



External Ethernet Modem 9600 & 9700 Upgrade Manual

TDN 07103-00246 Rev. B

Corporate Headquarters:

21405 B Street
Long Beach, MS 39560
Phone: (800) 259-6672
Fax: (228) 868-9445

COPYRIGHT NOTICE

© 2016 Triton. All Rights Reserved. TRITON logo is a registered trademark of Triton Systems of Delaware, LLC

Document Updates

September 5, 2014.....Original Rev A.

January 5, 2016.....Updated to add photos of the new iChipNet box 1030815

Contents

9700 iChipNet Ethernet Box Installation	Page 4
9600 iChipNet Ethernet Box Installation.....	Page 7
Management Functions	Page 13

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 iChipNet box into a 9600 model ATM, there are components/modules that are required to operate the iChipNet box. You must have the following:

- SD04.00 EPROM or higher installed in the Memory module.
- 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 iChipNet External Ethernet option kit.

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 Flat Head Screwdriver Side Cutters
Kit P/N 06200-00246		External Ethernet Kit Upgrade Kit
Parts Supplied		
Description		Quantity
1	Secure iChipNet Box Device	1
2	Ethernet Cable	1
3	Secure Ethernet Communication Cable	1
4	Velcro Loop- Side Round Dot	2
5	Velcro Hook- Side Round Dot	2
6	6" Ty- Wrap	4



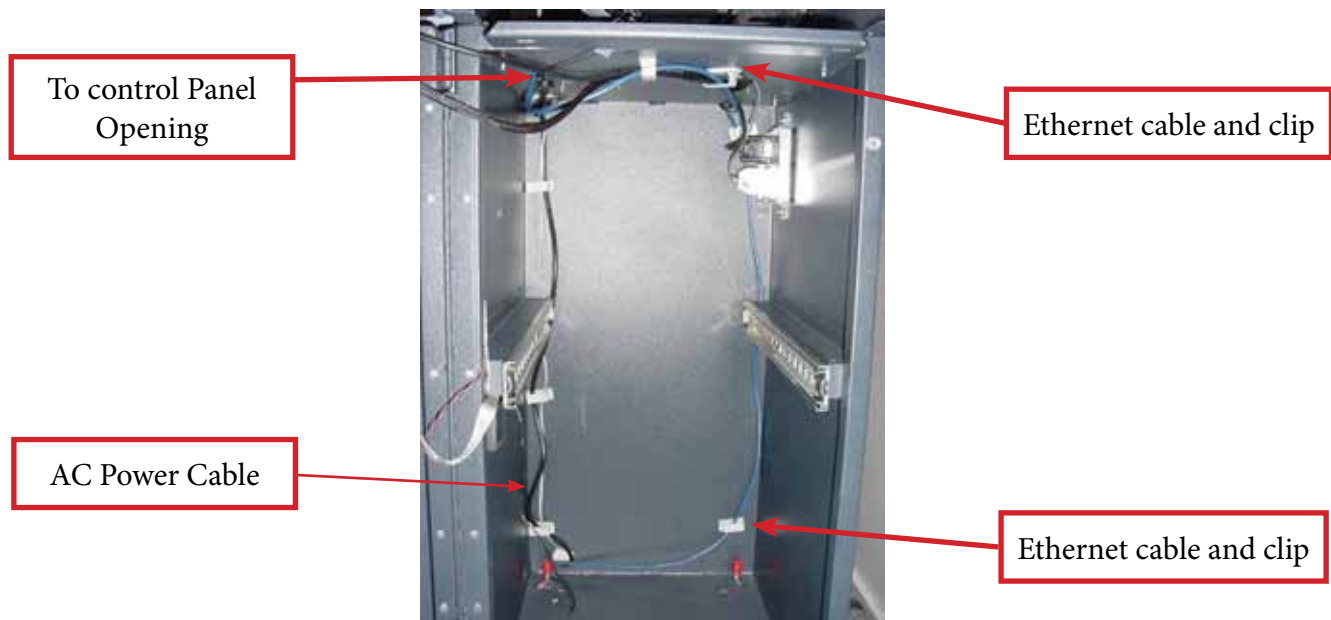
iChipNet Box Installation 9700

NOTE: Before starting the iChipNet box installation, print a test receipt. Then perform proper shut down procedures and disconnect power to the unit. Open the bottom cabinet and remove the dispenser.

1. Connect the Ethernet cable to your LAN network connection and feed it through the cable entry hole located in the back of the cabinet.



2. Route the Ethernet cable through the cable clips and through the opening to the control panel. Cable is routed away from the AC power cable to minimize electromagnetic interference (shown below).

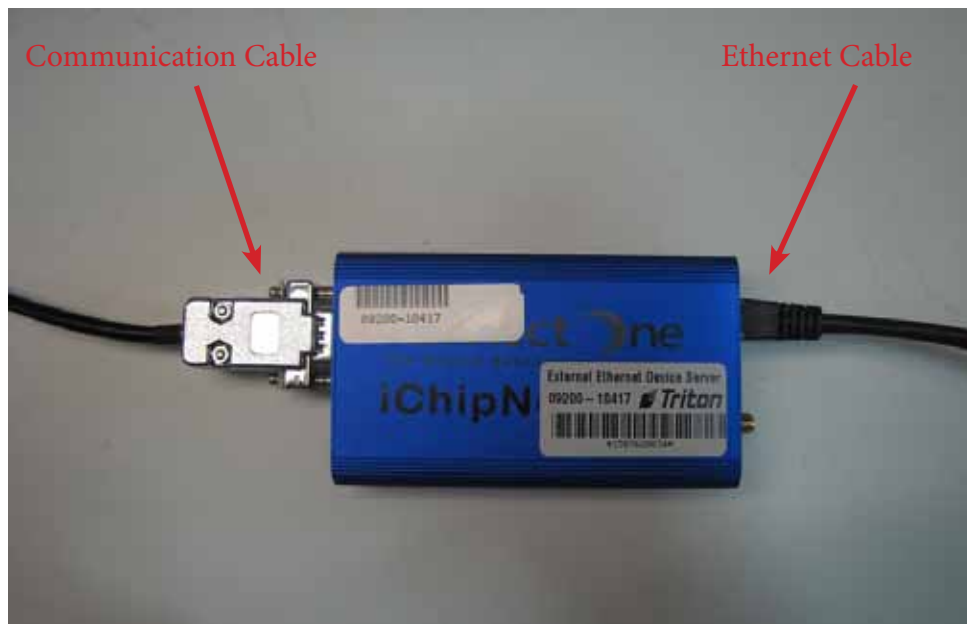


3. Open the control panel.

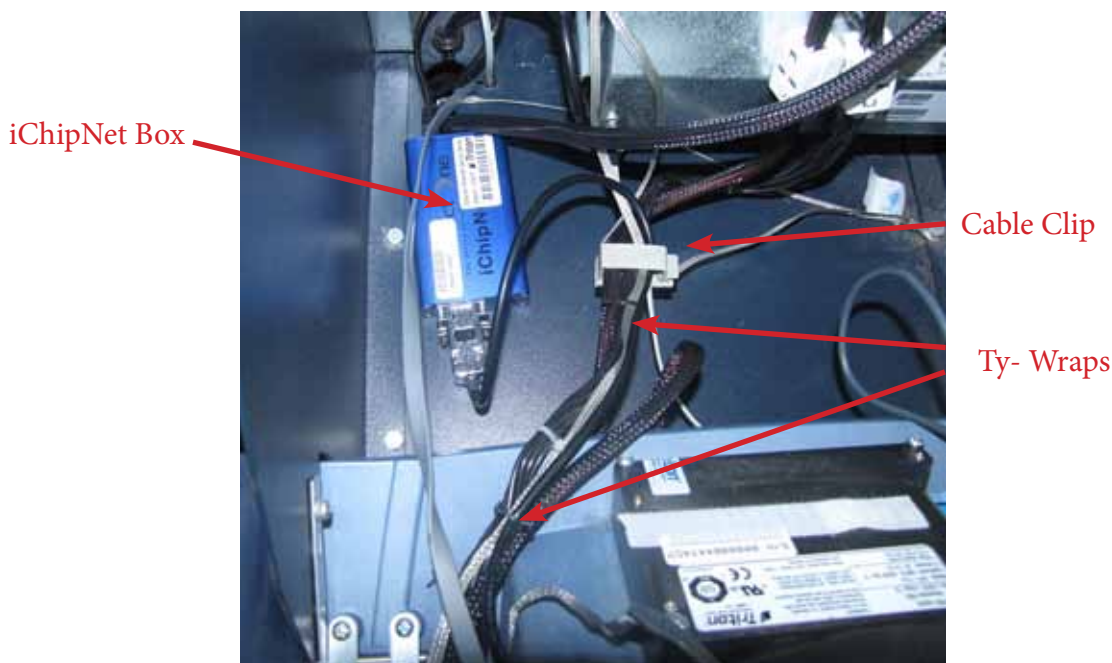
4. Obtain the iChipNet box and the 4 Velcro pieces (2 hook side, 2 loop side). Peel the paper backing off the 2 hook side pieces of Velcro. Adhere them to the bottom of the iChipNet box. Once the hook side velcro dots are secured in place, Velcro the 2 loop sides to the hook side pieces.



5. Connect the Ethernet cable and the communication cable to the iChipNet box.

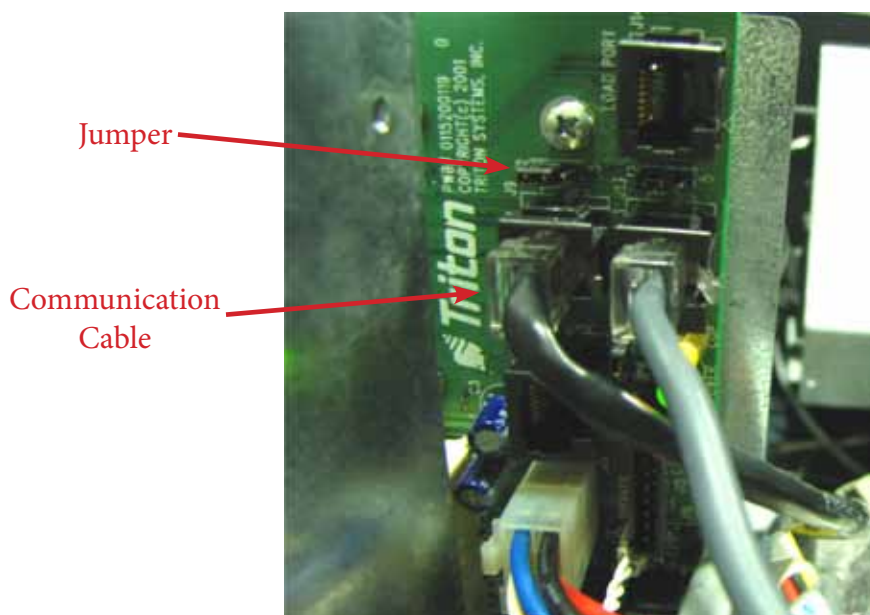


6. Remove the paper backing from the loop side of the Velcro round dots and place the iChipNet box on the bottom of the upper cabinet as shown. Route the communication cable through the cable clip. Use the Ty-Wraps as needed to secure the communication cable to the existing cables.



7. Connect the communication cable to port J2 on the docking board.

NOTE: Make sure the jumper on J9 is on pins 1 and 2 to provide the necessary 12VDC to the iChipNet box.



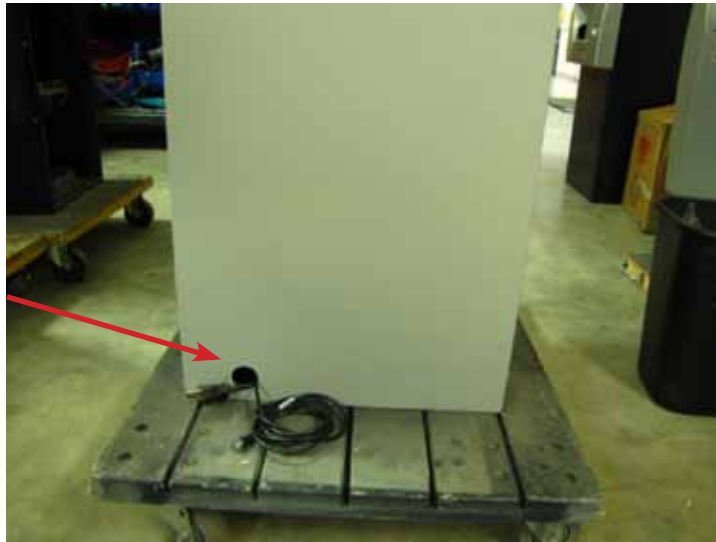
8. Close the control panel. Reinstall the dispenser and close the cabinet door. Power up the unit.

NOTE: If the unit did NOT previously have an external Ethernet box, or a load file is being loaded, refer to page 13 for Management Functions. If this is a replacement, run a transaction to test the unit.

iChipNet Box Installation 9600

NOTE: Before starting the iChipNet box installation, perform proper shut down procedures and disconnect power to the unit. Open the bottom cabinet and remove the dispenser.

1. Route the Ethernet cable through the hole in the bottom of the cabinet.



2. Route the ethernet cable up the back right corner and up through the hole in the top cabinet. Make sure the ethernet cable is routed through the cable clamps.

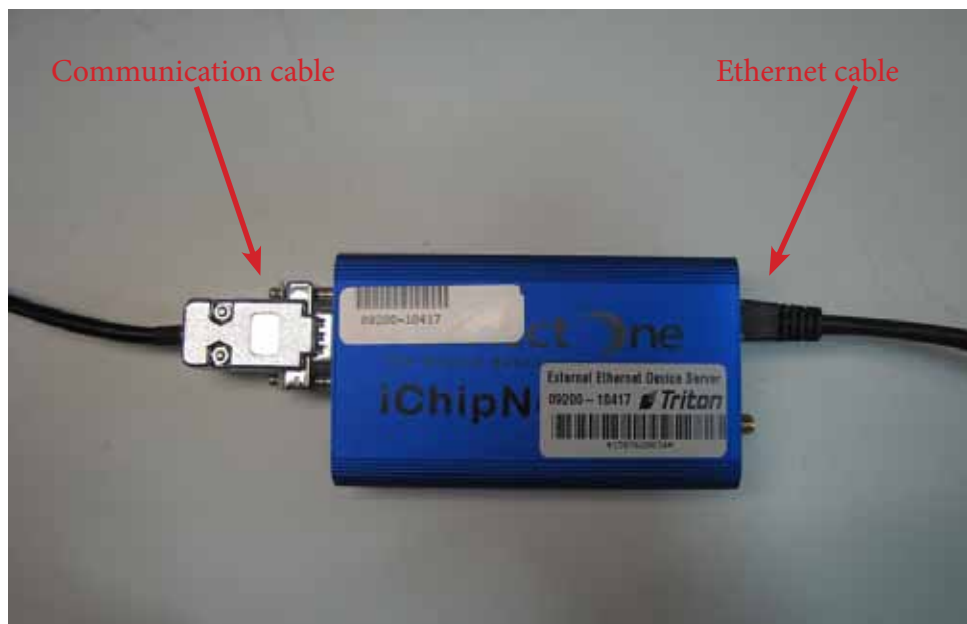


3. Open the control panel.

4. Obtain the iChipNet box and the 4 Velcro pieces (2 hook side, 2 loop side). Peel the paper backing off the 2 hook side pieces of Velcro. Adhere them to the bottom of the iChipNet box. Once the hook side velcro dots are secured in place, Velcro the 2 loop sides to the hook side pieces.



5. Connect the Ethernet cable and the communication cable to the iChipNet box.



6. Remove the paper backing from the loop side of the Velcro round dots and place the iChipNet box on top of the card cage assembly. Route the Ethernet cable through the cable clips as shown.



NOTE: If the unit uses a **Multifunction Module** (shown on left) skip to step 10.



Multifunction Module

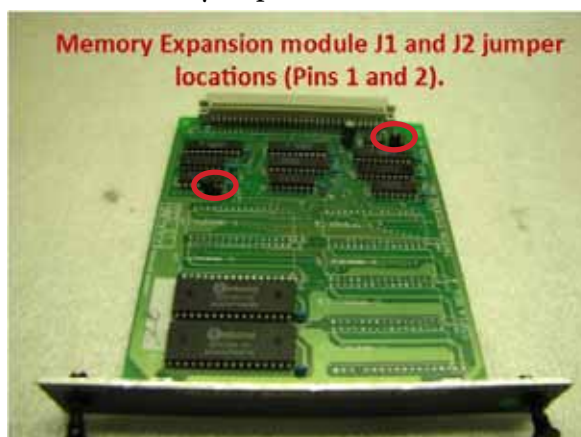


Quad Port Module

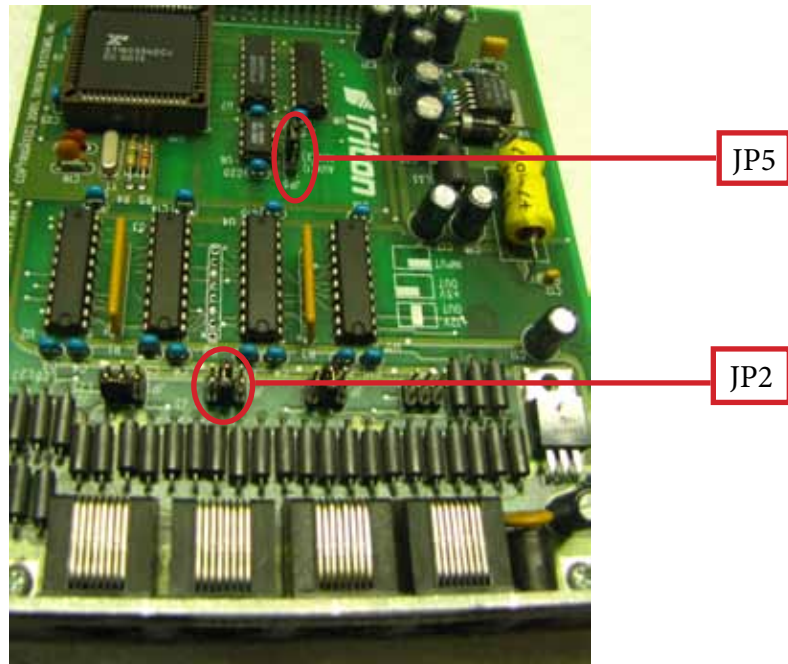
7. Pull the Memory module from the card cage (SS-2) and verify the EPROM version is SD04.00 or higher. If not, install the required upgraded EPROM following ESD precautions and correct orientation of the chip. Reinstall the Memory Module after completion.



8. 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. Install the Memory Expansion module.



9. 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.



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



11. Connect the communication cable to the **Serial 2** port of the Quad Port Module, or the **AUX** port on the Multifunction Module.

**Quad Port
Module:
Serial 2**



**Multifunction
Module:
AUX**



12. Reinstall the dispenser.

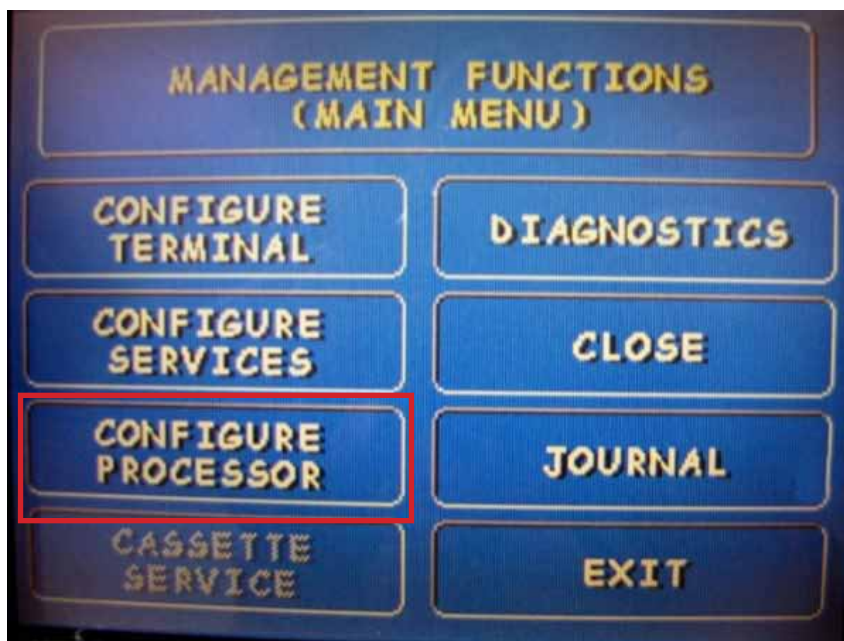
13. Close the control panel and cabinet door. Power up the unit.

NOTE: If the unit did NOT previously have an External Ethernet box, or a load file is being loaded, refer to page 13 for Management Functions. If this is a replacement, run a transaction to test the unit.

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.

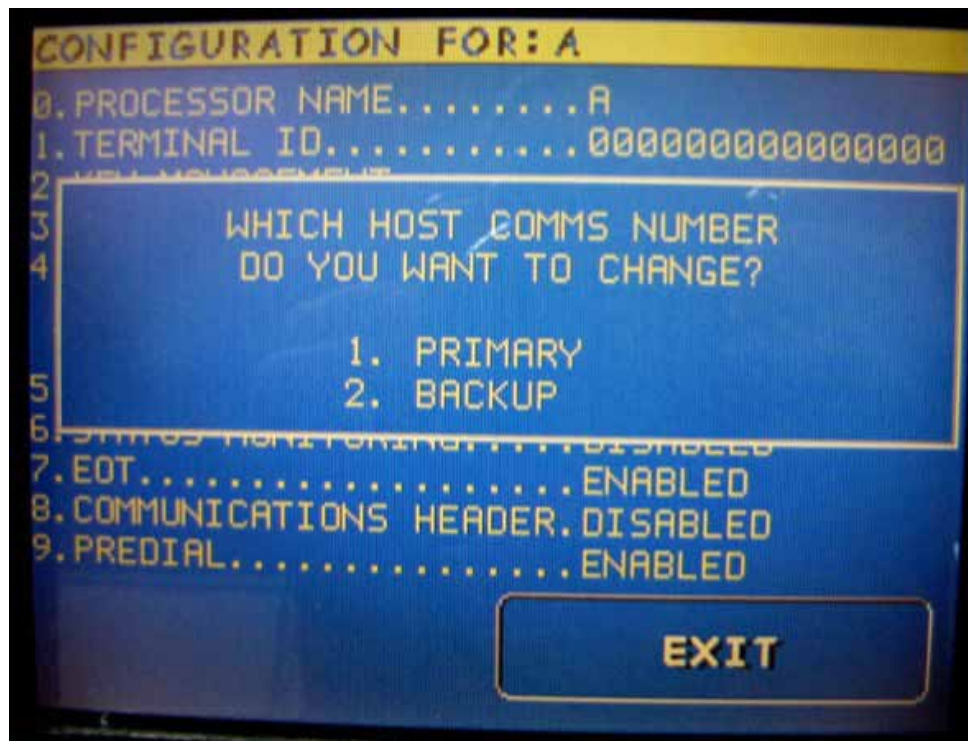
1. Enter the password to log into Management Functions. Press Enter.
2. Using the 1x4 keys on the side of the display, choose Configure Processor.



3. 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."



4. Select 4 - Communication Numbers. Select 1- Primary to change the primary number on the unit.

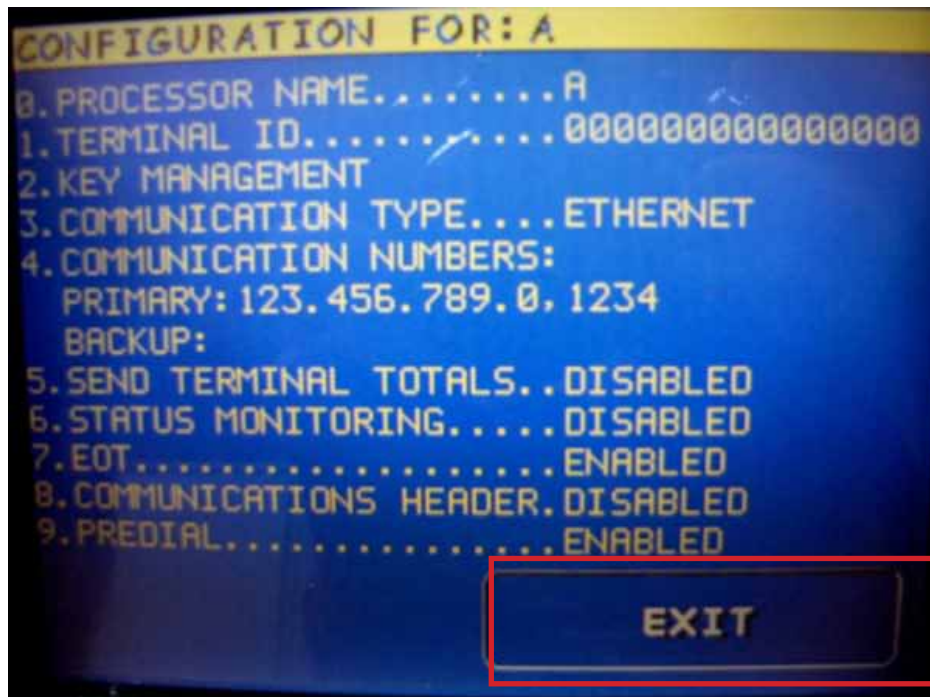


5. The "Primary Host Phone Number" is provided by your host processor. The first part of the address consists of a sequence of four groups of numbers. Each group can be up to three digits long and each group is separated by a period (dot character) as in this example 123.456.789.0. The second part of 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.

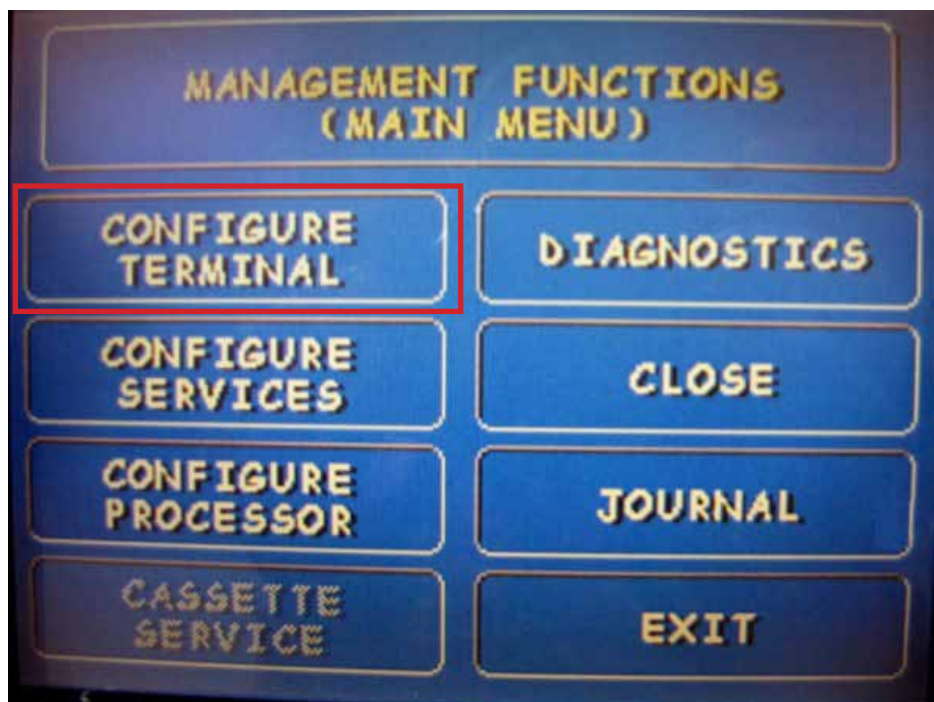
1. Select "Change" to enter the "Primary Host Phone Number".
2. Enter the first group of numbers in the IP Address using the main keypad keys.
3. Enter a dot character by pressing the "Blank" key then press the "0" key TWICE to select the dot. Press the RIGHT ARROW key to lock it in.
4. Repeat Steps 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.



6. Press EXIT to return the main page.



7. Select **Configure Terminal**.



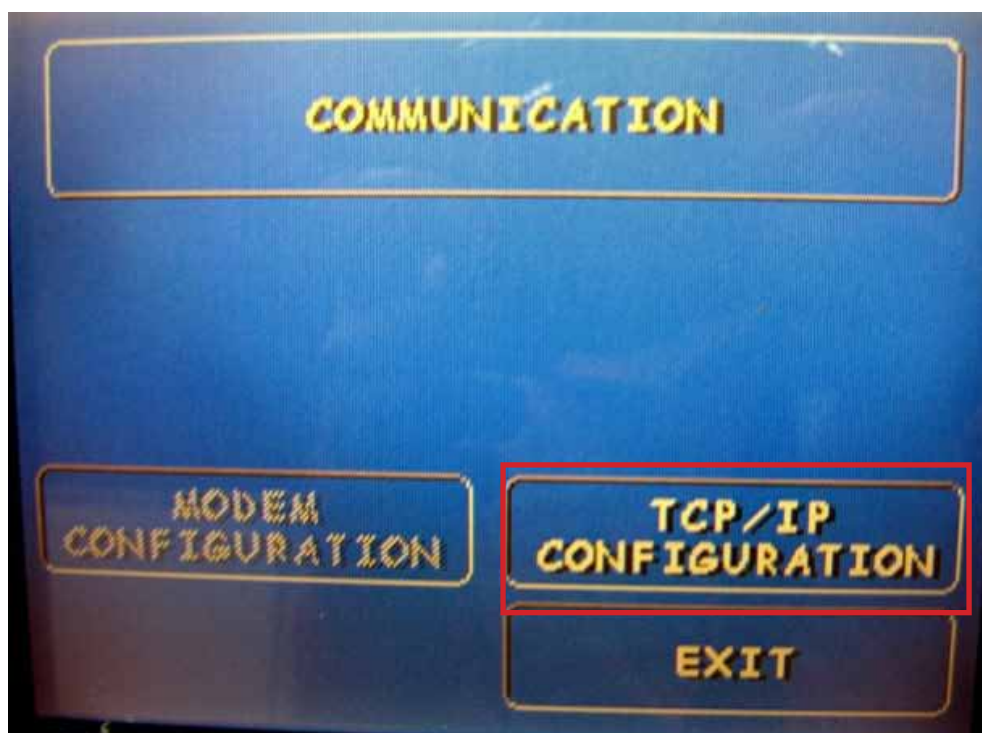
8. Select **More**.



9. Select **Communication**.



10. Select TCP/IP Configuration.



11. Select Network Settings.



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".



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.



14. Select **Subnet Mask**.

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.



16. Select **Gateway Address**.

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.



18. Select **Test Ethernet**.



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.

