



PS250

Wireless Color LED fixture

Introduction

PS250 Wireless LED Color Fixture

ColorMaker Inc. has taken the next step to bring you the latest technology in wireless LED lighting Products. The PS250 wireless LED fixture uses 216 super bright LED to create millions of brilliant colors. Fixture includes our ColorRoll technology and many more added features.

Mobility is a key feature of our technology for the entertainment industry. All our ColorMaker line of LED fixtures operate from a 12 volt battery pack. Wall adapters are also available for permanent locations.

We incorporate the latest technology in wireless communications essential for todays growing wireless devices. Microprocessor controls all the functions of the PS250 including error checking of the data received from the remote. We use encrypted data to ensure other devices operating on the same frequency will not affect the operation of the fixture such as wireless microphones.

PS250 Control Panel

The PS250 fixture incorporates our new Auto Address technology. The Auto Address technology automatically sets the fixture address to one of 1024 channels used by the remote transmitter.

Indicator Light

The indicator light identifies one of three settings the PS250 can be run from.

Green - Fixture is set to run with ColorRoll Disabled.

Red - Fixture is set to run with ColorRoll Enabled

Orange - Fixture is in Auto Address Mode waiting for signal from transmitter.

Green / Red (Blink) Power Saver Mode. This mode will mimic the light output of the popular DCR-54-70 fixture.

Auto Addressing

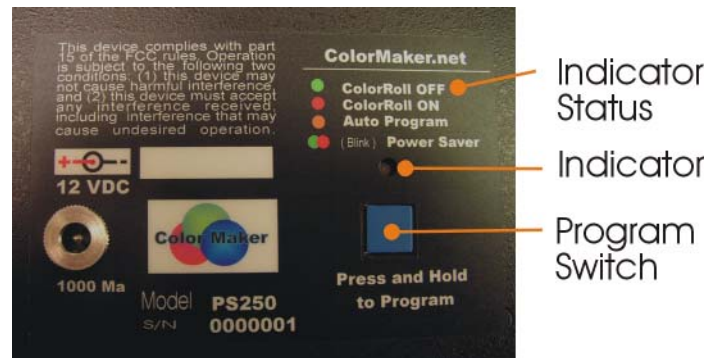
The auto address feature automatically sets the address from the data received from the transmitter. The PS250 must be set to receive the address codes before the data is sent from the transmitter. Follow these next steps to program address.

- 1) Power up the PS250
- 2) Press and Hold the Program Button until the indicator light turns Orange. This identifies the PS250 is ready to receive address codes from the transmitter.

Be sure you don't have any other transmitter operating within the range of the PS250 being programmed.

- 3) Select the Q button on the transmitter you want to use to control the fixture then adjust the dimmer levels by pressing the UP keys on the Red, Green or Blue.

Once you have done this the indicator light on the PS250 will turn Green identifying the address has be set. This procedure can be performed as many time as needed.



ColorRoll Option

After the address has been set you can adjust the PS250 ColorRoll option. This option is identifies by the indicator light. Red identifies ColorRoll is enabled and Green identifies ColorRoll is disabled.

The ColorRoll option can be changed by pressing the Program button. Be sure to press and release the program button within 1 second or the fixture will start the Auto Address mode.

Power Saver Mode

Power save mode when enabled sets the fixture light output to match the light output of the popular DCR-54-70 fixture with will allow integration of the PS250 into your inventory of DCR-54-70. The PS250 can be switched from power save to full output mode at any time. When power saver mode is active the indicator light will blink and when in full power mode the indicator light will stay on. ColorRoll option as previously discussed still applies for both modes.

Steps to switch beteen Power Saver mode and Full Power Mode.

With the fixture un-plugged press and hold the Program button. While still holding down the program button plug in power connector. When indicator lights the release program button. This will switch the power save mode. Follow these steps to swtich back to previous mode.

PS250 Power Supply

Use only ColorMaker approved power supplies. ColorMaker recommends GL122500 wall adapter or D1240 Battery pack. At full power the PS250 requires 1000 Ma.

Mounting PS250

When choosing a location for the PS250 fixture whether is be a permanent location or a temporary setup its best to keep all metal object such as trusses and metal conduit as least 3 inches away from antenna. For the best performance its recommended that the antenna be positioned as vertical as possible.

Specifications:

Electrical: 12 Volt 1700 Ma
Operating Temperature: -30^o C to +70^o C
Duty Cycle: 100%

LED bulb life: 100,000 Hours
LED Beam angle: 30 degrees
Total MCD: 943,000

Physical Specifications

Length: 2.4 inches
Width: 10 inches
Height: 4.5 inches (without antenna)

Weight: 3 lbs

Light output Specifications

Color	Dominant Wave length (nm)	Luminous Intensity (mcd)	Beam angle (deg)
Red	628	3500 X 72 (252,000)	60
Green	525	7500 X 72 (540,000)	60
Blue	465	2100 X 72 (151,200)	60

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Warranty

ColorMaker Inc. hereby warrants, to the original purchaser, ColorMaker Inc. products to be free of manufacturing defects in materials and workmanship for a period of (90 days) from the date of purchase. This warranty shall be valid only if product is purchased within the United States of America. It is the owners responsibility to establish the date and place of purchase by accepting evidence, at the time service is sought.

For warranty service, send the product to the ColorMaker Inc. factory. All shipping charges must be prepaid. Equipment must be sent in its original package and to include all control devices.

Warrant is void if serial number has been altered or removed, seals have been voided, if the product is modified in any manner which ColorMaker Inc. concludes, after inspection, affects the reliability of the product; if the product has been repaired or services by anyone other than ColorMaker Inc. unless prior written authorization was issued to purchaser.

ColorMaker Inc. reserves the right to make any changes in the designs and/or improvements upon its products without any obligation to include these changes in any products theretofore manufacture.

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