



External Ethernet Modem 9600 & 9700

TDN 07103-00246 September 5, 2014

CORPORATE HEADQUARTERS:

21405 B Street
Long Beach, MS 39560
Phone: (228) 575-3100
Fax: (228) 575-3101

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Software Dependency

A software update is required. The most current software and Release Notes are available for your unit on the Triton website (www.TritonATM.com), or contact Triton Technical Support. The software must be US 7.3 or later version.

****IMPORTANT****

Before proceeding to install the iLAN into a 9600 model ATM, there are components/modules that are required to operate the iLAN. You must have the following:

- A. SD04.00 EPROM or higher installed in the Memory module.
- B. Multifunction Module or Quad Port Module*

* If your machine contains a Quad Port Module, you will also need a Memory Expansion Module with 1 MB or higher of space. **Also, Quad Port Module numbers 09600-02030 and 09600-01013 are not compatible with the iLAN and should NOT be used.**

These items are **NOT** included in the iLAN external Ethernet option kit.

Document Updates

September 5, 2014 Original

iLAN Ethernet Box Upgrade Prep

Introduction

This section describes how to install the External Ethernet Box and associated hardware for 9600 and 9700 model ATMs. The table below lists the accessories and other components included in the External Ethernet Option kit.

Tools Required	Small flathead screwdriver #2 Phillips screwdriver 11/32 open end wrench Side cutters
KIT P/N: 06200-00246	External Ethernet Kit with Cables
PARTS SUPPLIED IN KIT	
Description	Quantity
Secure iLAN Device Server	1
Ethernet Cable	1
Secure External Ethernet Communication Cable	1
Velcro Loop-side Round Dot	2
Velcro Hook-side Round Dot	2
6" Ty Wraps	4

iLan Ethernet Box Installation

9700

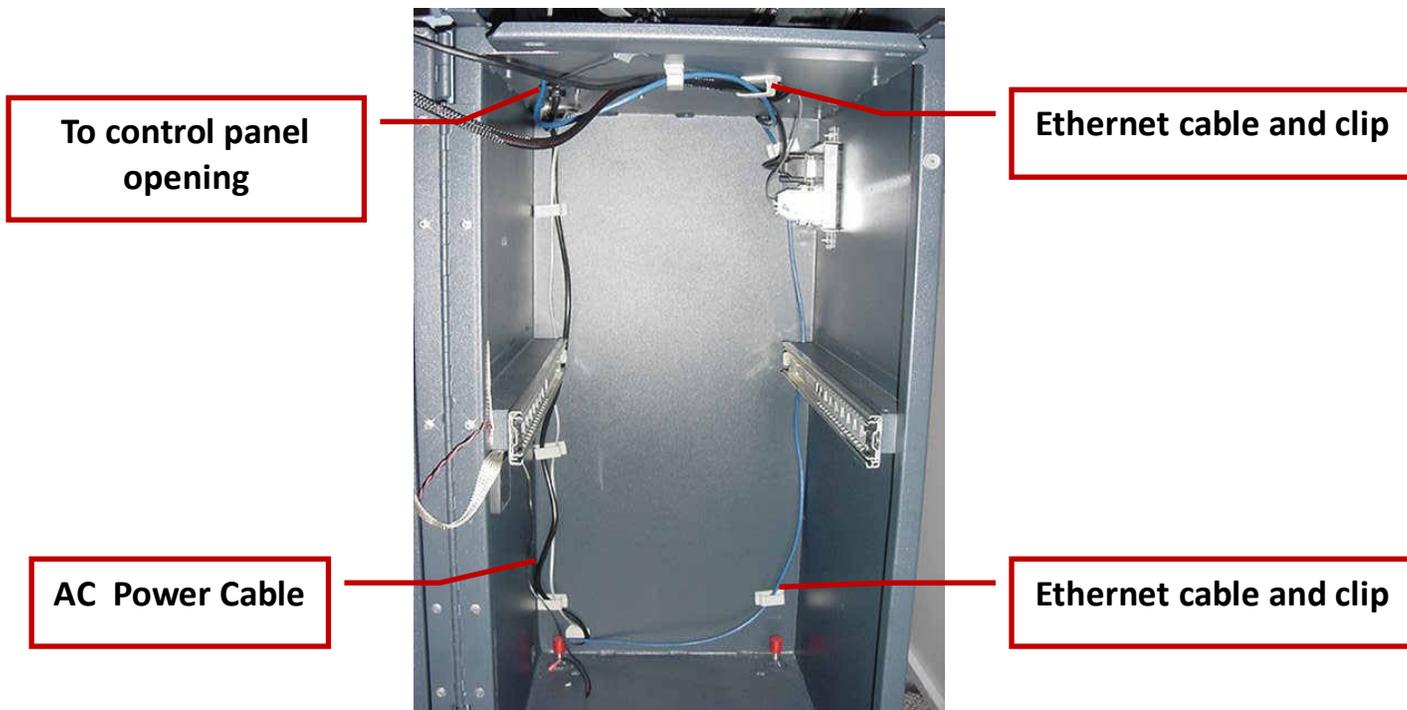
NOTE: If not factory installed, follow steps 2-4 to route and secure the Ethernet cable to the cabinet.

Step 1: Unlock and open the control panel. Turn the power supply switch to the OFF (0) position.

Step 2: Feed the Ethernet cable from your LAN network connection through the cabinet base cable entry located in the bottom right, back of the cabinet (shown below).

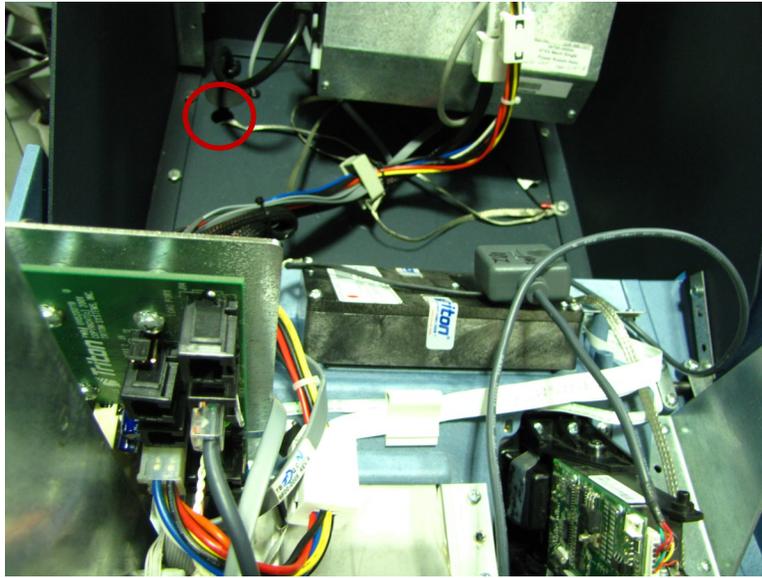


Step 3: Locate the (4) adhesive clips on the inside back wall. Feed the Ethernet cable through the clips and through the opening to the control panel. Cable is routed away from the AC power cable to minimize electromagnetic interference (shown below). You may have to remove the dispenser assembly for ease of cable installation.



EXTERNAL ETHERNET OPTION—INSTALLATION AND USER GUIDE

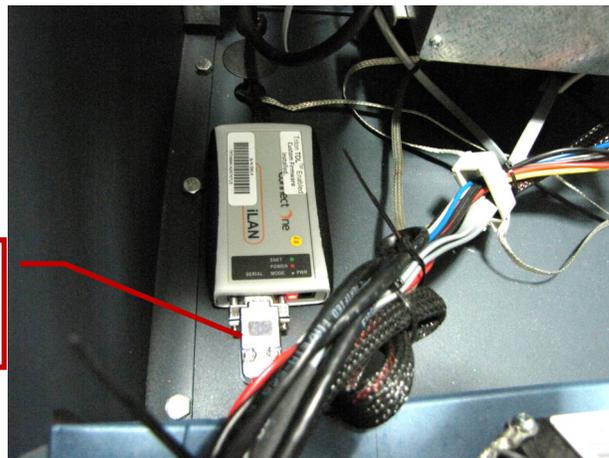
Step 4: Locate the strain relief grommet, insert cable, and close grommet. Insert grommet into the opening shown below. If you need to adjust the cable length, gently push/pull on cable to desired length.



Step 5: Obtain the iLAN box and the (4) Velcro pieces (2 soft, 2 hard). Peel the paper backing off the two soft pieces of Velcro. Adhere them to the bottom of the iLAN box. Once the soft Velcro is secured in place, Velcro the hard sides to the soft pieces.



Step 6: Connect the Ethernet cable to the back of the iLAN External Ethernet box. Locate the communication cable. Connect the 9-Pin connector end to the back of the iLAN box (depending on connector end, you may need a small flat screwdriver to secure).



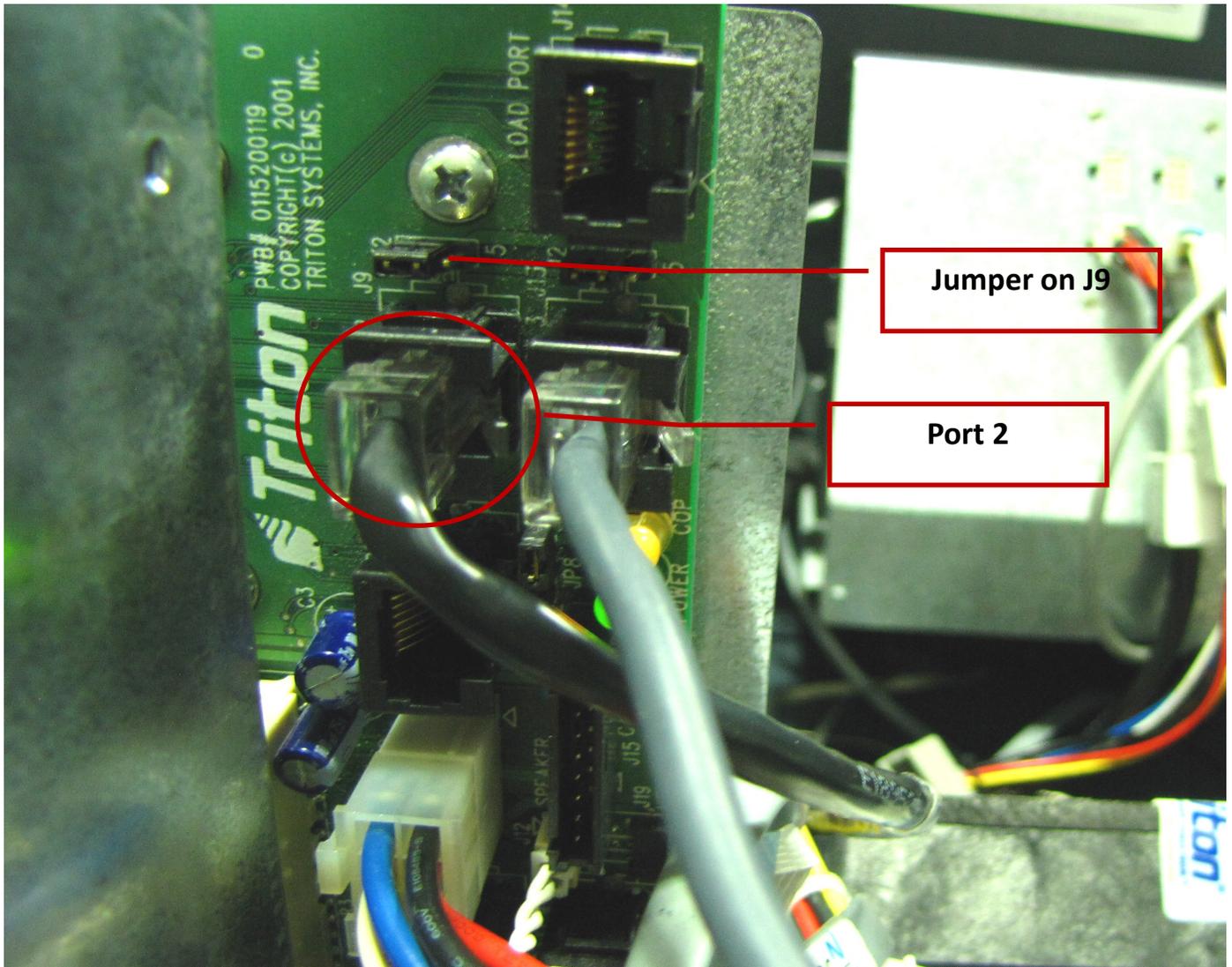
**Communication cable
(9-Pin connector end)**

EXTERNAL ETHERNET OPTION—INSTALLATION AND USER GUIDE

Step 7: Remove the paper backing from the hard pieces of Velcro. Place the iLAN box onto the surface of the cabinet.

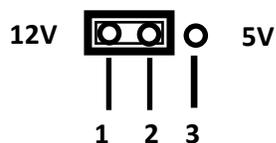
Step 8: Connect the RJ-45 connector end of the communication cable to **Port 2** of the Docking Board assembly.

Step 9: Locate **J9** just above Port 2. The jumper should be on **Pins 1 and 2** to provide the necessary +12VDC to the iLAN External Ethernet box.

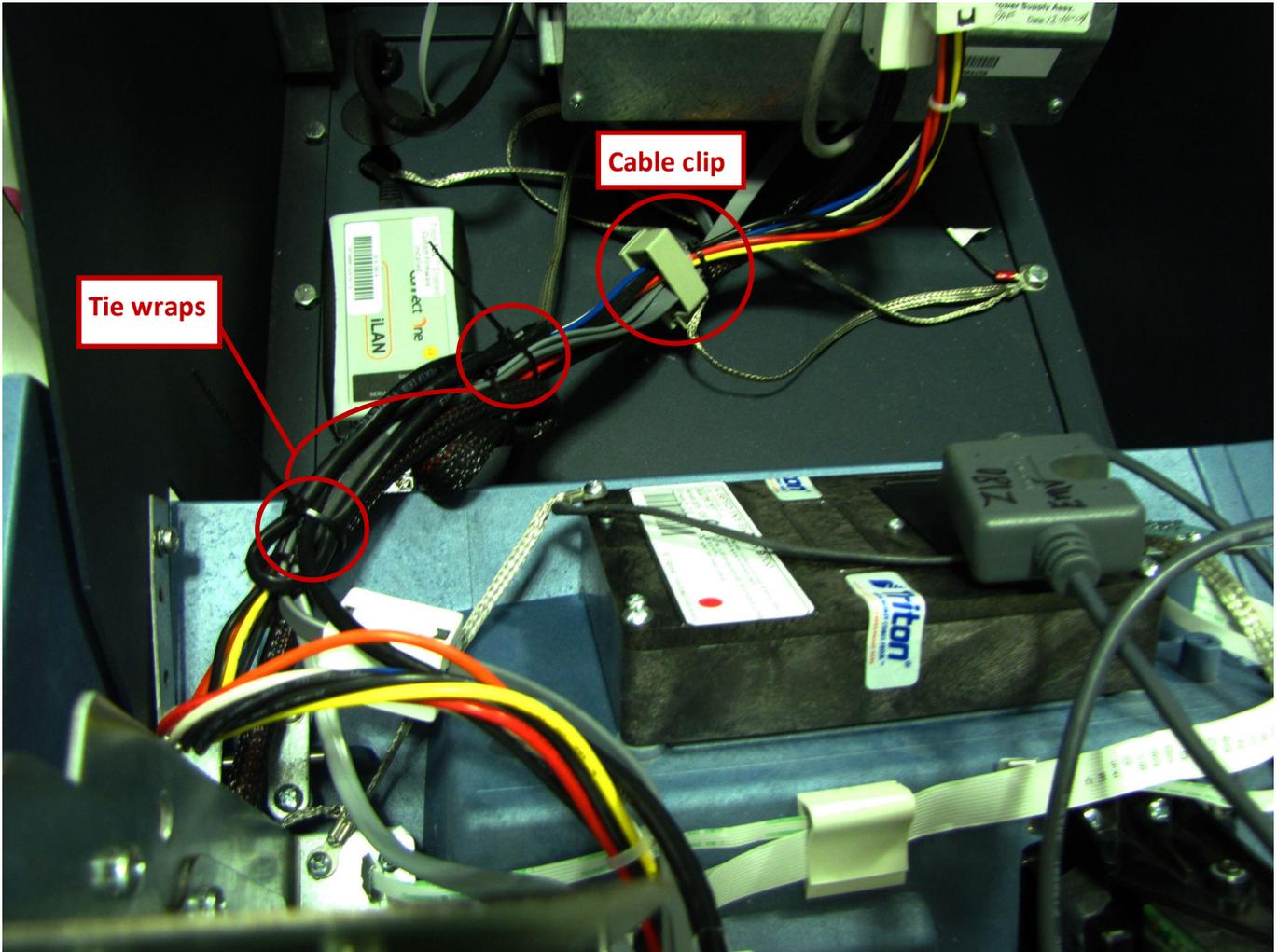


NOTE

Jumper on J9 must be on Pins 1 and 2.



Step 10: Secure the communication cable through the cable clip located nearby and tie wrap the remainder of the cable to the existing cable harness.



iLan Ethernet Box Installation

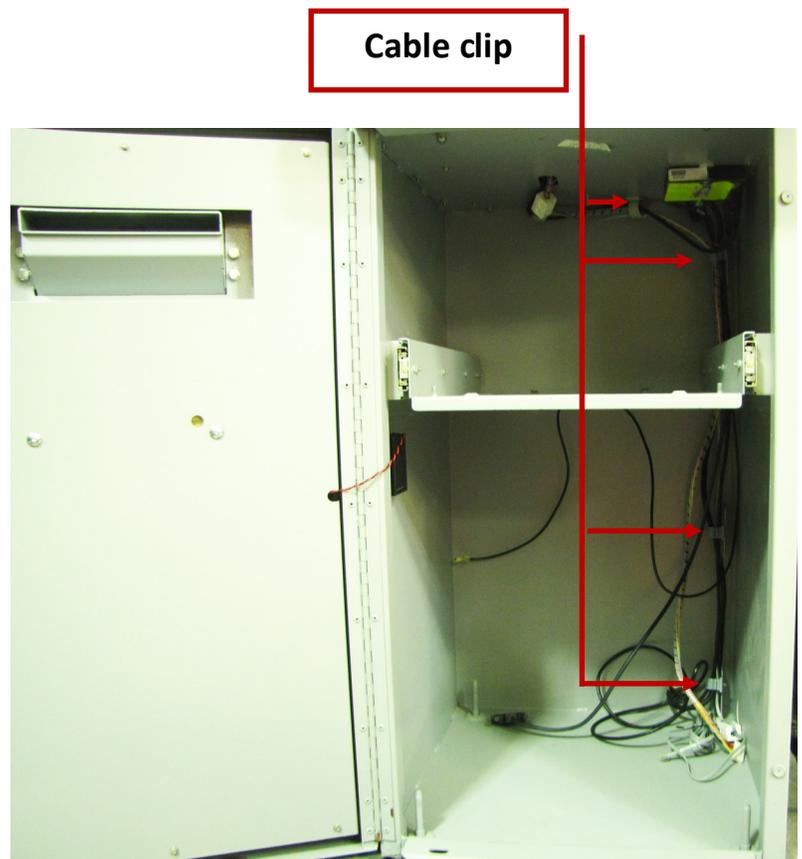
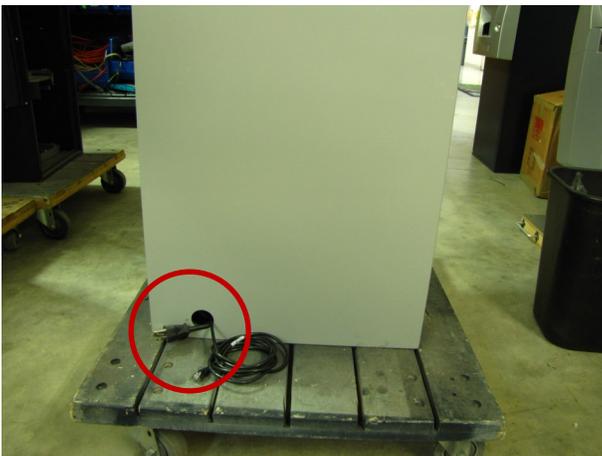
9600

NOTE: If not factory installed, follow steps 2-4 to route and secure the Ethernet cable to the cabinet.

Step 1: Unlock and open the control panel. Turn the power supply switch to the OFF (0) position.

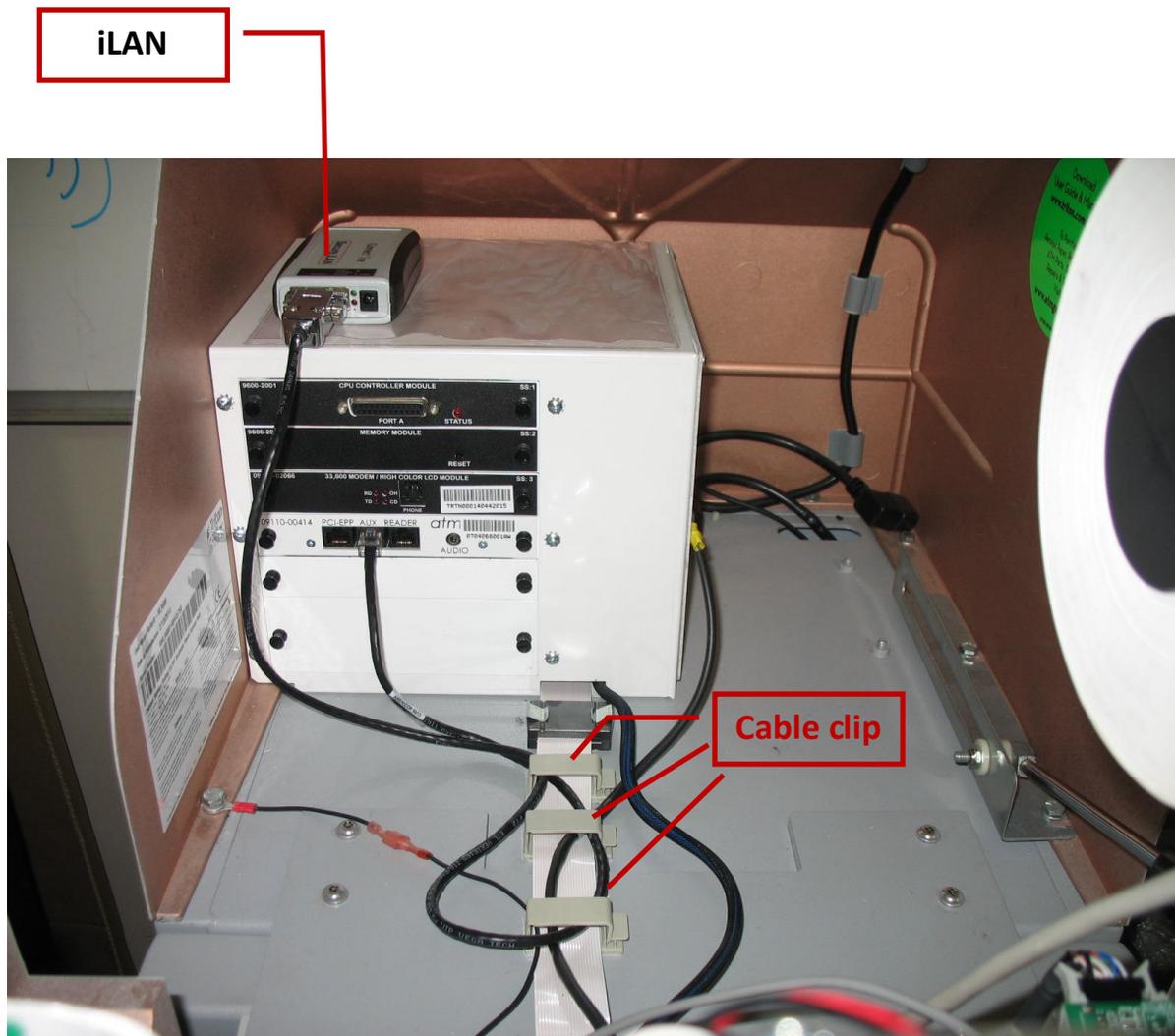
Step 2: Feed the Ethernet cable from your LAN network connection through the cabinet base cable entry located in the lower left, back of the cabinet (shown below on the left).

Step 3: Route the Ethernet cable up the left back wall of the cabinet and use the top cable clips to hold in place. Exit cable up to control panel through access hole used for AC power cord. Cable is routed away from the AC power cable to minimize electromagnetic interference (shown below on the right). You may have to remove the dispenser assembly for ease of cable installation.



Step 4: Connect the Ethernet cable to the back of the iLAN box. Locate the communication cable. Connect the 9-Pin connector end to the back of the iLAN box (depending on connector end, you may need a small flat screwdriver to secure).

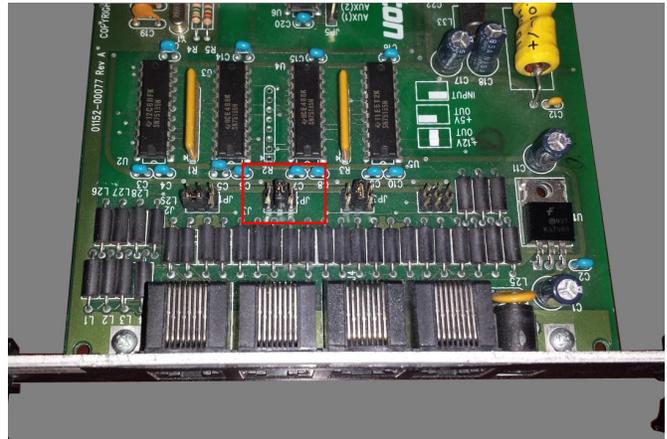
Step 5: Place the iLAN box on top of the card cage assembly. Secure the Ethernet cable using existing cable clips (shown below).



NOTE: If your machine uses a **Multifunction Module** (left), proceed to step 9.

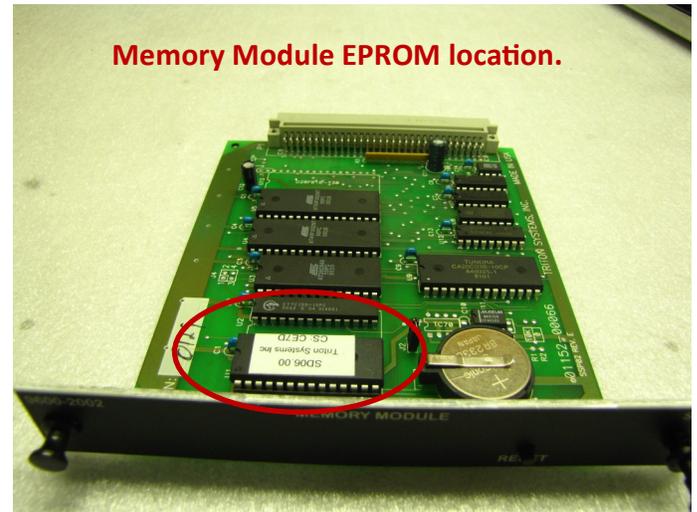


Multifunction Module

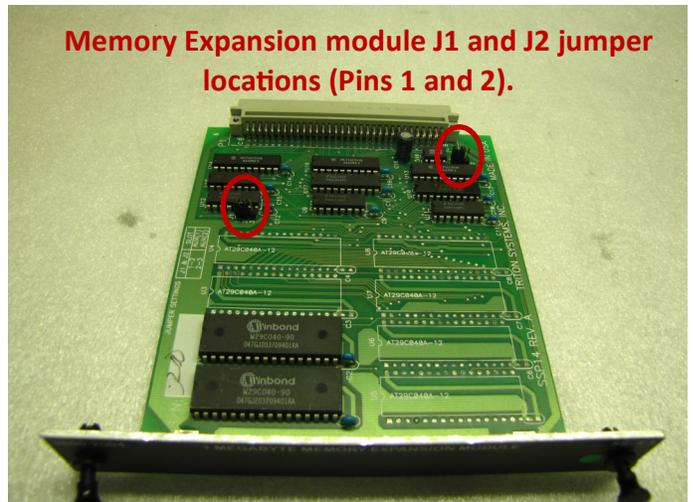


Quad Port Module

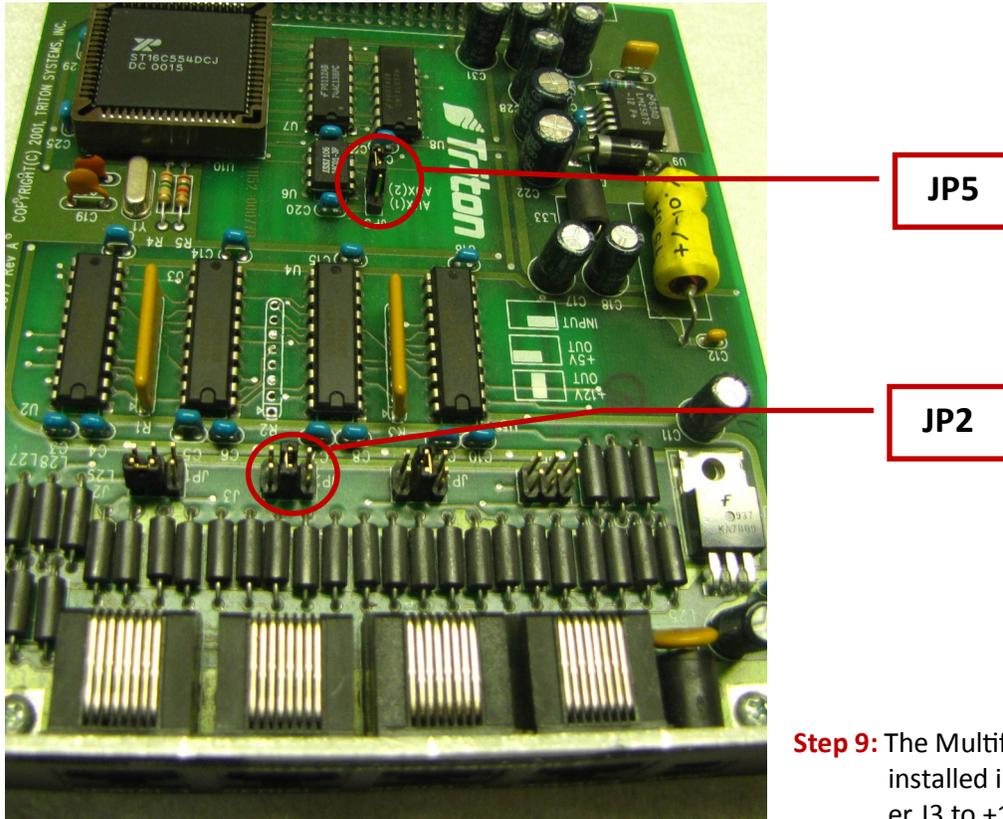
Step 6: Pull the Memory module from the card cage (SS-2) and verify the EPROM version is **SD04.00** or higher (right). If not, install the required upgraded EPROM following ESD precautions and correct orientation of the chip. Reinstall the Memory module after completion.



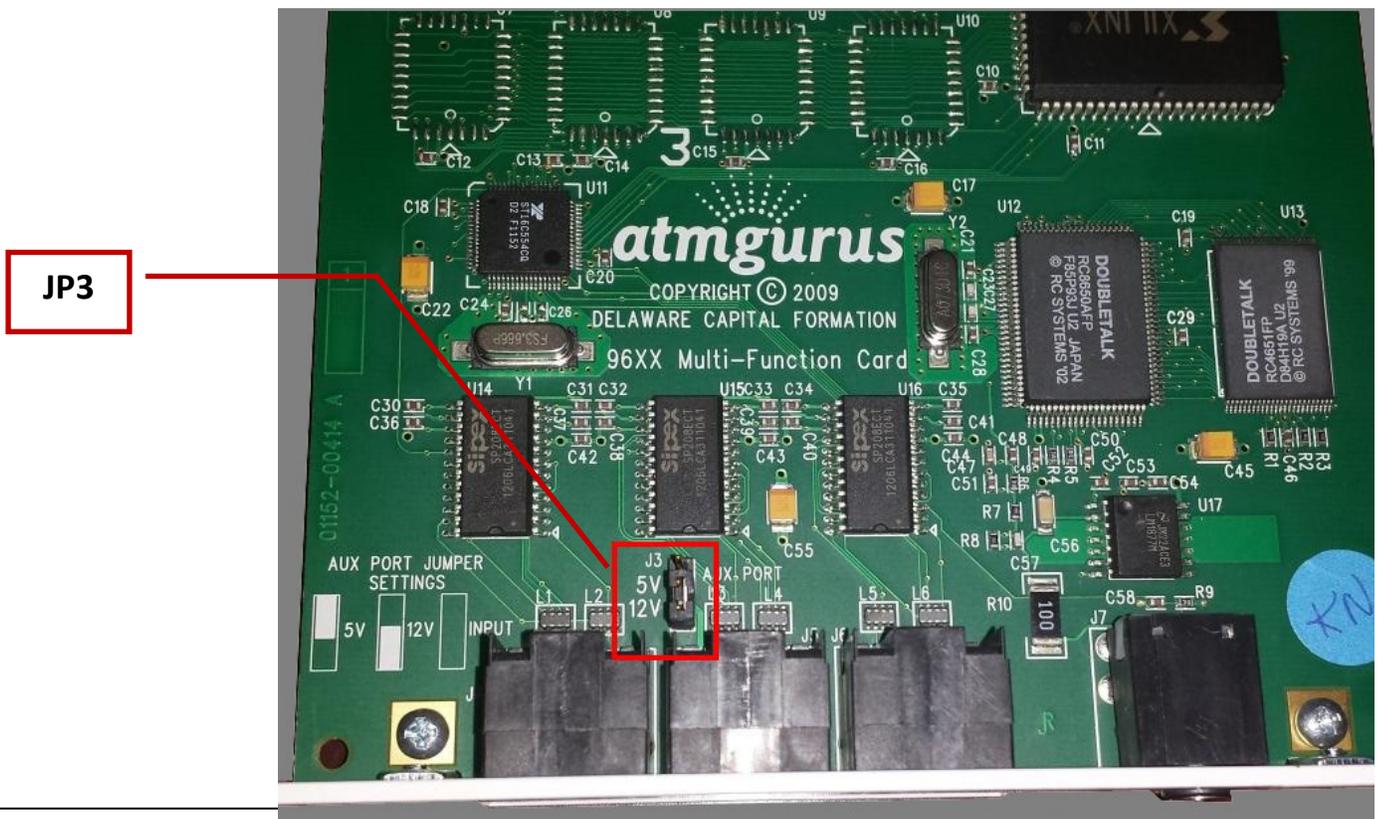
Step 7: The required **Memory Expansion** module will be installed in **slot 4** (SS-4) beneath the Modem/LCD module. Before installing, verify that the jumpers on **J1 and J2** are connected on **Pins 1 and 2**. If not, move the jumpers to connect Pins 1 and 2 together (bottom right). Install the Memory Expansion module.



Step 8: The Quad Port Module will be installed in **slot 5 (SS-5)** beneath the Memory Expansion module. Before installing, verify the jumpers on JP2 are connected for +12VDC and JP5 set to Auxilliary 2. If not, move the jumpers to the correct pins. The image below shows the jumper locations. Install the Port module.



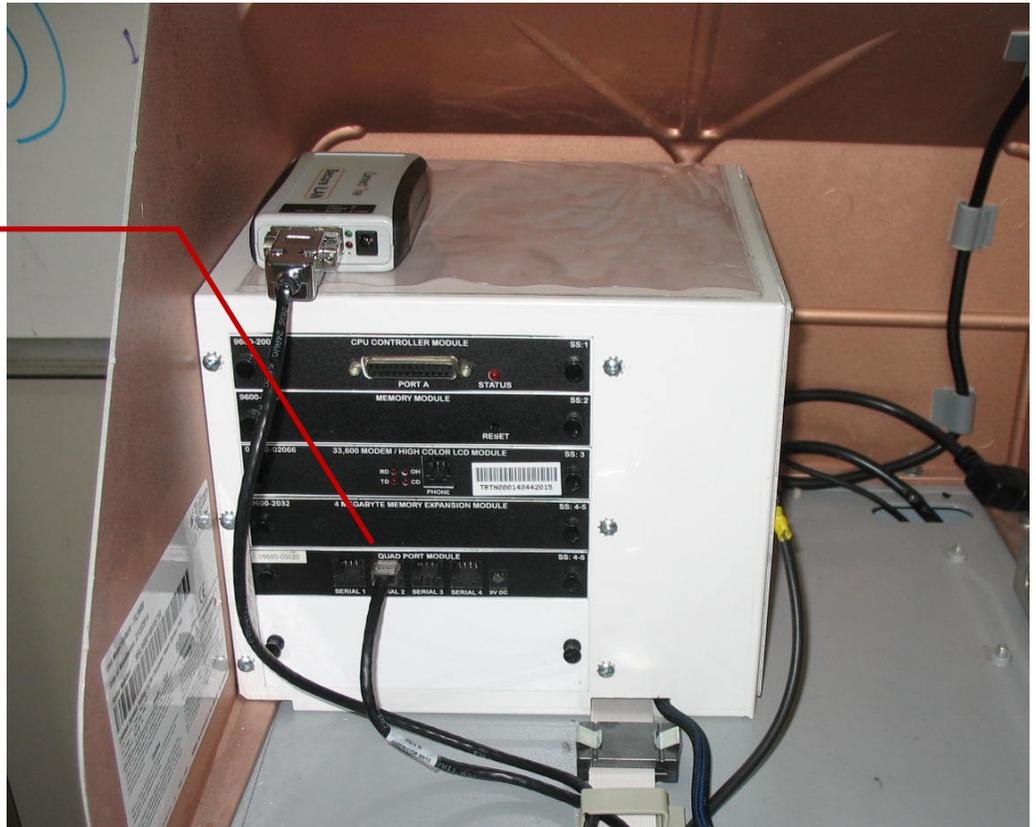
Step 9: The Multifunction Module will be installed in **slot 4 (SS-4)**. Set jumper J3 to +12VDC



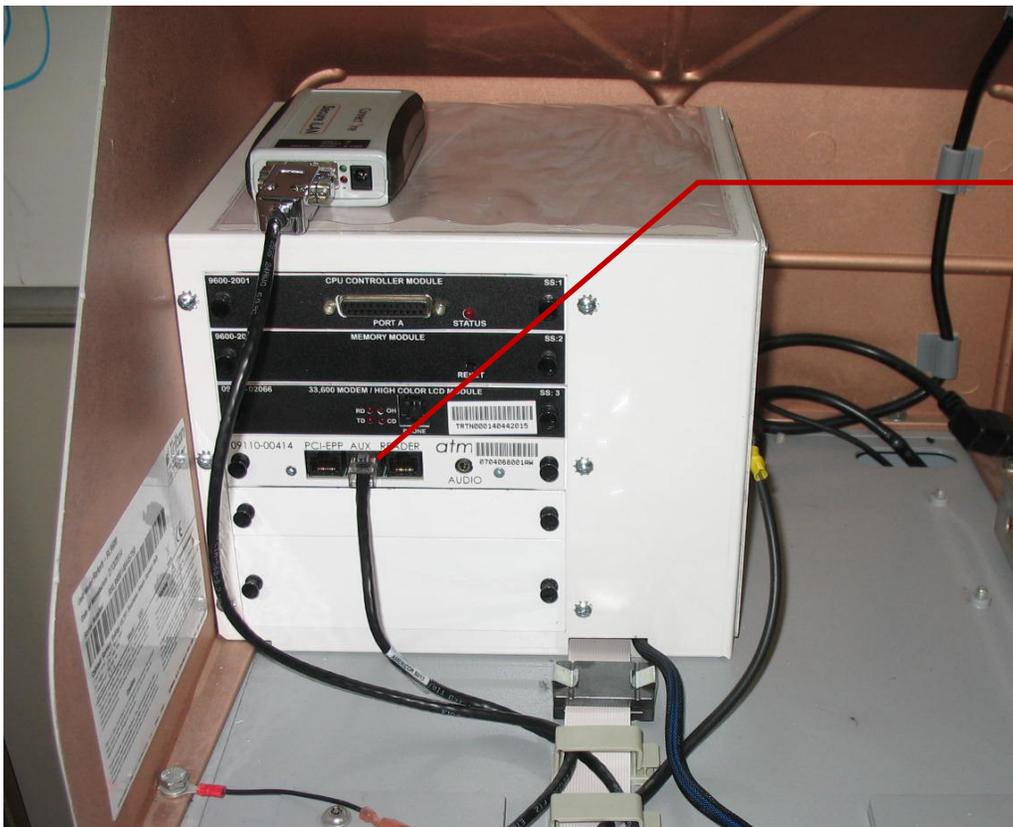
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Step 9: Route and connect the RJ-45 connector end of the communication Cable to **Serial 2** of the Quad Port Module (top), or AUX Port on Multifunction Module (bottom).

**Quad Port Module:
Serial 2**



**Multifunction Module:
AUX**

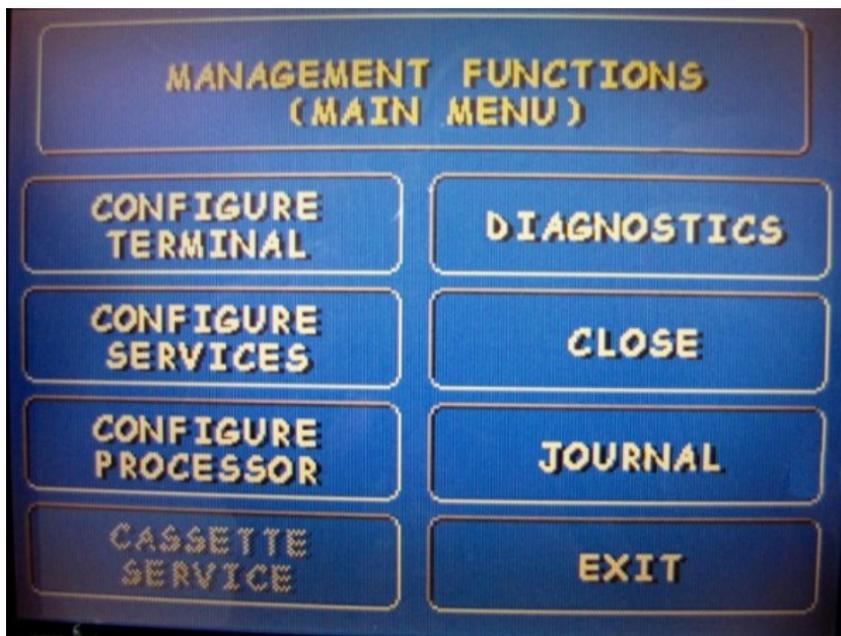


Management Functions

NOTE: The Management Function Section only needs to be completed if the unit did NOT previously have an external Ethernet box installed or a full load file is being loaded.

Step 1: Power up the unit. Enter the password to log into Management Functions. Press Enter.

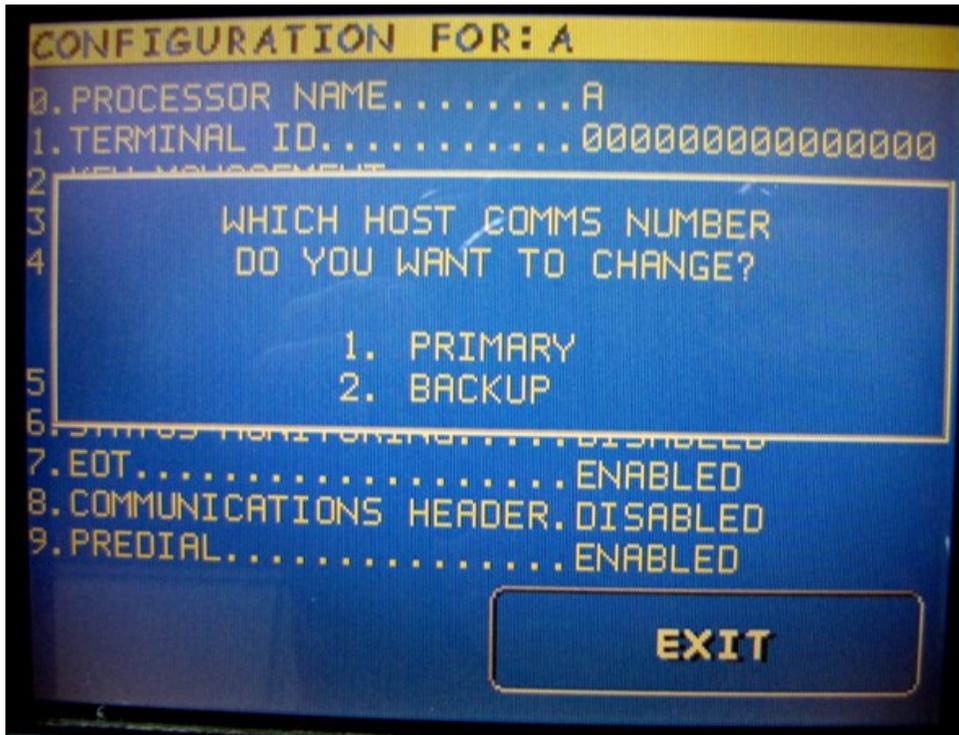
Step 2: Using the 1x4 keys on the side of the display, choose Configure Processor.



Step 3: Configure Processor page: Using the information from your processor (or the previously printed test receipt), enter #1 Terminal ID and #8 Communication Header if required. Ensure that #3 Communication Type states "Ethernet."



Step 4: Select #4 – Communication Numbers. Select #1 – Primary to change the primary number of the unit.



Step 5: The “Primary Host Phone Number” is provided by your host processor. The first part of the address consists of a sequence of four groups of numbers. Each group can be up to three digits long and each group is separated by a period (dot character) as in this example 123.456.789.0. The second part of the address is a Port Number, consisting of five digits or less and separated from the first part by a comma (,) character as in this example 123.456.789.0,1234.

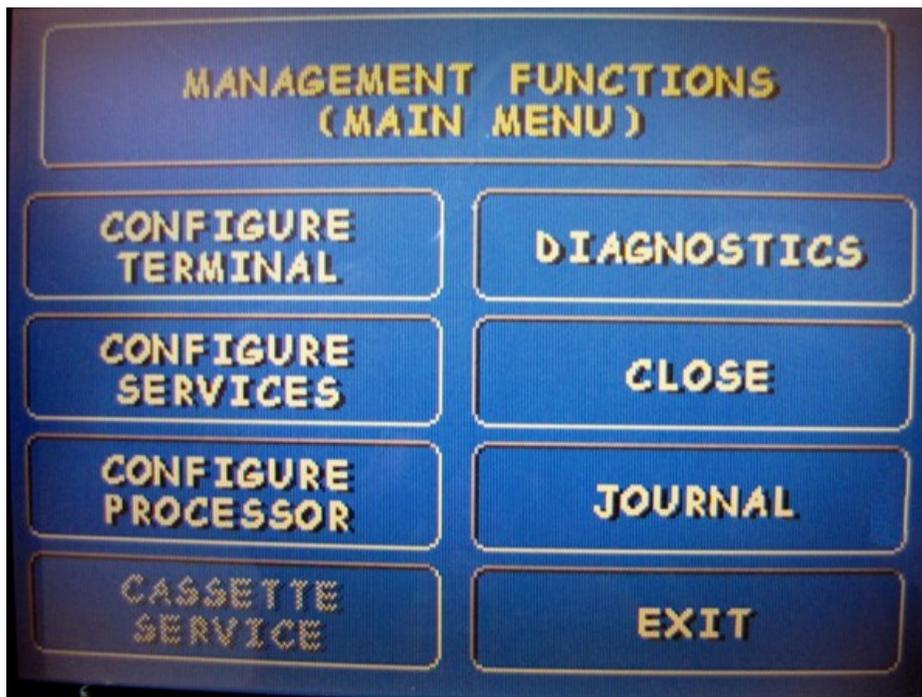
1. Select “Change” to enter the “Primary Host Phone Number”.
2. Enter the first group of numbers in the IP Address using the main keypad keys.
3. Enter a dot character by pressing the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.
4. Repeat Steps 2 – 3 for the second and third group of numbers.
5. Enter the fourth group of numbers.
6. Enter the comma character by pressing the “Blank” key then the “0” key ONCE to select the comma. Press the RIGHT ARROW key to lock it in.
7. Enter the Port Number assigned by the host. Select EXIT to save the Primary Host Phone Number or CANCEL to discard the changes. Repeat the steps to set the Backup Address if necessary.



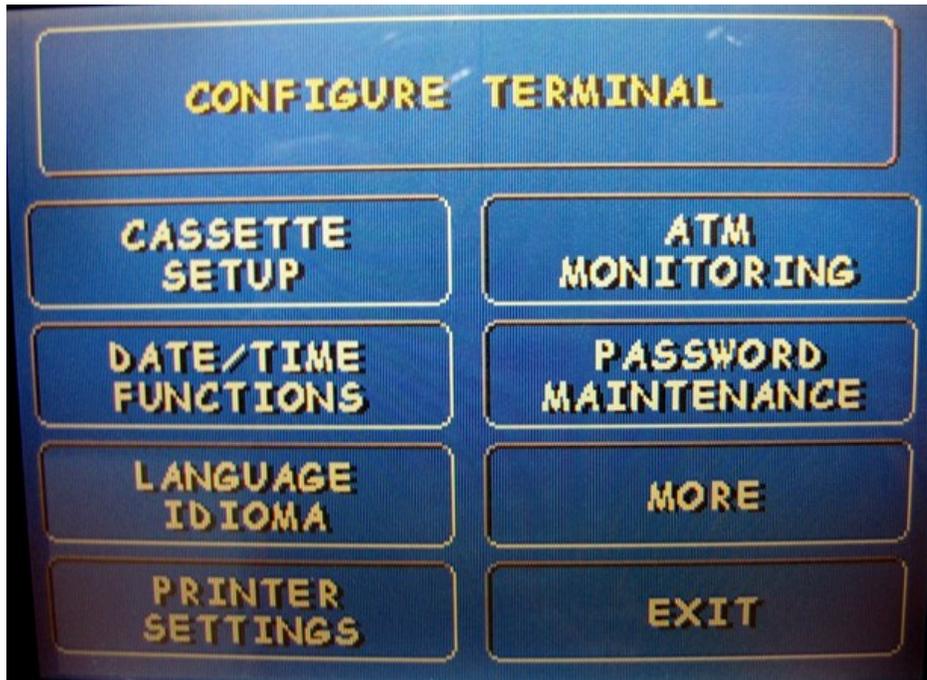
Step 6: Press EXIT to return to the Main Menu page.



Step 7: Select "Configure Terminal".



Step 8: Select “More”.



Step 9: Select “Communication”.



Step 10: Select TCP/IP Configuration.



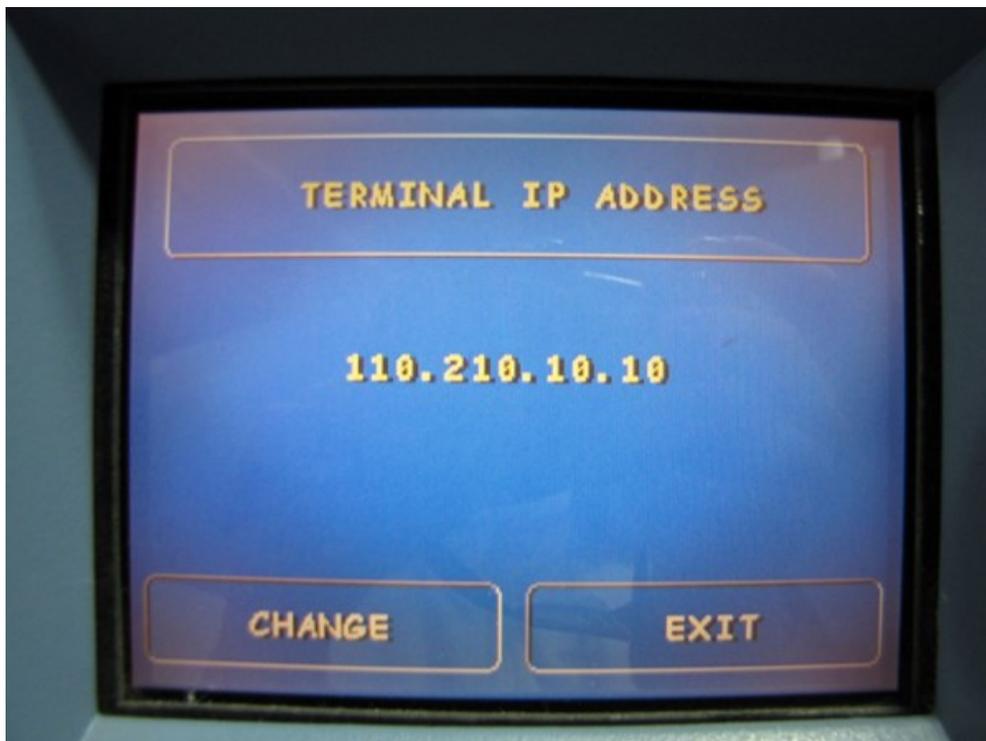
Step 11: Select "Network Settings".



Step 12: Using the information from your processor and location (or the previously printed test receipt), the Terminal IP Address, Subnet Mask and Gateway Address must be entered. Select “Terminal IP Address”.



Step 13: Select “Change” to enter the “Terminal IP Address”. Using the keypad, enter the Terminal IP Address. (To enter a dot character, press the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select “Exit” to save changes and return to the “Network Settings” page.



Step 14: Select “Subnet Mask”.



Step 15: Select “Change” to enter the “Subnet Mask”. Using the keypad, enter the Subnet Mask. (To enter a dot character, press the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select “Exit” to save changes and return to the “Network Settings” page.



Step 16: Select “Gateway Address”.



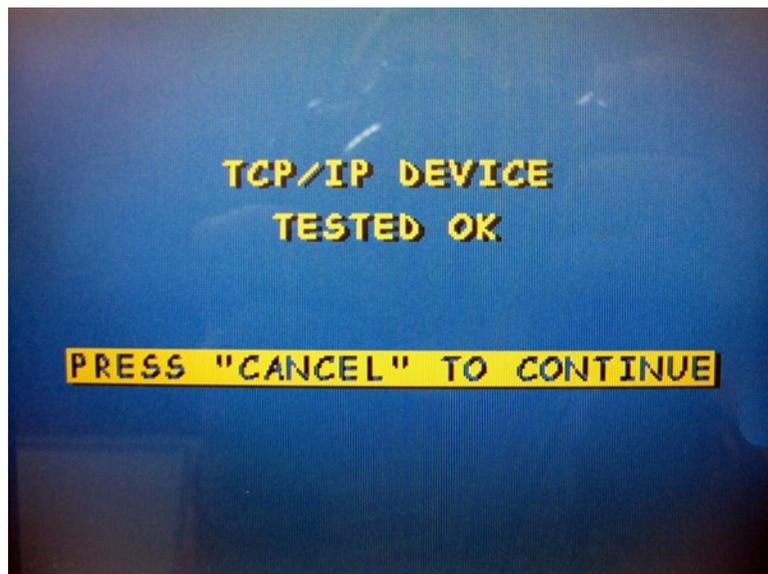
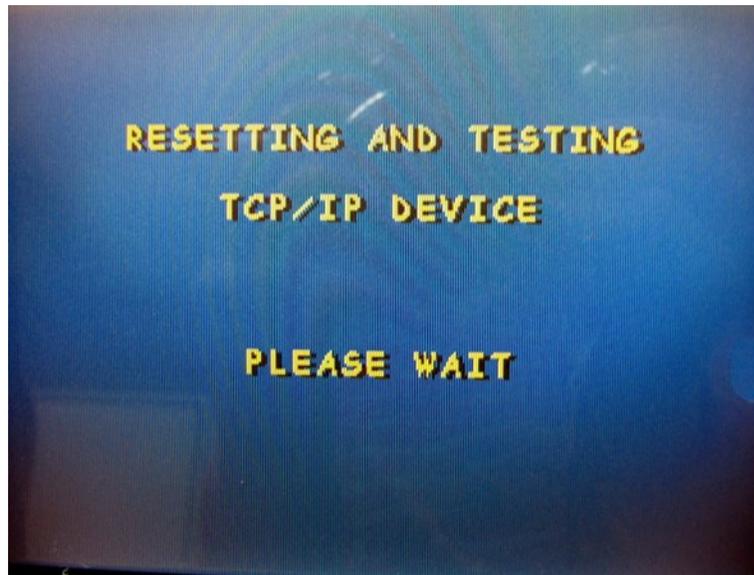
Step 17: Select “Change” to enter the “Gateway Address”. Using the keypad, enter the Gateway Address. (To enter a dot character, press the “Blank” key then press the “0” key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.) Select “Exit” to save changes and return to the “Network Settings” page.



Step 18: Select “Test Ethernet”.



Step 19: The unit will test the Ethernet connection. Once you receive the “Tested OK” screen, press “CANCEL” on the keypad to continue. If you did not get an OK, retest the unit.



Step 20: Open the control panel and restart the unit by flipping the power supply switch OFF (O) then back on (I).