

# Troubleshooting Information

## Forerunner Color Changers / Power Supply System Level

### TROUBLESHOOTING

**1. Symptom: A color changer does not track the same colors with the others.**

- a. Problem: The gel string is installed incorrectly. When loading the gel string, be careful the leader does not take an extra wrap around the drive roller when the color changer reaches the “tape gel string to spring roller” position. The momentum of the gel string, particularly those with thick gels, can cause this wrapping.

Remedy: Reload the gel string. Rest fingers lightly on the drive roller as the gel loads to prevent over-wrapping.

### FORERUNNER FAQ

**1. Can I run Forerunner color changers off of Coloram II Power Supplies, or the reverse?**

NO! The two systems have their power connections reversed. Connecting Forerunner products to Coloram II products or visa-versa will cause serious equipment damage.

**2. How many frames are there in the Forerunner gel string?**

The gel string has 16 frames. The overall length of the string is fixed.

**3. How much Forerunner cable can I use?**

You can use up to 350 feet of Forerunner cable per power supply output with up to 8 color changers anywhere along the 350 feet of cable.

**4. How many Forerunners can I run off of a power supply? Off one output?**

You can run 16 Forerunners per power supply with up to 8 color changers per output connector.

**5. Do the power supplies or color changers need data termination plugs?**

No.

**6. What tape should I use to attach the gel string to the rollers?**

We recommend Permacel Gaffers tape. It performs outstandingly in both hot and cold conditions, and leaves little if any residue on the rollers, making gel string changes easier.

**7. How can I get longer life from my gel strings?**

A high quality IR shield will minimize heat damage. Keeping the gel string cleaned when effects oils are present will prevent the string sticking to itself and tearing.

**8. Can I power the power supplies from a dimmer?**

No. Power fluctuations and varying ground potentials can seriously damage the power supply.

**9. What fuses are used in the Forerunner Power Supply?**

The power supply uses a 2 amp slo-blo at 115VAC or a 1 amp slo-blo at 230VAC.

**10. What fuses are used in the Forerunner color changer?**

None

**FORERUNNER PREVENTATIVE MAINTENANCE**

1. Inspect gel strings routinely for tears, dirt, and excessive heat wear. In addition to causing initialization problems, worn gels can bind against the roller flanges, causing excessive drag on the motor and/or damage the spring roller.
2. Replace any damaged cables immediately.
3. Periodically verify that all outer screws on the power supply are tight. After several tours, they can work loose, even though installed with Loctite.