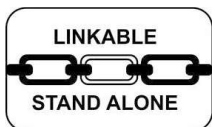
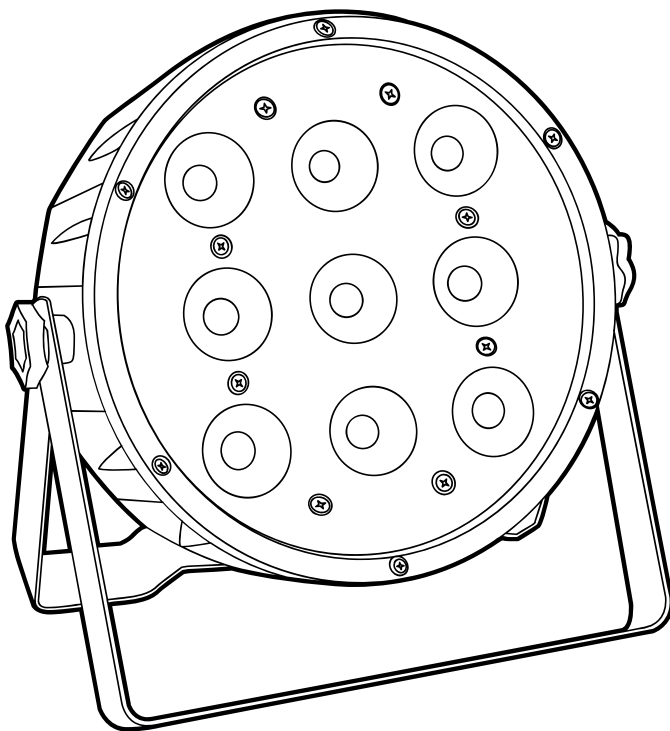


# talent<sup>TM</sup>

## SOUND & LIGHTING



**RGBW 4-in-1 LED Slim Par Stage Light 9 x 10W**

**Model: PAR910**

## **User Manual**

[www.talentaudio.com](http://www.talentaudio.com)

Thank you for purchasing the Talent PAR910 RGBW 4-in-1 LED Slim Par Stage Lighting Fixture. Please read this user guide for safety and operation information before using the product.

### **Package Contents:**

- 1 x Talent PAR910 Light
- 1 x Standard IEC Power Cable
- 1 x User Manual

### **Safety Instructions:**

- Please keep this user manual for future consultation. If you sell the fixture, be sure to include this instruction booklet to ensure proper maintenance and use.
- Unpack and check carefully for transportation damage before using the fixture.
- Before operating, ensure that the power supply voltage and frequency match the power of your electrical system.
- Disconnect main power before servicing and maintenance.
- Use a safety cable when permanently mounting this fixture. Always handle the fixture with care.
- In the event of a serious operating problem, stop using the fixture immediately. Please contact the dealer from whom you purchased the fixture, the nearest authorized technical repair facility, or Talent Sound & Lighting directly.
- Do not connect the device to any dimmer pack.
- Do not touch exposed wires during use, as there might be a hazard of electrical shock.
- To prevent or reduce the risk of electrical shock or fire, do not expose the fixture to rain or moisture.
- The fixture must be replaced if there is visible damage to the housing.
- Do not look directly at the LED light beam while the fixture is on.

**Warning:** Please read the instructions carefully. They include important information about installation, operation, and maintenance. Do not connect more than 16 units in series (daisy-chaining) on a single power circuit.

**Caution:** There are no user serviceable parts inside the fixture. Do not open the housing or attempt any repairs yourself. In the unlikely situation your unit may require service, please contact your dealer or Talent Sound & Lighting.

### **Introduction:**

The Talent PAR910 RGBW 4-in-1 LED Slim Par Stage Lighting Fixture provides flexible lighting options for a variety of event needs. With nine 10 watt 4-in-1 RGBW high intensity LEDs, the PAR910 is more than bright enough to light up dance floors, conference rooms, and event spaces. Being slim in size and with the vast programming options which include DMX control, auto programs, sound active programs, and static color washes, the PAR910 is perfect for lighting installations, touring rigs, and mobile setups.

### **Features:**

- 9 bright 10 watt 4-in-1 RGBW LEDs provide expansive lighting coverage
- Multiple control modes with smooth dimming and great color mixing allowing for unlimited color options
- Can be used as DMX master/slave or in stand-alone mode giving you precise control over programming
- Ultra-slim enclosure is perfect for concerts, mobile entertainers, DJs, clubs, and even centers

## Operation Instructions:

### Hardware Setup:

The PAR910 can be mounted in many ways. The included bracket allows for the fixture to be hung from lighting trusses as well as propped up in a free-standing manner.

The PAR910 provides DMX and power linking connections for daisy chaining fixtures.

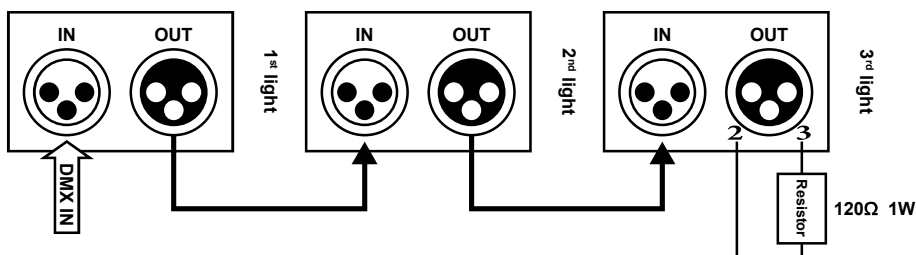
### Master/Slave Fixture Linking:

- Connect the output (male) of the controller via a 3-pin DMX cable to the input (female) 3-pin connector of the first fixture.
- From the first fixture in the chain, connect the output 3-pin DMX cable to the input DMX connector of the next sequential fixture.
- Proceed in following manner for all fixtures in the chain.

**Note:** Max recommended serial data link distance: 1600 ft.

**Note:** Max recommended number of fixtures on a serial data link: 32 fixtures

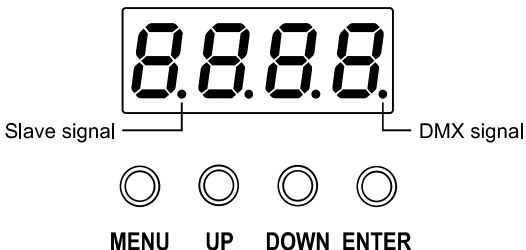
**Note:** It is recommended to use a DMX terminator at the end of the fixture chain to prevent data errors and erratic operation



### Fixture Programming:

The Talent PAR910 provides multiple options for programming, all controlled via built-in navigation buttons with LED display visual feedback. The fixture can be controlled via 8 channels of DMX or can utilize internal programming for effects such as strobe, static color, and auto or sound activated programs.

### Display:



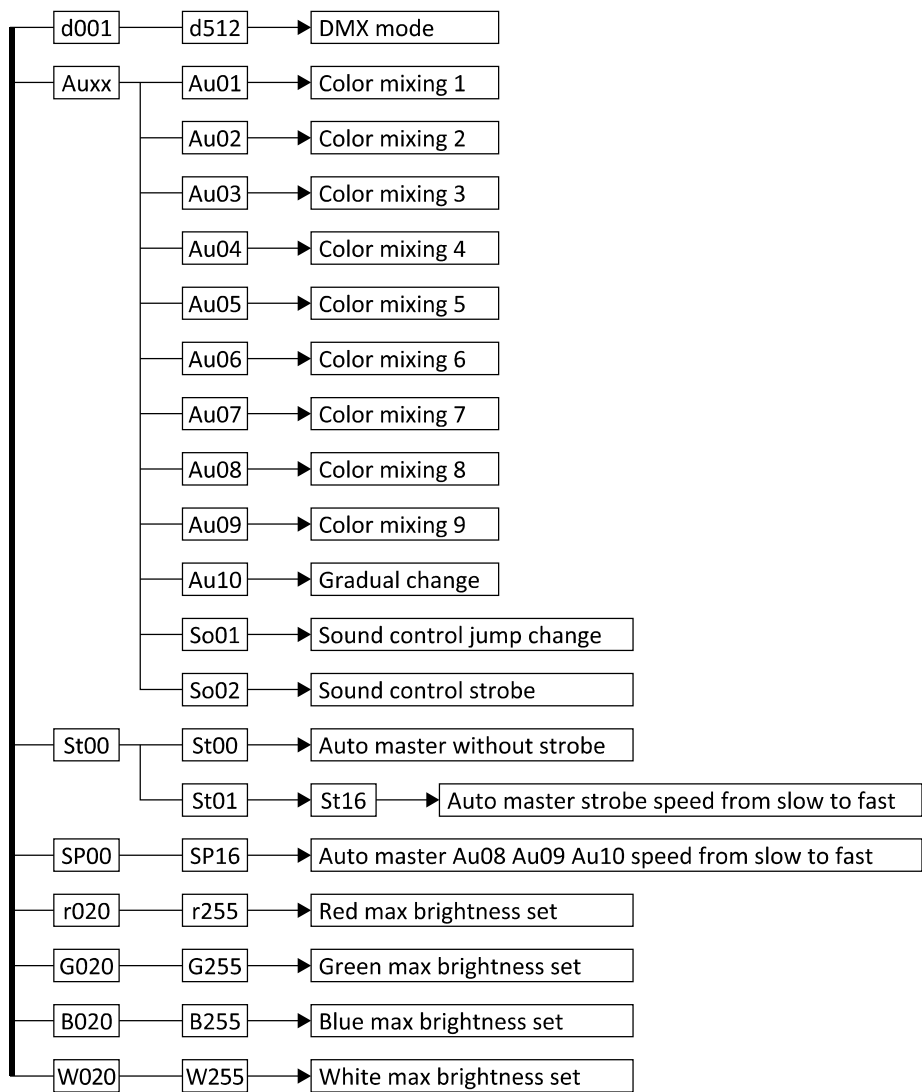
**MENU:** Select menu options or exit menu controls

**UP:** Increases parameter

**DOWN:** Decreases parameter

**ENTER:** Confirms parameter or enters submenu options

**Program Menu Functions:**



**DMX/Slave:**

Your Talent PAR910 fixture may be operated as a stand-alone device that runs on pre-programmed routines or sound activation, in master/slave mode with other devices, or via an external DMX512 controller. In DMX mode it is configurable to be controlled by 8 channels of an outboard DMX controller.

- Select desired DMX channel in which the fixture shall operate (there are 512 useable channels; d001-d512).
- Use the UP and DOWN buttons to change channel.
- Press ENTER to confirm - LED display will show the DMX channel the light is set to.

### DMX Channels:

- Press MENU until the LED display shows d001 - d512.
- Use the UP and DOWN buttons to change DMX channel.
- Press ENTER to confirm - LED display will show the DMX channel the light is set to.

### 8-Channel

Channel	Value	Function
CH1	0-255	Dimmer
CH2	0-255	Strobe
CH3	0-255	Macro Function
CH4	0-255	Macro Function Speed
CH5	0-255	Red Dimmer
CH6	0-255	Green Dimmer
CH7	0-255	Blue Dimmer
CH8	0-255	White Dimmer

### Auto Mode:

- Press MENU until the LED display AuXX (Au01 - Au10, So01, So02).
- Use the UP and DOWN buttons to change the auto program.
- Press ENTER to confirm - LED display will show the auto program the light is set to.

LED Display	Function
Au01	Color Mixing 1
Au02	Color Mixing 2
Au03	Color Mixing 3
Au04	Color Mixing 4
Au05	Color Mixing 5
Au06	Color Mixing 6
Au07	Color Mixing 7
Au08	Color Mixing 8
Au09	Color Mixing 9
Au10	Gradual Color Change
So01	Sound Active - Jump Change
So02	Sound Active - Strobe

### Strobe Mode:

- Press MENU until the LED display StXX (St00 - St16).
- Use the UP and DOWN buttons to change the strobe program.
- Press ENTER to confirm - LED display will show the strobe program the light is set to.

**Note:** St00 uses the Auto Master program without a strobe. St01 - St16 uses the Auto Master program with a strobe with St01 being the slowest and St16 the fastest.

LED Display	Function
St00	Auto Master - No Strobe
St01 - St16	Auto Master - Strobe Speed

**Auto Master Speed Adjustment:**

- Press MENU until the LED display SPXX (SP00 - SP16).
  - Use the UP and DOWN buttons to change the speed of the Auto Program, this only applies to Au08, Au09, Au10.
  - Press ENTER to confirm - LED display will show the speed the auto program is set to.
- Note:** SPXX controls the speed of Auto Programs Au08, Au09, Au10 ONLY. SP00 is the slowest, while SP16 is the fastest

**Technical Specifications:**

- LEDs:..... 9 x 10W 4-in-1 RGBW LEDs
- DMX Channels: ..... 8
- Modes:..... DMX512, master/slave, auto, sound active, strobe
- Programs:..... Static color, color change, strobe, dimmer, gradient, fade, jump, sound active
- Control Panel: ..... LED Display
- Control In/Out: ..... 3-pin DMX in & out connectors
- Power Input: ..... 100-240 VAC, 50-60 Hz
- Power Consumption:..... 100 watts
- Dimensions: ..... 8.5" L x 8.5" W x 3.5" D
- Weight: ..... 3.9 lbs.

**APPENDIX:**

**DMX General Information**

The DMX512 digital communication protocol was introduced to control stage lighting and special effects.

The DMX standard features 512 available channels, and they are assignable in any sequence that conforms to the user's needs. Each DMX-capable fixture requires one or more sequential channels. A starting address, which indicates the first control channel reserved for that particular fixture, must be assigned to the fixture before the controller can recognize it. DMX controllable fixtures may vary in the number of channels they require, depending on the fixtures features and/or functionality.

Channels should never be permitted to overlap; otherwise, for example, a fader that controls blue output on one fixture may cause strobing or dimming on an adjacent, incorrectly assigned fixture. Multiple fixtures of the same type that use an identical starting address will function in unison. Fixtures assigned properly spaced starting addresses will operate individually, but a DMX controller with sufficient channels can be configured to run these same fixtures either combined or independently.

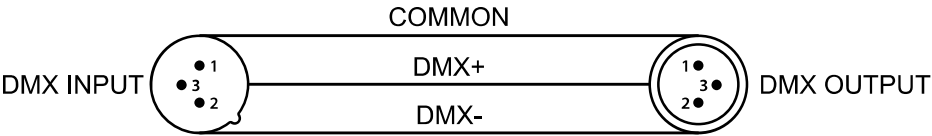
The sequence in which DMX fixtures are connected has no effect on how a controller communicates with each individual lighting fixture. Although 3-pin XLR mic cables may be used to connect DMX fixtures over short runs, longer distances will introduce data errors due to the mic cable's incorrect impedance. For best results, Talent Sound & Lighting recommends the use of correct 120 ohm, low-capacitance, twisted pair cable designed for the DMX512 protocol. It is also suggested that a termination resistor plug be used on the output connector of the last fixture in an array of DMX instruments. This resistance ensures proper data transmission.

## DMX512 Connections

DMX512 is a widely used protocol for intelligent lighting control, with 512 available channels. Even if you do not wish to operate your Talent lighting fixture via an outboard DMX controller, utilizing the master/slave mode will still require unit-to-unit connection by proper DMX cables.

**Caution:** Common microphone cables may be used to connect small numbers of DMX fixtures over short distances, but offer the risk of erratic operation. Use of correct DMX cables greatly reduces data errors caused by improper connection.

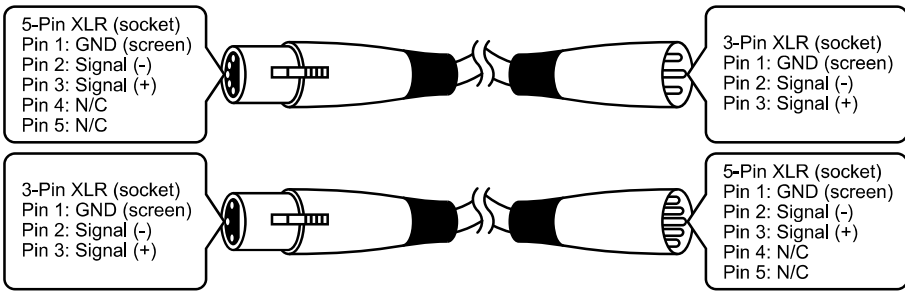
- If you are using a controller with 5-pin DMX output, use a 5-pin to 3-pin adapter cable.
- Connect fixtures together in a “daisy chain” by connecting the DMX output of the first fixture to the DMX input of the next fixture. This cable cannot be branched or split by a “Y” cable. Inadequate or damaged cables, bad solder joints, or corroded connectors can easily distort the signal, cause errors, and shut down the system. Never allow contact between the data common/shield connection (XLR Pin 1) and the fixture’s chassis/electrical ground.
- The DMX output and input connectors are pass-through to maintain the DMX circuit if power to one of the units is disconnected.
- On the last fixture, the DMX output should be terminated with a terminator to reduce signal errors. Solder a 120 ohm 1/4 watt resistor between pin 2 (DMX-) and pin 3 (DMX+) on a 3-pin XLR plug and connect it to the DMX output of the last fixture.



Termination reduces signal errors and to avoid signal transmission problems and interference. It is always advisable to connect a DMX terminal. (Resistance 120 ohm 1/4W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.



Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors into a 3-pin line, a cable adapter must be used. The chart below details the correct cable conversion.



**5-Year Warranty**  
See [talentaudio.com](http://talentaudio.com) for details



[www.talentaudio.com](http://www.talentaudio.com)

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