

**UNPACKING INSTRUCTIONS**

1. Unpack the Red Lion unit and verify the following components are enclosed for the RAM-6021 Router: RAM-6021 & this quick start guide.



2. There are 2 methods to provide power to the router:
  - 4-pin screw terminal
  - Side mounted 2.5mm barrel connector

The router requires a power source between 8 and 30 VDC to operate:

LABEL	DESCRIPTION
GND	Ground
PWR+	Power 8 to 30 VDC (12 or 24 VDC nominal)
IN	Digital and analog input
OUT	Digital output

3. Connect to the WAN or LAN port for network connectivity.

**ACCESSING THE WEB USER INTERFACE**

1. **Connect PC to the RAM-6021 Router**

Connect a CAT-5 Ethernet cable between the local PC and the unit's Ethernet port. Verify that the green LED is lit.

2. **Setup PC IP Address**

For assistance with configuring your PC, see the appropriate Microsoft support webpage listed at: <http://support.microsoft.com>

**PC to Ethernet Interfaces**

Select "Use the following IP address" and fill in the blank fields with the information below:

	WAN/ETH0	LAN/ETH1
IP Address	192.168.0.2	192.168.1.2
Subnet Mask	255.255.255.0	255.255.255.0
Default Gateway	192.168.0.1	192.168.1.1
Preferred DNS	192.168.0.1	192.168.1.1

3. **Access Web User Interface**

Open a web browser and enter the following in the address bar:

- **WAN/ETH0:** <http://192.168.0.1:10000/>
- **LAN/ETH1:** <http://192.168.1.1:10000/>

**LOGIN INSTRUCTIONS**

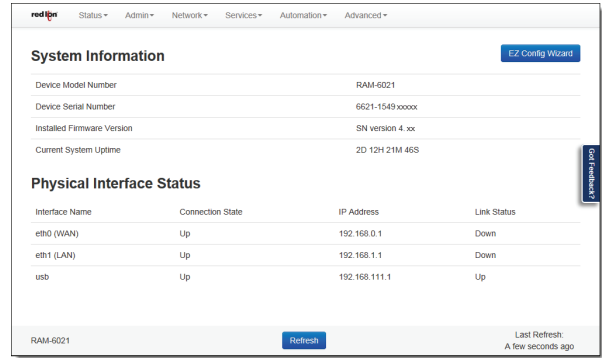
- **User Name:** admin (lowercase letters)
- **Password:** last six digits of the unit's serial number

Upon successfully logging in, the web UI will launch.

**Note:** For security purposes, it is recommended that the admin password be changed according to your internal policies.

To change password, go to: **Admin->Access Settings**.

**Web UI:**



You are now connected to the web interface. If you should see anything other than the screen shown above, please refer to the RAM-6021 User Manual, located on our website: [www.redlion.net](http://www.redlion.net).

For more information to set up Modbus features, please refer to the RAM-6021 User Manual.

**HARDWARE STATUS LEDs**

LED	State	Description
<b>Power</b>	ON	Power is applied to the router
<b>W</b>		View section 1.1.7 in Hardware Guide
	ON	Link established with serial device but no data activity
<b>RS232</b>	FLASH	Data transmitted/received with attached serial device
<b>Ethernet</b>	ON	Link established with Ethernet device

## INSTALLATION AND HAZARDOUS AREA WARNINGS

All power, input and output I/O wiring must be in accordance with Class I, Division 2 wiring methods are in accordance with the authority having jurisdiction. This equipment is suitable for Use in Class 1, Division 2, Groups A, B, C and D or Non-Hazardous Locations Only.

**WARNING - EXPLOSION HAZARD** - DO NOT DISCONNECT EQUIPMENT UNLESS POWER HAS BEEN SWITCHED OFF OR THE AREA IS KNOWN TO BE NON-HAZARDOUS.

**WARNING - EXPLOSION HAZARD** - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

**WARNING - EXPLOSION HAZARD** - BATTERIES MUST ONLY BE CHANGED IN AN AREA KNOWN TO BE NON-HAZARDOUS.

**WARNING** - EXPOSURE TO SOME CHEMICALS MAY DEGRADE THE SEALING PROPERTIES OF MATERIALS USED IN THE RELAYS.

## AVERTISSEMENTS POUR INSTALLATION ET ENDROITS DANGEREUX

Tout pouvoir, le câblage d'entrée et de sortie (I/O) doivent être conformes aux méthodes de câblage de Classe I, Division 2 et conformément à l'autorité compétente. Cet équipement est adapté pour une utilisation en Classe 1, Division 2, Groupes A, B, C et D ou endroits non-dangereux seulement

**AVERTISSEMENT - RISQUE D'AVERTISSEMENT** - NE DÉBRANCHEZ PAS L'ÉQUIPEMENT PENDANT QUE LE CIRCUIT EST DIRECT OU À MOINS QUE L'ENVIRONNEMENT SOIT CONNU POUR ÊTRE NON-DANGEREUX.

**AVERTISSEMENT - RISQUE D'EXPLOSION** - LA SUBSTITUTION DE TOUT COMPOSANT PEUT NUIRE À LA CONFORMITÉ DE CLASSE I, DIVISION 2.

**AVERTISSEMENT - RISQUE D'EXPLOSION** - LES BATTERIES DOIVENT SEULEMENT ÊTRE REMPLACÉES DANS UNE ZONE RECONNUE COMME ÉTANT NON-DANGEREUSE.

**AVERTISSEMENT** - L'EXPOSITION À CERTAINS PRODUITS CHIMIQUES PEUT DÉGRADER LES PROPRIÉTÉS D'ÉTANCHÉITÉ DES MATÉRIAUX UTILISÉS DANS LES RELAIS ÉTANCHE PÉRIPHÉRIQUE.