

Thank you for purchasing an ATM Router. The A-2200 can be used for IP ATMs over wireless. The A-2201 can be used for both Dial ATMs and IP ATMs over wireless. For more detailed specs and list of all supported ATMs go to: www.redlion.net.

UNPACKING INSTRUCTIONS

- 1 Unpack the A2200/A2201.
- 2 Verify the following components are enclosed (Figure A).

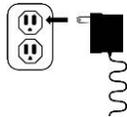
Figure A: Package contents:



Note: Non-US power supplies require customer-supplied power cord to connect power supply to AC power outlet.

If any items are missing, please contact us at: **800-489-7781**.

- 1 Plug the power supply into the wall outlet.
- 2 Plug the **12 Volt** cable from the power supply into the **power** port on the rear of the A2200/A2201.



- 3 Unpack unit, Uncoil and attach the antenna cable to the screw thread on the left / back of the unit.

FOR DIAL ATMs

- 1 Plug the telephone cable from the ATM into the box at the **TO TERMINAL** port on the back of the unit.

- 2 The following table lists the phone number to be dialed by the Dial ATM to select the Processor.

Dial ATM Phone #	Processor
1111	CDS Primary
1112	CDS Secondary
2222	Elan
3333	Switch Commerce
4444	RBS World Pay
5555	Metavante
6666	ASAI (Data Stream)

Note: Dial ATMs Baud Rate (modem speed) must be 2400bps.

Most ATMs can accept only four numbers. If ATM must have at least 7 numbers then 999-xxxx can be used. Example: for RBS World Pay: 999-4444.

FOR IP ATMs

- 1 Plug a RJ45 Patch Ethernet cable or a RJ45 Crossover Ethernet cable between the ATM's Ethernet port and WAN port on the Red Lion A2200/A2201. (The Wan port on the A2200/A2201 is "auto sensing").
- 2 Once the A2200/A2201 and the ATM are powered on please be sure the Yellow and/or Green LED is lit on the A2200/A2201 on the bottom side of the Ethernet Port.

The following tables are for Triton IP ATMs and Hyosung IP ATMs.

TRITON IP ATM SETUP

Host Processor	CDS	Elan	Switch Commerce
Communication Protocol	TCP/IP	TCP/IP	TCP/IP
Communication Message Format	Triton Standard TCP/IP	Triton Standard TCP/IP no CRC	Triton Standard TCP/IP no CRC
Host IP Address	192.168.1.1	192.168.1.1	192.168.1.1
Host IP Port	7000/7001	7002	7003
ATM IP Address	192.168.1.2	192.168.1.2	192.168.1.2
Subnet Mask	255.255.255.0	255.255.255.0	255.255.255.0
Default Router	192.168.1.1	192.168.1.1	192.168.1.1
Local Port (Incoming)	1000	1000	1000

TRITON IP ATM SETUP

Host Processor	Data Stream (ASAI)	RBS World Pay	Metavante
Communication Protocol	TCP/IP	TCP/IP	TCP/IP
Communication Message Format	Triton Standard TCP/IP	Triton Standard TCP/IP no CRC	Triton Standard TCP/IP no CRC
Host IP Address	192.168.1.1	192.168.1.1	192.168.1.1
Host IP Port	7004	449	450
ATM IP Address	192.168.1.2	192.168.1.2	192.168.1.2
Subnet Mask	255.255.255.0	255.255.255.0	255.255.255.0
Default Router	192.168.1.1	192.168.1.1	192.168.1.1
Local Port (Incoming)	1000	1000	1000

HYOSUNG IP ATM SETUP

Host Processor	CDS	Elan	Switch Commerce
Network Type	TCP/IP	TCP/IP	TCP/IP
TCP/IP Type Defined	Standard	Standard	Standard
CRC Check Mode (CRC Option)	Enable	Disable	Disable
EOT Customer Defined	EOT Required	EOT Required	EOT Required
SSL Option	Disable	Disable	Disable
Host IP Address	192.168.1.1	192.168.1.1	192.168.1.1
Host IP Port	7000/7001	7002	7003
ATM IP Address	192.168.1.2	192.168.1.2	192.168.1.2
Subnet Mask	255.255.255.0	255.255.255.0	255.255.255.0
Default Router	192.168.1.1	192.168.1.1	192.168.1.1

HYOSUNG IP ATM SETUP

Host Processor	Data Stream (ASA)	RBS World Pay	Metavante
Network Type	TCP/IP	TCP/IP	TCP/IP
TCP/IP Type Defined	Standard	Standard	Standard
CRC Check Mode (CRC Option)	Enable	Disable	Disable
EOT Customer Defined	EOT Required	EOT Required	EOT Required
SSL Option	Disable	Disable	Disable
Host IP Address	192.168.1.1	192.168.1.1	192.168.1.1
Host IP Port	7004	449	450
ATM IP Address	192.168.1.2	192.168.1.2	192.168.1.2
Subnet Mask	255.255.255.0	255.255.255.0	255.255.255.0
Default Router	192.168.1.1	192.168.1.1	192.168.1.1

Note: The ATM's Ethernet settings can be set to DHCP (Obtain IP Automatically).

Once the A2200/A2201 has been powered on you must wait for the signal strength meter to go solid before attempting a transaction. If you are using an A2201 for a dial ATM be sure the ON LED (the Green LED by the Dial Port) is lit as well.

The A2200/A2201 provides a signal strength meter (Light Bar) that can be used to assist in placing the external antenna in the optimum location to enhance the signal strength. The Light Bar provides a visual indication of the RSSI Signal Strength.

The Light Bar updates every 2 seconds. Therefore when moving the antenna around to find optimum signal strength be sure to leave it in place for at least 5 seconds before checking the signal again.

The Light Bar pulses once every two seconds until it establishes a PPP connection to the Tower. Once the Light Bar goes from pulsing every two seconds to being solidly lit the A2200/A2201 is connected to the Internet.

Lights	Signal Strength
Four LEDs	Excellent
Three LEDs	Good
Two LEDs	Poor
Top and Bottom LEDs flashing	No Signal
Top and Bottom Leds solid	Connected to the Network at a very low signal. The connection is unreliable and is highly recommended that other options are considered to improve signal.
1-4 LEDs strobing (on solid, flash, on solid, flash in a continuing sequence once every two seconds)	No PPP Connection. This is displayed when the connection to the cell tower is available but the connection through the cell network to the destination server is not established.
Four LEDs flashing rapidly	Low cell modem memory detected

Your ATM is now ready to process a transaction please complete a balance enquiry to test the machine.

TROUBLESHOOTING

- Move the antenna.
- Install a better antenna.
- Extension Cable to reposition the antenna.
- Install an In Line Powered Amplifier.

Before calling Technical Support, please fully program and test your ATM on a land line ensuring your ATM is functional. If you have followed these steps and your ATM is not working properly, please contact us at **1 877 432 9908**. Technical Support hours are Monday-Friday from 8:45 am to 5:30pm EST.

TERMS MAY APPEAR IN THIS MANUAL

Terms in This Manual WARNING. Warning statements identify conditions or practices that could result in injury or loss of life.



Terms on the Product



DANGER High Voltage

CAUTION. Caution statements identify conditions or practices that could result in damage to this product or to other property.

These terms may appear on the product: DANGER indicates an injury hazard immediately accessible as you read the marking. WARNING indicates an injury hazard not immediately accessible as you read the marking.

Caution indicates a hazard to property including the product.

SAFETY RULES

Please read the following safety information carefully before installing the Router

WARNING



Cover to be removed by qualified personnel.

- Disconnect power before servicing.
- The unit must be connected to an earthed (grounded) outlet to comply with international safety standards.
- Do not connect the unit to an A.C. outlet (power supply) without an earth (grounded) connection.
- If the Router is provided with an IEC320 plug, the appliance coupler (the connector to the unit and not the wall plug) must have a configuration for mating with an EN60320/IEC320 appliance inlet.
- The socket outlet must be near to the unit and easily accessible. You can only remove power from the unit by disconnecting the power cord from the outlet.
- This unit operates under SELV (Safety Extra Low Voltage) conditions according to IEC 60. The conditions are only maintained if the equipment to which it is connected also operates under SELV conditions.

OPERATING ENVIRONMENT

The following environmental conditions are required:

- Operating temp: 32° to 104° F maximum (0° to 40° C maximum)
- Storage temp: -40° to +158° F maximum (-40° to +70° C maximum)
- Relative humidity: 5% to 95% (non-condensing)