

COLORAM II TROUBLESHOOTING

Troubleshooting

Symptom: Units will not initialize or respond to commands after init.

Problem: Coloram II heads in 24 channel mode, powersupply in 12-channel mode.
Remedy: Set all components to either 12 or 24 channel mode.

Symptom: Units will not initialize or respond after init, system configured properly.

Problem: Damaged circuit card, either powersupply or head unit.
Remedy: Use alternate powersupply port or replace/repair head unit card.
Possible causes: Bad earth ground, PSU powered from dimmer rack, defective cable, severe voltage fluctuations.

Symptom: Units run erratically, or quit running after a period of time.

Problem: Low voltage to head units.
Remedy: Re-configure cabling to bring head feet per powersupply output within spec.

Symptom: Head unit blows fuse during initialization

Problem: Sensor not reading gelstring tags.
Remedy: Clean sensor, inspect gelstring for tears in seams.

Symptom: Head unit blows fuse, sensor and gelstring ok.

Problem: Motor is drawing excessive current.
Remedy: Replace motor. If fuses are simply replaced, or larger values substituted, the motor will eventually draw enough current to damage the circuit cards driver circuit.

Symptom: Head unit will not track properly

Problem: Worn or dirty gelstring misread during initialization.
Remedy: Clean sensor, dirt and smudges from bottom edge of gelstring. Replace gelstring if excessively worn.

Symptom: Head unit will not track properly, sensor and gelstring ok.

Problem: Roller flange glue joint has broken.
Remedy: Have roller repaired or replaced.
Note: Broken roller joints will also cause the gelstring to lose tension.

Preventative maintenance

- Inspect gelstrings 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.
- Clean the sensor periodically with a damp cloth, especially when effects oils are used in a production. (Coloram only)
- When possible, blow any accumulated dust and dirt from the unit with compressed air.
- Replace any damaged cables immediately.
- Periodically verify that all outer screws on the powersupply are tight. After several tours, they can work loose, even though installed with Loctite.

COLORAM II FAQ

How many frames are there in the gelstring?

The gelstring can be any number of frames between 2 and 32. The length of the string is automatically detected during initialization.

How much cable can I use?

Each powersupply output can accommodate 1500 head feet for the 4" and 7" Coloram models, and 1000 feet for all others.

What is "Head feet?"

Head feet is not the total amount of cable used per output. Determine the total amount of cable used to reach each head unit. Then add these individual amounts together to arrive at head feet.

How many Colorams can I run off of one output?

The capacity of the powersupply can be run off one output, as long as head feet remains within limits. Excluding Goborams, those limits are:

19000 - 24 units

19012 - 12 units

19060 - 6 units

Do the Powersupplies or head units need termination plugs?

No.

Can I use Coloram I and Coloram II units together?

Coloram II units can function as Coloram I. Coloram I's can also function as Coloram II's if the software has been upgraded. (Note: with the exception of remote fan control).

In either situation, all units connected to a powersupply, and the powersupply itself, must be in the same mode.

What tape should I use to attach the gelstring?

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

How can I get longer life from my gelstrings?

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

Can I power the PSU's from a dimmer?

No. Power fluctuations and varying ground potentials can seriously damage the Coloram system.

What Fuses are used in the Coloram system?

4", 7" and 10" models = 1.5amp slo blo

Aquaram, 5K, 9-lite, 8-lite and LF Aquaram = 2amp slo blo

Powersupply = 7amp slo blo 120V 4 amp slo blow 240V

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