



# FD100 Omaha Application User Guide

**Version: 3**  
**Date: 06-10-2006**  
**Document #: 900028**

**(C) COPYRIGHT First Data**

**All Rights Reserved**  
**Printed in U.S.A.**

**This document contains unpublished, confidential, and proprietary information of First Data. No disclosure or use of any portion of these materials may be made without the expressed written consent of First Data.**

## Revision History

Version	Date	Approved	Comment
1.0	06-10-2006	Eric Nelson	Initial Release
1.1	08-16-2006	Eric Nelson	Update Parameter definition
1.2	08-25-2006	Eric Nelson	Update Card Type Table Format
1.3	09-08-2009	Nikolai Francis	Removed Vendor references

<b>1. Introduction.....</b>	<b>6</b>
<i>Features .....</i>	<i>6</i>
<i>Product Options.....</i>	<i>6</i>
<b>2. Host Interfaces .....</b>	<b>7</b>
<b>3. Application Structure .....</b>	<b>8</b>
<b>4. Supported Peripherals.....</b>	<b>9</b>
<i>Pin Pad.....</i>	<i>9</i>
<i>RFID Reader.....</i>	<i>9</i>
<b>5. Keypad Layout.....</b>	<b>10</b>
<b>6. System Mode.....</b>	<b>12</b>
<i>SSL .....</i>	<i>12</i>
<i>ZTK .....</i>	<i>12</i>
<i>RUN.....</i>	<i>12</i>
<i>Diag.....</i>	<i>12</i>
<i>Setup.....</i>	<i>13</i>
<i>INFO .....</i>	<i>13</i>
<b>7. FDC Master Application .....</b>	<b>14</b>
<i>Load .....</i>	<i>14</i>
<i>Vers .....</i>	<i>14</i>
<i>Date/Time.....</i>	<i>15</i>
<i>Diag.....</i>	<i>15</i>
<i>Setup.....</i>	<i>16</i>
<b>8. Omaha Retail/Restaurant Application .....</b>	<b>18</b>
<i>Credit .....</i>	<i>18</i>
<i>Debit.....</i>	<i>18</i>
<i>EBT .....</i>	<i>18</i>
<b>9. Credit Transactions .....</b>	<b>19</b>
<i>Credit Sale .....</i>	<i>19</i>
<i>Credit Refund.....</i>	<i>22</i>

<i>Credit Force</i> .....	24
<i>Credit Auth Only</i> .....	27
<i>Tab Processing</i> .....	29
Open Tab.....	29
Close Tab .....	31
Void Tab .....	33
<b>10. Debit Transactions .....</b>	<b>34</b>
<i>Debit Sale</i> .....	34
<i>Debit Refund</i> .....	36
<b>11. EBT Transactions .....</b>	<b>38</b>
<i>EBT Food Stamp Sale</i> .....	38
<i>EBT Cash Benefit Sale</i> .....	40
<i>EBT Refund</i> .....	42
<i>EBT Voucher Sale</i> .....	43
<i>EBT Voucher Refund</i> .....	44
<i>EBT Food Stamp Inquiry</i> .....	45
<i>EBT Cash Benefit Inquiry</i> .....	46
<i>EBT Cash Only Sale</i> .....	47
<b>12. Special Processing .....</b>	<b>48</b>
<i>Fraud Prevention</i> .....	48
Display Account Number for User Confirmation.....	48
Display Last Four Digits of Account Number .....	48
Enter Last Four Digits of Account Number.....	48
<i>FPS Processing</i> .....	49
<i>Card Code Processing</i> .....	50
<i>Card Present Processing</i> .....	50
<i>AVS Processing</i> .....	50
<i>Recurring Payment Indicator</i> .....	50
<i>E-Commerce Prompting</i> .....	50
' <i>Imprint Now</i> ' Message.....	50
<b>13. Settlement .....</b>	<b>51</b>
<i>Manual Close</i> .....	51
<i>Auto Close</i> .....	52
<b>14. Receipts .....</b>	<b>53</b>

<i>Credit Sale Receipt</i> .....	53
<i>Credit Refund Receipt</i> .....	54
<i>Credit Force Sale Receipt</i> .....	55
<i>Credit Auth Only Receipt</i> .....	56
<i>Credit Open Tab Receipt</i> .....	57
<i>Credit Close Tab Receipt</i> .....	58
<i>Credit Void Sale Receipt</i> .....	59
<i>Debit Sale Receipt</i> .....	60
<i>Debit Refund Receipt</i> .....	61
<i>EBT Food Stamp Sale Receipt</i> .....	62
<i>EBT Food Stamp Refund Receipt</i> .....	63
<i>EBT Voucher Sale Receipt</i> .....	64
<i>EBT Voucher Refund Receipt</i> .....	65
<i>EBT Cash Benefit Sale Receipt</i> .....	66
<i>EBT Cash Only Sale Receipt</i> .....	67
<b>15. REPORTS</b> .....	<b>68</b>
<i>View Net Totals</i> .....	68
<i>View Card Type Totals</i> .....	69
<i>View Transaction Details</i> .....	70
<i>Change Amounts</i> .....	71
<i>View Server Totals</i> .....	73
<i>View Server Details</i> .....	74
<i>Print Net Totals</i> .....	75
<i>Print Card Type Totals</i> .....	77
<i>Print Transaction Details</i> .....	79
<i>Print Server Totals</i> .....	81
<i>Print Server Transaction Details</i> .....	83
<b>16. REPRINT</b> .....	<b>85</b>
<b>17. VOID TRANS</b> .....	<b>86</b>
<b>18. Delete Batch</b> .....	<b>88</b>
<b>19. Batch History</b> .....	<b>89</b>

<b>20.</b>	<b>Batch Unlock .....</b>	<b>91</b>
<b>21.</b>	<b>Application Parameters.....</b>	<b>92</b>
	<i>Manual Parameter Init .....</i>	<i>92</i>
	<i>View Parameters and Edit Parameters.....</i>	<i>94</i>
<b>22.</b>	<b>DEMO MODE.....</b>	<b>96</b>
<b>23.</b>	<b>Supported Parameters.....</b>	<b>97</b>
	<i>System Parameters.....</i>	<i>97</i>
	<i>Clerk Parameters .....</i>	<i>98</i>
	<i>Printer Parameters .....</i>	<i>98</i>
	<i>Fuel Setup Parameters.....</i>	<i>99</i>
	<i>Local Password Parameters.....</i>	<i>99</i>
	<i>Omaha Host Parameters.....</i>	<i>100</i>
	<i>Amex Split Dial Host Parameters.....</i>	<i>100</i>
	<i>Card Type Table .....</i>	<i>101</i>
	<i>Card Type Table Definitions Example: 02VISA VS000009999900000000F8F8CE</i> <i>.....</i>	<i>102</i>
	<i>Card Range Table.....</i>	<i>103</i>
	<i>Card Range Table Definitions .....</i>	<i>103</i>
	<i>Gift Card Parameters .....</i>	<i>104</i>
<b>24.</b>	<b>FD100 Error Messages .....</b>	<b>105</b>

# 1. Introduction

This document describes the user interface for the Omaha ETC B Retail/Restaurant application developed for the FD100 Point of Sale Terminal. Credit, Debit, and EBT transaction sets are described below.

The FD100 is based upon high performance hardware and software architectures. Below is a summary of features supported by the terminal.

## Features

- 200 MHz ARM 920T 32 bit CPU
- 32 Meg of Flash Memory
- 32 Meg of SDRAM
- WinCE Secure Multi-Application Operating System
- 128 x 64 graphics LCD with Touch Screen
- 16 Button Keypad
- 3” wide thermal roll printer. 15 lines/second print speed at 200 dpi
- 2 RS-232 Serial Ports
- V.92 Hardware Modem 1200-56K connect speeds supported Sync/Async
- 3 Track MSR
- 10BaseT Ethernet Port
- 5 USB Ports
- Audio - Mono Speaker
- Full Networking Support

## Product Options

- GPRS Wireless Modem
- 802.11G Wireless LAN
- External Flash Memory
- USB Keyboard/Mouse

## 2. Host Interfaces

The FD100 interfaces to the Omaha host for Credit, Debit, and EBT transactions by following the ETC B specification. This application was developed from document ETC\_DIAL\_Specifications\_072004.

AMEX split dial transactions are also supported. Amex document POS010007 V4.4 was used to develop this interface.

Parameter downloads are obtained directly from Terminal Download Systems.

Both dialup and IP application downloads are supported.

The FD100 also supports all transaction sets via IP through Data Wire. The SRS version of Datawire has been implemented.

The terminal supports dialup downloads at speeds up to 56K. IP/SSL downloads are also supported.

### 3. Application Structure

The FD100 is a multi-application device. The security features of WinCE are used to authenticate and isolate applications. Only applications that have been signed with the appropriate keys only known to FDC will run on the device. The Memory Management Unit built into the ARM9 CPU provides for the logical isolation of application memory space.

The Omaha retail/restaurant implementation consists of a Master Application, and a Credit Application in addition to the windows processes running in the background.

The FDC Master application always starts first and provides for the interfaces to the system functions and controls when to start all payment applications.

The credit application supports Credit, Debit, and EBT.

The Master Application determines which application to start based on user input on the touch screen, keypad, or activation of the MSR. By default, all card swipes at the idle prompt invoke a credit sale transaction.

## 4. Supported Peripherals

The following peripherals are supported by the FD100.

### **Pin Pad**

The BankPoint II is the only supported pinpad. It is used for Debit and EBT transactions. The FD100 communicates with the pin pad over an RS-232 port. The pin pad should be connected to the port labeled COM1 at the rear of the FD100. The pin pad should be configured for operations at 1200 baud, 7,E,1.

### **RFID Reader**

The ViVOPay 3000 plus is supported for reading RFID cards. Credit, Debit and EBT cards are supported. The FD100 communicates with the RFID reader over an RS-232 port. The RFID reader should be connected to the port labeled COM2 at the rear of the FD100. The RFID reader should be configured for its default mode of operation of 19200 baud, 8, N,1.

The XAC USB RFID reader is also supported. It may be connected to any open USB port on the device. The XAC RFID reader is self powered via the USB port on the terminal.

## 5. Keypad Layout

Below is a layout of the keypad. Several shift functions are also available to emulate a Windows keyboard. The touch screen also has the behavior of a Windows mouse. The keypad can be used to also enter alpha character with the use of the ALPHA key.

QZ.1	ABC 2	DEF 3	Clear X
GHI 4	JKL 5	MNO 6	BackSpace
PRS 7	TUV 8	WXY 9	ALPHA
← - SP \	* # . 0	→ @ : /	ENTER

To enter Alpha characters, press the Alpha Key then the numeric key with the Alpha key you would like to input.

Example:      to input 'A',    Press ALPHA, Press 2  
                   to input 'B',    Press ALPHA, Press ALPHA, Press 2  
                   to input 'C',    Press ALPHA, Press ALPHA, Press ALPHA, Press 2

By default, the terminal will generate upper case Alpha Characters. To place the terminal in lower case mode, Press the ENTER key and then the ALPHA key at the same time. To return to upper case, again Press the ENTER key and then the ALPHA key at the same time.

Example to input "TesT"  
 Press ALPHA, Press 8  
 Press ENTER and ALPHA to enter lower case mode.  
 Press ALPHA, Press ALPHA, Press 3  
 Press ALPHA, Press ALPHA, Press ALPHA, Press 7  
 Press ENTER and ALPHA to enter upper case mode.  
 Press ALPHA, Press 8.

The Left Arrow and Right Arrow keys work the same as on a PC keyboard and can be used to scroll through any text fields that are open for edit. For example if you need to change a single character, you can scroll to that character, hit backspace and then type in the new character. You are not required to clear and re-enter the entire field.

The ENTER key behaves like a shift key when pressed and held down and then pressing another key.

The TAB key is emulated by pressing the ENTER and then the '9' key at the same time. This will allow the user to move through fields as in standard windows.

The Shift Left and Shift Right keys are emulated by holding down the ENTER and then either the Left Arrow Key or the Right Arrow key. The Shift Left and Shift Right keys can be used to highlight text fields for copy, cut, and paste as in windows.

Pressing and holding down the ENTER key and then the 4 key will invoke the copy function found in windows. It can be used to copy highlighted text.

Press and holding down the ENTER key and then the 5 key will invoke the paste function found in windows.

Pressing and holding down the ENTER key and then the 6 key will invoke the cut function found in windows.

Pressing and holding down the ENTER key and then the 7 key emulates the HOME function.

Pressing and holding down the ENTER key and then the 8 key emulates the END function.

Pressing and holding down the ENTER key and then the BACKSPACE keys emulates the DELETE key.

ENTER	9	TAB
ENTER	4	COPY
ENTER	5	PASTE
ENTER	6	CUT
ENTER	7	HOME
ENTER	8	END
ENTER	Back Space	TAB
ENTER	LEFT ARROW	SHIFT LEFT ARROW
ENTER	RIGHT ARROW	SHIFT RIGHT ARROW
ENTER	ALPHA	Change Upper to Lower Case

## 6. System Mode

The terminal will power up into system mode if no FDC payment applications are loaded. The terminal will arrive from the supplier without any applications loaded and thus will boot up into system mode when first received by FDC. The terminal will also boot to system mode if the FDC master application has become corrupt or is missing from the file system. The USER may also force the FD100 into system mode by selecting a special key sequence at the FD100's idle page. ENTER + 4 key will exit all applications and start system mode.

The system mode screen is displayed below. A description of each function follows.

<b>SSL</b>	<b>ZTK</b>	<b>Run</b>
04/26/2006 15:05:09 OS Ver:02601101 SAIO_MA Ver A2_8		
<b>Diag</b>	<b>Setup</b>	<b>INFO</b>

### SSL

SSL is used to perform IP downloads. Both application and parameters may be downloaded from a Download server configured for IP. The user must setup the application name, Terminal ID, and IP address of the TDS server once inside this function.

### ZTK

ZTK is used for application and parameter downloads via the RS-232 port, Internal Modem, or Device USB port from a Download server. The user must enter the Application Name, Terminal ID, and select the communications mode once inside this function. For modem downloads, the user must also key in the Download server phone number for modem downloads.

### RUN

The run menu will allow the user to run any authenticated application present in the payment application directory. This is typically only used by deployment for testing and for application development. It is password protected.

### Diag

This feature will invoke the production test used in manufacturing. It is also used at incoming inspection to validate that the terminal is fully operational.

## Setup

Setup is used to configure hardware settings in the FD100. The following features may be configured in this section.

1. IP Operation  
The User may select DHCP or Static IP and set the IP information when in static mode. WiFi modes may also be setup in this option.
2. System Date and Time
3. Contrast for the LCD may be adjusted.
4. The touch screen can be calibrated.
5. The Erase command will completely clear out all payment applications and reformat the file system

## INFO

System information will be displayed in this section. Hardware version, OS version, unit Serial Number, and Security Key Version

HW: B11  
OS: 00131109  
SN: LT0000000001  
PKVC: facf2892

## 7. FDC Master Application

The FDC Master Application controls the operation of all payment applications in the FD100. It determines when an application needs to run based on user input. It also schedules applications to run during idle mode so that background operations can run to check various timed functions such as auto close and auto download.

The FD100 will always start the Master Application first. If this application is not present, the FD100 will boot up into system mode described above

Below is the main idle screen displayed by the Master Application.

**Check Credit Debit**

**GIFT EBT System**

In addition to managing the payment applications, the Master Application also provides a user interface to the system function described below. To enter the FDC System mode, press the System button at the main idle screen.

Upon Entry into the system mode, the following screen will be displayed.

**Load Vers Setup**

**<Back Date/Time Diag**

Below is a description of each feature.

### Load

Load can be used to perform download from a Download Server. USB, RS-232, Modem and Ethernet( IP ) modes are supported. Select the correct download method. The User will be prompted to enter all required download information.

**Download**  
**Modem IP USB**

**<Back Serial Flash**

### Vers

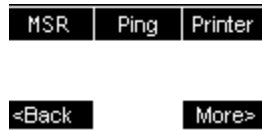
Vers is used to display the version of all payment applications and the OS.

## Date/Time

This feature allows the user to set the local date and time.

## Diag

The Diag function can be used by the help desk to determine problems with the FD100 when installed in the field. The following screen is displayed with the Diag button is pressed.



Here is a brief description of each function:

1. MSR  
The allows the user to test the MSR. The status of all three tracks are displayed on the screen. The actual track data is not displayed to the user. If the track passes, OKAY will be displayed.
2. Ping  
For IP based installations, this function will allow the FD100 to ping another IP address in the system. The user may enter the IP address using the dot notation (example: 192.168.2.1) or enter the url (example: [www.firstdata.com](http://www.firstdata.com)). The terminal will display the results on the screen
3. Printer  
The terminal will print a test page of different fonts and the terminal logo.

Press the MORE Button to get to the next set of functions:



4. Pinpad  
Checks to make sure COM1 is working with the Pinpad
5. Keypad  
Each Key on the keypad may be pressed.
6. Sound  
The default power up sound should be played when the sound button is pressed.
7. MICR  
Checks to make sure COM2 is working with the MICR reader.

## Setup

The setup function allows the user to configure the screen contrast, the IP network settings, and the sound volume. When the setup button is pressed, the following screen is displayed. Both Ethernet and WiFi settings are controlled here.



1. Display

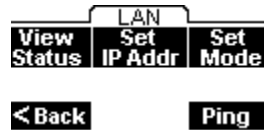
This will allow the user to set the contrast of the LCD. The default setting should be correct for most installation. This setting is persistent and will remain after power cycles.

2. Sound

This will allow the user to set the Volume Level of the sound played by the FD100. By default, the volume level is set to 50%. This setting is persistent and will remain after power cycles.

3. LAN

This will allow the user to configure all IP settings needed to connect to a remote host. When the Network button is pressed, the following screen will display.



1. View Status

The function will display the current IP setting of the FD100. It will show the current mode, DHCP or Static. It also will provide an indication if the network is connected. The current IP address, Gateway, Subnet Mask, and DNS server are also displayed.

2. Set Mode

This allows the user to select either DHCP (default) or Static IP. Before selecting static IP, the user should set the IP address information.

3. Set IP Addr

When Static IP mode is selected, this function allows the user to setup the local IP Address, Subnet Mask, Default Gateway, and DNS server.

4. Ping

This function will allow the user to test any changes just made. It has the same function as the Ping described earlier in the Diag Section.

## 4. WiFi

This will allow the user to configure the WiFi options.



1. **View Status**  
The function will display the current IP setting of the FD100. It will show the current mode, DHCP or Static. It also will provide an indication if the network is connected. The current IP address, Gateway, Subnet Mask, and DNS server are also displayed.
2. **Set Mode**  
The allows the user to select either DHCP (default) or Static IP. Before selecting static IP, the user should set the IP address information.
3. **Set IP Addr**  
When Static IP mode is selected, this function allows the user to setup the local IP Address, Subnet Mask, Default Gateway, and DNS server.
4. **Ping**  
This function will allow the user to test any changes just made. It has the same function are the Ping described earlier in the Diag Section.
5. **Security**  
This will allow the user to select the security type and enter any needed keys. NONE, WEP, and WPA-PSK are supported.

## **8. Omaha Retail/Restaurant Application**

The main payment application interfaces to the Omaha host.

Summary of the Transactions Sets supported:

### **Credit**

- Sale
- Refund
- Force
- Auth Only
- Open Tab
- Close Tab
- Void Tab
- Change Amounts
- Voids

### **Debit**

- Sale
- Refund

### **EBT**

- Food Stamp Sale
- Food Stamp Refund
- Food Stamp Sale Voucher
- Food Stamp Refund Voucher
- Cash Sale
- Cash Only
- Food Stamp and Cash Inquiry

Among the features supported are:

- Tip Processing
- Tax Processing
- Commercial Card Processing
- Fuel Amount Processing
- Amex Split Dial for auth only
- Multiple Report Generation Modes
- FPS
- Floor Limit Processing

## 9. Credit Transactions

Below the prompting sequence for each credit transaction is described.

### Credit Sale

To start a credit Sale, swipe the card at the idle prompt or press the Credit button.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the Sale Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. CREDIT SALE  
SWIPE CARD

User: Manually key the card number or swipe the card. If card swiped, jump to step 7.

4. ENTER ACCOUNT #

User: Continue to manually enter the account number and press the enter key when complete.

Term: The terminal will check the entry against the Card range table. If not found, CARD TYPE NOT SUPPORTED will be displayed.

The Mod10 check digit will also be Validated if enabled in the parameter settings.

5. Select Card Type

User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.

6. EXPIRE DATE MMYX                      User: Enter the Card Expiration Date. (Only Displayed if exp date processing enabled)
- Term: If enabled, validate against system date. EXPIERED CARD displayed if validation Fails. Jump to step 10 if okay.
7.    Term: Validate Swiped card matches a valid card Range. Display CARD TYPE NOT SUPPORTED if Validation fails.
8. Select Card Type                              User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.
9.    Term: If enabled, validate the expiration date. Display CARD EXPIRED if validation fails. The Mod10 is also checked if enabled.
10. CLERK ID                                      User: Enter the Clerk ID. Parameter driven prompt. Text is also parameter driven.
11. TABLE NUMBER                              User: Enter the table number. Parameter driven prompt.
12. VISA SALE                                      User: Enter the Transaction Amount
- ENTER AMOUNT                                      Term: Capture Amount and make sure system  
\$0.00    totals do not overflow.
13. TOTAL AMT:                                      User: Enter the TAX amount. Only displayed for  
\$10.00    purchase/commercial cards. Will not be  
TAX AMOUNT    displayed if TAX EXEMPT set to yes in the  
\$0.00    parameter file.
- Term: Validate Tax Amount. If a valid tax is Entered, jump to step 15. If not tax, proceed to the next step.
14. TAX EXEMPT?                                      User: Select Tax Status. If exempt, continue. Else  
YES    return to step 13.  
NO

15. BASE AMT:

User: Enter the tip amount. Parameter driven Prompt.

TIP AMOUNT  
\$0.00

Term: Validate the tip amount.

16. CUSTOMER CODE

User: Enter Customer code. Press ENTER to bypass. Only displayed for purchase cards.

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

VISA SALE  
Approved XXXXXX

17. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES NO

18. VISA SALE  
Approved XXXXXX

Term: Store Transaction in the batch.  
Transaction Complete.

## Credit Refund

To start a credit Refund, press the Credit button.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the Refund Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. CREDIT REFUND  
SWIPE CARD

User: Manually key the card number or swipe the card. If card swiped, jump to step 7.

4. ENTER ACCOUNT #

User: Continue to manually enter the account number and press the enter key when complete.

Term: The terminal will check the entry against the Card range table. If not found, CARD TYPE NOT SUPPORTED will be displayed.

The Mod10 check digit will also be Validated if enabled in the parameter settings.

5. Select Card Type

User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.



## Credit Force

To start a credit Force, press the Credit button.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the Force Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. CREDIT SALE  
SWIPE CARD

User: Manually key the card number or swipe the card. If card swiped, jump to step 7.

4. ENTER ACCOUNT #

User: Continue to manually enter the account number and press the enter key when complete.

Term: The terminal will check the entry against the Card range table. If not found, CARD TYPE NOT SUPPORTED will be displayed.

The Mod10 check digit will also be Validated if enabled in the parameter settings.

5. Select Card Type

User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.

6. EXPIRE DATE MMYX                      User: Enter the Card Expiration Date. (Only Displayed if exp date processing enabled)
- Term: If enabled, validate against system date. EXPIERED CARD displayed if validation Fails. Jump to step 10 if okay.
7.    Term: Validate Swiped card matches a valid card Range. Display CARD TYPE NOT SUPPORTED if Validation fails.
8. Select Card Type                              User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.
9.    Term: If enabled, validate the expiration date. Display CARD EXPIRED if validation fails. The Mod10 is also checked if enabled.
10. CLERK ID                                      User: Enter the Clerk ID. Parameter driven prompt.
11. TABLE NUMBER                              User: Enter the table number. Parameter driven prompt.
12. VISA FORCE SALE                              User: Enter the Transaction Amount
- ENTER AMOUNT                                      Term: Capture Amount and make sure system  
\$0.00    totals do not overflow.
13. TOTAL AMT:                                      User: Enter the TAX amount. Only displayed for  
\$10.00    purchase/commercial cards or unknown card  
TAX AMOUNT    types. Will not be displayed if  
\$0.00    TAX EXEMPT set to yes in the parameter  
file.
- Term: Validate Tax Amount. If a valid tax is Entered, jump to step 15. If not tax, proceed to the next step.
14. TAX EXEMPT?                                      User: Select Tax Status. If exempt, continue. Else  
YES    return to step 13.  
NO

15. BASE AMT:

User: Enter the tip amount. Parameter driven Prompt.

TIP AMOUNT  
\$0.00

Term: Validate the tip amount.

16. CUSTOMER CODE

User: Enter Customer code. Press ENTER to bypass. Only displayed for purchase cards.

17. ENTER AUTH CODE

User: Enter voice provided auth code.

VISA SALE  
Approved XXXXXX

18. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES NO

19. VISA SALE  
Approved XXXXXX

Term: Store Transaction in the batch.  
Transaction Complete.

## Credit Auth Only

To start a credit Auth Only transaction, press the Credit button.

1. Press the Credit Button



A terminal screen with three buttons: 'Check', 'Credit', and 'Debit'. The 'Credit' button is highlighted.



A terminal screen with three buttons: 'GIFT', 'EBT', and 'System'. The 'System' button is highlighted.

2. Press the More Button

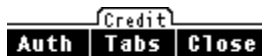


A terminal screen with a 'Credit' button at the top and three buttons below it: 'Sale', 'Refund', and 'Force'. The 'Refund' button is highlighted.



A terminal screen with two buttons: '< Back' and 'More >'. The 'More >' button is highlighted.

3. Press the Auth Button



A terminal screen with a 'Credit' button at the top and three buttons below it: 'Auth', 'Tabs', and 'Close'. The 'Auth' button is highlighted.



A terminal screen with two buttons: '< Back' and 'More >'. The 'More >' button is highlighted.

4. AUTH ONLY SALE  
SWIPE CARD

User: Manually key the card number or swipe the card. If card swiped, jump to step 8.

5. ENTER ACCOUNT #

User: Continue to manually enter the account number and press the enter key when complete.

Term: The terminal will check the entry against the Card range table. If not found, CARD TYPE NOT SUPPORTED will be displayed.

The Mod10 check digit will also be Validated if enabled in the parameter settings.

6. Select Card Type

User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.

7. EXPIRE DATE MMYX                      User: Enter the Card Expiration Date. (Only Displayed if exp date processing enabled)
- Term: If enabled, validate against system date. EXPIERED CARD displayed if validation Fails. Jump to step 11 if okay.
8.    Term: Validate Swiped card matches a valid card Range. Display CARD TYPE NOT SUPPORTED if Validation fails.
9. Select Card Type                      User: Select the card type. This will only be displayed if the card matches multiple card ranges with different card types.
10.    Term: If enabled, validate the expiration date. Display CARD EXPIRED if validation fails. The Mod10 is also checked if enabled.
11. CLERK ID                              User: Enter the Clerk ID. Parameter driven prompt.
12. VISA AUTH ONLY                      User: Enter the Transaction Amount
- ENTER AMOUNT                              Term: Capture Amount and make sure system totals do not overflow.  
\$0.00
13. CUSTOMER CODE                      User: Enter Customer code. Press ENTER to bypass. Only displayed for purchase cards.
- Communication Status                      User: Wait for host response  
Dialing, Waiting for Answer....
- VISA AUTH ONLY                              Term: Only print receipts if auth only receipts enabled.  
Approved    XXXXXX
14. PRINT                                      User: Remove merchant copy of the receipt.  
CUSTOMER RECEIPT                              Press yes to print the customer copy.
- YES    NO
15. VISA SALE                              Term: Store Transaction in the batch.  
Approved    XXXXXX                              Transaction Complete.

## Tab Processing

Tab processing is only allowed for merchant configure for restaurant mode. Merchant type set to 'F'. The user may Open, Close, and Void tabs. Purchase card are not allowed for open tab transactions.

### Open Tab

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the Tabs Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the OPEN Button

**Tabs**  
**Open | Close | Void**

**< Back**

5. OPEN TAB  
SWIPE CARD

User: Manually key the card number or swipe the card. If card swiped, jump to step 7.

6. ENTER ACCOUNT #

User: Continue to manually enter the account number and press the enter key when complete.

Term: The terminal will check the entry against the Card range table. If not found, CARD TYPE NOT SUPPORTED will be displayed. The Mod10 check digit will also be Validated if enabled in the parameter settings.



## Close Tab

1. Press the Credit Button

**Check** **Credit** **Debit**

**GIFT** **EBT** **System**

2. Press the More Button

**Credit**  
**Sale** **Refund** **Force**

**< Back** **More >**

3. Press the Tabs Button

**Credit**  
**Auth** **Tabs** **Close**

**< Back** **More >**

4. Press the Close Button

**Tabs**  
**Open** **Close** **Void**

**< Back**

5. ENTER TRANS #

User: Enter the trans # to close.

6. CORRECT TRANS?  
4005519200000004  
\$10.00

User: Press YES to Confirm

Term: If NO, return to step 5.

YES NO

7. USE SAME CARD?

User: Press yes for same card. NO for new card.

Term: If no is press, void tab and jump to a credit sale transaction  
Else go to next step.

YES NO

8. VISA CLOSE TAB

User: Enter Close Amount

ENTER AMOUNT  
\$0.00

9. BASE AMT:  
\$10.00

User: Enter the TIP AMOUNT

TIP AMOUNT  
\$0.00

10. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES                      NO

11. TAB CLOSED

Term: Store Transaction in the batch.

## Void Tab

This function is used to void any OPEN Tab in the current batch.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the Tabs Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the VOID Button

**Tabs**  
**Open | Close | Void**

**< Back**

5. ENTER TRANS #

User: Enter the trans # to close.

6. CORRECT TRANS?

4005519200000004

\$10.00

User: Press YES to Confirm

Term: If NO, return to step 5.

YES

NO

7. VOID COMPLETE

## 10. Debit Transactions

Below the prompting sequence for each debit transaction is described.

### Debit Sale

1. Press the Debit Button

**Check** **Credit** **Debit**

**GIFT** **EBT** **System**

2. Press the Sale Button

**Sale** **Debit** **Re fund**

**< Back**

3. DEBIT SALE  
SWIPE CARD  
User: Swipe the Debit Card at the prompt.  
Manual Entry not Allowed.
4. CLERK ID  
User: Enter Clerk ID. (Parameter driven Prompt).
5. TABLE NUMBER  
User: Enter Table Number.  
(Parameter Driven Prompt)
6. EDS DEBIT SALE  
User: Enter Sale Amount of transaction  
  
ENTER AMOUNT  
\$0.00
7. SALE AMT:  
\$25.00  
User: Enter Cash Back Amount  
(Parameter Driven Prompt)  
  
CASH BACK AMOUNT  
\$0.00
8. BASEE AMT:  
\$25.00  
User: Enter Tip Amount  
(Parameter Driven Prompt)  
  
TIP AMOUNT  
\$0.00  
Note: Tips can not be adjusted for  
debit. Value must be entered.
9. CHECKING  
Term: Make sure pin pad is present

MASTER KEY

and configured properly

10. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

DEBIT SALE  
Approved XXXXXX

11. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES NO

12. DEBIT SALE  
Approved XXXXXX

Term: Store Transaction in the batch.  
Transaction Complete.

## Debit Refund

Refunds must be allowed in the card type table.

1. Press the Debit Button

**Check** **Credit** **Debit**

**GIFT** **EBT** **System**

2. Press the Refund Button

**Sale** **Debit** **Re fund**

**< Back**

3. DEBIT REFUND  
SWIPE CARD  
User: Swipe the Debit Card at the prompt.  
Manual Entry not Allowed.
  4. CLERK ID  
User: Enter Clerk ID. (Parameter driven  
Prompt).
  5. EDS DEBIT REFUND  
User: Enter Refund Amount of transaction  
  
ENTER AMOUNT  
\$0.00
  6. CHECKING  
MASTER KEY  
Term: Make sure pin pad is present  
and configured properly
  7. WAITING FOR  
PIN ENTRY  
User: Enter Pin on Pin Pad
- Communication Status  
Dialing, Waiting for Answer....  
User: Wait for host response

DEBIT REFUND  
Approved XXXXXX

8. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES NO

9. DEBIT REFUND  
Approved XXXXXX

Term: Store Transaction in the batch.  
Transaction Complete.

# 11. EBT Transactions

## EBT Food Stamp Sale

1. Press the EBT button.



2. Press the Sale Button



3. EBT SALE  
SWIPE CARD

User: Swipe Card or Manually key data.

4. SALE TYPE?

User: Select Food Stamp on touch screen.

FOOD            CASH  
STAMP         BENEFIT

5. CLERK ID

User: Enter Clerk #. Parameter Driven

6. EBT FOODSTAMP SALE

ENTER AMOUNT  
\$0.00

7. CHECKING  
MASTER KEY

Term: Make sure pin pad is present  
and configured properly

8. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

9. EBT SALE  
APPROVED XXXXX

10. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES                      NO

11. EBT SALE  
APPROVED XXXXX

## EBT Cash Benefit Sale

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Sale Button

EBT		
Sale	Refund	Vouch
Void	Cash Only	Inquiry

3. EBT SALE  
SWIPE CARD

User: Swipe Card or Manually key data.

4. SALE TYPE?

User: Select Cash Benefit on touch screen.

FOOD	CASH
STAMP	BENEFIT

5. CLERK ID

User: Enter Clerk #. Parameter Driven

6. TABLE NUMBER

User: Enter Table #. Parameter Driven

7. EBT CASH SALE

ENTER AMOUNT  
\$0.00

8. SALE AMT:  
\$10.00

User: Enter Cash Back Amount.  
Press ENTER for NONE.

CASH BACK AMT  
\$0.00

Parameter Controlled.

9. BASE AMT:  
\$10.00

User: Enter TIP Amt. Parameter driven

TIP AMOUNT  
\$0.00

10. CHECKING

Term: Make sure pin pad is present

MASTER KEY

and configured properly

11. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

12. EBT SALE  
APPROVED XXXXX

13. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES                      NO

14. EBT SALE  
APPROVED XXXXX

## EBT Refund

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Refund Button

EBT		
Sale	Refund	Vouch

Void	Cash Only	Inquiry
------	--------------	---------

3. EBT REFUND  
SWIPE CARD

User: Swipe Card or Manually key data.

4. CLERK ID

5. EBT REFUND

ENTER AMOUNT  
\$0.00

6. CHECKING  
MASTER KEY

Term: Make sure pin pad is present  
and configured properly

7. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

8. EBT REFUND  
APPROVED XXXXX

9. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES                      NO

10. EBT REFUND  
APPROVED XXXXX

## EBT Voucher Sale

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Vouch Button

EBT		
Sale	Refund	Vouch

Void	Cash Only	Inquiry
------	--------------	---------

3. VOUCHER TYPE?

User: Select SALE on touch screen.

SALE            REFUND

4. ENTER ACCOUNT #

User: Manually Key Account Number. Swipe not allowed.

5. CLERK ID

6. ENTER AUTH CODE

User: Enter Auth Code from Voice Approval

7. VOUCHER NUMBER

8. EBT FOODSTAMP SALE

ENTER AMOUNT

\$0.00

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

9. EBT SALE  
APPROVED XXXXX

Term: Capture trans and print receipt.

## EBT Voucher Refund

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Vouch Button

EBT		
Sale	Refund	Vouch
Void	Cash Only	Inquiry

3. VOUCHER TYPE?

User: Select Refund

SALE            REFUND

4. ENTER ACCOUNT #

User: Manually Key Account Number. Swipe not allowed.

5. CLERK ID

6. ENTER AUTH CODE

User: Enter Auth Code from Voice Approval

7. VOUCHER NUMBER

8. EBT REFUND

ENTER AMOUNT

\$0.00

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

9. EBT REFUND  
APPROVED XXXXX

Term: Capture trans and print receipt.

## EBT Food Stamp Inquiry

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Inquiry Button

EBT		
Sale	Refund	Vouch

Void	Cash Only	Inquiry
------	--------------	---------

3. BALANCE INQUIRY  
SWIPE CARD

4. INQUIRY TYPE

FOOD	CASH
STAMP	BENEFIT

User: Select Food Stamp

5. CHECKING  
MASTER KEY

Term: Make sure pin pad is present  
and configured properly

6. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

7. EBT INQUIRY  
APPROVED XXXXX

Term: Print Customer Receipt

## EBT Cash Benefit Inquiry

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Inquiry Button

EBT		
Sale	Refund	Vouch
Void	Cash Only	Inquiry

3. BALANCE INQUIRY  
SWIPE CARD

4. INQUIRY TYPE

User: Select Cash Benefit

FOOD	CASH
STAMP	BENEFIT

5. CHECKING  
MASTER KEY

Term: Make sure pin pad is present  
and configured properly

6. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

7. EBT INQUIRY  
APPROVED XXXXX

Term: Print Customer Receipt

## EBT Cash Only Sale

1. Press the EBT button.

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the Sale Button

EBT		
Sale	Refund	Vouch

Void	Cash Only	Inquiry
------	--------------	---------

3. EBT SALE  
SWIPE CARD

User: Swipe Card or Manually key data.

4. CLERK ID

User: Enter Clerk #. Parameter Driven

5. EBT CASH ONLY

ENTER AMOUNT  
\$0.00

6. CHECKING  
MASTER KEY

Term: Make sure pin pad is present  
and configured properly

7. WAITING FOR  
PIN ENTRY

User: Enter Pin on Pin Pad

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

8. EBT SALE  
APPROVED XXXXX

9. PRINT  
CUSTOMER RECEIPT

User: Remove merchant copy of the receipt.  
Press yes to print the customer copy.

YES                      NO

10. EBT SALE  
APPROVED XXXXX

## 12. Special Processing

### Fraud Prevention

There are three parameter driven options used to help prevent fraud.

#### **Display Account Number for User Confirmation.**

If the card is swiped and this parameter is enabled, the terminal will display the account number on the screen for conformation. If the User selects YES, the transaction proceeds.

CONFIRM ACCOUNT #  
4012000033330026

YES                      NO

#### **Display Last Four Digits of Account Number**

If the card is swiped and this parameter is enabled, the terminal will display the last four digits of the account number on the screen for conformation. If the User selects YES, the transaction proceeds.

LAST FOUR ACCOUNT  
NUMBERS MATCH?  
0026

YES                      NO

#### **Enter Last Four Digits of Account Number**

If the card is swiped and this parameter is enabled, the terminal will prompt the user to enter the last four digits of the account number. If they match the transaction proceeds.

## FPS Processing

For FPS processing, the terminal first follows the normal floor limit processing. If the amount is below the floor limit, the terminal generates a local approval. Otherwise it dials the host. If FPS processing is enabled and the transaction is below the FPS floor limit, the FPS print option determines what type of receipts are printed. FPS processing is driven by the 3 parameters described below.

### Fast Payment Service Flag

- 0 = None
- 1 = Floor Limit (not used)
- 2 = Visa EPS
- 3 = MC Quick (not used)
- 4 = Amex QRS (not used)
- 5 = Custom (not used)

### FPS Print Option

- 0 = None
- 1 = None-prompt customer copy
- 2 = Customer receipt only
- 4 = Merchant receipt only
- 10 = Both receipts w/confirm
- 18 = Both receipts automatic

### FPS Receipt/Signature Floor Limit

For transactions below the FPS Receipt/Signature Floor Limit, do not print signature line on the receipt and use the FSP Printer Option flag to determine if and how to print the receipt copies. For transactions over the FPS Receipt/Signature Floor Limit, normal receipt printing rules apply

Auth FL Limit	Receipt Floor Limit	Tran Amount	Approval Method	Receipt Method
\$25	\$15	\$.00 - \$15	Capture without approval	Use FPS receipt option
\$25	\$15	\$15.01 - \$25	Capture without approval	Do not use FPS receipt option
\$25	\$15	\$25.01 and over	Go online for approval	Do not use FPS receipt option
\$0.00	\$15	\$.00 - \$15	Go online for approval	Use FPS receipt option
\$0.00	\$15	\$15.01 and over	Go online for approval	Do not use FPS receipt option
\$15	\$25	\$.00 - \$15	Capture without approval	Use FPS receipt option
\$15	\$25	\$15.01 - \$25	Go online for approval	Use FPS receipt option
\$15	\$25	\$25.01 and over	Go online for approval	Do not use FPS receipt option
\$0.00	\$0.00	Any	Go online for approval	Do not use FPS receipt option
\$15.00	\$15.00	\$0.00 - \$15	Capture without approval	Use FPS receipt option
\$15.00	\$15.00	\$15.01 and over	Go online for approval	Do not use FPS receipt option

### Card Code Processing

If enabled, Card Code processing will be enabled for manual entries and card is not present. If the card code is not entered, the following selection will be displayed to the user.



### Card Present Processing

If the Bypass Card Present option is disabled, the terminal should prompt ‘Card Present?’ on manually keyed transactions. If enabled, the terminal should not prompt and should use the value of the Card Present Default to determine card present.

### AVS Processing

If AVS/Card Not Present, is enabled for the associated card type, and the account # is manually keyed for an online sale or auth only and the card is not present, the terminal will prompt for the AVS ZIP and address codes. Either field can be bypassed.

If AVS/Card Present is enabled, the account # is manually keyed for an online sale or auth only, and the card is present, the terminal will prompt for the ZIP code only and will allow bypass of the ZIP code.

### Recurring Payment Indicator

Card type option enables and disables RPI prompting and processing for applicable transaction types. RPI prompting applies for all original capture transactions when the account # is manually keyed and card not present is indicated.

### E-Commerce Prompting

The E-Commerce Indicator option enables ECI processing. ECI prompting applies for all original transactions when the account # is manually keyed and card not present is indicated. ECI prompting does not apply for adjustment transactions.

### ‘Imprint Now’ Message

If the Imprint Now Parameter is enabled, the terminal will display an ‘Imprint Now!’ message for 3 seconds for manually keyed transactions.

## 13. Settlement

Settlement for the FD100 can be initiated manually by the user or can be initiated automatically by the terminal if auto close is enabled and the auto close time is present.

### Manual Close

1. Press the Credit Button

**Check Credit Debit**

**GIFT EBT System**

2. Press the More Button

**Credit**  
**Sale Refund Force**

**< Back More >**

3. Press the Close Button

**Credit**  
**Auth Tabs Close**

**< Back More >**

4. Totals Correct?  
\$100.00

User: Select YES to complete close.  
Only display if parameter enabled

YES NO

Communication Status  
Dialing, Waiting for Answer....

User: Wait for host response

5. BATCH CLOSE  
COMPLETE

Term: Clear Batch and print enabled reports

## **Auto Close**

If the Auto Close parameter is enabled and the Auto Close Time is present, the terminal will attempt an auto close.

The terminal check the system time and compares to the auto close time every 30 seconds. If the time matches, the auto close process is started. Once the auto close starts, the batch is locked until settlement is complete or unlocked using the BATCH UNLOCK function. If the unit is powered off and the auto close time passes, the terminal will attempt an auto close the next time it is powered on. The terminal will attempt a maximum of four auto close tries. The retries will occur every 10 minutes. If the close is successful, a close message is display and the reports are printed. A failure report is also printed.

If the batch is empty, a batch empty message will be displayed and printed.

Two additional parameters also impact the auto close process, Close with Open Tabs and Close with Unadjusted Tips. An error condition will be printed if an auto close is attempted and these conditions are meet.

# 14. Receipts

## Credit Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC SALE		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
MDSE/SERVICES	\$23.00	Text From Parameter Init
TAX AMOUNT	\$2.00	For Commercial Cards Only
TIP	\$1.00	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	\$26.00	
I agree to pay above total amount		Only prints if parameter enabled.
According to card issuer agreement.		Merchant Copy Only
(Merchant agreement if Credit Voucher)		
X_____		Signature Line Merchant Copy Only
Card Holder Name		From Track1 if present. Merchant Copy Only
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## Credit Refund Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC REFUND		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:		All spaces
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Offline	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
REFUND AMOUNT	\$23.00	
I agree to pay above total amount		Only prints if parameter enabled.
According to card issuer agreement.		Merchant Copy Only
(Merchant agreement if Credit Voucher)		
X_____		Signature Line Merchant Copy Only
Card Holder Name		From Track1 if present. Merchant Copy Only
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## Credit Force Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC SALE		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Offline	Offline Approval
Cust Code:	9999999999	For Purchase Card Only
MDSE/SERVICES	\$23.00	Text From Parameter Init
TAX AMOUNT	\$2.00	For Commercial Cards Only
TIP	\$1.00	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	\$26.00	
I agree to pay above total amount According to card issuer agreement. (Merchant agreement if Credit Voucher)		Only prints if parameter enabled. Merchant Copy Only
X _____		Signature Line Merchant Copy Only
Card Holder Name		From Track1 if present. Merchant Copy Only
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

### Credit Auth Only Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC SALE		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
PRE-AUTH AMOUNT	\$23.00	
I agree to pay above total amount According to card issuer agreement. (Merchant agreement if Credit Voucher)		Only prints if parameter enabled. Merchant Copy Only
X_____		Signature Line Merchant Copy Only
Card Holder Name		From Track1 if present. Merchant Copy Only
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

### Credit Open Tab Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC OPEN TAB		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
	000000002500	Original Auth Amount
MDSE/SERVICES	_____	Text From Parameter Init
TIP	_____	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	_____	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy
No Signature Required		

### Credit Close Tab Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC SALE		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
MDSE/SERVICES	\$23.00	Text From Parameter Init
TIP	\$1.00	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	\$26.00	
I agree to pay above total amount According to card issuer agreement. (Merchant agreement if Credit Voucher)		Only prints if parameter enabled. Merchant Copy Only
X _____		Signature Line Merchant Copy Only
Card Holder Name		From Track1 if present. Merchant Copy Only
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## Credit Void Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
CREDIT CARD		Transaction Type
MC VOID SALE		Card Type From Parameter Init
CARD #	4012000033330026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## Debit Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
DEBIT CARD		Transaction Type
EDS SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
MDSE/SERVICES	\$23.00	Text From Parameter Init
CASH AMOUNT	\$2.00	If cash back parameter enabled
TIP	\$1.00	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	\$26.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## Debit Refund Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
DEBIT CARD		Transaction Type
EDS SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
REFUND AMOUNT	\$23.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## EBT Food Stamp Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT FOOD STAMP SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
SALE AMOUNT	\$23.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## EBT Food Stamp Refund Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT REFUND		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
REFUND AMOUNT	\$23.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

### EBT Voucher Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT VOUCHER SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	From Voice Approval
Entry Method:	Manual	Manual account Number Entry
Approved:	Online	Online or Offline Approval
Voucher Number	9999999999	
SALE AMOUNT	\$23.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## EBT Voucher Refund Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT VOUCHER REFUND		Card Type From Parameter Init
CARD #	xxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	From Voice Approval
Entry Method:	Manual	Manual account Number Entry
Approved:	Online	Online or Offline Approval
Voucher Number	9999999999	
REFUND AMOUNT	\$23.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

### EBT Cash Benefit Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT CASH BENEFIT SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Table #	9999	Present if prompt enabled
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
MDSE/SERVICES	\$23.00	Text From Parameter Init
CASH AMOUNT	\$2.00	If cash back parameter enabled
TIP	\$1.00	Text From Parameter Init .Only if enabled
TOTAL AMOUNT	\$26.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

### EBT Cash Only Sale Receipt

DEMO MODE		Only in Demo Mode
REPRINT		Only for Reprints
HEADER LINE 1		From Parameter Init
HEADER LINE 1		From Parameter Init
DBA Name		From Parameter Init
DBA Address		From Parameter Init
DBA City,State,Zip		From Parameter Init
12/21	12:37:28	Local date and time
Merchant ID:	00000000172494	From Parameter Init
Terminal ID:	04242241	From Parameter Init
Device ID:		Unique device identifier
EBT		Transaction Type
EBT CASH BENEFIT SALE		Card Type From Parameter Init
CARD #	xxxxxxxxxxxx0026	Truncated if parameter enabled
Expiration Date:	12/06	Hidden if parameter enabled
INVOICE	00042	Text From Parameter Init.
Batch #	000010	Current open batch number
CLERK	1234	Text From Parameter Init
Approval Code:	123456	As returned from the host
Entry Method:	Swiped	Manual or swiped account Number Entry
Approved:	Online	Online or Offline Approval
Cust Code:	9999999999	For Purchase Card Only
SALE AMOUNT	\$0.00	
CASH AMOUNT	\$25.00	If cash back parameter enabled
TOTAL AMOUNT	\$25.00	
FOOTER Line 1		From Parameter Init
Footer Line2		From Parameter Init
Merchant Copy		Customer Copy

## 15. REPORTS

The FD100 will allow the user to view and print reports. The terminal supports net totals, card type totals, transaction details, server details, server totals, and tab reports.

### View Net Totals

Net Totals will display the net of all transaction types by refunds and sales.

1. Press the Credit Button

**Check Credit Debit**

**GIFT EBT System**

2. Press the More Button

**Credit**  
**Sale Refund Force**

**< Back More >**

3. Press the More Button

**Credit**  
**Auth Tabs Close**

**< Back More >**

4. Press the View Report Button

**Credit**  
**View Report Print Report Reprint**

**< Back More >**

5. Press the Net Totals Button

**View**  
**Net Total Card Total Card Detail**

**Tab Server Total Server Detail**

6. CREDIT TOTALS

Sales	\$0.00
Refunds	\$0.00
Totals	\$0.00

## View Card Type Totals

Net Totals will display for each card type.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the View Report Button

**Credit**  
**View Report | Print Report | Reprint**

**< Back | More >**

5. Press the Card Total Button

**View**  
**Net Total | Card Total | Card Detail**

**Tabs | Server Total | Server Detail**

6. CARD TOTALS

MC            \$0.00

VISA         \$0.00

AMEX        \$0.00

Press Enter For More

User: Press the ENTER key to display the next set of card types.

## View Transaction Details

Details of each transaction will be displayed. This function will also allow edits to be performed as allowed by parameter setup.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the View Report Button

**Credit**  
**View | Print | Reprint**  
**Report | Report | Reprint**

**< Back | More >**

5. Press the Card Detail Button

**View**  
**Net | Card | Card**  
**Total | Total | Detail**

**Tabs | Server | Server**  
**Total | Detail**

6. ENTER TRANS #

User: Key in the 6 digit trans Number to view or press ENTER to start with the first transaction in the batch.

7. MC SALE 123456 000001  
CLK 1234  
AMOUNT \$27.00  
4012000033330026

Card Type, Trans Type, Auth Code , Inv #  
Clerk ID  
Total Transaction Amount  
Card Number

< Prev      EDIT      Next >

Press Next to Scroll forward.  
Press Prev to Scroll backwards.  
Press EDIT to change amount or void transactions.

### Change Amounts

If the EDIT key was pressed while viewing transaction details, the user will jump to the edit display.

8. MC SALE 123456 000001  
CLK 1234  
AMOUNT \$27.00  
4012000033330026

Card Type, Trans Type, Auth Code , Inv #  
Clerk ID  
Total Transaction Amount  
Card Number

Amount      Tip      Void

9. Press the Amount Button to edit the Base Amount.

Base Amt:  
\$25.00

Tax will also prompt depending on card type  
This will only change the base, not the tip.

NEW AMOUNT  
\$0.00

10. Press the Tip button to edit the Tip amount.      Only allowed is tip processing is on.

TIP AMT:  
\$2.00

NEW TIP  
\$0.00

11. Press the VOID button to void a transaction.

12.       VOID TRANS?  
      YES            NO

User: Press YES to confirm.

13.   PRINTING VOID RECEIPT

Term: Print a void receipt and return to the details screen.

## View Server Totals

The function allows the user to view net totals by server.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the View Report Button

**Credit**  
**View Report | Print Report | Reprint**

**< Back | More >**

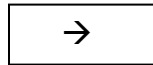
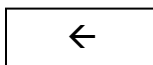
5. Press the Server Total Button

**View**  
**Net Total | Card Total | Card Detail**

**Server Total | Server Detail**

6. Clerk 1234  
 # of Invoices 001  
 Tip Amount \$2.00  
 CashBack Amt \$0.00  
 Total Amount \$6.00

User: Press the scroll buttons to move to the next server



## View Server Details

The function allows the user to view details by server.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the View Report Button

**Credit**  
**View Report | Print Report | Reprint**

**< Back | More >**

5. Press the Server Detail Button

**View**  
**Net Total | Card Total | Card Detail**

**Tabs | Server Total | Server Detail**

6. CLERK ID

User: Enter the CLERK ID to review.

7. MC SALE 123456 000001  
CLK 1234  
AMOUNT \$27.00  
4012000033330026

Card Type, Trans Type, Auth Code , Inv #  
Clerk ID  
Total Transaction Amount  
Card Number

**< Prev**   **EDIT**   **Next >**

Press the NEXT button to go to the next transaction for that server.

## Print Net Totals

Net Totals will print the net of all transaction types by refunds and sales.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the Print Report Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Net Totals Button

Print		
Net Total	Card Total	Card Detail

Tab	Server Total	Server Detail
-----	--------------	---------------

6. Printing Totals

Net Totals Report

Joe's Car Wash		
1650 Washington Ave.		
Mayfield, Ohio 31290		
12/12/2005		15:51:31
Merchant ID:		000000000172494
Terminal ID:		4242299
Device ID:		1234
Batch #:		000010
CREDIT CARD		
TOTALS		
Sales	001	\$5.00
Refunds	001	\$2.00
Totals	002	\$3.00
Tips	001	\$1.00
CashBack	000	\$0.00
Tax	000	\$0.00

## Print Card Type Totals

Totals will print by card type.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the Print Report Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Card Total Button

Print		
Net Total	Card Total	Card Detail

Tab	Server Total	Server Detail
-----	--------------	---------------

6. Printing  
Card Totals

Card Totals Report

Joe's Car Wash		
1650 Washington Ave.		
Mayfield, Ohio 31290		
12/12/2005		15:51:31
Merchant ID:		000000000172494
Terminal ID:		4242299
Device ID:		1234
Batch #:		000010
CREDIT CARD		
TOTALS		
MC	001	\$5.00
VISA	001	\$5.00
AMEX	001	\$5.00
ECA	001	\$5.00
EBT	001	\$5.00
EDS	001	\$5.00

## Print Transaction Details

Details will print for each transaction

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the Print Report Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Card Detail Button

Print		
Net Total	Card Total	Card Detail

Tab	Server Total	Server Detail
-----	--------------	---------------

6. Printing Details

Transaction Detail Report

Joe's Car Wash				
1650 Washington Ave.				
Mayfield, Ohio 31290				
12/12/2005	15:51:31			
Merchant ID:	000000000172494			
Terminal ID:	4242299			
Device ID:	1234			
Batch #:	000010			
CREDIT DETAILS				
INV #	TRAN TYPE	CARD #	CLERK #	
TOTAL AMOUNT	AUTH CODE	DATE	STATUS	
000001	MC VSALE	4012000033330026	1234	
\$11.00	123456	1221	VOID	
000002	MC SALE	4012000033330026	1234	
\$ 1.00	123457	1221		

## Print Server Totals

Totals will print by server.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the Print Report Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Server Total Button

Print		
Net Total	Card Total	Card Detail

Tab	Server Total	Server Detail
-----	--------------	---------------

6. Printing  
Server Totals

Server Totals Report

Joe's Car Wash			
1650 Washington Ave.			
Mayfield, Ohio 31290			
12/12/2005			15:51:31
Merchant ID:			000000000172494
Terminal ID:			4242299
Device ID:			1234
Batch #:			000010
CREDIT			
SERVER TOTALS			
CLERK # of INVOICES			
1234	001	Tips:	\$1.00
		CashBack:	\$0.00
		Total:	\$5.00
9999	001	Tips:	\$1.00
		CashBack:	\$0.00
		Total:	\$5.00

## Print Server Transaction Details

Details will print for each transaction sorted by Server.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the Print Report Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Card Detail Button

Print		
Net Total	Card Total	Card Detail

Tab	Server Total	Server Detail
-----	--------------	---------------

6. CLERK ID

User: Enter the CLERK ID or press  
ENTER to print all Clerks

7. PRINTING DETAILS

Transaction Server Detail Report

Joe's Car Wash				
1650 Washington Ave.				
Mayfield, Ohio 31290				
12/12/2005	15:51:31			
Merchant ID:	000000000172494			
Terminal ID:	4242299			
Device ID:	1234			
Batch #:	000010			
CREDIT DETAILS				
INV #	TRAN TYPE	CARD #	CLERK #	
TOTAL AMOUNT	AUTH CODE	DATE	STATUS	
CLERK 1234 DETAIL				
000001	MC VSALE	4012000033330026	1234	
\$11.00	123456	1221	VOID	
000002	MC SALE	4012000033330026	1234	
\$ 1.00	123457	1221		
CLERK 9999 DETAIL				
000001	MC VSALE	4012000033330026	9999	
\$11.00	123456	1221	VOID	
000002	MC SALE	4012000033330026	9999	
\$ 1.00	123457	1221		

## 16. REPRINT

Any transaction captured in the current batch may be reprinted. Both the merchant and customer copy can be reprinted.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the Reprint Button

**Credit**  
**View | Print |**  
**Report | Report | Reprint**

**< Back | More >**

5. ENTER TRANS #

User: Enter Transaction number to Reprint or press ENTER to reprint the last transaction in the batch.

6. RE-PRINTING RECEIPT

## 17. VOID TRANS

This function provides an easy way to VOID the last transaction in the Batch. Only certain transaction types allow VOIDS.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the More Button

**Credit**  
**View | Print | Reprint**  
**Report | Report**

**< Back | More >**

5. Press the Void Trans Button

**Credit**  
**Void | Delete | Setup**  
**Trans | Batch | Parm**

**< Back | Batch | Batch**  
**Unlock | History**

6. ENTER TRANS #  
TO VOID

User: Enter the transaction number to void or just press enter to Void the last transaction.

7. MC SALE 123456 000001  
CLK 1234  
AMOUNT \$27.00  
4012000033330026

Card Type, Trans Type, Auth Code , Inv #  
Clerk ID  
Total Transaction Amount  
Card Number

Press the VOID button to start the void.

8. VOID TRANS ?  
YES NO

9. PRINTING RECEIPT

10. VOID COMPLETE

## 18. Delete Batch

This function provides a means for the Help Desk to delete a corrupt batch from the terminal.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the More Button

**Credit**  
**View | Print | Reprint**  
**Report | Report**

**< Back | More >**

5. Press the Delete Batch Button

**Credit**  
**Void | Delete | Setup**  
**Trans | Batch | Parm**

**< Back | Batch | Batch**  
**Unlock | History**

6. ENTER PASSWORD

User: Enter the Override password.

7. BATCH DELETED

## 19. Batch History

The function will allow the user to print the history of up to the last 10 batches that have been settled with the host.

1. Press the Credit Button

**Check | Credit | Debit**

**GIFT | EBT | System**

2. Press the More Button

**Credit**  
**Sale | Refund | Force**

**< Back | More >**

3. Press the More Button

**Credit**  
**Auth | Tabs | Close**

**< Back | More >**

4. Press the More Button

**Credit**  
**View | Print | Reprint**  
**Report | Report**

**< Back | More >**

5. Press the Batch History Button

**Credit**  
**Void | Delete | Setup**  
**Trans | Batch | Parm**

**< Back | Batch | Batch**  
**Unlock | History**

6. PRINTING  
BATCH HISTORY

Batch History Report

Joe's Car Wash			
1650 Washington Ave.			
Mayfield, Ohio 31290			
12/12/2005	15:51:31		
Merchant ID:	000000000172494		
Terminal ID:	4242299		
Device ID:	1234		
BATCH HISTORY REPORT			
DATE	TIME	TRANS #	TOTAL
12/21	15:01	004	\$100.00
12/20	15:01	006	\$100.00
12/19	15:01	009	\$100.00
12/18	15:01	014	\$100.00
12/16	15:01	034	\$100.00
12/10	15:01	003	\$100.00
12/09	15:01	004	\$100.00
12/08	15:01	007	\$100.00
12/07	15:01	007	\$560.00
12/06	15:01	064	\$800.00

## 20. Batch Unlock

The function will allow the Help Desk to Unload a batch. When an auto close starts, the FD100 locks the batch. The batch will remain locked until settlement is successful. This function can be used to unlock the batch and allow the merchant to make edits or perform additional transactions.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the More Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Batch Unlock Button

Credit		
Void Trans	Delete Batch	Setup Parm

< Back	Batch Unlock	Batch History
--------	--------------	---------------

6. ENTER PASSWORD

User: Enter the Override Password.

7. BATCH UNLOCKED  
PLEASE CLOSE

## 21. Application Parameters

The User may manually perform a parameter init from the Omaha host using the functions described below. The user may also view current parameter settings present in the terminal.

### Manual Parameter Init

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the More Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Setup Params Button

Credit		
Void Trans	Delete Batch	Setup Params

< Back	Batch Unlock	Batch History
--------	--------------	---------------

8. Press the Load Parm's Button



9. TERMINAL ID

04242244

User: Enter the Terminal ID or press the ENTER key to accept the current TID

10. INIT PHONE #

18004674362

User: Enter the Host Phone or press The ENTER key to accept the current Phone Number displayed.

11. Dialing, Waiting For Answer...

12. PARAMETER INIT COMPLETE

## View Parameters and Edit Parameters

This function will allow the user to view and edit parameters.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tags	Close

< Back	More >
--------	--------

4. Press the More Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Setup Params Button

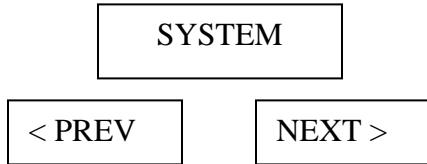
Credit		
Void Trans	Delete Batch	Setup Params

< Back	Batch Unlock	Batch History
--------	--------------	---------------

6. Press the View Parm's Button



7. PARAMETER SETUP



User: Press the Middle Button to  
Select an area to view.

Press Next to go to the next  
Set of parameters

SYSTEM, CLERK, PRINTER, CHECK, HOST1, HOST2, CARD TYPE TAB,  
CARD RANGES, FUEL SETUP,PASSWORDS

Under Passwords, the user may setup the Clerk, Manager and Supervisor Passwords.  
The Password Map controls the level of the password required for the various  
functions. The Password Map can only be changed at the host.

The FUEL Setup allows the fuel prompts and receipts to be enabled. The user can a 5  
descriptions with associated cost per gallon.

## 22. DEMO MODE

The terminal may be placed in demo mode. Transactions less than \$50 will be approved. All other transactions will be declined. Demo will print on all receipts. Demo mode can not be entered with open batches. All batches must be first closed.

1. Press the Credit Button

Check	Credit	Debit
-------	--------	-------

GIFT	EBT	System
------	-----	--------

2. Press the More Button

Credit		
Sale	Refund	Force

< Back	More >
--------	--------

3. Press the More Button

Credit		
Auth	Tab	Close

< Back	More >
--------	--------

4. Press the More Button

Credit		
View Report	Print Report	Reprint

< Back	More >
--------	--------

5. Press the Setup Params Button

Credit		
Void Trans	Delete Batch	Setup Params

< Back	Batch Unlock	Batch History
--------	--------------	---------------

6. Press the Demo Mode Button

Credit		
Load Params	Demo Mode	View Params

< Back
--------

## 23. Supported Parameters

### System Parameters

Location	Description	Min/Max	Default	Supported Values
0000	System Password	4/8	990712	
0103	Merchant Type	0/1	R	R=Retail, F=Rest
0104	Confirm Account Number	0/1	0	1=Yes 0=No
0137	Display Last 4 Account #'s	0/1	0	1=Yes 0=No
0144	Enter Last 4 Account #'s	0/1	0	1=Yes 0=No
0105	Confirm Amount	0/1	0	1=Yes 0=No
0108	Tax Exempt Merchant	0/1	0	1=Yes 0=No
0112	Display Imprint Message	0/1	1	1=Yes 0=No
0113	Prompt Card Present	0/1	0	1=Yes 0=No
0114	Card Present Default	0/1	1	1=Present, 2=Not Present
0139	Allow New Card to Close Tab	0/1	0	1=Yes 0=No
0115	Use Default E-Commerce Setting	0/1	1	1=Yes 0=No
0118	Duplicate Account # Checking	0/1	0	1=Yes 0=No
0121	Confirm Settlement Amount	0/1	1	1=Yes 0=No
0126	Allow Settlement with Open Tabs	0/1	1	1=Yes 0=No
0127	Allow Settlement with Open Tips	0/1	1	1=Yes 0=No
0131	RFID Reader Type	0/1	0	0=None, 2=Vivo, 4=XAC
0142	RFID Reader Type	0/1	2	1=COM1, 2=COM2
0133	Current Transaction Number	0/3	001	
0134	Current Debit Transaction #	0/3	999	
0135	Prompt Order # on Manual Entry	0/1	0	1=Yes 0=No
0145	Prompt Invoice Number	0/1	0	1=Yes 0=No
0136	Perform Auto Download	0/1	0	0=No F=Full P=Partial
0140	Perform Auto Parameter Init	0/1	0	
0141	Auto Download Retry Count	0/2	01	
1900	VXN SRS IP Address	0/100		
1903	VXN Service ID	0/25	111	
1901	Auto Download IP Addr	0/100		
1902	Auto Download IP Port Number	0/10	443	
1904	Download Phone Number	4/16		

### Clerk Parameters

Location	Description	Min/Max	Default	Supported Values
0201	Prompt Clerk ID	0/1	0	1=Yes 0=No
0202	Enable Tip Processing	0/1	1	1=Yes 0=No
0203	Prompt for Tip after Sale Approval	0/1	0	1=Yes 0=No
0204	Bypass Tip during Sale Prompting	0/1	0	1=Yes 0=No
0205	Prompt Table Number	0/1	0	1=Yes 0=No
0209	Enable IRS TRAC Reporting	0/1	0	1=Yes 0=No
0206	Suggested Tip 1 on Receipt	0/2	10	10=10% on receipt
0207	Suggested Tip 2 on Receipt	0/2	15	15=15% on receipt
0208	Suggested Tip 3 on Receipts	0/2	20	20=20% on receipt

### Printer Parameters

Location	Description	Min/Max	Default	Supported Values
0301	Print Clerk Totals After Settlement	0/1	1	1=Yes 0=No
0302	Print Details After Settlement	0/1	0	1=Yes 0=No
0314	Receipt Header Line 1	0/40		Alpha Numeric
0315	Receipt header Line 2	0/40		Alpha Numeric
0303	DBA Name	0/23		Alpha Numeric
0304	DBA Address	0/23		Alpha Numeric
0304	DBA City, State	0/23		Alpha Numeric
0308	Print Open Tab Receipts	0/1	1	1=Yes 0=No
0309	Print Close Tab Receipts	0/1	1	1=Yes 0=No
0310	Print Signature Line on Open Tabs	0/1	0	1=Yes 0=No
0311	Print Promissory Notice on receipt	0/1	1	1=Yes 0=No
0313	Print Void Customer Receipts	0/1	1	1=Yes 0=No
0316	Receipt Footer Line1	0/40		Alpha Numeric
0317	Receipt Footer Line2	0/40		Alpha Numeric
0318	Trans Number Text	0/11	Trans #	Alpha Numeric
0319	Sale Amount Text on Rest Receipts	0/20		Alpha Numeric
0320	Tip Line Text on Receipts	0/10	Tip	Alpha Numeric
0321	Server Short Text	0/3	CLK	Alpha Numeric
0322	Server Long Text	0/6	Clerk	Alpha Numeric
0332	Print Cash Advance Lines	0/1	0	1=Yes 0=No
0327	FPS Print Option	0/2	10	
0328	Truncate Account # on Cust Receipt	0/1	1	1=Yes 0=No
0329	Hide Expire Date on Cust Receipt	0/1	1	1=Yes 0=No
0330	Truncate Account # on Merch Receipt	0/1	0	1=Yes 0=No
0331	Truncate Account # on Reports	0/1	0	1=Yes 0=No

### Fuel Setup Parameters

Location	Description	Min/Max	Default	Supported Values
0660	Enable Fuel Prompting	0/1	1	1=Yes 0=No
0650	Grade 1 Description	0/10		Alpha Numeric
0651	Grade 1 Price/Gallon	0/4		
0652	Grade 2 Description	0/10		Alpha Numeric
0653	Grade 2 Price/Gallon	0/4		
0654	Grade 3 Description	0/10		Alpha Numeric
0655	Grade 3 Price/Gallon	0/4		
0656	Grade 4 Description	0/10		Alpha Numeric
0657	Grade 4 Price/Gallon	0/4		
0658	Grade 5 Description	0/10		Alpha Numeric
0659	Grade 5 Price/Gallon	0/4		

### Local Password Parameters

Location	Description	Min/Max	Default	Supported Values
0613	Manager Password	4/8		
0614	Supervisor Password	4/8		
0615	Clerk Password	4/8		
0600	Prompt Password on Sale Trans	0/1	0	0,1,2,3,4
0601	Prompt Password on Refund Trans	0/1	0	0,1,2,3,4
0602	Prompt Password on Force Trans	0/1	0	0,1,2,3,4
0603	Prompt Password on Tip Adjusts	0/1	0	0,1,2,3,4
0604	Prompt Password to Print Reports	0/1	0	0,1,2,3,4
0605	Prompt Password to View Reports	0/1	0	0,1,2,3,4
0606	Prompt Password for Reprints	0/1	0	0,1,2,3,4
0607	Prompt Password for Voids	0/1	0	0,1,2,3,4
0608	Prompt Password for Manual Close	0/1	0	0,1,2,3,4
0609	Prompt Password for Tabs	0/1	0	0,1,2,3,4
0616	Prompt Password for Manual Entry	0/1	0	0,1,2,3,4

0=Off

1=Manager Password

2=Supervisor Password

3=Clerk Password

4=System Password

### Omaha Host Parameters

Location	Description	Min/Max	Default	Supported Values
1124	Device ID	4/4		Alpha Numeric
1125	Merchant ID	1/19		Alpha Numeric
1103	Primary Transaction Host Phone #	4/16		Alpha Numeric
1104	Number attempts to try on primary	2/2	01	
1105	How long to wait for Host to Answer	2/2	30	
1106	Secondary Transaction Host Phone #	4/16		Alpha Numeric
1107	Number attempts to try on secondary	2/2	01	
1108	How long to wait for Host to Answer	2/2	15	
1109	Primary Settlement Host Phone #	4/16		Alpha Numeric
1110	Number attempts to try on primary	2/2	01	
1111	How long to wait for Host to Answer	2/2	30	
1112	Secondary Settlement Host Phone #	4/16		Alpha Numeric
1113	Number attempts to try on secondary	2/2	01	
1114	How long to wait for Host to Answer	2/2	15	
1126	Host response Timeout	2/2	55	
1116	IP Communications Enabled	0/1	0	1=Yes 0=No
1118	Dial Backup Enabled	0/1	1	1=Yes 0=No
1127	Current Batch Number	1/1	0	Numeric Only 0-9
1115	Enable Auto Close	0/1	1	1=Yes 0=No
1128	Autoclose Time HHMM	4/4		Numeric Military Time

### Amex Split Dial Host Parameters

Location	Description	Min/Max	Default	Supported Values
1224	Amex Terminal ID	1/12		Alpha Numeric
1225	Amex Merchant ID	1/15		Alpha Numeric
1203	Primary Transaction Host Phone #	4/16		Alpha Numeric
1204	Number attempts to try on primary	2/2	01	
1205	How long to wait for Host to Answer	2/2	30	
1206	Secondary Transaction Host Phone #	4/16		Alpha Numeric
1207	Number attempts to try on secondary	2/2	01	
1226	Host response Timeout	2/2	55	

### Card Type Table

Location	Description	Min/Max	Default	Supported Values
0951	Table 1	0/57		
0952	Table 2	0/57		
0953	Table 3	0/57		
0954	Table 4	0/57		
0955	Table 5	0/57		
0956	Table 6	0/57		
0957	Table 7	0/57		
0958	Table 8	0/57		
0959	Table 9	0/57		
0960	Table 10	0/57		
0961	Table 11	0/57		
0962	Table 12	0/57		
0963	Table 13	0/57		
0964	Table 14	0/57		
0965	Table 15	0/57		
0966	Table 16	0/57		
0967	Table 17	0/57		
0968	Table 18	0/57		
0969	Table 19	0/57		
0970	Table 20	0/57		
0971	Table 21	0/57		
0972	Table 22	0/57		
0973	Table 23	0/57		
0974	Table 24	0/57		
0975	Table 25	0/57		
0976	Table 26	0/57		
0977	Table 27	0/57		
0978	Table 28	0/57		
0979	Table 29	0/57		
0980	Table 30	0/57		

The application can support up to 30 different card types. Each card type may have 1-100 card ranges. (The max number of total card ranges = 100). The card type table controls card specific prompting. When a card is swiped, the account number is compared against the card range table. When a match is found, the card range table will provide an index into the card type table.

## Card Type Table Definitions

Example: 02VISA VS0000099999000000001001011111110000011101100

Offset	Description	Size	Supported values
Byte 0	Card Type ID. Must be unique	2	01 to 30
Byte 2	Card Type Name	10	Alpha Numeric
Byte 12	Card Label Abbreviation.	2	MC,VS,DS,AX, etc
Byte 14	Floor Limit for local approvals	4	0010 = \$10.00 (does not include cents)
Byte 18	Cash Back Limit	6	does not include cents
Byte 24	FPS Signature Floor Limit	4	0020=\$20.00
Byte 28	Under Auth Tolerance	2	10 = 10% of original auth
Byte 30	Debit Card Range	1	1 = Yes 0 = No
Byte 31	EBT Card Range	1	1 = Yes 0 = No
Byte 32	Capture Trans in Batch	1	1 = Yes 0 = No
Byte 33	Allow Cash Back	1	1 = Yes 0 = No
Byte 34	Allow Cash Only	1	1 = Yes 0 = No
Byte 35	Mod 10 Check Enabled	1	1 = Yes 0 = No
Byte 36	Signature Line Not Required	1	1 = Not Required 0 = Required
Byte 37	Expire Date Entry Required	1	1 = Required 0 = Not Required
Byte 38	Validate Expiration Date	1	1 = Yes 0 = No
Byte 39	Print Receipts	1	1 = Yes 0 = No
Byte 40	Print Auth Only Receipts	1	1 = Yes 0 = No
Byte 41	Manual Entry Allowed	1	1 = Yes 0 = No
Byte 42	Force Allowed	1	1 = Yes 0 = No
Byte 43	Adjust amount allowed	1	1 = Yes 0 = No
Byte 44	Block Refunds	1	1 = Yes 0 = No
Byte 45	Block Voids	1	1 = Yes 0 = No
Byte 46	Block Auth Only	1	1 = Yes 0 = No
Byte 47	Retail Terms Enabled	1	1=Yes 0=No
Byte 48	Description Code Enabled	1	1=Yes 0=No
Byte 49	Prompt AVS Card Not Present	1	1=Yes 0=No
Byte 50	Prompt AVS Card Present	1	1=Yes 0=No
Byte 51	CVV2 Enabled	1	1=Yes 0=No
Byte 52	FPS Enabled	1	1=Yes 0=No
Byte 53	ECI Enabled	1	1=Yes 0=No
Byte 54	Recurring Payment Enabled	1	1=Yes 0=No
Byte 55	AVS Shipping Zip Code On	1	1=Yes 0=No
Byte 56	E-Commerce Default	1	0=Prompt For Encrypted, 7 =Encrypt, 8 = Non Secure, 6 = MasterCard

### Card Range Table

Location	Description	Min/Max	Default	Supported Values
0801	Card Range1	0/32		Alpha Numeric
0802	Card Range2	0/32		Alpha Numeric
0803	Card Range3	0/32		Alpha Numeric
.....				
.....				
0900	Card Range100	0/32		Alpha Numeric

### Card Range Table Definitions

Offset	Description	Size	Supported values
0	Card Type Abbreviation	2	EB,DB,MC,VS,AX,etc
2	Low Card Range	10	
12	High Card Range	10	
22	Account Number Length	2	13,16,19,etc
24	Card Type	2	00=Credit 80=Debit 40=EBT
26	Purchase Card Type	2	00=None 01=Purchase 02/03=Corp/Business
28	Card Type Table Index	2	This associates the range to the card type.
30	Host ID	2	01=FDR 02=Amex Split Dial
	Example		VS405501000040550499991600010201



## 24. FD100 Error Messages

<b>Error Message</b>	<b>Description</b>
BATCH FULL CLOSE BATCH NOW	The maximum number of transactions have been stored in the batch. The user must close the in order to run more transactions.
BATCH ALMOST FULL	The current batch is almost full. The user should manually close the batch when time permits.
PLEASE RESWIPE CARD	The user swiped a card and the terminal could not decode the track data.
NO DIAL TONE	Dial Tone is not present on the phone line
DIAL ERROR	The modem failed to init. The user should retry the transaction.
NO ANSWER	The host did not answer.
LOST COMM	The host terminated the call during a transaction.
LINE BUSY	The phone number the host dialed is busy. The user should verify that the phone number is correct and contains a 9, if needed.
NO HOST RESPONSE	The host answered the call but did not respond to the terminal's request message.
MERCHANT ID NOT FOUND	The TID or MID is not present in the parameter file.
EXPIRED CARD	Expiration date on card is bad. Check card exp date and verify terminal date and time.
CARD TYPE NOT SUPPORTED	The account number entered is not supported for the transaction type attempted. The card range may not exist or the user swiped a gift card at the credit prompt as an example.
BAD ACCOUNT#	The MOD 10 check failed on the account number.
BAD CARD FORMAT	The terminal was able to decode the track data but the card does not conform to published standards.
BAD CARD	The card type table is not correct in the terminal.

TYPE TABLE	Perform a parameter init.
LAST 4 DIGITS DO NOT MATCH	The terminal prompted the user to enter the last 4 digits of the account number and they do not match what was read from the track data.
TRANSACTION NOT FOUND	This message will display if the user was prompted for a transaction number and the terminal could not find it in the current batch.
BATCH EMPTY	The user tried to view or print transaction details and the current batch is empty.
REFUNDS NOT ALLOWED	Refunds are not enabled for this card type.
FORCE NOT ALLOWED	Force transactions are not enabled for the this card type.
AUTH ONLY SALE SWIPE CARD	This card type can only perform auth only. The sale attempt will not be stored in the batch.
AUTH ONLY NOT ALLOWED END	Auth only not enabled for this card type
BATCH CONTAINS OPEN TABS CAN NOT CLOSE	The user tried to close the batch with open tabs. User must close or void all open tabs before settlement.
BATCH CONTAINS UNADJUSTED TIPS CAN NOT CLOSE	The user tried to close the batch with open tips. User must enter tip amounts for all transaction before settlement.
NOT AN OPEN TAB	User attempted to close an open tab and the tab has already been closed or voided.
TRANSACTION UPDATE FAILED	The user tried to edit or void a change transaction amount and a system error occurred.

PINPAD INIT FAILED	The terminal can not find the pin pad. Verify that the pin pad is connected to COM1 on the terminal and is powered on.
PINPAD PORT INIT FAILED DUKPT KEY NOT LOADED	Internal terminal system error. Another application already has the Pin Pad port in use. The pin pad is not configured for DUKPT operation.
CUSTOMER HIT CANCEL	The user pressed the CLEAR key during a call setup.
PHONE LINE NOT CONNECTED	The terminal can not detect the presence of the phone line. Check to make sure an active line is connected to the terminal.
WAITING FOR LINE	The phone line is present but in use by another device.
PIN PAD NOT RESPONDING	The terminal can not find the pin pad. Verify that the pin pad is connected to COM1 on the terminal and is powered on
PINPAD CANCEL RECEIVED	The user pressed the cancel key on the pinpad.
COM2 PORT INIT FAIL	The terminal could not open the COM2 port. It may already be in use by another application.
CANT CREATE PARAM FILE	System error. Terminal can not allocate memory for the parameter file. Power cycle the terminal. If the error persists, ERASE the file system and download the terminal.
CANT STORE PARAM DATA	System error. Terminal can not allocate memory for the parameter file. Power cycle the terminal. If the error persists, ERASE the file system and download the terminal.
BAD HOST PACKET RECEIVED	The terminal received a corrupt packet from the host. Line noise is the likely cause or unexpected host error.
TAX AMOUNT TOO LARGE	TAX amount exceeds the settlement amount.
CANT VOID	The user tried to void a transaction type that can not

TRANS TYPE	be voided. Debit Sale as an example.
TIP ENTRY NOT ENABLED	The user tried to edit a tip and tips are not enabled.
TOTAL AMOUNT DOES NOT MATCH	Verify amount is enabled and the second amount entered by the user does not match the first total amount.
DUPLICATE CARD NUMBER	This card is already in the current batch. It is just a warning to the user. The transaction will proceed as normal.
TIP ADJUST NOT ALLOWED	Tip processing is enabled but tip change amount are not allowed. This will occur if tips are enabled but the merchant not is not restaurant.
PIN ENTRY TIME OUT	The terminal timed out waiting for the user to enter his pin.
DEBIT NOT ENABLED	DEBIT card range not loaded into the terminal.
ADJUSTMENTS NOT ALLOWED	Card Type does not all change amounts.
TABS NOT ENABLED	Tabs are only allowed when the Merchant Type is configured for restaurant.
TABS NOT SUPPORTED FOR CARD TYPE	Tabs are not enabled for this card type.
REFERRAL VOICE APPROVED?	After an online Sale, the terminal will ask user if he would like to convert to a force transaction. The host has issued a decline for the online attempt.
MANUAL ENTRY NOT ALLOWED	Manual Account Number entry is not allowed.

EXCEEDS CASH BACK LIMIT END	The user entered an amount that exceeded the cash back limit parameter.
UNDER AUTHORIZED CONTINUE?	The user is trying to close a TAB and the original amount authorized is below the allowed percentage. Parameter controlled.
DELETE OPEN TABS?	The user is trying to settle the batch with open tabs.
VOID NOT ALLOWED	Void not allowed for this card type or transaction
CHECK NOT ENABLED	The User pressed the check key on the terminal and check processing is not enabled.
USE SAME CARD?	The user is closing an open tab. The terminal checks to see if the user would like to use a different card to pay for the transaction.
BATCH LOCKED PLEASE CLOSE	An auto close has failed and the current batch is locked. The user must manually close the current batch, delete the batch, or use the unlock function.
PROVISION FAIL TID NOT FOUND	TID is not present in the terminal and terminal is attempting to enable IP processing.
PROVISION FAIL MID NOT FOUND	MID is not present in the terminal and terminal is attempting to enable IP processing.
Datawire ID NOT FOUND	The DATA WIRE DID is not present in the terminal.
VXN ERROR	Error processing with Datawire has occurred.