

**Release Notes**  
IR-5150 Power Control Series  
Version 1.0k  
July 2004  
450-0147F

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## Introduction

These release notes provide important information about the IR-5150 Power Control series product line. They cite supported features as well as any notes and restrictions for the following software version:

- Software Image Version 1.0k

### IMPORTANT

This release enables you to authenticate SCP (Serial Command Protocol) between the IR-5150 and a serial device. Once you set the username and password (be sure to record them both), the connection will only work on a serial device with that specific username and password enabled.

If you disable the CLI after setting an SCP admin username and password, the only way to recover is to reset to IR-5150 defaults via the factory reset button.

## New Features and Enhancements

The following new features are supported in this release of the LX software:

### Advanced Security Options

NOTE: These options are for use with the LX Series only. Although these commands exist on the IR-5150 CLI, they are normally administered from the LX-Series unit.

When you are managing an IR-5150 with an LX-Series unit, you can take security measures to restrict access to the IR-5150 CLI. The commands listed below detail enhanced security options available on the IR-5150.

- SET BUTTON - Enables or disables the reset button
- SET CLI - Enables or disables the CLI
- SET SCP - Enables or disables SCP (Serial Command Protocol)
- SET SCPAUTH - Enables or disables SCP authorization

Each of these commands has a corresponding SHOW command. Refer to the *Getting Started with the MRV Communications 5150 Power Control Series* manual for details on all the new commands.

## IR-5150 Management Methods

Two management methods are available to control the IR-5150 Series products:

1. Telnet to the serial port connected to the IR-5150 and manage the product with a CLI session native to the device. Use this management method when the IR-5150 is connected to the In-Reach IR series of products.

NOTE: Refer to *Getting Started with the MRV Communications 5150 Power Control Series* when the IR-5150 Power Control Series unit is connected to an IR-8000/9000 unit.

2. Manage the IR-5150 using the CLI commands or web interface found on the LX series products. Power commands on the LX are available to control the IR-5150 when the serial port connecting the IR-5150 is configured to 'Power Master'.

NOTE: Refer to the *LX-Series Configuration Guide* for Power Management commands when the IR-5150 Power Control series unit is connected to an LX unit.

## LX Series Notes and Restrictions

### Amperage Limitations

There are several amperage restrictions to consider when using the IR-5150 Power Control Series.

#### Input Current Limits

The input cord attached to the IR-5150 series unit limits total input current capacity. The unit's model number describes the input limitation. For example, the IR-5150-1108V is limited to 15 Amps of current. The first digit (number 1) in the 1108V number indicates the model is limited to 15 Amps (the "1" in 1108V representing 15). It then follows that the IR-5150-2108V model is limited to 20 Amps of input current (the "2" in 2108V representing 20). Therefore, any "3100" model, such as IR-5150-3116VL is limited to 30 Amps of total input current.

#### Individual Outlet Limits

Current on any individual outlet is not to exceed 10 Amps on a 120V output, or 6 Amps on a 220V output.

### Outlet Group Limits – 120V Model

The combined current consumption for the group of four outlets on a 120V model is not to exceed 15 Amps.

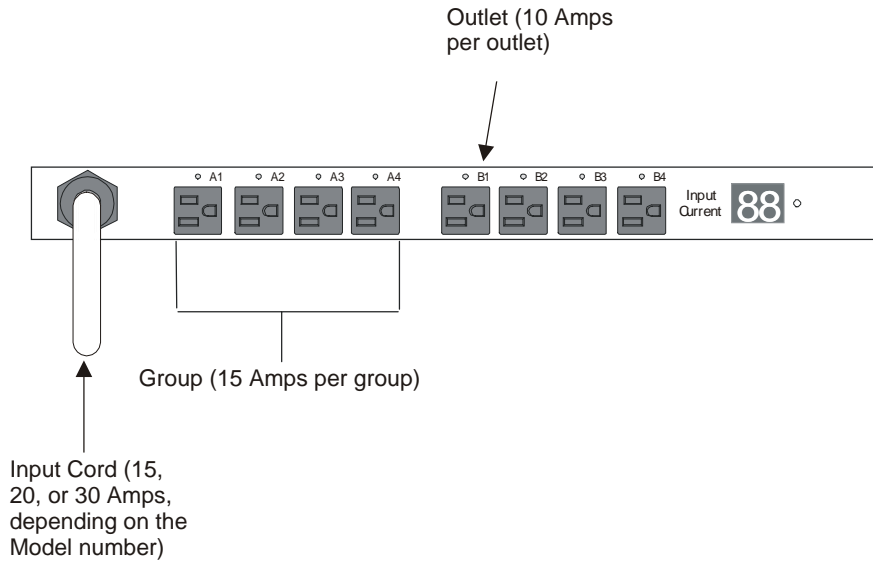


Figure 1 – 120V IR-5150 Power Control Series Amperage Issues

### Outlet Group Limits – 220V Model

The combined current consumption for the group of four outlets on a 208-240V model is not to exceed 10 Amps.

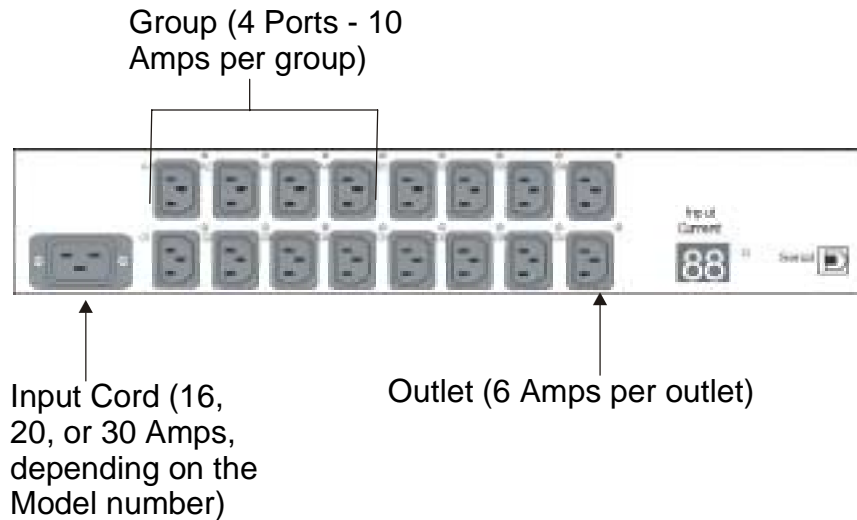


Figure 2 – 208-240V IR-5150 Power Control Series Amperage Issues

## **Current Monitoring**

The 2 digit current summary LEDs display current in 1/2-amp increments up to 9.5 amps. The display reports whole amp increments when reporting 10 amps of current and above. The management interfaces, CLI and web, report current in 1/8-amp increments. The two current measurements may report slightly different values due to the limitations of the displays and rounding math.

## **Issue Fixed in Release V1.0k**

NOTE: The present V1.0k release contained no fixes or feature enhancements.

Firmware was modified to support new versions of the internal hardware.

## **Issue Fixed in Release V1.0j**

NOTE: The V1.0j release added functionality only, and contained no fixes.

Previously, user accounts were lost when they were given administrative privileges. This occurred after a restart, followed by adding or changing more users, and then followed by another restart. This has been fixed.