

# **INSTRUCTIONS**

## **RF2000 Transmitter and Receiver**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the party responsible for FCC compliance could void the user's authority to operate the equipment.

### **Installation Instructions**

1. Set the local address code in the receiver by switching dipswitches 5 and 6 inside of the receiver. The default channel is Channel 1.
  1. Turn power switch and colorwheel switch on the side of the PG2000 unit to OFF.
2. Remove PG2000 body.
3. Very Carefully straighten out the antenna on the receiver module.
4. Place receiver module on the left side of the unit next to the ballast. Look for the ribs as a guide. The 4 pin plug should face the back of the unit and the antenna should face forward. Use the double sided foam tape to hold the receiver in place
5. Plug the 4 pin connector from the PG2000 into the 4 pin connector from the RF2000. The plug coming out of the RF2000 basically does a U turn and heads toward the PG2000 plug. You may have to shift the receiver module around a bit to get your hands in to make the connection
6. Drape the antenna forward into the fiber conduit area. It should stay on the outer perimeter of this area curving around to the front of unit. Keep the antenna as straight as possible.

7. Make sure the receiver module will clear the body and the entire antenna remains inside of the PG2000 housing.
8. Replace the PG2000 body
9. Switch power switch to RF2000 position. The colorwheel switch remains in the off/RF2000 position.
10. Install the 9V battery in the transmitter.

## **Operating instructions**

1. The 4 buttons along the top of the transmitter are the channel buttons. Depress the appropriate channel you would like to operate. The channel button is activated if it is in the depressed position. The default setting in all receivers is channel 1.
2. To turn on the unit press the “power on” function button. The beeping sound indicates that a signal is being sent. Hold down the button until the unit turns on. This should happen immediately but there may not be a visible indicator since the bulb must first warm up. The transmitter will only send a signal for 5 seconds as indicated by the beeping.
3. To turn on the colorwheel press the “color on” function button. The beeping sound indicates that the signal is being sent. There is a 1/2 second delay once it has received the signal.
4. To freeze on a color simply press the “color off” function button. If you turn the power off, it will also shut off the colorwheel.
5. If the unit is cycled off then on it may take up to 3-4 minutes for the lamp to “restrike” or come back on. All metal halide lamps have this characteristic and this is a normal function of the PG2000.