WTI Part No.: 13832
Rev.: A

Distributed by
i-Tech Company LLC
TOLL FREE: (888) 483-2418 • EMAIL: info@i-techcompany.com •
WEB: www.i-techcompany.com

RSM-8R4 Series

Remote Site Manager + Power Control

Models Covered:
RSM-8R4-1
RSM-8R4-2

Quick Start Guide

Warnings and Cautions:
Installation Instructions

Secure Racking

If Secure Racked units are installed in a closed or multi-unit rack assembly, they may require further evaluation by Certification Agencies. The following items must be considered.

1. The ambient within the rack may be greater than room ambient. Installation should be such that the amount of air flow required for safe operation is not compromised. The maximum temperature for the equipment in this environment is 45°C. Consideration should be given to the maximum rated ambient.
2. Installation should be such that a hazardous stability condition is not achieved due to uneven loading.

Input Supply

Check nameplate ratings to assure there is no overloading of supply circuits that could have an effect on overcurrent protection and supply wiring.

Grounding

Reliable earthing of this equipment must be maintained. Particular attention should be given to supply connections when connecting to power strips, rather than direct connections to the branch circuit.

No Serviceable Parts Inside; Authorized Service Personnel Only

Do not attempt to repair or service this device yourself. Internal components must be serviced by authorized personnel only.

- **Shock Hazard - Do Not Enter**

Disconnect Power

If any of the following events are noted, immediately disconnect the unit from the outlet and contact qualified service personnel:

1. If the power cord becomes frayed or damaged.
2. If liquid has been spilled into the device or if the device has been exposed to rain or water.

1. Introduction

This Quick Start Guide describes a simplified installation procedure for the RSM-8R4 hardware, which will allow you to communicate with the unit in order to demonstrate basic features and check for proper operation.

Note that this Quick Start Guide does not provide a detailed description of unit configuration, or discuss advanced operating features in detail. For more information, please refer to the RSM-8R4 Series User's Guide, which can be found on the CDROM included with this Quick Start Guide or at our online user's guide archive at http://www.wti.com/guides/guidarch.htm.

2. Hardware Installation

2.1. Apply Power to the RSM-8R4

Refer to the safety precautions listed at the beginning of this User's Guide, and then connect the unit to an appropriate power source. Connect the power supply cable to the unit's power inlet, snap the Cable Keeper into place, and then connect the cable to an appropriate power supply. Refer to the table below for information concerning power requirements and maximum load.

Model No.	Total Outlets	Input Voltage	Input Feeds*	Max. Load*
RSM-8R4-1	4	100 to 120 VAC	(2 ea.) 15 Amp	12 Amps
RSM-8R4-2	4	100 to 240 VAC	(2 ea.) 10 Amp	10 Amps

* In accordance with UL requirements for branch circuits, the listed values for amperage ratings have been discounted by 20%.

When power is applied to the RSM-8R4, the ON LED on the instrument front panel should light, and the RDY LED should begin to flash. This indicates that the unit is ready to receive commands.

2.2. Connect your PC to the RSM-8R4

The RSM-8R4 can either be controlled by a local PC Serial Port, controlled via modem, or controlled via TCP/IP network. In order to select parameters, connect ports or control outlets, commands are issued to the RSM-8R4 via either the Network Port, Modem Port or Serial Setup Port.

- **Network Port:** Connect the RSM-8R4 10Base-T, half duplex network interface to your network.
- **Serial Port:** Use the supplied null modem cable to connect your PC COM port to either Serial Port 1 or Serial Port 2 (the System SetUp Ports)
- **Modem:** Connect your telephone line to the RSM-8R4 Phone Line Port.

3. Communicating with the RSM-8R4

When properly installed and configured, the RSM-8R4 will allow command mode access via Telnet, Web Browser, SSH client, modem, or local PC. However, in order to ensure security, both Telnet and Web Browser access are disabled in the default state. To enable Telnet and/or Web Browser access, please refer to the RSM-8R4 User's Guide.

Notes:

- Default RSM-8R4 serial port parameters are set as follows: 9600 bps, RTS/CTS Handshaking, 8 Data Bits, One Stop Bit, No Parity. Although these parameters can be easily redefined, for this Quick Start procedure, it is recommended to configure your communications program to accept the default parameters.
- The RSM-8R4 features a default IP Address (192.168.168.168) and a default Subnet Mask (255.255.255.0.) This allows network access to command mode, providing that you are contacting the RSM-8R4 from a node on the same subnet. When attempting to access the RSM-8R4 from a node that is *not* on the same subnet, please refer to the User's Guide for further configuration instructions.

1. **Access Command Mode:** The RSM-8R4 includes two separate user interfaces; the Text Interface and the Web Browser Interface. The Text Interface is available via Local PC, SSH Client, Telnet, or Modem and can be used to both configure the RSM-8R4 and create connections between ports. The Web Browser interface is only available via TCP/IP network, and can be used to configure the unit, but cannot create connections between ports.

   a) **Via Local PC:** Start your communications program and then press **[Enter]**.

   b) **Via SSH Client:** Start your SSH client, enter the default IP address (192.168.168.168) for the RSM-8R4 and invoke the connect command.

   c) **Via Web Browser:** Make certain that Web Browser access is enabled as described in the RSM-8R4 User's Guide. Start your JavaScript enabled Web Browser, enter the default RSM-8R4 IP address (192.169.168.168) in the Web Browser address bar, and then press **[Enter]**.

   d) **Via Telnet:** Make certain that Telnet access is enabled as described in the RSM-8R4 User's Guide. Start your Telnet client, and enter the RSM-8R4's default IP address (192.168.168.168).

   e) **Via Modem:** Use your communications program to dial the number for the line connected to the RSM-8R4's Phone Line port.

2. **Username / Password Prompt:** A message will be displayed, which prompts you to enter your username (Login) and password.. The default username is "**`super`**" (all lower case, no quotes), and the default password is also "**`super`**". If a valid username and password are entered, the RSM-8R4 will display either the Main Menu (Web Browser Interface) or the Port Status Screen (SSH, Telnet, or Modem.)

3. **Review Help Menu:** If you are communicating with the RSM-8R4 via the text interface (SSH, Telnet or Modem), type **`/H`** and press **[Enter]** to display the Help Menu, which lists all available RSM-8R4 commands. Note that the Help Menu is not available via the Web Browser Interface.

4. Connecting Ports and Switching Outlets

Although both the Text Interface and Web Browser Interface allow you to select configuration parameters, the Text Interface is always used when invoking commands to connect ports or switch outlets. If you have previously accessed command mode via the Web Browser Interface, exit command mode (log out), then re-enter command mode using the Text Interface as described in Step 1 in Section 3.

Proceed as follows to connect ports and switch outlets:

1. **Review the Help Menu:** At the Text Interface command prompt, type **`/H`** and press **[Enter]** to display the Help Menu, which provides a basic listing of all available RSM-8R4 commands.

2. **Creating Connections Between Ports:** The RSM-8R4 can perform two different types of port connections; Resident Connections and Third Party Connections:

    a) **Resident Connection:** Your resident port issues a /C command to connect to a second port.

        i. To connect your resident port to Port 3, type **`/C 3 [Enter]`**. While you are connected to Port 3, the unit will not recognize additional commands issued via your resident port. However, the unit will recognize a Resident Disconnect Sequence issued at either connected port.

        ii. Issue the Resident Disconnect Sequence (Logoff Sequence); type **`^X`** (press **[Ctrl]** and **[X]** at the same time).

b) **Third Party Connection:** Your resident port issues a /C command to create a connection between two other ports.

i. To connect Port 3 to Port 4, type **`/C 3 4 [Enter]`**.

ii. While Ports 3 and 4 are connected, your resident port will still recognize commands. Type **`/S [Enter]`** to display the Status Screen. The "STATUS" column should now list Ports 3 and 4 as connected and the other ports as "Free".

iii. Issue a Third Party Disconnect command; type **`/D 3 [Enter]`**. The unit will display the "Are you Sure (y/n)?" prompt. Type **`y`** and press **[Enter]** to disconnect.

iv. Type **`/S [Enter]`** to display the Status Screen. The "STATUS" column should now list Ports 3 and 4 as "Free".

3. **Controlling Outlets:** You may wish to perform the following tests in order to make certain that the switched outlets are functioning properly.

a) **Reboot Outlet:** At the command prompt, type **`/BOOT 1`** and press **[Enter]**. The status indicator for Plug 1 should go Off, pause for a moment and then go back On, indicating that the boot cycle has been successfully completed.

b) **Switch Outlet Off:** At the command prompt, type **`/OFF 1`** and then press **[Enter]**. The status indicator for Plug 1 should go Off, indicating that the command has been successfully completed. Leave Plug 1 in the "Off" state, and then proceed to the next step.

c) **Switch Outlet On:** At the command prompt, type **`/ON 1`** and press **[Enter]**. The status indicator for Plug 1 should then go back On, indicating that the command has been successfully completed.

4. **Exit Command Mode:** To exit command mode, type **`/X`** and press **[Enter]**.

This completes the Quick Start instructions for the RSM-8R4. Prior to placing the unit into operation, it is recommended to refer to the RSM-8R4 user's guide for important information regarding advanced configuration capabilities and more detailed operation instructions.

FCC Part 15 Regulation

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

> **WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment**

EMC, Safety, and R&TTE Directive Compliance

The CE mark is affixed to this product to confirm compliance with the following European Community Directives:

- Council Directive 89/336/EEC of 3 May 1989 on the approximation of the laws of Member States relating to electromagnetic compatibility;
  and
- Council Directive 73/23/EEC of 19 February 1973 on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits;
  and
- Council Directive 1999/5/EC of 9 March on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity.

Industry Canada

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This product meets the applicable Industry Canada technical specifications

The Ringer Equivalence Number is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices does not exceed five