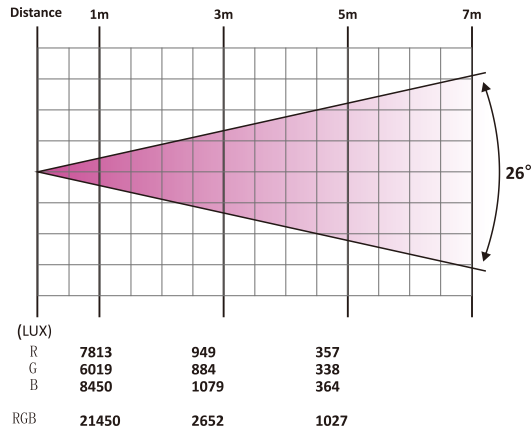
OPERATION INSTRUCTIONS

● **RADIANT PAR TRI60 provides a wash effect for stage decoration purpose.**
● **Do not immediately operate the fixture if it has been through severe temperature changes during storage or transportation as this may damage the unit. Please allow the fixture to return to normal temperature.**
● **The fixture should be stored properly when in transportation to avoid violent shaking or movement. Do**
● **not expose the fixture to elements that include high heat, moisture, or an environment with too much dust when in operation.**
● **Do not place any power cables exposed on the ground as it may cause electronic shock.**
● **Make sure the fixture is securely installed in a safe location when installing.**
● **Use safety chain or safety cable when installing and ensure bolts or screws are securely fastened.**
● **Make sure the lens is in good condition. It is recommended to replace the fixture if there is any damages or severe scratches.**
● **Make sure the fixture is operated by qualified personnel who has read this user manual. Do not attempt**
● **to repair the fixture without consulting with JMAZ Lighting or one of its authorized repair facilities. JMAZ Lighting has the right to void any warranty or service to the fixture if there are any malfunctions**
● **caused by disregard of this user manual.**

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1. ON AND OFF
The LEDs can be switched on with the button ON and switched off with the button OFF.
2.ADJUST BRIGHTNESS AND SPEED
Use the buttons and to adjust the brightness for the static colors or speed in program mode.
3.SELET BASIC COLOR
R: Select red color
G: Select green color
B: Select blue color
W: Select white color
4.COLOR BUTTONS

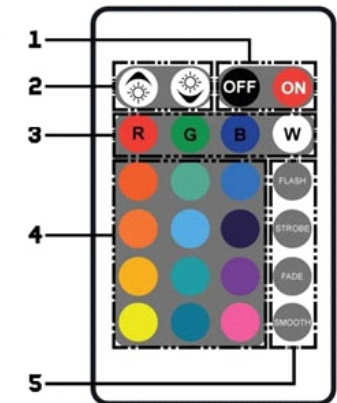For constant lighting of all LEDs in one color, press the corresponding color button.
5.SELECTING AN INTERNAL PROGRAM
FLASH: Color switch
STROBE: Color strobe
FADE: Color fade
SMOOTH: Color switch and strobe

21				Red in Pixel 4
			0..255	Red in pixel 4 saturation control (0-100%)
22				Green in Pixel 4
			0..255	Green in pixel 4 saturation control(0-100%)
23				Blue in Pixel 4
			0..255	Blue in pixel 4 saturation control(0-100%)
24				Red in Pixel 5
			0..255	Red in pixel 5 saturation control (0-100%)
25				Green in Pixel 5
			0..255	Green in pixel 5 saturation control (0-100%)
26				Blue in Pixel 5
			0..255	Blue in pixel 5 saturation control(0-100%)
27				Red in Pixel 6
			0..255	Red in pixel 6 saturation control(0-100%)
28				Green in Pixel 6
			0..255	Green in pixel 6 saturation control(0-100%)
29				Blue in Pixel 6
			0..255	Blue in pixel 6 saturation control(0-100%)
30				Custom colors Macro
			0..15	No Function
			16..31	ColorPalette((Pixel 1–3 RGB)Set 3 Custom color)
			32..63	Custom colors Macro1
			64..95	Custom colors Macro2
			96..127	Custom colors Macro3
			128..159	Custom colors Macro4
			160..191	Custom colors Macro5
			192..223	Custom colors Macro6
			224..255	Custom colors Macro7
31				Custom colors Macro Speed
			0..255	Custom colors Macro Speed from Slow To Fast

INSTALLATIONS

Cautions:

For added protection mount the fixtures in areas outside walking paths, seating areas, or in areas were the fixture might be reached by unauthorized personnel.

Before mounting the fixture to any surface, make sure that the installation area can hold a minimum point load of 10 mes the device weight.

Fixture installation must always be secured with a secondary safety attachment, such as an appropriate safety cable.

Never stand directly below the device when mounting, removing, or servicing the fixture.from a ceiling, or set on a flat level surface (see illustration below). Be sure this fixture is kept at least 0.5m (1.5 f t) away from any flammable materials (decoration etc.).

Always use and install the supplied safety cable as a safety measure to prevent accidental damage and/or injury in the event the clamp fails.

Mounting points:

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Clamp Mounting:

The RADIANT PAR TRI60 provides a unique mounting bracket assembly that integrates the bottom of the base, and the safety cable rigging point in one unit (see the illustration below). When mounting this fixture to truss be sure to secure an appropriately rated clamp to the included omega bracket using a M10 screw fitted through the center hole of the handle. As an added safety measure be sure to attached at least one properly rated safety cable to the fixture using on of the safety cable rigging point integrated in he base assembly .

Satety Clamp

Safety Cable

6.MENU OPERATIONS

```
                           LED DISPLAY

         MENU  UP  DOWN  ENTER

MENU                              ENTER
UP                                DOWN
```
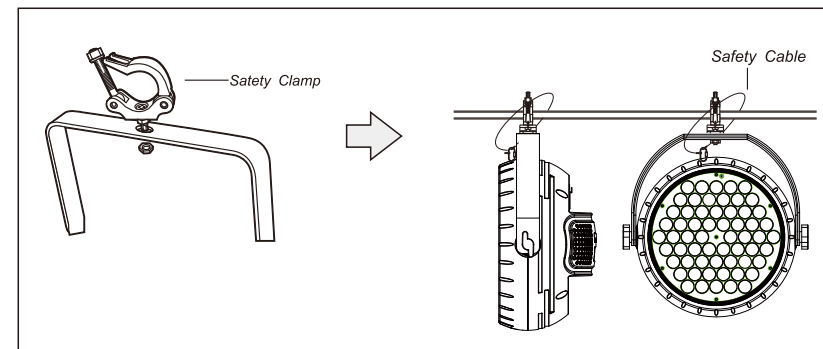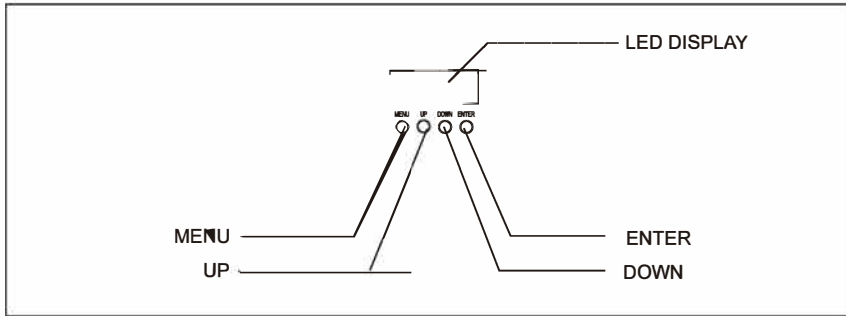
MENU			Description
DMX	~AXXX (AXXX)		DMX Address Setting
Channel	CH11(Default)/CH03/CH31		Channel Selection
Color	LED 00-16		Built-in Colors
Auto Pro	Program	Program1…Program37	Internal Program
	Speed	Speed-1~Speed-10(Speed Adjustment)	Internal Program Speed
SoundPro	Program	Program1…Program20	Internal Program
	Mic Sens	M-00~99%	Microphone Sensitivity Setting
Master	ON/OFF		Auto Pro and Sound Pro Master / Slave
Setting	DimCurve	Standard/Stage/Archit./Theatre	Dimmer Curve
	IrRemote	ON/OFF	IR Remote
	Factory	Default	Reset to Default Setting
	Cal.	Code（Password 088）	Calibration
		CH03—CH06	Calibrate Channel
MANUAL	CXXX	000-255	Manual Control Channel
Info.	VER X.X	Version	Software Version
	TEMPXXX℃	Temperature	Current Temperature
REST	ON/OFF		Reset all

Remark：LED Color Table

0	No Color	1	Red	2	Green	3	Blue
4	RG	5	RB	6	GB	7	RGB
8	Orange yellow	9	Yellow orange	10	Lemon yellow	11	Grassgreen
12	Bluishgreen	13	Dark green	14	Sky blue	15	Blue purple
16	Purple						

				Description
			146..150	Dynamic Rotate 29
			151..155	Dynamic Rotate 30
			156..160	Dynamic Rotate 31
			161..165	Dynamic Rotate 32
			166..170	Dynamic Rotate 33
			171..175	Dynamic Rotate 34
			176..180	Dynamic Rotate 35
			181..185	Dynamic Rotate 36
			186..190	Dynamic Rotate 37
			191..195	Dynamic Rotate 1
			196..200	Dynamic Rotate 2
			201..205	Dynamic Rotate 3
			206..210	Dynamic Rotate 4
			211..215	Dynamic Rotate 5
			216..220	Dynamic Rotate 6
			221..225	Dynamic Rotate 7
			226..230	Dynamic Rotate 8
			231..235	Dynamic Rotate 9
			236..240	Dynamic Rotate 10
			241..245	Dynamic Rotate 11
			246..250	Dynamic Rotate 12
			251..255	Dynamic Rotate 13
11	11			Dynamic Rotate Speed
			0..255	From SlowTo Fast
12				Red in Pixel 1
			0..255	Red in pixel 1 saturation control (0-100%)
13				Green in Pixel 1
			0..255	Green in pixel 1 saturation control(0-100%)
14				Blue in Pixel 1
			0..255	Blue in pixel1 saturation control(0-100%)
15				Red in Pixel 2
			0..255	Red in pixel 2 saturation control (0-100%)
16				Green in Pixel 2
			0..255	Greenin pixel2 saturation control(0-100%)
17				Blue in Pixel 2
			0..255	Blue in pixel2 saturation control (0-100%)
18				Red in Pixel 3
			0..255	Red in pixel 3 saturation control(0-100%)
19				Green in Pixel 3
			0..255	Greenin pixel3 saturation control (0-100%)
20				Blue in Pixel 3
			0..255	Blue in pixel3 saturation control (0-100%)

DMX PROTOCOL

Mode/Channel			Value	Function
CH31	CH11(Default)	CH03		
1	1	1		Red
			0..255	0-100% Red dimmer from dark to bright
2	2	2		Green
			0..255	0-100% Green dimmer from dark to bright
3	3	3		Blue
			0..255	0-100% Blue dimmer from dark to bright
4	4			Macro Color
			0..23	No Function
			24..47	Red
			48..71	Green
			72..95	Blue
			96..119	Red+Green
			120..143	Red+Blue
			144..167	Green+Blue
			168..191	R+G+B
			192..198	Orange yellow
			199..205	Yellow orange
			206..212	Lemon yellow
			213..219	Grass green
			220..226	Bluish green
			227..233	Dark green
			234..240	Sky blue
			241..247	Blue purple
			248..255	Purple
5	5			Color Temp
			0..15	No Function
			16..45	Below 3200K
			46..75	3200K- 3500K
			76..105	3500K- 5000K
			106..135	5000K- 5500K
			136..165	5500K- 6000K
			166..195	6000K- 6500K
			196..225	6500K- 7000K
			226..255	7000K- 8000K
6	6			Dimmer
			0..255	Dimmer 0%...100%
7	7			Shutter
			0..31	Shutter closed
			32..63	shutter open
			64..95	Strobe effect slow to fast
			96..127	shutter open
			128..159	Pulse effect in sequences slow to fast
			160..191	shutter open
			192..223	Random strobe effect slow to fast
			224..255	shutter open

			Value	Function
8	8			Macro RUN
			0..15	No function
			16..31	Macro Run 1
			32..47	Macro Run 2
			48..63	Macro Run 3
			64..79	Macro Run 4
			80..95	Macro Run 5
			96..111	Macro Run 6
			112..127	Macro Run 7
			128..143	Macro Run 8
			144..159	Macro Sound1
			160..175	Macro Sound2
			176..191	Macro Sound3
			192..207	Macro Sound4
			208..223	Macro Sound5
			224..239	Macro Sound6
			240..255	Macro Sound7
9	9			Macro Speed
			0..255	Macro Speed from Slow To Fast
10	10			Dynamic Rotate
			0..5	No function
			6..10	Dynamic Rotate 1
			11..15	Dynamic Rotate 2
			16..20	Dynamic Rotate 3
			21..25	Dynamic Rotate 4
			26..30	Dynamic Rotate 5
			31..35	Dynamic Rotate 6
			36..40	Dynamic Rotate 7
			41..45	Dynamic Rotate 8
			46..50	Dynamic Rotate 9
			51..55	Dynamic Rotate 10
			56..60	Dynamic Rotate 11
			61..65	Dynamic Rotate 12
			66..70	Dynamic Rotate 13
			71..75	Dynamic Rotate 14
			76..80	Dynamic Rotate 15
			81..85	Dynamic Rotate 16
			86..90	Dynamic Rotate 17
			91..95	Dynamic Rotate 18
			96..100	Dynamic Rotate 19
			101..105	Dynamic Rotate 20
			106..110	Dynamic Rotate 21
			111..115	Dynamic Rotate 22
			116..120	Dynamic Rotate 23
			121..125	Dynamic Rotate 24
			126..130	Dynamic Rotate 25
			131..135	Dynamic Rotate 26
			136..140	Dynamic Rotate 27
			141..145	Dynamic Rotate 28