



Start Here ▶▶

Follow these steps to setup your Real-Time Interface and Conversion Item 5000 (RIC1 5000)

Welcome! ⚠ Before You Begin

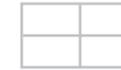
- Verify all contents are in your RIC1 5000 package:



RIC1 5000



AC Power Cable (Model 010-10 only)



RIC1 5000 Quick Start Guide



Sunhillo Product Information Card

- Have a network cable and associated connection port available
- Read through this entire guide before starting your actual setup
- Refer to the enclosed product information card for warranty information

⚠ Accessing Sunhillo's Support Website

A user account on the Sunhillo Website is required to access any documentation and support information, including *SUN2416 - RIC1 5000 Hardware User's Guide*. To create a user account:

1 Open your Web browser and enter the URL:



2 Under *Create An Account*, enter the requested information, then click **Register**.

Create An Account
Register for access to Sunhillo User manuals.

First Name:
Last Name:
Email Address:
Company:

Please add password@sunhillo.com to your email contact list.

Register

3 An email confirmation message appears. After receiving the email, click on the link to complete registration.



4 Enter the same password of your choosing in both fields, then click **Ok**.



5 Once complete, an *Account Registered* pop-up appears. Click **OK** and continue from Step 2 under *Accessing the Manual*.



⚠ Accessing the Manual

To access the product manual once you have a user account, go to <http://support.sunhillo.com/>, and follow these steps:

1 Under *Please Log In*, enter the requested information, then click **Login**.



2 At the **Sunhillo Product Support Page**, under **Downloads and Uploads**, and under the *RIC1 5000* folder inside the *Documentation* menu, click on *SUN2416 - RIC1 5000 Hardware User's Guide*, *SUN2353 - SureLine Core User's Guide*, or *SUN2298 - MPS WAN Protocol User's Guide*, as applicable.



RIC1 5000 Quick Start Guide

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D Initial RICI 5000 Setup

NOTE: RICI 5000-MPS users skip sections **D - F** in this quick start guide and refer to *SUN2298 - MPS WAN Protocol User's Guide*, Section 2.4, for network configuration.

The network and functional configuration of the RICI 5000 is performed using its built-in Graphical User Interface (GUI), and assumes a working Ethernet cable connection between the browsing computer's network port and the RICI 5000's **Eth0** port. The RICI 5000 uses static IP addressing, so the browsing computer must also be statically set on the same subnet. In addition, JavaScript and cookies must be enabled in the Web browser. Finally, the procedures described in this quick start guide only apply to IPv4 settings. For IPv6 addressing, refer to *SUN2353 - SureLine Core User's Guide*. The RICI 5000's Ethernet ports are set to the following default IP addresses:

- **Eth0:** 192.168.1.1
- **Eth1:** 192.168.2.1

F Functional Configuration

Refer to *SUN2353 - SureLine Core User's Guide*, for detailed information on using the GUI and concepts necessary for creating a configuration file as per your system requirements.

A summary of the process described in the manual follows:

1 Login to the GUI.
All functional configuration options are available from the *Configuration* menu on the menu bar.

2 You must create or edit a configuration file.
There are four open configuration file options under the *Configuration* menu: **New**, **Edit**, **Edit Active**, and **Edit Live**.
Refer to *SUN2353 - SureLine Core User's Guide* for the details of each option and selecting the option most suited to your needs. The name of the configuration file presently being edited is displayed in the center of the screen just below the main menu options.

E Network Configuration

Before starting the network configuration, set your PC to a static IP address of **192.168.1.x**, where **x** is a value from 2 to 254, then follow these steps:

1 Open your Web browser and enter the secure Web location of the RICI 5000's **Eth0** port: **https://192.168.1.1**

2 The **Status** screen appears. Select **Log In** from the **System** menu.



3 At the Login window, enter the case sensitive default **User ID** and **Password**:

User ID: **Admin**
Password: **Sunhillo**

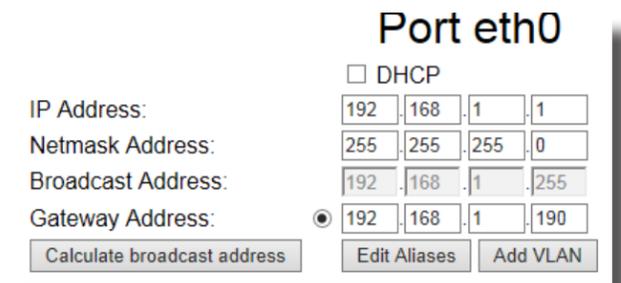
Click **Log In**.



4 Select **Network Config** from the **Administration** menu on the menu bar.



5 For each Ethernet port, the **IP**, **Netmask**, **Broadcast**, and **Gateway** addresses must be configured. The radio buttons next to the **Gateway Address** fields are used to select which gateway will be used. The **Broadcast Address** fields are greyed out since they cannot be entered manually. The **Calculate broadcast address** button is used to display the address for broadcast data, useful for checking for IP address conflicts.

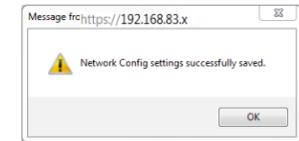


For more advanced routing information, refer to *SUN2353 - SureLine Core User's Guide*.

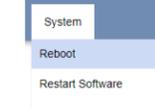
6 Once all of the necessary edits have been made, click the **Apply** button at the bottom of the screen.



7 Click **OK**.



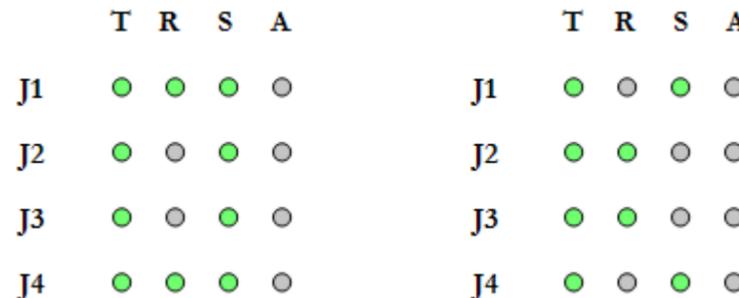
8 If applicable, select **Reboot** from the **System** menu on the menu bar to have the changes take effect.



RICI 5000 Front and Rear Panels

The RICI 5000's front panel supports the majority of its features. The RICI 5000 performs a Power On Self Test (POST) during power on or reboot. The POST is run on both the Ethernet and serial ports.

A successful POST is indicated by blinking "O K" on the LEDs as follows:



Should the LEDs indicate an error, refer to *SUN2353 - SureLine Core User's Guide* for possible troubleshooting options, or contact Sunhillo technical support.

1	Power Switch	Powers the unit on or off.
2	Ethernet Ports	Two Ethernet 10/100/1000Mbit connections, labeled Eth0 and Eth1 .
3	Maintenance Port	USB Mini-A port, typically used for debugging by Sunhillo technical support and RICI 5000-MPS configuration process.
4	LED Indicators	Lights are either green, red, or off to indicate status.
	TD/RD	Transmit Data/Receive Data
	RD/TD	Receive Data/Transmit Data
	SYNC	Synchronization with the data stream
	AUX	Unused
5	Serial Ports	Four RS-232/422 (EIA-530) Serial Port connections, labeled J1 , J2 , J3 , and J4 , supporting throughput between 2.4K and 115.2K bps.
6	M8 6-pin Port	M8 6-pin Circular Port for future expanded capabilities, labeled J5 . This port is capped on Revision E or later versions of the hardware.
7	Power Connector	Connection for the included AC power adapter (Model 010-10) or 12VDC (Model 010-12).

