

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 USING AUTONET

1. Connect the RAM-6021 router to an existing network.
 - a. Connect an Ethernet cable between the router and your local corporate LAN or directly to your PC/Laptop.
 - b. Verify the green LED on the Ethernet port is lit.
2. RAM-6021 will obtain its IP address via DHCP if a DHCP server is present, if not the Ethernet interface will set a static IP and enable a DHCP server on the interface. If your PC is connected directly to the Red Lion router it will obtain a local IP address from the router.
3. Access Web User Interface

Open a web browser and navigate to `http://ram-<Last 6 of Ethernet MAC Address>`:

Example: <http://ram-6d3f11.local/>

ACCESSING THE WEB USER INTERFACE (TRADITIONAL METHOD)

1. Connect the PC to the RAM-6021 router.
 - a. Connect an Ethernet cable between the local PC and any available Ethernet port.
2. Setup PC IP Address.

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.

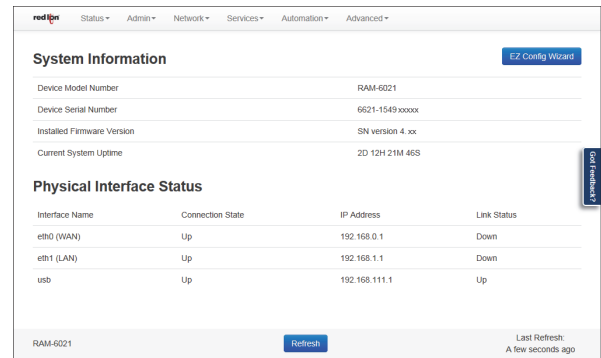
Note: For security purposes, it is recommended that the admin password be changed according to your internal policies.

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

If you have any problems getting connected, please refer to the Red Lion Software Manual located at:

www.redlion.net/sixnet_documentation.

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.

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

HARDWARE STATUS LEDs

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

RED LION CONTROLS TECHNICAL SUPPORT

If you have followed all of the instructions up to this point, are satisfied that you are not having an authentication problem and your unit is still not communicating, then it is time to contact Red Lion Technical Support at support@redlion.net or 1-877-432-9908.

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.

WARNING – POWER JACK CONNECTOR IS NOT TO BE USED IN HAZARDOUS LOCATIONS.

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.

AVERTISSEMENT – CONNECTEUR JACK D'ALIMENTATION NE DOIT PAS ÊTRE UTILISÉ DANS DES ENDROITS DANGEREUX.