

UNPACKING INSTRUCTIONS

1. Unpack the Red Lion unit and verify the following components are enclosed for the IndustrialPro Router: SN-6621 or SN-6601 and this Quick Start Guide.



Antennas and power supply sold separately

CDMA MODELS SN-6621 OR SN-6601

SN-6621-S (SPRINT); SN-6621-V (VERIZON); SN-6621-US (US CELLULAR) - units are carrier specific

1. The unit will need to be activated with a cellular carrier. If not, contact your cellular carrier and provide them with the ESN number located on the bottom label of the unit.
2. An antenna with an SMA connector should be connected to the router. This antenna should meet the following specifications:
 - Dual-band 800 & 1900 MHz
 - Nominal 50 ohm impedance
 - Voltage Standing Wave Ration (VSWR) less than 2.5:1
3. There are 3 methods to provide power to the router:
 - A. 4-pin Molex connector - available on SN6x00
 - B. 4-pin screw terminal - available on Sn-6xx1/EB
 - C. Side mounted 2.5mm barrel connector - all models
 - D. Power-over-Ethernet - available on SN-6x01EB

The modem required a power source between 8 and 30 VDC to operate:

LABEL	COLOR	DESCRIPTION
GND	Black	Ground
PWR+	Red	Power 8 to 30 VDC
IN	White	Digital and analog input
OUT	Green	Digital output

5. Please allow 2-4 minutes for the unit to recognize the cellular data card and connect to the cellular network. When this has occurred, the signal strength LEDs should light up (see table on back). If signal strength is not lit or flashes slowly, please refer to the User Manual at www.redlion.net.
6. Connect to the Ethernet RJ45 port for network connectivity.

ACCESSING THE WEB USER INTERFACE

1. **Connect PC to IndustrialPro Router**

Connect a CAT-5 Ethernet cable between the local PC and the unit's Ethernet port. Verify that the link 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:

Ethernet 0	
IP Address	192.168.0.2
Subnet Mask	255.255.255.0
Default Gateway	192.168.0.1
Preferred DNS	192.168.0.1

3. **Access Web User Interface**

Open a web browser and enter the following in the address bar:
<http://192.168.0.1:10000>

LOGIN INSTRUCTIONS

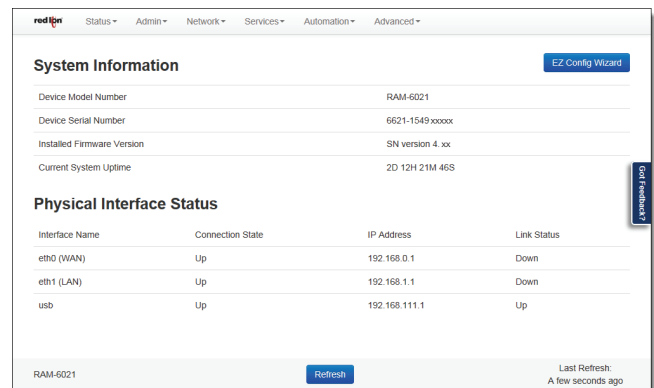
- **User Name:** admin (lowercase letters)
- **Password:** last six digits of the unit's serial number

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.

VERIFY CELLULAR CONNECTIVITY

Confirm the following on the web UI after logged into the unit:

Activation: “Succeeded” or “Unavailable”

Connection: “Enabled”

IP Address: Populated with a network IP address

Signal strength has GREEN bars populated. If you see any RED bars represented under signal Strength, please consult the User Manual. WAN (Eth0) should show up and show the network issued IP address.

If you were unable to confirm this status on the Summary page, please refer to the User Manual for troubleshooting steps on our website: www.redlion.net.

If you are able to confirm this status, then your unit is successfully connected to the cellular network via WAN (Eth0).

HARDWARE STATUS LEDs

LED	State	Description
Power	ON	Power is applied to the router
	ON	Excellent signal strength
Signal	FLASH	Flashes faster as signal is stronger
	OFF	Very weak or no signal (less than -100dBm)
WAN	ON	Wireless link established, but no data activity
	FLASH	Data transmitted/received on wireless network
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
	FLASH	Data transmitted/received with attached 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, are convinced that you have sufficient reception, 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 - SUBSTITUTION OF COMPONENTS MAY IMPAIR SUITABILITY FOR CLASS I, DIVISION 2.

WARNING - EXPLOSION HAZARD - WHEN IN HAZARDOUS LOCATIONS, DISCONNECT POWER BEFORE REPLACING OR WIRING UNITS.

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

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

AVERTISSEMENT - RISQUE D'EXPLOSION - LORSQUE DANS DES ENDROITS DANGEREUX, DÉBRANCHEZ LE CORDON D'ALIMENTATION AVANT DE REMPLACER OU DE BRANCHER LES MODULES.

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 LIBRE DE CONCENTRATIONS INFLAMMABLES

FCC COMPLIANCE STATEMENT

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 instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference to radio communications, in which case the user will be required to correct the interference at their own expense. 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.

Information to the user:

If this equipment causes interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: In order to meet FCC emissions limits, this equipment must be used only with cables that comply with IEEE 802.3. If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful: “How to Identify and Resolve Radio-TV Interference Problems”. This booklet is available from: U.S. Government Printing Office, Washington, DC 20402, Stock No. 004-000-00345-4