WOLTEC
STAGE LIGHTS

# R7 PXL

## RETRO HEXAGON STAGE LIGHT

USER MANUAL

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## 1. FOREWORD

Thank you for choosing our R7 PXL retro stage lights. In order to use this product correctly and safely, please read the instructions carefully before installation and use. This manual contains important installation and application information. Please, strictly follow the instructions when installing and operating the product. Keep this manual in a safe place.

If you have any questions, suggestions or require additional information contact us at: support@wolteclights.com

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## 2. SAFETY INFORMATION

**WARNING! This product is for professional use only.**
**It is not for household use.**

Read this manual and follow the safety regulations before installing and operating the device.

This R7 Retro Light must be installed and operated by qualified people with experience on the operation of the device, as it presents risk of injury due to heat, electric shock, fire or falls. Epileptic seizures could be caused by the intense, flashing light.

### SAFETY MEASURES

- Keep the device in a dry place and safe from rain and moisture.
- After using the device it will raise its temperature. Before touching its surface, let it cool for 30 minutes to avoid burns and injuries.
- Keep the device to a minimum distance of 0,7 meter away from flammable materials.
- Epileptic patients must avoid direct eye contact with the light, as it may trigger epileptic seizures.
- Disconnect the device before opening the housing, installing the lamp or the fuse. Allow the device to cool before manipulating it.

*NOTE: The device will be out of warranty for any damages caused by manual modifications.*

## 3. FIXTURE OVERVIEW

Our R7 PXL Retro Stage Lights use a new and beautiful high temperature resistant metal body. This product is designed and produced in strict accordance with CE standards and conforms to the international standard DMX512 signal protocol. It can be used for control alone or DMX. It is suitable for various types of concerts, theaters, studios, nightclubs and bars.

This product uses high-brightness and stable LED three-in-one lamp beads, 60W high-brightness integrated lamp beads.

## 4. TECHNICAL SPECIFICATION

**Voltage:** AC90V-230V
**Power frequency:** 50/60Hz
**Power:** 500W
**Heat dissipation method:** metal heat conduction
**Maximum use ambient temperature:** 45°C
**Number of lamp heads:** 7 x 60w LED filament (tungsten emulation) + 168 x RGBW Glow
**Color temperature:** 2200k LED filament (tungsten emulation)
**Strobe:** 1-25 times/second
**Dimming:** 0 to 100% Super Smooth Linear Dimming
**Number of DMX control channels:** 8CH+32CH
**DMX Connector:** 3Pin XLR
**Operation Mode:** DMX / Auto / Master-Slave / Sound Activated
**Installation mode:** Tripod Support /Hanging with Clamp / Installation base on the ground
**Display mode:** LED Screen
**IP Rate:** IP56
**Appearance size:** 85*73*15cm
**Weight:** 33 lbs. / 15 kg.

## 5. PREPARATION FOR USE

If the product has been exposed to extreme unstable temperature environments (such as after transportation), please do not connect the product to the power supply immediately, as water droplets due to temperature changes may damage the product. Please use it after the product has returned to normal temperature.

This product can be used in the voltage range of 90-230V and is an indoor product. Please make sure that the ground voltage used is not higher than the product can withstand. The power plug must be inserted into a protected Class I socket. The green or teal conductor must be grounded.

## CONNECTION OF DMX512 SIGNAL

The lamp uses the DMX512 signal control mode, and the control signals of each lamp are in a parallel relationship. When connecting the signals of multiple lamps, it is best to use a double-core shielded cable. When connecting, each lamp is connected through the DMX signal jack (XLR Socket) INPUT (input) and OUTPUT (output) are connected, and the 3-pin XLR plug terminals of the signal line connected to the lamp must correspond to each other. When connecting the lamp signal, it is recommended to use a DMX signal terminator. To avoid electric interference, it is recommended to connect the DMX signal terminator (120 ohm 1W resistor between pins 2 and 3 of an XLR plug), which must be connected to the OUTPUT (output) jack of the last fixture.

## LIGHT START ADDRESS CODE CALCULATION METHOD

The starting address code of the current fixture is equal to (the starting address code of the previous fixture) + (the number of channels of the fixture).

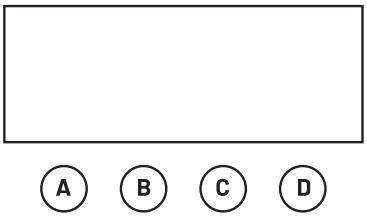
DESCRIPTION

**1.** The starting address code value of the first lamp is A001.

**2.** The number of basic channels of the controller should be greater than or equal to the total number of channels used by the light.

**3.** Note: When using any controller, each lamp must have its own starting address code, if the starting address code of the first lamp is set to A001, and the number of lamp channels is 8CH; The starting address code of the two lamps is set to A009; the starting address code of the third lamp is set to A017; and so on, (this setting method also needs to be determined according to different consoles).

## 8. DISPLAY PANEL




A. Function Key
B. Up Key
C. Down Key
D. Enter Key

Operation instructions: Press function key A to cycle through different functions, and press B or C key to modify its parameter values. Press D key to confirm.

## 9. LED DISPLAY WINDOW FUNCTION COMPARISON TABLE

After all functions are selected, press D key to confirm

| NO. | DISPLAY | DISPLAY |
|---|---|---|
| ADDR | A001-512 | Address set |
| SLND | Aout | Host self-propelled mode |
| | Soun | Voice mode |
| | SL 1 | DMX mode |
| | SL 2 | Save mode |
| SENS | 0-99 | Voice control sensitivity (0 off, 100 most sensitive) |
| BLND | bLAc | Zero without DMX512 signal |
| | Aout | Self propelled without 512 signal |
| | Soun | No 512 signal voice control |
| | HoLd | There is no DMX512 signal to maintain the last console state |
| LED | Yes / No | On / Off backlight switch |
| DISP | Yes / No | Yes / No reverse display |
| RSET | Yes / No | Yes / No restore factory settings |

## 10. CHANNEL TABLE 8CH + 32CH

### 8CH

| NO. | FUNCTION | DMX VALUE | DESCRIPTION |
|---|---|---|---|
| 1 | Dimming | 0-255 | 0-100% Linear Dimming |
| 2 | Strobe | 0-255 | Strobe from Slow to Fast |
| 3 | R | 0-255 | LED Red dimming from dark to bright |
| 4 | G | 0-255 | LED Green dimming from dark to bright |
| 5 | B | 0-255 | LED Blue dimming from dark to bright |
| 6 | W | 0-255 | LED White dimming from dark to bright |

| | | | |
|---|---|---|---|
| **7** | Macro function | 0-9 | Non-Function |
| | | 10-19 | Built-in Effects 1 |
| | | 20-29 | Built-in Effects 2 |
| | | ... | One effect per 10 numbers |
| | | 240-249 | Effect 24 |
| | | 250-255 | Effect 25 |
| **8** | Macro function speed regulation | 0-63 | Static |
| | | 64-159 | Forward running speed from fast to slow |
| | | 160-255 | Reverse running speed from slow to fast |

## 32CH

| NO. | FUNCTION | DMX VALUE | DESCRIPTION |
|---|---|---|---|
| **1** | DIMMING | 0-255 | 0-100%Linear Dimming |
| **2** | STROBE | 0-255 | Strobe from Slow to Fast |
| **3** | R1 | 0-255 | LED1 Red dimming from dark to bright |
| **4** | G1 | 0-255 | LED1 Green dimming from dark to bright |
| **5** | B1 | 0-255 | LED1 Blue dimming from dark to bright |
| **6** | W1 | 0-255 | LED1 White dimming from dark to bright |
| **7** | R2 | 0-255 | LED2 Red dimming from dark to bright |
| **8** | G2 | 0-255 | LED2 Green dimming from dark to bright |
| **9** | B2 | 0-255 | LED2 Blue dimming from dark to bright |
| **10** | W2 | 0-255 | LED2 White dimming from dark to bright |
| **11** | R3 | 0-255 | LED3 Red dimming from dark to bright |
| **12** | G3 | 0-255 | LED3 Green dimming from dark to bright |
| **13** | B3 | 0-255 | LED3 Blue dimming from dark to bright |
| **14** | W3 | 0-255 | LED3 White dimming from dark to bright |
| **15** | R4 | 0-255 | LED4 Red dimming from dark to bright |
| **16** | G4 | 0-255 | LED4 Green dimming from dark to bright |
| **17** | B4 | 0-255 | LED4 Blue dimming from dark to bright |

| | | | |
|---|---|---|---|
| **18** | W4 | 0-255 | LED4 White dimming from dark to bright |
| **19** | R5 | 0-255 | LED5 Red dimming from dark to bright |
| **20** | G5 | 0-255 | LED5 Green dimming from dark to bright |
| **21** | B5 | 0-255 | LED5 Blue dimming from dark to bright |
| **22** | W5 | 0-255 | LED5 White dimming from dark to bright |
| **23** | R6 | 0-255 | LED6 Red dimming from dark to bright |
| **24** | G6 | 0-255 | LED6 Green dimming from dark to bright |
| **25** | B6 | 0-255 | LED6 Blue dimming from dark to bright |
| **26** | W6 | 0-255 | LED6 White dimming from dark to bright |
| **27** | R7 | 0-255 | LED7 Red dimming from dark to bright |
| **28** | G7 | 0-255 | LED7 Green dimming from dark to bright |
| **29** | B7 | 0-255 | LED7 Blue dimming from dark to bright |
| **30** | W7 | 0-255 | LED7 White dimming from dark to bright |
| **31** | Macro function | 0-9 | Non-Function |
| | | 10-19 | Built-in Effects 1 |
| | | 20-29 | Built-in Effects 2 |
| | | ... | One effect per 10 numbers |
| | | 240-249 | Effect 24 |
| | | 250-255 | Effect 25 |
| **32** | Macro function speed regulation | 0-63 | Static |
| | | 64-159 | Forward running speed from fast to slow |
| | | 160-255 | Reverse running speed from slow to fast |

## 12. SUPPORT

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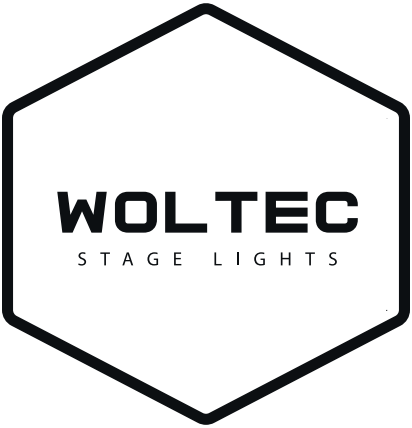


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