

LinkPoint® 3000
REFERENCE MANUAL
RETAIL/AVS/PURCHASING CARD
APPLICATION ID L3FRET1



LinkPoint® 3000 Reference Manual—Retail/AVS/Purchasing Card
FDRMS Omaha; Application ID L3FRET1
Manual Revision Number 1.0

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Caution: Danger of explosion if lithium battery is incorrectly replaced. Replace only with the same of equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

TABLE OF CONTENTS

INTRODUCTION.....	1
Printers	1
PIN Pad Devices.....	1
Check Readers.....	1
GETTING STARTED.....	2
Unpacking.....	2
Installation	3
Maintenance	4
Returning the Terminal for Service	4
TERMINAL FEATURES.....	5
Hardware Features	9
LinkPoint 3000 Specifications.....	12
BOOT MODE FUNCTIONS.....	13
Boot Mode Passwords.....	13
Cold Boot.....	13
Date and Time Setup	14
Printer Port Setup	15
RS232 Port Setup.....	16
PIN pad Port Setup.....	17
Model Number.....	18
Clear Memory.....	19
TERMINAL DIAGNOSTICS	20
Display Test — Press [1]	20
Keyboard Test — Press [2].....	21
Clock Test — Press [3].....	21
Dialer Test — Press [4].....	21
Line Voltage Test — Press [5].....	22
Modem Originate Test — Press [6].....	22
Modem Answer Test — Press [7]	23
Cardreader Test — Press [8].....	24
Serial Port Test — Press [9].....	25
Memory Analysis — Press [0].....	25
DOWNLOAD PROCEDURES	27
Telephone Download (No application loaded)	27
Telephone Download (Shortcut with Application already loaded).....	28
Direct PC-to-POS Download	30
Direct PC-to-POS Download (Shortcut).....	31
POS-to-POS (Master/Slave) Download.....	32
DOWNLOAD PARAMETERS	34
Field Type Codes	34
Memory Locations	34
Account Range String Description	39
Password Protect Settings.....	39
Telecheck Check Service	40
Telecheck Check Service Prompt Options.....	40
Equifax Check Service Information.....	41
Rocky Mountain Retail Services (RMRS).....	41
SprintNet.....	41
Split Dial Authorization Option for American Express and Discover Cards.....	42

TABLE OF CONTENTS

DIAL STRING CODES.....	43
BASIC OPERATION.....	44
Transaction Keys.....	44
Using The Cardreader.....	44
The Calculator.....	44
LOCAL FUNCTIONS.....	45
ENTER 40: View Last Three Responses From Host.....	45
ENTER 43: Dial Suffix.....	46
ENTER 44: View Last 3 Batches.....	47
ENTER 45: Demo Mode Enable/Disable.....	48
ENTER 46: Technical Specification Printout.....	48
ENTER 47: Batch Number Setting.....	49
ENTER 49: Clear Batch.....	50
ENTER 50: Deposit Inquiry.....	51
ENTER 50: Update Host.....	52
STANDARD KEY OPERATIONS.....	54
PRE-SALE GRATUITY.....	56
SALE.....	57
ATM/DEBIT CARD SALE.....	68
RETURN.....	73
ATM / DEBIT CARD RETURN.....	77
AUTHORIZATION ONLY.....	81
TICKET ONLY.....	87
VOID.....	95
REVIEW.....	97
REPRINT.....	106
CLOSE BATCH.....	108
APPENDIX A—PROMPTS AND TROUBLE SHOOTING.....	109
APPENDIX B—ADDITIONAL TROUBLESHOOTING GUIDELINES.....	114
GLOSSARY.....	115
INDEX.....	118

INTRODUCTION

Congratulations on your choice of the LinkPoint® 3000 point-of-sale (POS) terminal. The LinkPoint 3000 is ideal for the retail needs of you and your merchants. Scientifically engineered to exceed the quality found in current terminal technology, the LinkPoint 3000 combines user-friendly operation with “soft,” programmable functions. The screen-addressable keys and an innovative backlit display panel make the terminal operation quick and easy. With expanded serial ports, the LinkPoint 3000 is compatible with all major printers. The terminal also contains additional serial ports for PIN pads, check readers and other peripherals.

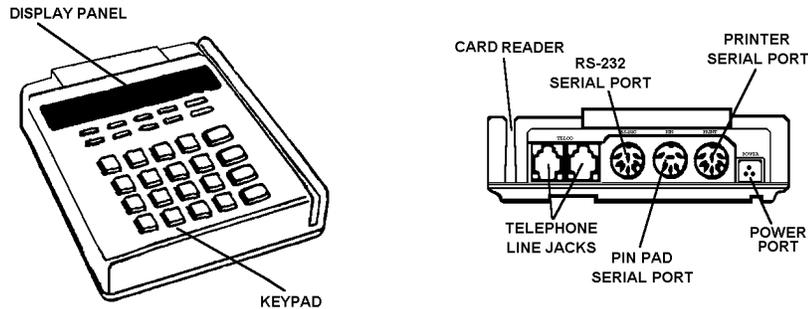


Figure 1

This manual includes step-by-step guides through specific transactions and operations, and shows how to keep the terminal in peak operating condition. It was designed to assist FDRMS, its Help Desk and bank/ISO clients. Words that appear in capital letters and brackets, [LIKE THIS], stand for keys on the terminal keypad. Words that appear in capital letters without brackets, LIKE THIS, stand for display messages.

Printers

The LinkPoint 3000 terminal supports all major terminal printers. The LinkPoint 3000 is compatible with: LinkPoint's PrintPoint 1000, 3000, VeriFone's P250, P900, PrintPak 350 and Citizen's iDP562 printers. Printers attach easily to the LinkPoint 3000 terminal with a connecting cable. If a merchant does not use an electronic printer, a manual imprinter is normally provided to produce transaction records for both the merchant and the customer.

PIN Pad Devices

The L3FRET1 Retail/AVS/Purchasing Card application programmed in the LinkPoint 3000 terminal supports VeriFone PINpads 101, 1000, 201 and 2000 for debit transactions. PIN pads attach easily to the PIN pad connector on the back of the terminal (please refer to the separate PIN pad manual for installation and operating instructions). The Master/Session encryption method is supported.

Check Readers

With the L3FRET1 Retail/AVS/Purchasing Card application programmed, the LinkPoint 3000 supports Magtek check readers for check warranty services.

GETTING STARTED

GETTING STARTED

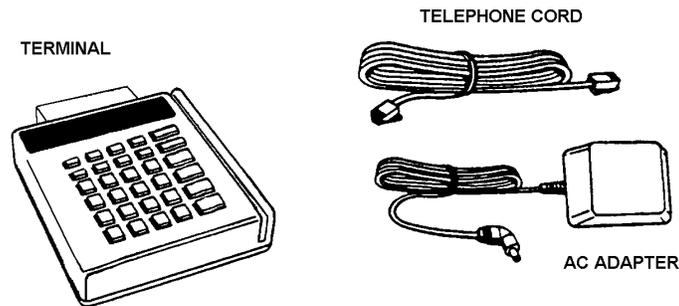
Unpacking

Carefully inspect the shipping carton and its contents for any damage that may have occurred during shipping. If the terminal is damaged, file a claim immediately with the shipping company or carrier and notify LinkPoint International.

Do not try to use a damaged terminal!

To unpack the LinkPoint 3000:

1. With the shipping carton right side up, open the carton's lid.
2. Lift the terminal, its AC adapter and line cord with modular plugs up and out of the box.
3. Remove the terminal from its protective bubble wrap and place the bubble wrap back in the shipping carton. Remove the AC adapter from its protective box and return the box to the shipping carton. Close the shipping carton and save the shipping materials so that the unit can be repacked for shipping or moving in the future.
4. Place the terminal on a desk or tabletop. When choosing a place for the LinkPoint 3000 terminal, avoid areas with:
 - ◆ Direct sunlight or objects that radiate heat
 - ◆ Excessive dust
 - ◆ Electrical devices that cause excessive voltage variations such as air conditioners, space heaters, fans, or high-frequency security devices



Shipping Carton Contents
Figure 2

Installation

Installing the LinkPoint 3000 terminal is simple and requires no tools.

1. Connect the AC adapter's triangular end to the power input at the rear of the LinkPoint 3000 terminal (Figure 3).

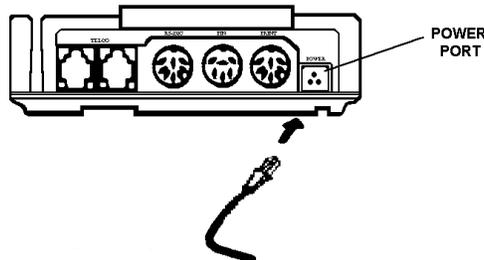


Figure 3

2. Plug the adapter into a 120-volt electrical outlet (Figure 4) or into a quality surge suppressor.

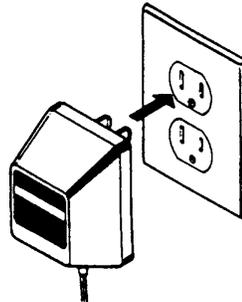


Figure 4

3. Insert one end of the telephone line cord into one of the modular jacks at the rear of the terminal. Insert the other end of the line cord into a modular telephone wall jack, just as one would connect a telephone (see Figure 5). The modular plug may be inserted directly into the wall jack or use a 4-prong adapter (not included) for older 4-prong jacks.

Note: A standard telephone may be connected to the other modular jack at the rear of the terminal.

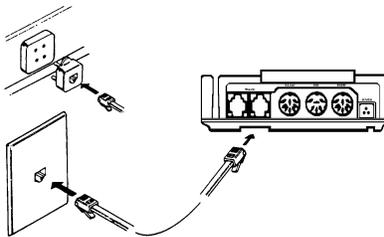


Figure 5

4. If the PrintPoint 1000, 3000, VeriFone P250, P900, PrintPak 350, Citizen iDP562, iDP3530 or other compatible printer is used with the LinkPoint 3000 terminal, please refer to the manual packaged with the printer for installation and operating instructions.

GETTING STARTED

5. When the terminal is plugged in, it will display the message APP. NOT AVAILABLE (unless an application is pre-downloaded).

Maintenance

The LinkPoint 3000 system does not need preventive maintenance. However, LinkPoint International does recommend periodic cleaning of the keypad, using a soft brush to remove any dust. Because the terminal can be damaged by liquids, do not spray liquid cleaners directly on the terminal. Always apply the cleaner to the cloth before cleaning the terminal. To avoid costly downtime, LinkPoint International also recommends protecting the terminal with a surge protector.

Returning the Terminal for Service

LinkPoint International has both warranty and non-warranty LinkPoint 3000 services. Refer to your sales agreement for specific details on coverage. To repair or replace the LinkPoint 3000 terminal, contact LinkPoint International.

TERMINAL FEATURES

Application Software Features-L3FRET1 CLASS A RETAIL/AVS/PURCHASING CARD/DEBIT

- ◆ Most invalid batch sequence errors (except those caused by multiple terminals using identical device ID's under the same merchant ID) are resolved automatically by the application to reduce customer problems and inquiries.
- ◆ Account ranges are available to customize options for each card type via Zontalk downloads. The options are a) AVS, b) direct marketing, c) purchasing card (includes customer code, tax and purchase ID [Visa-only]) and d) invoice number.
- ◆ #INVOICE, #PTAX, #PAVS, #PCARD, and #DM parameters are now universal overrides which, when enabled, take precedence over the options enabled within each account range option setting.
- ◆ The purchase ID prompt, required for Visa purchasing card transactions, has been added. This field allows entry of a maximum of 25 alphanumeric characters. The merchant will enter an invoice number or order number into this field.
- ◆ The customer code field for MasterCard and Visa purchasing card transactions now allows for entry of a maximum of 17 alphanumeric characters. This field is now separate from the order number field.
- ◆ The new #DM (direct marketing) Zontalk parameter replaces the role of the #PAVS parameter as it was used in previous LP 3000 retail applications. This parameter also serves as an override to the “direct marketing” option in the account ranges.
- ◆ The #PAVS parameter is now used to prompt for entry of only the customer's address and ZIP code. When only this field is enabled (and NOT the direct marketing flag), transactions do not comply with direct marketing interchange requirements.
- ◆ Split dial “authorization only” request functionality for American Express and Discover/NOVUS card transactions have been added. Downloadable parameters for primary, secondary dial-up phone numbers and terminal ID are now available.
- ◆ New local functions: a) view last three host responses ([ENTER] [4][0]); b) view last three settled batches ([ENTER] [4][4]); c) deposit inquiry/batch update ([ENTER] [5][0]).
- ◆ The deposit inquiry function (via [ENTER] [5][0]) requests and receives from the host the last settled batch that the host processed. It then displays the settled total on its display.
- ◆ The batch update function (via [ENTER] [5][0]) permits the terminal to send all local revisions and offline items to the host. This function balances terminal and host transactions and totals to assist with merchant terminal support.
- ◆ Local functions now with password protect capability are: a) change batch number ([ENTER] [4][7]), b) view last three settled batches ([ENTER] [4][0]), c) view last three host responses ([ENTER] [4][4]), d) deposit inquiry/batch update ([ENTER] [5][0]).

TERMINAL FEATURES

- ◆ At the terminal level, debit transactions will follow the same item number sequence as credit card transactions, i.e. item 001...010, etc., rather than being tracked, printed and displayed as items 999, 998, 997...etc. as was the convention in Class B.
- ◆ Track 2 data is always transmitted to the host on swiped transactions. The name is pulled from track 1 for printing on receipts.
- ◆ Check reader functionality for Telecheck, Equifax and Rocky Mountain Retail Service check services.
- ◆ New Zontalk download parameter (#CODE) that is used to send a bank's or merchant's unique 'CODE' to the terminal. This code will then be used by the application to create the download password within the terminal. The password changes periodically.
- ◆ A special pre-sale gratuity receipt can be printed **prior** to processing the final credit card sale amount. **THIS WILL BE USED AS AN AID FOR NON-RESTAURANT BUSINESSES LIKE BEAUTY SALONS THAT ACCEPT TIPS.** This feature allows the merchant to print a receipt that is separate from the actual credit card transaction. The customer may then discreetly include a tip amount that can be added to the final sales transaction.
- ◆ Predial capability to reduce transaction time.
- ◆ Special dial string codes to enable the terminal to dial out under special circumstances such as multiple terminals on one phone line, multiple phone line systems.
- ◆ SprintNet Dial protocol add for FDR host connectivity.

The following functions and features are also available in the earlier applications. Some of them have now been revised or modified in L3FRET1.

- ◆ An item review feature with the capability of reviewing all transaction details, including each transaction's actual date and time.
- ◆ The ability to view the terminal's totals by card type or individual transaction details by item number.
- ◆ The numbering of all captured transactions for easy review.
- ◆ A default READY message on line 1 of the display that tracks (decrements) the number of transactions available in the current batch.
- ◆ Six custom header lines for receipts and reports, as well as three flexible customer agreement lines and two trailer message lines.
- ◆ Easy-to-read descriptions of the transaction details, displayed through item review, detail or summary reports.
- ◆ Address Verification Service (AVS) availability. Compliant with direct marketing and other payment service interchange programs.
- ◆ The display message on line 1 and line 2 may be customized. Pressing CLEAR will cause the line 2 display to alternately display the custom message and the default date/time display.

- ◆ Operator identification (up to four alphanumeric characters) for clerks or employees who operate the terminal. Host accommodates a two-digit ID.
- ◆ Pre-print functionality for transactions except debit sales and returns.
- ◆ Pre-print does not include the cardholder information for confidentially purposes—such information prints only when a transaction is accepted or approved.
- ◆ The ability to view and enter dial prefix or dial suffix from the terminal keypad.
- ◆ The capability of reading both track 1 and track 2 card data to allow printing of the cardholder's name under the signature line on credit card receipts. This feature also enables the terminal to accept ATM/debit cards.
- ◆ PINpad 101/1000 and 201/2000 capability, configured through the download.
- ◆ Cashback and tiered transaction fee options available with ATM/debit processing.
- ◆ Debit card reprint functionality.
- ◆ Special instructional reminders on the display and on the receipts: “Imprint Required” message on keyed transactions; “Authorization Required” message on ticket only transactions; “Not A Complete Sale” on authorization only transactions.
- ◆ Compatible with PrintPoint 1000, 3000, VeriFone's P250, P900, PrintPak 350 and Citizen's iDP 562, iDP 3530.
- ◆ A summary report that prints separate bankcard, credit card, ATM/debit and check processing transactions.
- ◆ Batch summary report printing or displaying grand totals, subtotals for each card type, single-line item details, debit item details and totals, etc.
- ◆ Merchant ID “view-only” function ([ENTER] [4][8]).
- ◆ Function to change the device ID (when the batch is closed or cleared) and the FDRMS host telephone numbers ([ENTER] [4][8]).
- ◆ Fraud control features (i.e., display swiped card number, prompt for entry of the last four digits of a credit card and AVS).
- ◆ Password protect feature. One parameter (#PSWD0) to establish the password; a second parameter (#PSWD1) to activate the password prompt for most transactions and local functions.
- ◆ Double entry requirement to confirm amounts entered for \$1,000.00 or greater.
- ◆ Basic calculator functions available from the idle prompt.
- ◆ Telecheck, Equifax, and Rocky Mountain Retail Services bitmap options which set the configuration of the required check service prompts.

TERMINAL FEATURES

- ◆ Purchasing card acceptance capability. Compliant with level 2 requirements.
- ◆ Function to display the last response sent from the host to the terminal, i.e. AUTH/TKT
XXXXXX, DECLINED, etc.

Hardware Features

The primary hardware components of the LinkPoint 3000 terminal are the display panel, the card reader and the keypad. Their features are detailed below in the description of each component.

The Display Panel

Each LinkPoint 3000 terminal has a built-in display panel capable of displaying up to 20 letters or numbers (See Figure 6). The backlit characters and plastic screen enhance readability while reducing glare. The 20-character, two-line display easily accommodates most display messages. The LinkPoint 3000 terminal also supports a scrolling feature that allows users to read messages longer than 20 characters.



Figure 6

The Cardreader

The LinkPoint 3000 terminal includes a dual track magnetic card reader, so the terminal can read both track 1 and track 2. The cardreader reads the cardholder's account number, expiration date, name (track 1 only) and security data from the magnetic stripe on the back of all major credit and bankcards.



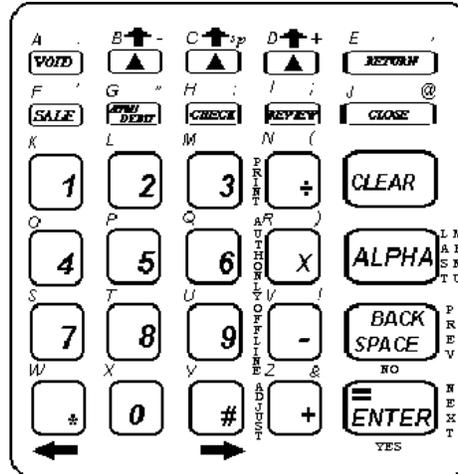
Figure 7

Note: When sliding the card (bidirectionally), face the magnetic stripe down and away from the keypad.

TERMINAL FEATURES

The Keypad and Key Functions

Transactions are performed via the terminal's keypad (See Figure 8). The keypad allows users to select transaction types and information.



Terminal Keypad
Figure 8

As Figure 8 illustrates, the LinkPoint 3000 terminal keypad has 30 keys that can be used to select numbers or letters, choose functions, or enter data. During transactions, the number keys and the “soft” [▲] keys are used to respond to prompts or to enter alphanumeric data.

Entering Alphanumeric Data from the Keypad

The LinkPoint 3000 keypad has 30 keys that can be used to enter as many as 47 different alphanumeric characters (please see chart on next page). To enter numbers and special characters (i.e., +) simply press the appropriate key. Alpha characters can be entered in one of two modes: single or locked. The “single” mode is selected by pressing the [ALPHA] key once followed by the corresponding character key. For example, to enter the letter “A” press [ALPHA] [VOID] and “A” will display. The “locked” mode is selected by pressing the [ALPHA] key twice followed by the corresponding character keys. For example, to enter the word “LINKPOINT” press [ALPHA] [ALPHA] [2] [REVIEW] [+] [1] [5] [4] [REVIEW] [+] [8] and “LINKPOINT” will appear. To release the “locked” upper case mode, press the [ALPHA] key once.

LINKPOINT 3000 ALPHA/SYMBOL ASSIGNMENTS		
Key Assignment	ALPHA MODE [ALPHA] is depressed once or twice prior to pressing the corresponding key	Symbol displayed when pressing the corresponding key directly (NO ALPHA KEY)
[VOID]	A	. (period)
Left Green [▲]	B	- (hyphen)
Center Green [▲]	C	Space
Right Green [▲]	D	+
[RETURN]	E	, (comma)
[SALE]	F	' (apostrophe)
[ATM/DEBIT]	G	" (quote)
[CHECK]	H	: (colon)
[REVIEW]	I	; (semi-colon)
[CLOSE]	J	@ ("at")
[1]	K	1
[2]	L	2
[3]	M	3
[÷]	N	(
[4]	O	4
[5]	P	5
[6]	Q	6
[x]	R)
[7]	S	7
[8]	T	8
[9]	U	9
[-]	V	!
[*]	W	* (asterisk)
[0]	X	0
[#]	Y	# (pound)
[+]	Z	& (ampersand)

TERMINAL FEATURES

LinkPoint 3000 Specifications

Microprocessor	Z180 CPU operating at 12.288 MHz
Memory	128k EPROM and 256k battery-backed RAM (standard); up to 1 megabyte (optional)
Display	Two-line 20 character LCD back-lit display
Keypad	30 key alphanumeric keypad Audio feedback tone (short tone for legal key entry, longer tone for illegal key entry)
Cardreader	Track 1 and track 2, bidirectional magnetic stripe cardreader
Communications	Internal modem with modular jack Standard Bell 103/212A series, V.21 and V.22 high-speed dial- up modem, 300 and 1200 baud
Peripheral Ports	3xRS232 serial ports for PIN pad, roll printers, slip printers, bar code wands, etc.
Power Connector	Three-pin male-DIN power connector
Telco Connector	Six-position modular jack
Operating Environment	32° to 104° F, 0° to 40° C Humidity: 5% to 90% relative humidity; no condensation
Power Requirements	Voltage: 120 volts AC, 60 HZ Power: 10W Adapter Output: 9 VAC, 1.2 amps Consumption: 450 mA, idle; 500 mA, off-hook status
Dimensions	Height: 1.98 in (50.4 mm) Width: 5.60 in (143.1 mm) Depth: 6.50 in (165.4 mm)
Weight	Shipping Weight: 2.74 lb. (1.24 kg)

BOOT MODE FUNCTIONS

The LinkPoint 3000 boot mode allows access to certain operating system, hardware, and diagnostic functions, including: date and time setup, terminal diagnostics, clear memory (application and data), port setup and application download. Application download procedures are covered in detail beginning on page 27. This section explains how to:

1. Set the correct date and time
 2. Use terminal diagnostics
 3. Setup ports
 4. Erase the RAM
- ✓ **If the LP3000 displays APP. NOT AVAILABLE on line 1 of the screen and TIME LOAD SETUP on line 2, it is already in boot mode. When in boot mode with an application already loaded, line 1 displays CLEAR TO RESUME, while the display on line 2 is also TIME LOAD SETUP.**

Boot Mode Passwords

- If an application is already downloaded into the LinkPoint 3000 terminal (i.e. display reads READY XXX), the procedure to gain access to the boot mode is: **hold down [ALPHA], press [7] [1] [3] [9] and release [ALPHA].**
- In the boot mode, if the LinkPoint 3000 terminal prompts for password entry, key in the default password **[4] [6] [5] [1] [0] [7] [0] and press [ENTER].** **If the terminal was configured for a unique download password,** key in the unique password that can only be obtained from the FDRMS Help Desk or the password assigned by the bank/ISO.

Cold Boot

The cold boot feature can be used to clear the terminal's memory (RAM). This feature should always be used under the guidance of a qualified service representative and should only be done to clear a corrupted application or to perform download tests. To access this feature, unplug the terminal's power cord, hold down the [CLEAR] key, plug in the power cord, then release the [CLEAR] key.

Display Message

Enter password:

[▲] [▲] [▲]

CLEAR to cold start
Any other to resume

[▲] [▲] [▲]

LP-3000, 3.3, 03/24/99
Select Test Number

[▲] [▲] [▲]

Operator Action

Key in the default password of [4] [6] [5] [1] [0] [7] [0] or the password assigned by the bank/ISO or FDMS Help Desk and press [ENTER].

Press the [CLEAR] key to erase the memory (RAM) or any other key to reboot the terminal.

Press the [*] key to reset the terminal to the APP. NOT AVAILABLE display.

BOOT MODE FUNCTIONS

Date and Time Setup

To set the correct date and time follow the procedures outlined below.

Display Message

```
READY XXX
JAN-03-99 SUN 10:30P
[▲] [▲] [▲]
```

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

```
01/03/99 10:30:41
Date Time
[▲] [▲] [▲]
```

```
Enter password:
_
[▲] [▲] [▲]
(optional)
```

```
Enter new date
MM/DD/YY
[▲] [▲] [▲]
```

```
01/03/00 10:30:41
Date Time
[▲] [▲] [▲]
```

```
Enter new time
HH:MM
[▲] [▲] [▲]
```

```
01/03/00 11:30:00
Date Time
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the left [▲] key to select TIME.

Press the left [▲] key to select DATE.

If prompted, key in the password and press [ENTER]. The unique password may be obtained through the bank /ISO or FDRMS Help Desk.

Key in the correct date and press [ENTER].

Press the right [▲] key to select TIME.

Key in the correct time using 24-hour format (i.e., 3:30p.m.= [1][5][3][0]) and press [ENTER].

Press [CLEAR] twice to reboot terminal and return to the Ready prompt.

Printer Port Setup

To change the printer port factory defaults follow the steps outlined below. The default settings are compatible for use with most LinkPoint, VeriFone, and Citizen printers. **THERE IS USUALLY NO NEED TO CHANGE THESE SETTINGS.** Standard Default setting: Baud=9600, Parity=Even.

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
```

[▲] [▲] [▲]

```
CLEAR to resume
Time Load Setup
```

[▲] [▲] [▲]

```
Setup
Ports Model Test
```

[▲] [▲] [▲]

```
Port setup
Printer RS232 Pinpad
```

[▲] [▲] [▲]

```
Printer setup
Baud Parity
```

[▲] [▲] [▲]

```
Current baud: 9600
1200 2400 9600
```

[▲] [▲] [▲]

```
Printer setup
Baud Parity
```

[▲] [▲] [▲]

```
Current parity: Even
Even None Odd
```

[▲] [▲] [▲]

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the right [▲] key to select SETUP.

Press the left [▲] key to select PORTS.

Press the left [▲] key to select PRINTER.

Press the left [▲] key to select BAUD to change the printer baud rate.

Select the correct baud rate. Press the [▲] key below your choice to select it and press [CLEAR].

Press the right [▲] key to select PARITY.

Select the correct parity. Press the [▲] key below your choice to select it and press [CLEAR] five times to reboot the terminal.

BOOT MODE FUNCTIONS

RS232 Port Setup

To change the RS232 port factory defaults follow the steps outlined below. The default settings are designed to be used for direct RS232 and Master-Slave (POS-to-POS) downloads. Standard Default: Baud=19200, Parity=None. **There is usually no need to change these settings.**

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

```
Setup
Ports Model Test
[▲] [▲] [▲]
```

```
Port setup
Printer RS232 Pinpad
[▲] [▲] [▲]
```

```
RS232 setup
Baud Parity
[▲] [▲] [▲]
```

```
Current baud: 19200
1200 2400 9600
[▲] [▲] [▲]
```

```
RS232 setup
Baud Parity
[▲] [▲] [▲]
```

```
Current parity: None
Even None Odd
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the right [▲] key to select SETUP.

Press the left [▲] key to select PORTS.

Press the middle [▲] key to select RS232.

Press the left [▲] key to select BAUD.

Select the correct baud rate (default is 19200). Press the [#] key to see other options. Press the [▲] key below your choice to select it and press [CLEAR].

Press the right [▲] key to select PARITY.

Select the correct parity (default is None). Press the [▲] key below your choice to select it and press [CLEAR] five times to reboot the terminal.

PIN pad Port Setup

To change the PIN pad port factory defaults follow the steps outlined below. The standard default settings are: Baud=1200, Parity=Even. **There is usually no need to change these settings.**

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

```
Setup
Ports Model Test
[▲] [▲] [▲]
```

```
Port setup
Printer RS232 Pinpad
[▲] [▲] [▲]
```

```
Pinpad setup
Baud Parity
[▲] [▲] [▲]
```

```
Current baud: 1200
1200 2400
[▲] [▲] [▲]
```

```
Pinpad setup
Baud Parity
[▲] [▲] [▲]
```

```
Current parity: Even
Even None Odd
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the right [▲] key to select SETUP.

Press the left [▲] key to select PORTS.

Press the right [▲] key to select PINPAD.

Press the left [▲] key to select BAUD.

Select the correct baud rate (default is 1200). Press the [▲] key below your choice to select it and press [CLEAR].

Press the right [▲] key to select PARITY.

Select the correct parity (default is Even). Press the [▲] key below your choice to select it and press [CLEAR] five times to reboot the terminal.

BOOT MODE FUNCTIONS

Model Number

Follow the procedures outlined below to find out the terminal model (version) of the ROM and RAM.

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

```
Setup
Ports Model Test
[▲] [▲] [▲]
```

```
Model 256k
ROM <ver> RAM
[▲] [▲] [▲]
```

```
ROM Version V01.00x
[▲] [▲] [▲]
```

```
Model 256k
ROM <ver> RAM
[▲] [▲] [▲]
```

```
RAM Version: XXXX
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the right [▲] key to select SETUP.

Press the middle [▲] key to select MODEL.

Press the left [▲] key to select ROM.

Terminal displays ROM version. Press [CLEAR].

Press the right [▲] key to select RAM.

Terminal displays the application (in RAM) version. Press [CLEAR] four times to reboot the terminal.

Clear Memory

This irreversible function erases the terminal's memory (RAM) and should only be accessed with the assistance of a qualified service representative. Follow the procedures outlined below to erase the terminal's RAM.

WARNING: After erasing the RAM, a full download must be performed to restore the application to the terminal's memory.

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

```
Setup
Ports Model Test
[▲] [▲] [▲]
```

```
Test
Mem Clear Diags
[▲] [▲] [▲]
```

```
Enter password:
_
[▲] [▲] [▲]
```

```
Clear: Are you sure?
Yes No
[▲] [▲] [▲]
```

```
App. not available
Time Load Setup
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

Press the right [▲] key to select SETUP.

Press the right [▲] key to select TEST.

Press the left [▲] key to select MEM CLEAR.

Key in the default password of [4] [6] [5] [1] [0] [7] [0] or the password assigned by the bank/ISO or FDRMS Help Desk and press [ENTER].

Press the left [▲] key to select YES and confirm memory clear.

The memory was successfully cleared.

TERMINAL DIAGNOSTICS

TERMINAL DIAGNOSTICS

The LinkPoint 3000 diagnostics tests the different hardware components of the terminal. Follow the procedures outlined below to initiate the diagnostics menu. Diagnostics are intended for use primarily by repair depots, technicians and for POS support service centers.

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

Operator Action

Hold down the [ALPHA] key and press [7] [1] [3] [9]. Release the [ALPHA] key to enter the boot mode.

```
CLEAR to resume
Time Load Setup
[▲] [▲] [▲]
```

Press the right [▲] key to select SETUP.

```
Setup
Ports Model Test
[▲] [▲] [▲]
```

Press the right [▲] key to select TEST.

```
Test
Mem Clear Diags
[▲] [▲] [▲]
```

Press the right [▲] key to select DIAGS.

```
Enter password:
_
[▲] [▲] [▲]
```

Key in the default password of [4] [6] [5] [1] [0] [7] [0] or the password assigned by the bank/ISO or FDRMS Help Desk and press [ENTER].

```
LP-3000, 3.3, 03/24/99
Select Test Number
[▲] [▲] [▲]
```

At this point, the LinkPoint 3000 terminal prompts the user to choose from the ten tests it can perform. To select a test simply press the appropriate number key.

Display Test —Press [1]

Display Message

```
Display Test
[▲] [▲] [▲]
```

Operator Action

Please wait...

```
0123456789ABCDEFGHIJ
KLMNOPQRSTUVWXYZ{\}^
[▲] [▲] [▲]
```

Please wait...

```
#####
#####
[▲] [▲] [▲]
```

At this point this you can press [ENTER] to continue the diagnostics testing or press [CLEAR] to exit the testing.

Keyboard Test — Press [2]

Display Message

Keyboard Test
Left>Right, Top>Bot
[▲] [▲] [▲]

Operator Action

Press every key starting from the top-left section and working to the bottom-right.

Keyboard Test
All Keys Are OK!
[▲] [▲] [▲]

Press [CLEAR] to end keyboard test.

Exit diags?
Yes No
[▲] [▲] [▲]

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Clock Test — Press [3]

Display Message

Clock Test
12/31/99 23:59:55
[▲] [▲] [▲]

Operator Action

Please wait five seconds as clock changes to 01/01/00.

Clock Test
01/01/00 00:00:00
[▲] [▲] [▲]

Press [CLEAR] to end clock test.

Exit diags?
Yes No
[▲] [▲] [▲]

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Dialer Test — Press [4]

Display Message

Dialer Test
Pulse Tone
[▲] [▲] [▲]

Operator Action

Press the left [▲] key to select PULSE.

Dialer Test
Dialing With Pulse
[▲] [▲] [▲]

Please wait while test is performed.

Dialer Test
Dialing Complete
[▲] [▲] [▲]

Please wait...

TERMINAL DIAGNOSTICS

Display Message

Dialer Test		
Pulse		Tone
[▲]	[▲]	[▲]

Operator Action

Press the right [▲] key to select TONE.

Dialer Test		
Dialing With Tone		
[▲]	[▲]	[▲]

Please wait while test is performed.

Dialer Test		
Dialing Complete		
[▲]	[▲]	[▲]

Please wait...

Dialer Test		
Pulse		Tone
[▲]	[▲]	[▲]

Press [CLEAR].

Exit diags?		
Yes		No
[▲]	[▲]	[▲]

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Line Voltage Test — Press [5]

Display Message

Line Voltage Test		
In Works		
[▲]	[▲]	[▲]

Operator Action

Please wait...

Line Voltage Test		
Line Free		
[▲]	[▲]	[▲]

Test was successful. Press [CLEAR] to end line voltage testing.

Exit diags?		
Yes		No
[▲]	[▲]	[▲]

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Modem Originate Test — Press [6]

The modem originate and the modem answer tests are interactive. The modem originate test requires dialing another LP 3000 terminal.

Display Message

Modem Originate Test		
Enter Tel # To Dial		
[▲]	[▲]	[▲]

Operator Action

Key in telephone number to dial.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Originate Test Wait for DTD [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Originate Test Dialing [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Originate Test Carrier Det [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Originate Test Connect 1200 [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Originate Test RS-232 9600, N, 8, 1 [▲] [▲] [▲]</div>	Test was successful. Press [CLEAR] to end modem originate test.
<div style="border: 1px solid black; padding: 5px; text-align: center;">Exit diags? Yes No [▲] [▲] [▲]</div>	Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Modem Answer Test — Press [7]

The modem answer and the modem originate tests are interactive. The modem answer test requires receiving a call from another LP 3000 terminal.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Answer Test Wait for Ring [▲] [▲] [▲]</div>	The modem is waiting for a call.
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Answer Test Connect 1200 [▲] [▲] [▲]</div>	When a call is received, the modem tries to connect.
<div style="border: 1px solid black; padding: 5px; text-align: center;">Modem Answer Test RS-232 9600, N, 8, 1 [▲] [▲] [▲]</div>	Press [CLEAR] to end modem answer test.
<div style="border: 1px solid black; padding: 5px; text-align: center;">Exit diags? Yes No [▲] [▲] [▲]</div>	Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

TERMINAL DIAGNOSTICS

Cardreader Test — Press [8]

Display Message

Clear to Restart
TK1 TK2 TK1&2
[▲] [▲] [▲]

Operator Action

Press the left [▲] key to test the cardreader's ability to read track 1 data.

Swipe Card	S:00
[▲] [▲] [▲]	

Swipe card.

%B0227271714569^CARD
Track 2 absent S:04
[▲] [▲] [▲]

To auto scroll right/left hold down the [#] key or the [*] key or press [CLEAR] to end card reader track 1 testing.

Clear to Restart
TK1 TK2 TK1&2
[▲] [▲] [▲]

Press the middle [▲] key to test the card reader's ability to read track 2 data.

Swipe Card	S:00
[▲] [▲] [▲]	

Swipe card.

Track 1 absent S:07
;0227271714569-9612
[▲] [▲] [▲]

To auto scroll right/left hold down the [#] key or the [*] key or press [CLEAR] to end cardreader track 2 testing.

Clear to Restart
TK1 TK2 TK1&2
[▲] [▲] [▲]

Press the right [▲] key to test the cardreader's ability to read both track 1 and track 2 data.

Swipe Card	S:00
[▲] [▲] [▲]	

Swipe card.

%B0227271714569^CARD
;0227271714569-9612
[▲] [▲] [▲]

To auto scroll right/left hold down the [#] key or the [*] key or press [CLEAR] twice to end cardreader track 1 and 2 testing.

Exit diags?
Yes No
[▲] [▲] [▲]

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Serial Port Test — Press [9]

This test is for engineering use only and requires special port connectors.

Display Message

```
Serial Port Test
PRN  PIN  232
[▲]  [▲]  [▲]
```

Operator Action

Please wait...

```
PRN  PIN  232
OK!  OK!  OK!
[▲]  [▲]  [▲]
```

Terminal displays status and beeps. Press [CLEAR] to end test.

```
Exit diags?
Yes          No
[▲]  [▲]  [▲]
```

Press the right [▲] key to perform another diagnostics test or press the left [▲] key to exit diags and return to the boot mode main menu.

Memory Analysis — Press [0]

Display Message

```
Installed Memory
ROM: 128K RAM: 256K
[▲]  [▲]  [▲]
```

Operator Action

Please wait...

```
Testing ROM LRC's
[▲]  [▲]  [▲]
```

The terminal begins a ROM (Read Only Memory) analysis.

```
ROM:   64   128
TEST   ***   ***
[▲]  [▲]  [▲]
```

```
ROM:   64   128
TEST  OK!  OK!
[▲]  [▲]  [▲]
```

```
Testing RAM CRCs
[▲]  [▲]  [▲]
      (optional)
```

The terminal automatically begins a RAM (Random Access Memory) analysis. This analysis occurs only when no application is downloaded.

```
RAM:  LOW  HIGH
TESTCOM1/BANKBANK
[▲]  [▲]  [▲]
      (optional)
```

TERMINAL DIAGNOSTICS

Display Message

RAM: LOW HIGH
TEST OK!/OK! OK!

[▲] [▲] [▲]
(optional)

LP-3000, 3.3, 03/24/99
Select Test Number

[▲] [▲] [▲]

Operator Action

Please wait...

Press any number key to resume diags testing.
Press [CLEAR] to exit diags mode.

DOWNLOAD PROCEDURES

There are three methods of downloading the application into the LinkPoint 3000: 1) remotely via telephone, 2) PC-to-POS, and 3) POS-to-POS. Unless an application has been pre-downloaded, the terminal will initially display the message APP. NOT AVAILABLE. If a full or a partial download is selected, the terminal will prompt the user to enter any missing fields (i.e., application ID) and will automatically return to the first empty field. **NOTE: LP3000 units installed with Operating System 3.2 or higher reflect a different format on line 2 of the display during any download method. Rather than displaying AP-xxxxxxx T-xxxxxxx, it will display the application ID, a comma, followed by the terminal ID being downloaded, i.e. L3FRET1,1234567890.**

Telephone Download (No application loaded)

The telephone download requires the use of a remote PC with the software necessary to accept incoming download requests (i.e., Zontalk 2000™). Follow the procedures outlined below to setup the LinkPoint 3000 terminal for a modem download. **When the terminal displays 'APP. NOT AVAILABLE' on line 1 of the display, a FULL download must be initiated.**

Display Message	Operator Action			
<table border="1"><tr><td>App. not available</td></tr><tr><td>Time Load Setup</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	App. not available	Time Load Setup	[▲] [▲] [▲]	Press the middle [▲] key to select LOAD.
App. not available				
Time Load Setup				
[▲] [▲] [▲]				
<table border="1"><tr><td>Download Set port</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Download Set port	[▲] [▲] [▲]	Press the right [▲] key to select SET PORT.	
Download Set port				
[▲] [▲] [▲]				
<table border="1"><tr><td>Select download port</td></tr><tr><td>Modem RS232</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Select download port	Modem RS232	[▲] [▲] [▲]	Press the left [▲] key to select MODEM.
Select download port				
Modem RS232				
[▲] [▲] [▲]				
<table border="1"><tr><td>Modem settings</td></tr><tr><td>Baud/par Dial Mode</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Modem settings	Baud/par Dial Mode	[▲] [▲] [▲]	Press right [▲] to select DIAL MODE.
Modem settings				
Baud/par Dial Mode				
[▲] [▲] [▲]				
<table border="1"><tr><td>Select dial mode</td></tr><tr><td>Tone Pulse</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Select dial mode	Tone Pulse	[▲] [▲] [▲]	Select the phone line type. Press the left [▲] key to select TONE (standard) or press the right [▲] key to select PULSE.
Select dial mode				
Tone Pulse				
[▲] [▲] [▲]				
<table border="1"><tr><td>Tone dial selected</td></tr><tr><td>Tone Pulse</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Tone dial selected	Tone Pulse	[▲] [▲] [▲]	A ...DIAL SELECTED message will display momentarily. Press [CLEAR] twice to return to DOWNLOAD SET PORT prompt.
Tone dial selected				
Tone Pulse				
[▲] [▲] [▲]				
<table border="1"><tr><td>Download Set port</td></tr><tr><td>[▲] [▲] [▲]</td></tr></table>	Download Set port	[▲] [▲] [▲]	Press the left [▲] key to select DOWNLOAD.	
Download Set port				
[▲] [▲] [▲]				

DOWNLOAD PROCEDURES

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter phone number _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to accept the current telephone number or key in the new telephone number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Appl. ID. L3FRET1</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the application ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Terminal ID.</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the terminal ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Modem Download Full Partial</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Select the type of download. Press the left [▲] key for a “full” download or press the right [▲] key for a “partial” download.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">WAITING ON ENQ...</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">CONNECTED 1200 L3FRET1, XXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">*----- L3FRET1, XXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Please wait... the download time is approximately 12-14 minutes for a full download and 1-2 minutes for a partial download. After it is completed, the terminal will configure the application.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">CLEAR to resume Time Load Setup</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	This message displays when the download completes. Press [CLEAR] to allow the program to finish loading. This process takes approximately 1-2 minutes.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	The terminal is ready for operation when it displays READY XXX and the date and time.

Telephone Download (Shortcut with Application already loaded)

To perform a telephone download using the terminal's default communication settings, follow the steps below. This shortcut method can only be performed when an application has been pre-downloaded into the terminal. **This procedure is used to change the application ID or upgrade to a new revision, and to perform partial downloads to change parameters or features for a client.**

DOWNLOAD PROCEDURES

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

```
FUNCTION
[▲] [▲] [▲]
```

```
Enter password:
[▲] [▲] [▲]
(optional)
```

```
Enter phone number
[▲] [▲] [▲]
```

```
Enter Appl. ID.
L3FRET1
[▲] [▲] [▲]
```

```
Enter Terminal ID.
[▲] [▲] [▲]
```

```
Modem Download
Full Partial
[▲] [▲] [▲]
```

```
WAITING ON ENQ...
[▲] [▲] [▲]
```

```
CONNECTED 1200
L3FRET1 XXXXX
[▲] [▲] [▲]
```

```
*-----
L3FRET1 XXXXX
[▲] [▲] [▲]
```

```
READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]
```

Operator Action

Press [ENTER].

Press [BACKSPACE].

If prompted, key in the password and press [ENTER]. The password may be obtained through the bank/ISO or FDRMS Help Desk.

Press [ENTER] to accept the current telephone number or key in the new telephone number and press [ENTER].

Press [ENTER] to accept the current application ID or type in the new application ID and press [ENTER].

Press [ENTER] to accept the current terminal ID or type in the new terminal ID and press [ENTER].

Select the type of download. Press the left [▲] key for a "full" download or press the right [▲] key for a "partial" download.

Please wait...

Please wait...

Please wait...the download will last approximately 12-14 minutes for a full download and 1-2 minutes for a partial download. After it is completed, the terminal will configure the application.

The terminal is ready for operation when it displays READY XXX and the date and time.

DOWNLOAD PROCEDURES

Direct PC-to-POS Download

The direct PC-to-POS download requires the use of a local PC with the software necessary to perform a local download (i.e., Zontalk 2000™). Follow the procedures outlined below to setup the LinkPoint 3000 terminal for a local download. A serial cable with a DB-9 female to the PC male connector and 8-pin DIN male connector to the terminal's RS-232C port, such as VeriFone cable part #00446-04 REV. E, is required.

Display Message

App. not available
Time Load Setup
[▲] [▲] [▲]

Operator Action

Press the middle [▲] key to select LOAD.

Or, if there is already an application loaded...

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

Hold down the [ALPHA] key while pressing [7] [1] [3] [9] to enter the boot mode.

CLEAR to resume
Time Load Setup
[▲] [▲] [▲]

Press the middle [▲] key to select LOAD.

Enter password:
<i>(optional)</i>

If prompted, key in the password and press [ENTER]. The password may be obtained through the bank/ISO or FDRMS Help Desk.

Download Set port
[▲] [▲] [▲]

Press the right [▲] key to select SET PORT.

Select download port
Modem RS232
[▲] [▲] [▲]

Press the right [▲] key to select RS232.

RS232 setup
Baud Parity
[▲] [▲] [▲]

Press the left [▲] key to select BAUD.

Current baud: 19200
1200 2400 9600
[▲] [▲] [▲]

Select the correct baud rate, press [CLEAR] to accept the default of 19200. Press the [▲] key below your choice and press [CLEAR] or press the [#] key to see other options.

RS232 setup
Baud Parity
[▲] [▲] [▲]

Press the right [▲] key to select PARITY.

DOWNLOAD PROCEDURES

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Current parity: None Even None Odd [▲] [▲] [▲]</div>	Select the correct parity (default is None). Press the [▲] key below your choice and press [CLEAR] three times.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Download Set port [▲] [▲] [▲]</div>	Press the left [▲] key to select DOWNLOAD.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Appl. ID. L3FRET1 [▲] [▲] [▲]</div>	Key in the application ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Terminal ID. [▲] [▲] [▲]</div>	Key in the terminal ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Direct Download Full Partial [▲] [▲] [▲]</div>	Select the type of download. Press the left [▲] for a “full” download or press the right [▲] for a “partial” download.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">WAITING ON ENQ... [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">*----- L3FRET1 XXXXX [▲] [▲] [▲]</div>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">CLEAR to resume Time Load Setup [▲] [▲] [▲]</div>	Press [CLEAR] to allow the program to finish loading.

Direct PC-to-POS Download (Shortcut)

To perform a direct PC-to-POS Download using the terminal's default settings, follow the steps below. The shortcut method can only be performed when an application has been pre-downloaded into the terminal. A serial cable with a DB-9 female to the PC male connector and 8-pin DIN male connector to the terminal's RS-232C port, such as VeriFone cable part #00446-04 REV. E, is required.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">READY XXX JAN-03-00 MON 12:00P [▲] [▲] [▲]</div>	Press [ENTER].

DOWNLOAD PROCEDURES

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">FUNCTION _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [BACKSPACE].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter password:</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password and press [ENTER]. The password may be obtained through the bank/ISO or FDRMS Help Desk.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Appl. ID. L3FRET1</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to accept the current application ID or type in the new application ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Enter Terminal ID.</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to accept the current terminal ID or type in the new terminal ID and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">Direct Download Full Partial</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Select the type of download. Press the left [▲] key for a “full” download or press the right [▲] key for a “partial” download.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">WAITING ON ENQ...</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">* - - - - - L3FRET1 XXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Please wait...
<div style="border: 1px solid black; padding: 5px; width: fit-content;">CLEAR to resume Time Load Setup</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [CLEAR] to allow the program to finish loading.

POS-to-POS (Master/Slave) Download

The POS-to-POS download transfers all application code, data, date, time and transaction data from the master terminal to the slave terminal. Therefore, it is important to ensure the integrity of the master device. This includes ensuring that: (a) there are no transactions in the master, (b) all parameters are the default settings, (c) the date/time and hardware settings are correct. To perform a POS-to-POS download connect one end of a standard VeriFone 8-pin DIN back-to-back download cable (p/n 00490-00 REV C) to the master terminal's RS232 port and the opposite end to the RS232 port of the slave terminal. Follow the steps below to setup the master and slave terminals for a POS-to-POS download.

DOWNLOAD PROCEDURES

Master Display	Master Action	Slave Display	Slave Action
READY XXX JAN-03-00 MON 12:00P [▲] [▲] [▲]	Press [*] [6].	App. not available Time Load Setup [▲] [▲] [▲]	Press [#] [6].
BEGIN POS SEND MODE? YES NO [▲] [▲] [▲]	Press the left [▲] key.	Enter Password [▲] [▲] [▲]	If prompted, key in the password and Press [ENTER]. The password may be obtained through the bank/ISO or FDRMS Help Desk.
SEND IN PROGRESS [▲] [▲] [▲]	Please wait...	BEGIN POS RCV MODE? YES NO [▲] [▲] [▲]	Press the left [▲] key.
<i>Terminal displays various screens</i>		RECEIVE IN PROGRESS [▲] [▲] [▲]	Please wait...
SEND COMPLETE [▲] [▲] [▲]	Please wait...	RECEIVE COMPLETE [▲] [▲] [▲]	Please wait...

Press [CLEAR] twice to reboot the terminal.

DOWNLOAD PARAMETERS

DOWNLOAD PARAMETERS

Download parameters are used for programming or updating a terminal's profile. These parameters may be added or modified through the standard Zontalk Edit Procedures. As mentioned in the previous section, downloads may be performed by three methods: remotely via modem, computer-to-terminal via the RS232 port, or terminal-to-terminal via the RS232 serial port. The following list contains the available parameters (sometimes referred to as memory locations) for the L3FRET1 retail application. The table is organized into five columns, containing the memory locations, data field type, maximum length, description of the parameter's contents and default settings.

Field Type Codes

N = numeric

Q = question, Y or N

P = phone number field (0-9, A-Z, -, *, #, semicolon, comma, and space)

X = alphanumeric

B = binary (0 = no, 1=yes)

Memory Locations

Parameter	Field Type	Field Length	Description of Field	Default Value
#ACLSE	Q	1	Enable Auto Close: Y or N	Y
#ACTME	N	4	Auto Close Time HHMM (24 hour format)	0130
#AR01	X	30	Account Range #01 (See next section for details of the account range string convention)	540500.540599.16.00.00.00.0010
#AR02	X	30	Account Range #02	555000.556999.16.00.00.00.0010
#AR03	X	30	Account Range #03	500000.599999.16.00.00.00.1000
#AR04	X	30	Account Range #04	405501.405504.13.16.00.01.0010
#AR05	X	30	Account Range #05	405550.405554.13.16.00.01.0010
#AR06	X	30	Account Range #06	415928.415928.13.16.00.01.0010
#AR07	X	30	Account Range #07	424604.424605.13.16.00.01.0010
#AR08	X	30	Account Range #08	427533.427533.13.16.00.01.0010
#AR09	X	30	Account Range #09	428800.428899.13.16.00.01.0010
#AR10	X	30	Account Range #10	443085.443085.13.16.00.01.0010
#AR11	X	30	Account Range #11	448400.448459.13.16.00.01.0010
#AR12	X	30	Account Range #12	448460.448699.13.16.00.01.0010

DOWNLOAD PARAMETERS

Parameter	Field Type	Field Length	Description of Field	Default Value
#AR13	X	30	Account Range #13	471500.471699.13.16. 00.01.0010
#AR14	X	30	Account Range #14	400000.499999.13.16. 00.01.0000
#AR15	X	30	Account Range #15	340000.349999.15.00. 00.02.0000
#AR16	X	30	Account Range #16	370000.379999.15.00. 00.02.0000
#AR17	X	30	Account Range #17	601100.601199.16.00. 00.03.0000
#AR18	X	30	Account Range #18	300000.389999.15.00. 00.04.0000
#AR19	X	30	Account Range #19	352800.358999.16.00. 00.05.0000
#AR20	X	30	Account Range #20	000001.099999.13.00. 00.06.1111
#AR21	X	30	Account Range #21	000000.000000.00.00. 00.00.0000
#AR22	X	30	Account Range #22	000000.000000.00.00. 00.00.0000
#AR23	X	30	Account Range #23	000000.000000.00.00. 00.00.0000
#AR24	X	30	Account Range #24	000000.000000.00.00. 00.00.0000
#ARPT	Q	1	Auto Report at Batch Close: Y or N (Prints Summary Report automatically)	N
#AXOPT	Q	1	Amex Split Dial Y or N	N
#AXPPN	P	20	Amex Primary Phone Number: The standard primary dial number is 9501411	N/A
#AXSPN	P	20	Amex Secondary Phone Number: The standard secondary dial number is 18002281082	N/A
#AXTID	X	12	Amex Split Dial Terminal ID: The required format for FDR applications is "F1nnnnnnnnnn" where the "n's" represent the merchant's SE number.	N/A
#BMAX	N	3	Max. Number of Items in Batch (500 is the maximum for FDR host)	500
#CBMAX	N	5	Maximum Amount for Debit Cashback Decimal entry is disabled and implied. (i.e., following the "\$\$\$c" format, entry of 100 is \$1.00; entry of 20000 is \$200.00.)	00000
#CBMIN	N	5	Minimum Amount for Debit Cashback Decimal entry is disabled and implied. (i.e., following the "\$\$\$c" format, entry of 100 is \$1.00; entry of 20000 is \$200.00.)	00000
#CKMID	X	11	Check Guarantee Merchant ID	N/A

DOWNLOAD PARAMETERS

Parameter	Field Type	Field Length	Description of Field	Default Value
#CKPNP	P	20	Check Guarantee Primary Phone Number	N/A
#CKPNS	P	20	Check Guarantee Secondary Phone Number	N/A
#CKSVC	N	1	Check Service: 0 = CSI, 1 = Equifax, 2 = Telecheck, 3 = Rocky Mtn Rtl Svc (RMRS)	2
#CLOCK	Q	1	12 Hour Format Flag: Y or N	Y
#CODE	X	4-10	Unique Seed Value for Download Password <i>If a value of less than four characters is entered and saved, NO download password will be set.</i>	N/A
#CSWD	X	8	Card Swipe Default: SALE, AUTH or TICKET	SALE
#DCBSC	N	5	Surcharge—Debit Cashback (e.g., 50 = .50¢ / 1000 = \$10.00) max \$999.99	00000
#DEBCB	Q	1	Ask for Cashback for Debit: Y or N	N
#DEVID	X	4	Device ID	N/A
#DM	Q	1	Enable Direct Marketing Prompts Y or N (This feature enables AVS Street and Zip Code prompts, order number prompt, and sends the phone order indicator; this serves as an override for all card types)	N
#DOPT1	X	20	Custom Optional Field 1 Prompt	N/A
#DOPT2	X	20	Custom Optional Field 2 Prompt	N/A
#DPOSC	N	5	Surcharge—Debit Purchase Only (e.g., 50 = .50¢ / 1000 = \$10.00) max \$999.99	00000
#DRCRE	Q	1	Disable Returns on Credit Card Transactions: Y or N	N
#DRDEB	Q	1	Disable Returns on Debit Card Transactions: Y or N	N
#DSOPT	Q	1	Discover Split Dial Y or N	N
#DSPPN	P	20	Discover Primary Phone Number The standard primary dial number is: 9501754	
#DSSPN	P	20	Discover Secondary Phone Number The standard secondary dial number is: 18004282884	
#DSTID	X	21	Discover Split Dial Terminal TID (This must be obtained directly from Discover/NOVUS.)	
#DWKEY	X	16	Debit working key	N/A
#EQMAP	N	1	Equifax prompt options 0 – DL & Ck # 1 – DL 2 – FULL MICR 3 – FULL MICR & DL	0 Default

DOWNLOAD PARAMETERS

Parameter	Field Type	Field Length	Description of Field	Default Value
#FLEX1	X	40	Receipt flex prompt line 1 (below signature line)	I AGREE TO PAY ABOVE AMOUNT ACCORDING
#FLEX2	X	40	Receipt flex prompt line 2 (below signature line)	TO CARD ISSUER AGREEMENT
#FLEX3	X	40	Receipt flex prompt line 3 (below signature line)	(MERCHANT AGREEMENT IF RETURN)
#H1	X	40	Header line 1	N/A
#H2	X	40	Header line 2	N/A
#H3	X	40	Header line 3	N/A
#H4	X	40	Header line 4	N/A
#H5	X	40	Header line 5	N/A
#H6	X	40	Header line 6	THANK YOU
#IDLE1	X	20	Custom Idle Prompt for display line 1; this parameter overrides the "READY XXX" default display.	N/A
#IDLE2	X	20	Custom Idle Prompt for display line 2; this parameter overrides the date/time prompt; pressing [CLEAR] will allow the user to toggle between the custom line 2 display and the date/time.	N/A
#IDRC	Q	1	Print Item Detail Report at Close: Y or N	N
#INV	Q	1	Invoice number enable flag: Y or N (When enabled, this flag serves as an override for all card types to the invoice number option within the account range options)	N
#KBCLK	Q	1	Keyboard beep: Y or N	Y
#KBOU	N	2	Keyboard time out: 0 to 60 seconds (0 = must press CLEAR to return to the idle prompt; 1 - 60 = terminal automatically returns to the idle prompt after the set number of seconds)	00
#KEYED	Q	1	Disable manual entry of card: Y or N	N
#L4DIG	Q	1	Last four digit entry flag: Y or N	Y
#MIDC	N	16	Merchant ID	022009001234566
#MKEY	N	1	Location of Master key for PIN pad	1
#OPID	Q	1	Operator ID enable flag: Y or N (max length: four alphanumeric characters)	N
#PABX	P	12	Prefix required for dialing	N/A
#PAVS	Q	1	Enable AVS: Y or N - When enabled, this flag serves as an override for all card types to the AVS option within the account range options. It activates prompts for street address and Zip Code only.	N

DOWNLOAD PARAMETERS

Parameter	Field Type	Field Length	Description of Field	Default Value
#PCARD	Q	1	Enable Purchasing Card prompts — When enabled, this flag serves as an override for all card types to the Purchasing Card option. It activates Level 2 Purchasing Card prompts: a) Tax and b) Customer Code c) Purchase ID (Visa only)	N
#PCPNC	P	20	Host Primary Close phone number (If using a SprintNet telephone number, key in the letter “N” {[ALPHA] [+]} following the number, e.g., XXXXXXXN).	9501324
#PDIAL	Q	1	Predial: Y or N	Y
#PDT	X	1	Tone = T Pulse = P	T
#POPT1	Q	1	Enable optional field 1: Y or N	N
#POPT2	Q	1	Enable optional field 2: Y or N	N
#PP201	Q	1	PIN Pad 201 Y or N	N
#PPNC	P	20	Host Primary phone number (If using a SprintNet telephone number, key in the letter “N” {[ALPHA] [+]} following the number, e.g., XXXXXXXN).	9501324
#PREPR	Q	1	Pre-print receipt: Y or N	Y
#PRLF	N	1	Printer line feeds	7
#PRREC	Q	1	Printer enable flag: Y or N	Y
#PSUFF	P	12	Dial suffix, if required for dialing	N/A
#PSWD0	X	6	Manager password	123123
#PSWD1	B	24	Bit map for password protected transactions and functions. 1 for protect, 0 for off (Refer to the Password Protect Setting table describing this map.)	00000000100100001000
#PTAX	Q	1	Sales Tax prompt (separate from Purchasing Card)	N
#RETRY	N	2	Number of retries to call Host	3
#RMMAP	N	1	Check Service prompts 1 = MICR 2 = MICR and ID 3 = ID only	3
#SACCT	Q	1	Show swiped account number on display: Y or N	N
#SCPNC	P	20	Host Secondary Close phone number (If using a SprintNet telephone number, key in the letter “N” {[ALPHA] [+]} following the number, e.g., XXXXXXXN).	18002289074
#SPNC	P	20	Host Secondary phone number (If using a SprintNet telephone number, key in the letter “N” {[ALPHA] [+]} following the number, e.g., XXXXXXXN).	18002289074
#T1	X	40	Receipt trailer line 1 (below flex lines)	N/A
#T2	X	40	Receipt trailer line 2 (below flex lines)	N/A
#TAAC	Q	1	Ask for total dollar amount at Close: Y or N	N

DOWNLOAD PARAMETERS

Parameter	Field Type	Field Length	Description of Field	Default Value
#TCMAP	B	13	Telecheck prompt options bit map 1=ON, 0=OFF (refer to the Telecheck Check Service Prompt Options table.)	1110101000001

Account Range String Description

The L3FRET1 application supports a maximum of 24 account range settings. The available field names range from #AR01 to #AR24. Each field permits the flexibility required for the provider/user to establish low and high account ranges, account number lengths, card type codes and various account level options.

The table below describes each segment of the account range parameter (#AR nn) string.

Example: 000001.099999.00.00.00.00.0000

Segment	Description
000001	Six-digit Low Account Range
.	Separator
099999	Six-digit High Account Range
.	Separator
00	Account number length
.	Separator
00	Account number length
.	Separator
00	Account number length
.	Separator
00	Card type code
.	Separator
0	AVS option
0	Direct Marketing w/AVS option
0	Purchasing Card option
0	Invoice number option

Password Protect Settings

The password field name for the manager's password is #PSWD0. The field name #PSWD1 is used to enable a password prompt for the transactions and functions as noted in the table below.

#PSWRD1: 00000000000000000000 (Where 0=NO 1=YES) the 21 positions correspond to the following 21 transactions or functions:

Position	Password Protects
1	Sale
2	ATM/Debit
3	Check
4	Void
5	Return
6	Review

DOWNLOAD PARAMETERS

Position	Password Protects
7	Close (except on Auto Settle)
8	Auth Only
9	Ticket Only
10	Manual Clear Batch
11	POS to POS Transfer
12	Technical Specification Printout
13	Demonstration Mode ON/OFF
14	Printer ON/OFF
15	Dial Prefix Entry
16	Dial Suffix Entry
17	View Merchant Information
18	Change Batch Number
19	View Last 3 Host Responses
20	View Last 3 Batches
21	Deposit Inquiry/Batch Update

Telecheck Check Service

The following Zontalk parameters (memory locations) are used when establishing Telecheck using the LinkPoint 3000 L3FRET1 Retail/AVS application:

- #CKSVC — Check Service Type: Telecheck is “2”
- #CKPNP — Check Guarantee Primary Phone Number: Default is 950-5666
- #CKPNS — Check Guarantee Secondary Phone Number: Default is 1-800-366-8950
- #CKMID — Check Guarantee Merchant ID: No Default
- #TCMAP — Telecheck Prompt Options (SEE BELOW)

Telecheck Check Service Prompt Options

#TCMAP: 1110001000001 (Where 0=NO and 1=YES) the 13 positions correspond to the following 13 Telecheck prompts and options, and are activated when the #CKSVC field is filled with “2 (Telecheck Service):”

Position	Prompt
1	Amount of Sale
2	Driver's License #
3	State Code
4	MICR # prompt (Manual Entry)
5	Check #
6	Check type
7	Date of Birth
8	Driver's License Expiration Date
9	Driver's License Zip Code
10	Cashback Amount
11	Home Phone #
12	Business Phone #
13	Swiped MICR

Equifax Check Service Information

The following Zontalk parameters (memory locations) are used when establishing the Equifax check service using the LP3000 L3FRET1 Retail/AVS application:

- #CKSVC — Check Service type: Equifax is “1”
- #CKPNP — Check Guarantee Primary Phone Number: Default is 1-800-628-5637
- #CKPNS — Check Guarantee Secondary Phone Number: Default is 1-800-237-2626
- #CKMID — Check Guarantee Merchant ID: No default — as supplied by Equifax

The Zontalk parameter #EQMAP allows selection of one of the following four Equifax set up options:

0	Drivers License and Check Number (Default)
1	Drivers License only
2	Full MICR
3	Full MICR and Drivers License

Rocky Mountain Retail Services (RMRS)

The following Zontalk parameters (memory locations) are used when establishing the RMRS check service using the LinkPoint 3000 L3FRET1 Retail/AVS application:

- #CKSVC — Check Service type: RMRS is “3”
- #CKPNP — Check Guarantee Primary Phone Number: Default will be supplied by RMRS
- #CKPNS — Check Guarantee Secondary Phone Number: Default will be supplied by RMRS
- #CKMID — Check Guarantee Merchant ID: No default — as supplied by RMRS

Note: Each bank/ISO that wishes to process checks through Rocky Mountain Retail Services must contact the company directly to receive this information.

The Zontalk parameter #RMMAP allows selection of one of the following three RMRS set up options:

1	MICR
2	MICR & ID
3	ID ONLY (Default)

SprintNet

In addition to the existing 800 and 950 access phone numbers, the L3FRET1 application also accommodates the use of SprintNet local access numbers. When using SprintNet phone numbers, the required login code “N” ([ALPHA] [÷]) must also be programmed into the phone number fields directly after the phone number itself. The “N” code must not be placed into the dial prefix or suffix fields. This affects the following parameters:

- PCPNC — Host Primary Close Phone Number (e.g., 9501324N)
- PPNPNC — Host Primary Phone Number (e.g., 9501324N)
- SCPNC — Host Secondary Close Phone Number (e.g., 18002289074N)
- SPNC — Host Secondary Phone Number (e.g., 18002289074N)

DOWNLOAD PARAMETERS

Split Dial Authorization Option for American Express and Discover Cards

The L3FRET1 application includes an option to permit merchants to obtain authorizations for American Express and Discover cards through those respective hosts directly.

When the split-dial feature is enabled and authorizations are received for American Express or Discover cards, the sale receipts will reflect the authorization codes transmitted to the terminal by those hosts (not from the FDR host). The LinkPoint 3000 will then capture a ticket only transaction for deposit during batch closure. The FDR host will then transmit the electronically captured items to the respective hosts. American Express and Discover are then normally responsible for merchant payment. Merchants should contact their respective sales representative or service provider for further details regarding participation in this program.

- AXOPT — Amex Split Dial Y or N
- AXPPN — Amex Secondary Phone Number
- AXTID — Amex Split Dial Terminal ID (The required format for FDR applications is: “F1nnnnnnnnnn” where the “n’s” represent the merchant’s SE number.)

- DSOPT — Discover Split Dial Y or N
- DSPPN — Discover Primary Phone Number
- DSTID — Discover Split Dial Terminal ID (This must be obtained directly from Discover/NOVUS.)

DIAL STRING CODES**DIAL STRING CODES SPECIFIC TO LP3000**

The following table contains a list of codes and their uses for special telephone dialing circumstances. These can be keyed directly into the locations reserved for entering telephone numbers, dial prefixes and suffixes.

CODE	DESCRIPTION	ENTRY POSITION
-	Hyphen: One (1) second pause	Where the pause is required
,	Comma: Two (2) second pause	Where the pause is required
Y	Additional dial tone required	Where the dial tone is required
L	Location in dial string to open the dial tone listen window	The point at which the terminal needs to check for tone
M	Indicates the presence of multiple terminals using same phone; must be in dial string of each terminal	Anywhere in dial string
P	Used only when the 'M' code is supplied and there is a dial prefix. When this code is present, the "listening" of sound energy between tone digits is suppressed until the position of the 'P' code is reached. This code is used in the multi-terminal same-line setup where a second dial tone is produced after a dial prefix. If the 'P' code is not used, then the second dial tone will supply enough energy even though it may appear as if a different terminal is dialing.	Where the "listening" is to be enabled
S	A '.2' second pause	Where the pause is required
T	Listens for energy between dialing each digit. This is only used with the 'M' code.	Anywhere in dial string
U	If this character is NOT supplied anywhere in the dial string, then a line status test of 'line busy' will cause a return code of '6' to the application, and a "no-dial-tone" condition will return a '7' to the application. If the 'U' code is supplied in the dial string, then both "line busy" and "no-dial-tone" conditions will return a '6' to the application, and '7' will never be returned to the application.	Anywhere in dial string
V	Suppresses LINE STATUS TEST	Anywhere in dial string
W	Skips dial tone requirement	Anywhere in dial string
X	Slow dial speed: 100 milliseconds on/off	Anywhere in dial string

BASIC OPERATION

BASIC OPERATION

Transaction Keys

The LinkPoint 3000 has ten (10) transaction keys. Seven of these keys are located directly below the terminal display and are labeled [VOID], [SALE], [ATM/DEBIT], [CHECK], [REVIEW], [CLOSE] and [RETURN]. The other three transaction keys are located to the right of the numbered keys, the [+/-] (PRINT) key, [x] (AUTH ONLY) key and the [-] (OFFLINE) key. These ten keys are used to perform the various dedicated standard retail transactions. Transactions can be initiated any time the terminal is in the idle state (i.e., displays the READY message).

1. Check the display for the READY message. If it is not displayed, press [CLEAR] to cancel the current operation and display the READY message.
2. Press the desired transaction key to begin the transaction.
3. Follow the instructions given by the prompts on the display panel to complete the transaction.
4. Press [CLEAR] to return to the READY message when the transaction is completed (the terminal is programmed to return to idle in one minute).

Using The Cardreader

1. Check the display for the READY message. If it is not displayed, wait until the current operation has ended and then press [CLEAR] to return to the READY message.
2. Initiate the correct transaction type (i.e., press [SALE] to initiate a sale).
3. Insert the credit or debit card into the rear of the cardreader slot with the magnetic stripe facing down and away from the keypad (see Figure 7 on page 9).
4. Slide the card through the slot without stopping. If the terminal beeps, check the position of the magnetic stripe and slide the card through the slot again. If the beep persists, the card may be damaged. Type the account number directly on the keypad.
5. Complete the transaction by following the display messages.

The Calculator

The LinkPoint 3000 includes a built-in calculator capable of performing simple arithmetic calculations. To access the calculator, from the idle prompt (READY message) press the desired numeral and associated math symbols and press [ENTER] to obtain the result. For example, to calculate the result of the sum of two plus two, press [2] [+] [2] [ENTER] and the terminal will display the sum, in this case "4." For a decimal point, please press the [*] key.

LOCAL FUNCTIONS

ENTER 40: View Last Three Responses From Host

To view the host responses (approved, declined, etc.) from the most recent three transaction attempts, follow the procedures below.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">FUNCTION</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in [4][0] and press [ENTER] to view the most recent response from the host.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">HOST RESPONSE 1: Approved XXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to view the second most recent response from the host.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">HOST RESPONSE 2: Approved XXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to view the third most recent response from the host.
<div style="border: 1px solid black; padding: 5px; width: fit-content;">HOST RESPONSE 3: Approved XXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER] to again view the most recent response or press [CLEAR] to escape.

ENTER 41: Printer Enable

To enable or disable the printer follow the instructions outlined below.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content;">FUNCTION</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in [4] [1] and press [ENTER].

LOCAL FUNCTIONS

Display Message

ENTER PASSWORD

[▲] [▲] [▲]
(optional)

Operator Action

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

PRINTER ENABLE?
YES NO
[▲] [▲] [▲]

Press the left [▲] key to enable the printer or press the right [▲] key to disable the printer.

CHANGE ACCEPTED
[▲] [▲] [▲]

Terminal returns to the idle prompt.

ENTER 42: Dial Prefix (PABX)

To enter, view or change the current PABX dial prefix that the terminal dials before connecting with the host.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

Operator Action

Press [ENTER].

FUNCTION

[▲] [▲] [▲]

Key in [4][2] and press [ENTER].

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

ENTER DIAL PREFIX

[▲] [▲] [▲]

Key in the necessary prefix for the terminal to dial out and press [ENTER].

CHANGE ACCEPTED
[▲] [▲] [▲]

Terminal returns to the idle prompt.

ENTER 43: Dial Suffix

To enter, view, or change any dial suffix. This would be used for situations in which a dial out password is required or when post-dial delays are necessary.

Display Message

```

READY XXX
JAN-03-00 MON 12:00P
  ▲   ▲   ▲
    
```

```

FUNCTION
  ▲   ▲   ▲
    
```

```

ENTER PASSWORD -
  ▲   ▲   ▲
    
```

```

ENTER DIAL SUFFIX
  ▲   ▲   ▲
    
```

```

CHANGE ACCEPTED
  ▲   ▲   ▲
    
```

Operator Action

Press [ENTER].

Key in [4][3] and press [ENTER].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

Key in the desired suffix for the terminal to dial and press [ENTER].

Terminal returns to the idle prompt.

ENTER 44: View Last 3 Batches

This procedure allows information about the three most recent batches to be reviewed; the displayed information includes: date, total, and number of items.

Display Message

```

READY XXX
JAN-03-00 MON 12:00P
  ▲   ▲   ▲
    
```

```

FUNCTION
  ▲   ▲   ▲
    
```

```

ENTER PASSWORD -
  ▲   ▲   ▲
  (optional)
    
```

```

# 1    $    0.00/000
01/01/00    00:00
  ▲   ▲   ▲
    
```

Operator Action

Press [ENTER].

Key in [4][4] and press [ENTER].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)

The following information will display batch number, batch total, number of items, date and time batch closed. Press [ENTER] to view additional batch information.

LOCAL FUNCTIONS

ENTER 45: Demo Mode Enable/Disable

To enable/disable the terminal's demonstration mode follow the procedures outlined below. The demo mode enables users to experiment with the different LinkPoint 3000 features without processing credit cards. To continue the demonstration after any message display, simply press [ENTER].

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">FUNCTION _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in [4][5] and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">ENTER PASSWORD _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">DEMO MODE? YES NO</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the left [▲] key to enable the demo mode or press the right [▲] key to disable the demo mode.
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">CHANGE ACCEPTED</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Terminal returns to the idle prompt.

ENTER 46: Technical Specification Printout

This terminal function will print the terminal's settings. To print the current technical specifications follow the procedures outlined below.

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">FUNCTION _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in [4][6] and press [ENTER].
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">ENTER PASSWORD _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)

Display Message

SPECS	CARD	RGS
[▲]	[▲]	[▲]

Operator Action

Press the left [▲] key to print the set up report. Press the right [▲] key for a report of account range settings.

ENTER 47: Batch Number Setting

To change the current batch number follow the procedures outlined below. This function should be used only under proper supervision.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲]

Operator Action

Press [ENTER].

FUNCTION
[▲]

Key in [4][7] and press [ENTER].

ENTER PASSWORD
[▲]

(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)

CURRENT BATCH#: 0
[▲]

This screen appears briefly before switching to the next screen.

NEW BATCH #
[▲]

Key in the new one digit batch number ([0] - [9]) and press [ENTER]. The terminal returns to the idle prompt.

ENTER 48: View Merchant ID, View or Change Device ID, Phone Numbers

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲]

Operator Action

Press [ENTER].

FUNCTION
[▲]

Key in [4][8] and press [ENTER].

LOCAL FUNCTIONS

Display Message

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

MERCHANT ID XXXXXXXXXXXXXXXX

[▲] [▲] [▲]

DEVICE ID XXXX

[▲] [▲] [▲]

PRIMARY PHONE # XXXXXXX

[▲] [▲] [▲]

SECONDARY PHONE# XXXXXXX

[▲] [▲] [▲]

PRIMARY CLOSE # XXXXXXX

[▲] [▲] [▲]

SECONDARY CLOSE # XXXXXXXXXXXX

[▲] [▲] [▲]

Operator Action

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

Press [ENTER] to continue.

Either press [ENTER] to continue to the next prompt or change the current ID by keying-in a new 1-4 digit ID and pressing [ENTER].

Note: This cannot be changed unless the batch is empty.

Either press [ENTER] to continue to the next prompt or change the current phone number by keying-in the new host phone number and pressing [ENTER]. This can be changed even with an open batch.

Either press [ENTER] to go to the next prompt or change this by keying-in the new host phone number and pressing [ENTER]. This field may be changed even with an open batch.

Either press [ENTER] to go to the next prompt or change this by keying-in the new host phone number and pressing [ENTER]. This field may be changed even with an open batch.

Either press [ENTER] to go to the next prompt or change this by keying-in the new host phone number and pressing [ENTER]. This field may be changed even with an open batch. Press [CLEAR] to return to the idle prompt.

ENTER 49: Clear Batch

To clear the current batch follow the procedures outlined below.

Display Message

READY XXX JAN-03-00 MON 12:00P

[▲] [▲] [▲]

FUNCTION

[▲] [▲] [▲]

Operator Action

Press [ENTER].

Key in [4][9] and press [ENTER].

Display Message

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

Operator Action

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)

PRESS ENTER TO
CLEAR BATCH
[▲] [▲] [▲]

Press [ENTER] to clear the batch.

BATCH CLEARED
[▲] [▲] [▲]

Press [CLEAR] to return to the idle prompt.

ENTER 50: Deposit Inquiry

To view the last host-processed batch, follow the procedures below.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

Operator Action

Press [ENTER].

FUNCTION
[▲] [▲] [▲]

Key in [5][0] and press [ENTER].

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

DEP INQ UPDATE
| |
[▲] [▲] [▲]

Press the arrow key under DEP INQ to do a deposit inquiry.

DEPOSIT INQUIRY
DIALING...
[▲] [▲] [▲]

The terminal dials out.

DEPOST INQUIRY
CONNECTED!
[▲] [▲] [▲]

Please wait—the terminal is communicating with the host.

LOCAL FUNCTIONS

Display Message

```
DEPOSIT INQUIRY
TRANSMITTING...
```

[▲] [▲] [▲]

```
DEPOSIT INQUIRY
RECEIVING...
```

[▲] [▲] [▲]

```
LAST DEPOSIT
DEP          .00
```

[▲] [▲] [▲]

ENTER 50: Update Host

To update the host system with offline transaction in the open batch, follow the procedures below.

Display Message

```
READY XXX
JAN-03-00 MON 12:00P
```

[▲] [▲] [▲]

```
FUNCTION
_
```

[▲] [▲] [▲]

```
DEP INQ      UPDATE
|            |
```

[▲] [▲] [▲]

```
UPDATING HOST
DIALING
```

[▲] [▲] [▲]

```
UPDATING HOST
CONNECTED!
```

[▲] [▲] [▲]

```
UPDATING HOST
TRANSMITTING...
```

[▲] [▲] [▲]

Operator Action

Please wait...

The terminal receives the response from the host.

The terminal will display the last response.

Operator Action

Press [ENTER].

Key in [5][0] and press [ENTER].

Press the right [▲] key under UPDATE to update the host.

The terminal dials the host.

Please wait—the terminal is communicating with the host.

The terminal transmits the information to the host.

Display Message

UPDATING HOST
RECEIVING...

[▲] [▲] [▲]

UPDATE COMPLETE

[▲] [▲] [▲]

Operator Action

Please wait...

Once the update is complete, press [CLEAR].

STANDARD KEY OPERATIONS

STANDARD KEY OPERATIONS

Retail transactions are transactions that all personnel can perform. These transactions include sale, debit sale, return, void, ticket only, authorization only and close batch. Standard retail credit and debit card, direct marketing and purchasing card program are supported.

The LinkPoint 3000 READY message estimates the number of transactions that can be performed before the batch is full. For example, READY 30 indicates there is space to store approximately 30 more transactions in the current batch. Overflowing the terminal with transactions can compromise data integrity.

When the memory is full, the screen displays "BATCH FULL-PLS CLOSE" and no further transactions can be stored until the batch is closed and the memory is cleared from the terminal. This is a safety feature that advises the merchant to close the batch when the batch is almost full.

The procedures for each transaction type include most optional prompts. The options are designated with the note "*optional*" directly below the displayed message. Depending on the user's needs, they may be enabled or disabled.

Split Dial Authorization Option for American Express and Discover Cards

The L3FRET1 application includes an option to permit merchants to obtain authorizations for American Express and Discover cards through those respective hosts directly.

When the split-dial feature is enabled and authorizations are received for American Express or Discover cards, the sale receipts will reflect the authorization codes transmitted to the terminal by those hosts (not from the FDR host). The LinkPoint 3000 will then capture a ticket only transaction for deposit during batch closure. The FDR host will then transmit the electronically captured items to the respective hosts. American Express and Discover are then normally responsible for merchant payment. Merchants should contact their respective sales representative or service provider for further details regarding participation in this program.

Key Name	Explanation
[SALE]	Obtains credit card authorization and captures the transaction for later deposit.
[ATM/DEBIT]	Obtains ATM/debit card authorization and captures the transaction for later deposit.
[RETURN]	Initiates a return/credit.
[X] (AUTH ONLY)	Used to authorize a transaction without ticket capture.
[-] (OFFLINE) TICKET ONLY	Captures a previously authorized transaction.
[VOID]	voids any captured transaction in an open batch.

STANDARD KEY OPERATIONS

Key Name	Explanation
[CHECK]	Initiates a request for a check authorization.
[REVIEW]	Used to review or print information about captured transaction details and/or totals prior to batch close.
[+] (PRINT) REPRINT	Prints a duplicate copy of a captured transaction.
[CLOSE]	Closes the terminal batch and initiates the deposit of funds.

STANDARD KEY OPERATIONS

PRE-SALE GRATUITY

This option is provided for beauty salons and other businesses that wish to offer a tip option for their customers. This feature allows the merchant to print a receipt that is separate from a credit card sales transaction. It allows the customer to discreetly include a tip amount that can be added to the final sales transaction. *This function is not a credit card transaction, so it will not be stored in your terminal memory or change the batch amount.* After the customer adds the tip and provides the final total sale amount, simply enter the amount as you would for any other sales transaction.

Display Message

READY XXX JAN-03-00 MON 12:00P [▲] [▲] [▲]
--

Operator Action

Press the left [▲] key.

PRE-SALE GRATUITY NOT A SALE [▲] [▲] [▲]
--

This message displays momentarily.

AMOUNT OF SALE? \$0.00 [▲] [▲] [▲]
--

Key in the amount of the sale and press [ENTER]. A pre-sale gratuity receipt will print. The customer will then add the tip amount and record the total amount. The cardholder will present his/her card for payment. The merchant will then process a regular sale transaction for the total including tip.

The finished receipt will look like this:

PRE-SALE GRATUITY RECEIPT RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345 PHONE: (XXX) XXX-XXXX FAX: (XXX) XXX-XXXX Merch ID: XXXXXXXXXXXXXXXXX Device ID: XXXX AMOUNT \$ 10.00 TIP \$ _____	-Transaction type -Customized header (up to six lines) -Merchant ID -Terminal ID -Purchase amount -Tip amount -Total amount
TOTAL \$ _____	
THIS IS NOT A CREDIT CARD RECEIPT!	

STANDARD KEY OPERATIONS

SALE

A sale is a monetary transaction that transfers funds from a cardholder's credit line to the merchant's bank account. This transaction is the normal procedure used to authorize and capture a credit card sale for later deposit.

Retail Credit Card Sale — Swipe

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Slide the card through the cardreader.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER LAST 4 DIGITS _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the last four digits of the account number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">XXXXXXXXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	The swiped card number displays for approximately two seconds.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale without the decimal, then press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">INVOICE NUMBER? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<p style="text-align: center;"><i>Terminal displays several messages</i></p>	Please wait — the terminal is communicating with the host computer.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AUTH/TKT XXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	When the transaction is approved, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Credit Card Sale — Manual Entry

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the key labeled [SALE].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">SALE: ENTER ACCOUNT #</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the cardholder's account number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">EXPIRY DATE? (MMYY) MM/YY</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">PHONE ORDER? YES NO</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.
<div style="border: 1px solid black; padding: 5px; text-align: center;">IMPRINT REQUIRED... IF CARD IS PRESENT!</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	If a card is present, make an imprint of the card with a manual imprinter.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale without the decimal and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">INVOICE NUMBER? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<p style="text-align: center;"><i>Terminal displays several messages</i></p>	Please wait — the terminal is communicating with the host computer.

STANDARD KEY OPERATIONS

The Address Verification Service (AVS) provides the direct marketing merchant with one measure of security by verifying that the account number presented actually belongs to the individual who is placing the order.

Display Message

READY XXX JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
<i>(optional)</i>

SALE: ENTER ACCOUNT #
[▲] [▲] [▲]

EXPIRY DATE? MM/YY
[▲] [▲] [▲]

PHONE ORDER? YES NO
[▲] [▲] [▲]

IMPRINT REQUIRED... IF CARD IS PRESENT!
[▲] [▲] [▲]

OPERATOR ID? _
[▲] [▲] [▲]
<i>(optional)</i>

AMOUNT OF SALE? \$0.00
[▲] [▲] [▲]

ORDER NUMBER
[▲] [▲] [▲]

Operator Action

Press the key labeled [SALE].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

Key in the cardholder's account number and press [ENTER].

Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].

Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.

If a card is present, make an imprint of the card with a manual imprinter.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the sale without the decimal and press [ENTER].

Key in order number (up to 25 alphanumeric characters) press [ENTER].

Display Message

Operator Action

STANDARD KEY OPERATIONS

AVS ADDRESS
[▲] [▲] [▲]

Key in the customer's numeric address (up to five digits) and press [ENTER]. For example, to enter the address "123 Main St. #4," key in "1234."

AVS ZIP CODE?
[▲] [▲] [▲]

Key in the customer's five- or nine-digit Zip Code and press [ENTER].

INVOICE NUMBER?
[▲] [▲] [▲]
<i>(optional)</i>

Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Terminal displays several messages

Please wait — the terminal is communicating with the host computer.

AUTH/TKT XXXXXX Y
[▲] [▲] [▲]

When the transaction is approved, the terminal displays the authorization and AVS codes and the printer (if available) prints a receipt of the transaction. Press [CLEAR] to return to the idle prompt.

Address Verification Service (AVS) Response Code Definitions			
A	Address Match Only	U	Address Information Not Available
E	Not eligible for AVS	W	9-digit Zip Code OK
N	No Match	X	Exact Match
R	Retry, System Unavailable	Y	Exact Match
S	Service Not Supported	Z	5-digit Zip Code OK

STANDARD KEY OPERATIONS

Sale: Purchasing Card — Card Swipe

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Slide the card through the cardreader.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER LAST 4 DIGITS _ _ _ _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the last four digits of the account number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">XXXXXXXXXXXX</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	The swiped card number displays for approximately two seconds.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _ _ _ _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale without the decimal, then press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">TAX AMOUNT? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.
<div style="border: 1px solid black; padding: 5px; text-align: center;">CUSTOMER CODE _ _ _ _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press ENTER. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.
<div style="border: 1px solid black; padding: 5px; text-align: center;">PURCHASE ID _ _ _ _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the purchase ID (up to 25 alphanumeric characters). This will be an invoice number or order number. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS ONLY.
<div style="border: 1px solid black; padding: 5px; text-align: center;">INVOICE NUMBER? _ _ _ _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

STANDARD KEY OPERATIONS

Terminal displays several messages

Display Message

AUTH/TKT XXXXXX

[▲] [▲] [▲]

Please wait — the terminal is communicating with the host computer.

Operator Action

When the transaction is approved, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Sale: Purchasing Card — Manual Entry

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the key labeled [SALE].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">SALE: ENTER ACCOUNT #</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the cardholder's account number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">EXPIRY DATE? (MMYY) MM/YY</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">PHONE ORDER? YES NO</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.
<div style="border: 1px solid black; padding: 5px; text-align: center;">IMPRINT REQUIRED... IF CARD IS PRESENT!</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	If a card is present, make an imprint of the card with a manual imprinter.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale without the decimal and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">TAX AMOUNT? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.
<div style="border: 1px solid black; padding: 5px; text-align: center;">CUSTOMER CODE _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press ENTER. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS.

STANDARD KEY OPERATIONS

The finished purchasing card sale receipt will look like this:

SALE RECEIPT

RETAIL STORE
CROSSROADS MEGA-MALL
123 MAIN STREET
ANYWHERE, USA 12345
PHONE: (XXX) XXX-XXXX
FAX: (XXX) XXX-XXXX

Merch ID: XXXXXXXXXXXXXXXX
Terminal ID: XXXX

Item:001 VISA PURCH CARD SALE / KEYED
Acct: XXXXXXXXXXXXXXXX EXP: 12/00
JOHN DOE
Invoice XXXXXXXX OP ID: XXXX
CUSTOMER CODE: XXXXXXXXXXXXXXXX
PURCHASE ID: XXXXXXXXXXXXXXXX

AMOUNT	\$ 120.00
TAX	\$ 9.00
	=====
TOTAL	\$ 129.00

X _____
JOHN DOE (Signature)

I AGREE TO PAY THE ABOVE AMOUNT ACCORDING
TO CARD ISSUER AGREEMENT
(MERCHANT AGREEMENT IF RETURN)

THANK YOU FOR SHOPPING HERE!
COME AGAIN!

Date: 01/04/00 Day: Mon Time: 12:00P
Response: AUTH/TKT XXXXXX

TOP COPY-MERCHANT BOTTOM COPY-CUSTOMER

- Transaction type specification
- Customized header (up to six lines)
- Merchant ID
- Terminal ID
- Item number, card and trans. type, entry method
- Card number, expiration date
- Cardholder name (if magnetic stripe read)
- Invoice number; operator ID (optional)
- Customer code (up to 17 characters)
- Purchase ID (up to 25 characters)
- Amount (before tax)
- Sales tax amount
- Total purchase amount (with tax)
- Cardholder's signature
- Cardholder's name (prints if card is swiped)
- Customized cardholder agreement
- Custom message
- Date, day, and time of transaction
- Response from host

STANDARD KEY OPERATIONS

ATM/DEBIT CARD SALE

An ATM/debit sale is a monetary function that transfers funds from the cardholder's ATM/debit account to the merchant's bank account.

Card swipe via terminal (with a PINpad 101/1000)

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the key labeled [ATM/DEBIT].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale without the decimal and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">CASH BACK? YES NO</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Press the left [▲] key, if the cardholder wants cash back, or press the right [▲] key, if the cardholder does not want cash back.
<div style="border: 1px solid black; padding: 5px; text-align: center;">CASH BACK AMOUNT? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If YES was selected, enter the amount of cash to be given back to the cardholder and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">SWIPE CARD</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Advises for the card to be swiped on the terminal.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">WAITING FOR PIN</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	No operator action required as the terminal displays this message.

PINpad 101/1000 Display

TOTAL \$0.00

ENTER PIN

PUSH [^]ENTER^v

Display Message

INVOICE NUMBER?
_

[▲] [▲] [▲]
(optional)

Terminal displays several messages

AUTH/TKT XXXXXX

[▲] [▲] [▲]

Card swipe via the PIN pad (PINpad 201/2000)

Display Message

READY XXX
JAN-03-00 MON 12:00P

[▲] [▲] [▲]

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

AMOUNT OF SALE?
\$0.00

[▲] [▲] [▲]

Cardholder Instructions

No operator action required as the PIN pad scrolls the three display messages to the left. The first message being the total amount of the sale.

The customer should then enter his/her PIN number on the PIN pad.

Completing the instructions on the PIN pad, the customer should press [ENTER].

Operator Action

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

Please wait — the terminal is communicating with the host computer.

When the transaction is approved, the printer prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

Operator Action

Press the key labeled [ATM/DEBIT].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Key in the amount of the sale without the decimal and press [ENTER].

STANDARD KEY OPERATIONS

Display Message

CASH BACK?		
YES		NO
[▲]	[▲]	[▲]
<i>(optional)</i>		

CASH BACK AMOUNT?		
		\$0.00
[▲]	[▲]	[▲]
<i>(optional)</i>		

OPERATOR ID?		
		_
[▲]	[▲]	[▲]

Customer swipes card		
		_
[▲]	[▲]	[▲]

PINpad 201 or 2000 Display

SWIPE CARD

PROCESSING

PIN PAD

TOTAL \$0.00

ENTER PIN, PUSH #

PROCESSING

THANK YOU

Terminal Display

INVOICE NUMBER?		
		_
[▲]	[▲]	[▲]
<i>(optional)</i>		

Terminal displays several messages

Operator Action

Press the left [▲] key, if the cardholder wants cash back, or press the right [▲] key, if the cardholder does not want cash back.

If YES was selected, enter the amount of cash to be given back to the cardholder and press [ENTER].

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Instruct the customer to swipe his/her ATM/debit card through the PIN pad.

Cardholder Instructions

Customer swipes card through the card reader of the PIN pad device.

No action necessary as these display messages flash.

The customer should enter his/her PIN number and push [#] as the two messages to the left alternate on the display panel of the PIN pad device.

No customer action as these messages display.

Operator Action

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

Please wait — the terminal is communicating with the host computer.

STANDARD KEY OPERATIONS

Display Message

AUTH/TKT XXXXXX

[▲] [▲] [▲]

Operator Action

When the transaction is approved, the printer prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished ATM/debit sales receipt will look like this:

<p>ATM/DEBIT SALE RECEIPT</p> <p>RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345 PHONE: (XXX) XXX-XXXX FAX: (XXX) XXX-XXXX</p> <p>Merch ID: XXXXXXXXXXXXXXXX Terminal ID: XXXX</p> <p>Item:002 ATM/DEBIT SALE Acct: XXXXXXXXXXX1234 Exp: 01/00</p> <p>Invoice XXXXXXXX OP ID: XXXX</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">AMOUNT</td> <td style="width: 10%; text-align: center;">\$</td> <td style="width: 30%; text-align: right;">120.00</td> </tr> <tr> <td>CASH BACK</td> <td style="text-align: center;">\$</td> <td style="text-align: right;">20.00</td> </tr> <tr> <td>TRANSACTION FEE</td> <td style="text-align: center;">\$</td> <td style="text-align: right;">0.00</td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;">-----</td> </tr> <tr> <td>TOTAL:</td> <td style="text-align: center;">\$</td> <td style="text-align: right;">140.00</td> </tr> </table> <p>I AGREE TO PAY THE ABOVE AMOUNT ACCORDING TO CARD ISSUER AGREEMENT (MERCHANT AGREEMENT IF RETURN)</p> <p style="text-align: center;">THANK YOU FOR SHOPPING HERE! COME AGAIN!</p> <p>Date: 01/03/00 Day: Mon Time: 12:00P Response: AUTH/TKT XXXXXX</p> <p style="text-align: center;">TOP COPY-MERCHANT BOTTOM COPY-CUSTOMER</p>	AMOUNT	\$	120.00	CASH BACK	\$	20.00	TRANSACTION FEE	\$	0.00			-----	TOTAL:	\$	140.00	<p>-Transaction type specification</p> <p>-Customized header (up to six lines)</p> <p>-Customer ID -Terminal ID</p> <p>-Item number, card and trans. type -Card number, expiration date</p> <p>-Invoice number and Operator ID (optional)</p> <p>-Purchase amount -Cash back amount (optional) -Transaction fee(optional)</p> <p>-Total sale amount.</p> <p>-Customized cardholder agreement</p> <p>-Custom message</p> <p>-Date, day, and time of transaction -Response from host</p>
AMOUNT	\$	120.00														
CASH BACK	\$	20.00														
TRANSACTION FEE	\$	0.00														

TOTAL:	\$	140.00														

RETURN

A return is a monetary transaction used to reverse a previous day's or batch's transaction and initiate a credit to the cardholder's account.

Credit Card Return — Swipe

Display Message

READY XXX JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

RETURN: CREDIT DEBIT
[▲] [▲] [▲]

RETURN: ENTER ACCOUNT #
[▲] [▲] [▲]

ENTER LAST 4 DIGITS
[▲] [▲] [▲]
(optional)

XXXXXXXXXXXX
[▲] [▲] [▲]
(optional)

OPERATOR ID?
[▲] [▲] [▲]
(optional)

AMOUNT OF SALE?
\$0.00
[▲] [▲] [▲]

Operator Action

Press the key labeled [RETURN].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

Select the left [▲] key to choose CREDIT. (This screen displays only when debit card returns are enabled.)

Slide the card through the card reader.

Key in the last four digits of the account number and press [ENTER].

Please wait a few seconds while the terminal displays the card number.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the return without the decimal, then press [ENTER].

STANDARD KEY OPERATIONS

Display Message

TAX AMOUNT?	\$0.00
-------------	--------

[▲] [▲] [▲]

(optional)

Operator Action

Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

CUSTOMER CODE

[▲] [▲] [▲]

(optional)

Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

PURCHASE ID?

[▲] [▲] [▲]

(optional)

Key in the purchase ID (up to 25 alphanumeric characters) and press [ENTER]. This may be an invoice number or order number. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS ONLY.

INVOICE NUMBER?

[▲] [▲] [▲]

(optional)

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

ACCEPTED XXX

[▲] [▲] [▲]

When the transaction is accepted, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

Credit Card Return — Manual Entry

Display Message

READY XXX
JAN-03-00 MON 12:00P

[▲] [▲] [▲]

Operator Action

Press the key labeled [RETURN].

ENTER PASSWORD -

[▲] [▲] [▲]

(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

RETURN:
CREDIT DEBIT

[▲] [▲] [▲]

Select the left [▲] key to choose CREDIT. (This screen displays only when debit card returns are enabled.)

RETURN:
ENTER ACCOUNT #

[▲] [▲] [▲]

Key in the cardholder's account number and press [ENTER].

STANDARD KEY OPERATIONS

Display Message

EXPIRY DATE? (MMYY) MM/YY
[▲] [▲] [▲]

IMPRINT REQUIRED... IF CARD IS PRESENT!
[▲] [▲] [▲]

OPERATOR ID? _
[▲] [▲] [▲]
(optional)

AMOUNT OF SALE? \$0.00
[▲] [▲] [▲]

TAX AMOUNT? \$0.00
[▲] [▲] [▲]

CUSTOMER CODE? _
[▲] [▲] [▲]
(optional)

PURCHASE ID?
[▲] [▲] [▲]
(optional)

INVOICE NUMBER? _
[▲] [▲] [▲]
(optional)

ACCEPTED XXX
[▲] [▲] [▲]

Operator Action

Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].

If a card is present, make an imprint of the card with a manual imprinter.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the return without the decimal and press ENTER].

Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

Key in the purchase ID (up to 25 alphanumeric characters) and press [ENTER]. This may be an invoice number or order number. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS ONLY.

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

When the transaction is approved, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished return receipt will look like this:

RETURN RECEIPT		
RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345 PHONE: (XXX) XXX-XXXX FAX: (XXX) XXX-XXXX		
Merch ID: XXXXXXXXXXXXXXXXX		
Device ID: XXXX		
Item:003 VISA PURCH CARD RTRN / SWIPED		
Acct: XXXXXXXXXXXXXXXX EXP: 12/00		
JOHN DOE		
Operator ID: XXXX		
Invoice XXXXXXXX		
Customer Code: XXXXXXXXXXXXXXXXX		
Purchase ID: XXXXXXXXXXXXXXXXX		
AMOUNT	\$	120.00
TAX	\$	9.00
	=====	
TOTAL	\$	129.00
X _____		
JOHN DOE (Signature)		
I AGREE TO PAY THE ABOVE AMOUNT ACCORDING TO CARD ISSUER AGREEMENT (MERCHANT AGREEMENT IF RETURN)		
THANK YOU FOR SHOPPING HERE! COME AGAIN!		
Date: 01/03/00 Day: Mon Time: 12:05P		
Response: ACCEPTED 003		
TOP COPY-MERCHANT BOTTOM COPY-CUSTOMER		

- Transaction type specification
- Customized header (up to six lines)
- Merchant ID
- Device (terminal) ID
- Item number, card, trans. type, entry method
- Card number, Expiration date
- Cardholder name (if card swiped)
- Operator ID and invoice number (optional)
- Customer Code (for purchasing card transactions)
- Purchase ID (for purchasing card transactions)
- Amount of sale
- Tax amount (required for purchasing card transactions)
- Total purchase amount
- Cardholder's signature
- Cardholder's name (if card swiped)
- Customized cardholder agreement
- Custom message
- Date, day, and time of transaction
- Response from host

ATM / DEBIT CARD RETURN

An ATM/debit return is a monetary function that transfers funds from the merchant's bank account to the cardholder's account. A PIN pad and a printer are required to process an ATM/debit card. THIS TRANSACTION IS DISABLED AS THE DEFAULT, DUE TO RESTRICTIONS PLACED BY MANY REGIONAL POS DEBIT NETWORKS.

Swipe Only (Manual entry of debit cards is not allowed.)

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the [RETURN] key.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">RETURN: CREDIT DEBIT</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Select the right [▲] key for DEBIT. (This screen displays only when debit card returns are enabled.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER OPERATOR ID</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">RETURN AMOUNT? \$0.00</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the amount of the sale <u>without</u> the decimal and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">SWIPE CARD</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Slide card through the cardreader.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER OPERATOR ID _</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.
<div style="border: 1px solid black; padding: 5px; text-align: center;">WAITING FOR PIN</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	No operator action required as the terminal displays this message.

STANDARD KEY OPERATIONS

PIN pad 101 or 1000 Display

TOTAL \$0.00

ENTER PIN

PUSH ∇ ENTER ∇

Display Message

INVOICE NUMBER?
_

[▲] [▲] [▲]
(optional)

PLEASE WAIT...

[▲] [▲] [▲]

RETURN XXXXXX

[▲] [▲] [▲]

Card swipe via the PIN pad (PINpad 201/2000)

Display Message

READY XXX
JAN-03-00 MON 12:00P

[▲] [▲] [▲]

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

RETURN:
CREDIT DEBIT

[▲] [▲] [▲]

RETURN AMOUNT?
\$0.00

[▲] [▲] [▲]
(optional)

Cardholder Instructions

No operator action required as the PIN pad scrolls the three display messages to the left. The first message is the total amount of the sale.

The customer should then enter his/her PIN on the PIN pad.

Completing the instructions on the PIN pad, the customer should press [ENTER].

Operator Action

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

Please wait as the terminal communicates with the host computer.

When the transaction is approved, the printer prints a receipt of the transaction. Press [CLEAR] to return to the idle prompt.

Operator Action

Press the key labeled [RETURN].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Select the right [▲] key for DEBIT. (This screen displays only when debit card returns are enabled.)

Key in the amount of the return without the decimal and press [ENTER].

STANDARD KEY OPERATIONS

Display Message

OPERATOR ID? _
[▲] [▲] [▲]

Customer swipes card _
[▲] [▲] [▲]

PINpad 201 or 2000 Display

SWIPE CARD

PROCESSING

TOTAL \$0.00

ENTER PIN, PUSH #

PROCESSING

THANK YOU

Terminal Display

INVOICE NUMBER? _
[▲] [▲] [▲] <i>(optional)</i>

Terminal displays several messages

RETURN XXXXXX
[▲] [▲] [▲]

Operator Action

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Instruct the customer to swipe his/her ATM/debit card through the PIN pad.

Cardholder Instructions

Customer swipes card through the card reader of the PIN pad device.

No action necessary as these display messages flash.

The customer should enter his/her PIN number and push [#] key as the two messages to the left alternate on the display panel of the PIN pad device.

No customer action as these messages display.

Operator Action

Key in the invoice number (up to eight digits) and press [ENTER] or simply press [ENTER] to skip this field.

Please wait — the terminal is communicating with the host computer.

When the transaction is approved, the printer prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

AUTHORIZATION ONLY

An authorization only is a nonmonetary function that checks the availability of the cardholder's credit and reserves the authorized amount without actually charging the cardholder. Follow the steps below to authorize a transaction without ticket data capture. After obtaining an authorization only, a ticket only transaction must be performed in order to capture and deposit the transaction.

Authorization Only — Card Swipe

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

AUTH ONLY:
ENTER ACCOUNT #
[▲] [▲] [▲]

ENTER LAST 4 DIGITS
[▲] [▲] [▲]
(optional)

XXXXXXXXXXXX
[▲] [▲] [▲]
(optional)

AMOUNT OF SALE? \$0.00
[▲] [▲] [▲]

Terminal displays several messages

APPROVED XXXXXX
[▲] [▲] [▲]

Operator Action

Press the [x] key labeled [AUTH ONLY].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

Slide the card through the card reader.

Key in the last four digits of the account number and press [ENTER].

Please wait a few seconds while terminal displays card number.

Key in the amount of the sale without the decimal, then press [ENTER].

Please wait — the terminal is communicating with the host computer.

When the transaction is accepted, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Authorization Only — Manual Entry

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P [▲] [▲] [▲]</div>	Press the [x] key labeled [AUTH ONLY].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD - [▲] [▲] [▲] <i>(optional)</i></div>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">AUTH ONLY: ENTER ACCOUNT # [▲] [▲] [▲]</div>	Key in the cardholder's account number and press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">EXPIRY DATE? (MMYY) MM/YY [▲] [▲] [▲]</div>	Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].
<div style="border: 1px solid black; padding: 5px; text-align: center;">PHONE ORDER? YES NO [▲] [▲] [▲]</div>	Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.
<div style="border: 1px solid black; padding: 5px; text-align: center;">IMPRINT REQUIRED... IF CARD IS PRESENT! [▲] [▲] [▲]</div>	If a card is present, make an imprint of the card with a manual imprinter.
<div style="border: 1px solid black; padding: 5px; text-align: center;">AMOUNT OF SALE? \$0.00 [▲] [▲] [▲]</div>	Key in the amount of the sale without the decimal and press [ENTER].
<i>Terminal displays several messages</i>	
<div style="border: 1px solid black; padding: 5px; text-align: center;">APPROVED XXXXXX [▲] [▲] [▲]</div>	When the transaction is approved, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

READY XXX
JAN-03-00 MON 12:00P

[▲] [▲] [▲]

Press the [x] key labeled [AUTH ONLY].

ENTER PASSWORD -

[▲] [▲] [▲]

(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].

(This prompt is optional.)

AUTH ONLY:
ENTER ACCOUNT #

[▲] [▲] [▲]

Key in the cardholder's account number and press [ENTER].

EXPIRY DATE? (MMYY)
MM/YY

[▲] [▲] [▲]

Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].

PHONE ORDER?
YES NO

[▲] [▲] [▲]

Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.

IMPRINT REQUIRED...
IF CARD IS PRESENT!

[▲] [▲] [▲]

If a card is present, make an imprint of the card with a manual imprinter.

AMOUNT OF SALE?
\$0.00

[▲] [▲] [▲]

Key in the amount of the sale without the decimal and press [ENTER].

AVS ADDRESS

[▲] [▲] [▲]

Key in the customer's numeric address (up to five digits) and press [ENTER].

AVS ZIP CODE

[▲] [▲] [▲]

Key in the customer's five- or nine-digit Zip Code and press [ENTER].

*Terminal displays several
messages*

APPROVED XXXXXX Y

[▲] [▲] [▲]

When the transaction is approved, the terminal displays the authorization and AVS codes and the printer (if available) prints a receipt of the transaction. Press [CLEAR] to return to the idle prompt.

STANDARD KEY OPERATIONS

Address Verification Service (AVS) Response Code Definitions			
A	Address Match Only	U	Address Information Not Available
E	Not eligible for AVS	W	9-digit Zip Code OK
N	No Match	X	Exact Match
R	Retry, System Unavailable	Y	Exact Match
S	Service Not Supported	Z	5-digit Zip Code OK

TICKET ONLY

The ticket only procedure is a monetary function used to capture a previously authorized transaction and initiate its deposit. If an auth only was previously performed or a voice authorization obtained, follow the steps below to complete the transaction.

Ticket Only — Card Swipe

Display Message

READY XXX JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
<i>(optional)</i>

TICKET ONLY MUST FIRST RECV AUTH
[▲] [▲] [▲]

TICKET ONLY: ENTER ACCOUNT #
[▲] [▲] [▲]

ENTER LAST 4 DIGITS
[▲] [▲] [▲] [▲]
<i>(optional)</i>

XXXXXXXXXXXX
[▲] [▲] [▲] [▲]
<i>(optional)</i>

OPERATOR ID?
[▲] [▲] [▲] [▲]
<i>(optional)</i>

AMOUNT OF SALE?
\$0.00
[▲] [▲] [▲]

Operator Action

Press the [-] key labeled [OFFLINE].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Please wait a few seconds while terminal displays this reminder message.

Slide the card through the card reader.

Key in the last four digits of the account number and press [ENTER].

Please wait a few seconds while the terminal displays the card number.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the sale without the decimal, then press [ENTER].

STANDARD KEY OPERATIONS

Display Message

TAX AMOUNT?	\$0.00
-------------	--------

[▲] [▲] [▲]

CUSTOMER CODE	_
---------------	---

[▲] [▲] [▲]
(optional)

PURCHASE ID	
-------------	--

[▲] [▲] [▲]
(optional)

APPROVAL CODE	_
---------------	---

[▲] [▲] [▲]

INVOICE NUMBER?	_
-----------------	---

[▲] [▲] [▲]
(optional)

ACCEPTED XXXXXX	
-----------------	--

[▲] [▲] [▲]

Operator Action

Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

Key in the purchase ID (up to 25 alphanumeric characters). This may be an invoice number or order number. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS ONLY.

Key in the approval code previously obtained via voice authorization or through an auth only transaction. Press [ENTER].

Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

When the transaction is accepted, the printer (if available) prints a receipt of the transaction. After the printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Ticket Only — Manual Entry

Display Message

READY XXX JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
<i>(optional)</i>

TICKET ONLY MUST FIRST RECV AUTH
[▲] [▲] [▲]

TICKET ONLY: ENTER ACCOUNT #
[▲] [▲] [▲]

EXPIRY DATE? (MMYY) MM/YY
[▲] [▲] [▲]

PHONE ORDER? YES NO
[▲] [▲] [▲]

IMPRINT REQUIRED... IF CARD IS PRESENT!
[▲] [▲] [▲]

OPERATOR ID? _
[▲] [▲] [▲]
<i>(optional)</i>

AMOUNT OF SALE? \$0.00
[▲] [▲] [▲]

TAX AMOUNT? \$0.00
[▲] [▲] [▲]
<i>(optional)</i>

Operator Action

Press the [-] key labeled [OFFLINE].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Please wait a few seconds while terminal displays this reminder message.

Key in the cardholder's account number and press [ENTER].

Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].

Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.

If a card is present, make an imprint of the card with a manual imprinter.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the sale without the decimal and press [ENTER].

Key in the tax amount without the decimal, then press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

STANDARD KEY OPERATIONS

Display Message

CUSTOMER CODE

[▲] [▲] [▲]
(optional)

PURCHASE ID

[▲] [▲] [▲]
(optional)

APPROVAL CODE

[▲] [▲] [▲]

INVOICE NUMBER?

[▲] [▲] [▲]
(optional)

ACCEPTED XXXXXX

[▲] [▲] [▲]

Operator Action

Key in the customer code (up to 17 alphanumeric characters) as provided by the purchasing agent and press [ENTER]. THIS IS A REQUIRED FIELD FOR PURCHASING CARDS.

Key in the purchase ID (up to 25 alphanumeric characters). This may be an invoice number or an order number. THIS IS A REQUIRED FIELD FOR VISA PURCHASING CARDS ONLY.

Key in approval code previously obtained via voice authorization or through an auth only transaction and press [ENTER].

Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

When the transaction is accepted, the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Display Message

READY XXX JAN-03-00 MON 12:00P

[▲] [▲] [▲]

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

TICKET ONLY MUST FIRST RECV AUTH

[▲] [▲] [▲]

TICKET ONLY: ENTER ACCOUNT #

[▲] [▲] [▲]

EXPIRY DATE? (MMYY) MM/YY

[▲] [▲] [▲]

PHONE ORDER? YES NO

[▲] [▲] [▲]

IMPRINT REQUIRED... IF CARD IS PRESENT!
--

[▲] [▲] [▲]

OPERATOR ID? _

[▲] [▲] [▲]
(optional)

AMOUNT OF SALE? \$0.00

[▲] [▲] [▲]

ORDER NUMBER _

[▲] [▲] [▲]

Operator Action

Press the [-] key labeled [OFFLINE].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Please wait a few seconds while terminal displays this reminder message.

Key in the cardholder's account number and press [ENTER].

Key in the four-digit expiration date using two digits each for month and year (e.g., 0199 for January 1999) then press [ENTER].

Press the left [▲] key if the order was received by phone or press the right [▲] key if it was not.

If a card is present, make an imprint of the card with a manual imprinter.

Key in the operator ID (up to four alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

Key in the amount of the sale without the decimal and press [ENTER].

Key in order number (up to 25 alphanumeric characters) and press [ENTER].

Display Message

Operator Action

STANDARD KEY OPERATIONS

AUTH CODE
_
[▲] [▲] [▲]

Key in approval code previously obtained via voice authorization or through an AUTH ONLY transaction and press [ENTER].

TOTAL AUTH AMOUNT
\$0.00
[▲] [▲] [▲]

Key in total authorized amount and press [ENTER].

AVS RESPONSE CODE
_
[▲] [▲] [▲]

Key in previously obtained AVS response code and press [ENTER].

ACI
_
[▲] [▲] [▲]

Key in the letter V and press [ENTER].

TID
_
[▲] [▲] [▲]

Key in the transaction ID number if previously obtained and press [ENTER].

INVOICE NUMBER?
_
[▲] [▲] [▲]
<i>(optional)</i>

Key in the invoice number (up to eight alphanumeric characters) and press [ENTER] or simply press [ENTER] to skip this field.

ACCEPTED XXXXXX
[▲] [▲] [▲]

When the transaction is accepted, the printer (if available) prints a receipt of the transaction. Press [CLEAR] to return to the idle prompt.

VOID

A void is a monetary transaction used to eliminate a transaction completed earlier in the batch. The transaction will continue to appear in the totals and detailed reports as having been voided.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

VOID...ENTER ITEM #
[▲] [▲] [▲]

001 SALE: \$ 10.00
PREV NEXT NEW
[▲] [▲] [▲]
Alternates w/Display Below

001 SALE: \$ 10.00
To select Push ENTER
[▲] [▲] [▲]

001 SALE: \$ 10.00
VOID VIEW
[▲] [▲] [▲]

Void Item 001...Press
ENTER to confirm!
[▲] [▲] [▲]

Item #001 VOIDED!
[▲] [▲] [▲]

Operator Action

Press the key labeled [VOID].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Key in the item number displayed on the receipt or found in the item review and press [ENTER] or press [ENTER] for the first item.

The first line displays the item number, the transaction type, and the dollar amount. Press the left [▲] key to see the previous item, the middle [▲] key to choose the next item number, the left [▲] key to enter a new item number, or press [ENTER] to select the displayed item.

Press the right [▲] key to display more information regarding this transaction or press the left [▲] key to initiate the void.

Press [ENTER] to confirm the void.

The transaction is voided and the printer (if available) prints a receipt of the transaction. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished void receipt will look like this:

VOID RECEIPT					
RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345 PHONE: (XXX) XXX-XXXX FAX: (XXX) XXX-XXXX					-Transaction type specification -Customized header (up to six lines)
Merch ID: XXXXXXXXXXXXXXXX Terminal ID: XXXX					-Merchant ID -Terminal ID
Item:001 VISA VSALE/SWIPED Acct: XXXXXXXXXXXXXXXX EXP: 12/00 JOHN DOE Invoice: XXXXXX OP ID: XXXXXXXX					-Item number, card and trans. type, entry method -Card number, expiration date -Cardholder name -Invoice number and operator ID (optional)
AMOUNT:	\$		12.00		-Purchase amount
X _____ JOHN DOE					-Cardholder's signature -Cardholder's name
I AGREE TO PAY THE ABOVE AMOUNT ACCORDING TO CARD ISSUER AGREEMENT (MERCHANT AGREEMENT IF RETURN)					-Customized cardholder agreement
THANK YOU FOR SHOPPING HERE! COME AGAIN!					-Custom message
Date: 01/03/00 Day: Mon. Time: 12:00P Response: VOID SALE XXX					-Date, day, and time of transaction -Response from host
TOP COPY-MERCHANT BOTTOM COPY-CUSTOMER					

REVIEW

The review function enables the reviewing and printing of transactions stored in the current batch. The review function includes a variety of options: item review, totals review for card and operator ID totals (when applicable), item detail report and totals reports for card and operator ID totals (when applicable). Reports can be displayed on the LinkPoint 3000 display panel or, if a printer is available, printed.

VIEW (WITHOUT PRINTING)

Item Review

The procedures outlined below show how to display detailed transaction information.

Display Message

READY XXX
JAN-03-00 MON 12:00P

[▲] [▲] [▲]

ENTER PASSWORD -

[▲] [▲] [▲]

(optional)

ITEM TOTAL PRINT

[▲] [▲] [▲]

ENTER ITEM #

[▲] [▲] [▲]

001 SALE: \$ 10.00
PREV NEXT VIEW

[▲] [▲] [▲]

ITEM NUM: 008
<--- --->

[▲] [▲] [▲]

Operator Action

Press the [REVIEW] key.

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Press the left [▲] key to select ITEM.

Key in the item number to review and press [ENTER] or press [ENTER] for the first selection.

Press the left [▲] key to see the previous item, the middle [▲] key to choose the next item or press the right [▲] key to view the selected item.

If you view the selected item, the selected item number appears. Pressing the right [▲] key will scroll through the transaction information (i.e., item number, transaction type, card type, amount, tax, total, AVS response, account number, entry method, approval code, op ID, ACI, TID, invoice number, and order number). Press [CLEAR] when done. As you are viewing the transaction, you may find fields with values that exceed the 20 character display. If this occurs you can use the [*] key to scroll left and [#] key to scroll right it is illustrated on the terminals overlay.

STANDARD KEY OPERATIONS

Total Review (Card Totals)

The procedures outlined below show how to display card totals information.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
<i>(optional)</i>

ITEM TOTAL PRINT
[▲] [▲] [▲]

CARD	OP ID
[▲]	[▲] [▲]

ENTER CARD TYPE
[▲] [▲] [▲]

MASTERCARD
\$ 0.00
[▲] [▲] [▲]

or

BATCH TTL \$	200.00
[▲]	[▲] [▲]

Operator Action

Press the key labeled [REVIEW].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Press the middle [▲] key to select TOTAL.

Press the left [▲] key to select CARD.

Select card type: 1=MasterCard 2=VISA
3=AMEX 4=Discover/NOVUS 5=Diners Club
6=JCB 7=FDC 8=Debit
and press [ENTER] or press [ENTER] for all cards.

The terminal displays the totals for the selected card.

or

The terminal displays the grand total for all cards (batch total). Press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

Total Review (Operator Totals)

This is an optional function. If entry of an operator ID is enabled, this operator totals can be reviewed by following the procedures outlined below.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

ITEM TOTAL PRINT
[▲] [▲] [▲]

CARD	OP ID
[▲]	[▲] [▲]

ENTER OPERATOR ID

[▲] [▲] [▲]

OP 0001	\$	10.00
PREV ID		NEXT ID
[▲]	[▲]	[▲]

or

OP TOTALS \$	10.00
[▲]	[▲] [▲]

Operator Action

Press the key labeled [REVIEW].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Press the middle [▲] key to select TOTAL.

Press the right [▲] key to select OP ID.

Key in the individual operator's ID number (up to four alphanumeric characters) and press [ENTER] or press [ENTER] to view the total for all operator IDs.

The terminal displays the total for the individual operator's ID. Press the right [▲] key to select the next ID or press the left [▲] key to select the previous ID.

or

If [ENTER] was pressed, the terminal displays the grand total for all operators. After reviewing the operator ID totals, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

PRINTING REPORTS

Item Detail Report

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

Operator Action

Press the key labeled [REVIEW].

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

ITEM TOTAL PRINT
| | |
[▲] [▲] [▲]

Press the right [▲] key to select PRINT.

ITEM OP ID SUMMARY
| | |
[▲] [▲] [▲]

Press the left [▲] key to select ITEM.

ITEM DETAIL
PRINTING...
[▲] [▲] [▲]

After printing stops, users can choose to print another report or simply press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished item detail report will look like this:

```
ITEM DETAIL REPORT

      RETAIL STORE
CROSSROADS MEGA-MALL
      123 MAIN STREET
      ANYWHERE, USA 12345
      PHONE: (XXX) XXX-XXXX
      FAX: (XXX) XXX-XXXX

Merchant ID: XXXXXXXXXXXXX
Terminal ID: XXXX
Date: 01/03/00   Day: Mon           Time: 11:30P

      CREDIT TRANSACTIONS
      -----
Item#: 001   VISA   SALE/SWIPE

Acct#: XXXXXXXXXXXXX   EXP DATE: 10/00
Invoice: XXXXXXXX   OP ID: XXXX
Date: 01/03/00           Time: 12:40P
RESP: AUTH/TKT XXXXXX
AMOUNT   TAX       TOTAL
$50.00   $5.00     $55.00

      DEBIT TRANSACTIONS
      -----
ITEM#: 002   DEBIT   SALE

Acct#: XXXXXXXXXXXXX
Invoice: XXXXXXXX   OP ID: XXXX
Date: 01/03/00           Time: 12:30P
RESP: AUTH/TKT XXXXXX
AMOUNT   CASHBACK  SURCHARGE  TOTAL
$ 12.00   $ 0.00     $ 0.00    $ 12.00

      END OF BATCH
```

-Transaction type specification

-Customized header (up to six lines)

-Merchant ID

-Terminal ID

-Date, day, time of sale

-Item number, card type, transaction type,
entry method

-Account number, expiration date

-Invoice number, operator ID

-Date of transaction, time of transaction

-Approval code

-Amount

-Item number, card type, transaction type,
entry method

-Account number, expiration date

-Invoice number, operator ID

-Date of transaction, time of transaction

-Approval code

-Amount

STANDARD KEY OPERATIONS

Summary Report (Card Totals)

Display Message

READY XXX
JAN-03-00 MON 2:00PM
[▲] [▲] [▲]

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

ITEM TOTAL PRINT
| | |
[▲] [▲] [▲]

ITEM OP ID SUMMARY
| | |
[▲] [▲] [▲]

TOTALS
PRINTING...
[▲] [▲] [▲]

Operator Action

Press the key labeled [REVIEW].

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Press the right [▲] key to select PRINT.

Press the right [▲] key to select SUMMARY.

After printing stops, users can choose to print another report or simply press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished summary report will look like this:

<p>BATCH SUMMARY REPORT</p> <p>RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345</p> <p>Merchant ID: XXXXXXXXXXXXXXXXX Terminal ID: XXXX</p> <p>Date: 01/03/00 Time: 11:30P</p> <p style="text-align: center;"><u>MASTERCARD/VISA SUMMARY</u></p> <table border="1"> <thead> <tr> <th><u>CARD</u></th> <th><u>ITEM</u></th> <th><u>TRAN</u></th> <th><u>ACCT#</u></th> <th><u>TOTAL</u></th> </tr> </thead> <tbody> <tr> <td>MC</td> <td>002</td> <td>SALE</td> <td>4-4444</td> <td>\$ 12.00</td> </tr> <tr> <td colspan="4"></td> <td>=====</td> </tr> <tr> <td></td> <td></td> <td>MC</td> <td>TTLS:</td> <td>\$ 12.00</td> </tr> <tr> <td>VISA</td> <td>001</td> <td>SALE</td> <td>4-6666</td> <td>\$ 15.00</td> </tr> <tr> <td colspan="4"></td> <td>=====</td> </tr> <tr> <td></td> <td></td> <td>VISA</td> <td>TTLS:</td> <td>\$ 15.00</td> </tr> <tr> <td colspan="4"></td> <td>=====</td> </tr> <tr> <td></td> <td></td> <td>MC/VISA</td> <td>TOTALS:</td> <td>\$ 27.00</td> </tr> </tbody> </table> <p style="text-align: center;"><u>MISC. CREDIT CARD SUMMARY</u></p> <table border="1"> <thead> <tr> <th><u>CARD</u></th> <th><u>ITEM</u></th> <th><u>TRAN</u></th> <th><u>ACCT#</u></th> <th><u>TOTAL</u></th> </tr> </thead> <tbody> <tr> <td>AMEX</td> <td></td> <td></td> <td>NO TRANS</td> <td></td> </tr> <tr> <td>DC</td> <td></td> <td></td> <td>NO TRANS</td> <td></td> </tr> <tr> <td>DISC</td> <td></td> <td></td> <td>NO TRANS</td> <td></td> </tr> <tr> <td>OTHR</td> <td></td> <td></td> <td>NO TRANS</td> <td></td> </tr> <tr> <td colspan="5">MISC. CREDIT CARD BATCH TOTAL: 0000.00</td> </tr> </tbody> </table> <p>@@@ CREDIT CARD GRAND TOTAL \$ 000.00 @ @@</p> <p style="text-align: center;"><u>DEBIT CARD SUMMARY</u></p> <table border="1"> <thead> <tr> <th><u>CARD</u></th> <th><u>ITEM</u></th> <th><u>TRAN</u></th> <th><u>ACCT#</u></th> <th><u>TOTAL</u></th> </tr> </thead> <tbody> <tr> <td>DBT</td> <td>004</td> <td>SALE</td> <td>xxx4444</td> <td>10.00</td> </tr> <tr> <td colspan="4"></td> <td>=====</td> </tr> <tr> <td></td> <td></td> <td>DEBIT</td> <td>TTLS:</td> <td>10.00</td> </tr> </tbody> </table> <p style="text-align: center;"><u>CHECK GUARANTEE SUMMARY</u> Check Guarantee Customer ID: XXX.XXXXXX</p> <table border="1"> <thead> <tr> <th><u>ITEM#</u></th> <th><u>APPRVL CODE</u></th> <th><u>DL #</u></th> <th><u>AMOUNT</u></th> </tr> </thead> <tbody> <tr> <td>XXX</td> <td>XXXXXXX</td> <td>XXXXXXXXX</td> <td>\$0000.00</td> </tr> <tr> <td colspan="3">TOTAL CHECKS FOR 01/03/00</td> <td>\$0000.00</td> </tr> </tbody> </table>					<u>CARD</u>	<u>ITEM</u>	<u>TRAN</u>	<u>ACCT#</u>	<u>TOTAL</u>	MC	002	SALE	4-4444	\$ 12.00					=====			MC	TTLS:	\$ 12.00	VISA	001	SALE	4-6666	\$ 15.00					=====			VISA	TTLS:	\$ 15.00					=====			MC/VISA	TOTALS:	\$ 27.00	<u>CARD</u>	<u>ITEM</u>	<u>TRAN</u>	<u>ACCT#</u>	<u>TOTAL</u>	AMEX			NO TRANS		DC			NO TRANS		DISC			NO TRANS		OTHR			NO TRANS		MISC. CREDIT CARD BATCH TOTAL: 0000.00					<u>CARD</u>	<u>ITEM</u>	<u>TRAN</u>	<u>ACCT#</u>	<u>TOTAL</u>	DBT	004	SALE	xxx4444	10.00					=====			DEBIT	TTLS:	10.00	<u>ITEM#</u>	<u>APPRVL CODE</u>	<u>DL #</u>	<u>AMOUNT</u>	XXX	XXXXXXX	XXXXXXXXX	\$0000.00	TOTAL CHECKS FOR 01/03/00			\$0000.00
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- Transaction type specification
- Customized header (up to six lines)
- Merchant ID
- Terminal ID
- Date, time of sale
- This section contains the card type, item number, transaction type, truncated account number (first and last 4 digits), and transaction total for each MasterCard and Visa transaction in the batch
- This section contains the card type, item number, transaction type, truncated account number (first and last 4 digits), tip amount (restaurant only), and transaction total for other cards (i.e., AMEX, Discover, etc.) currently in the batch
- This section will print if ATM/Debit service is enabled
- This section will print if a check approval service is enabled

STANDARD KEY OPERATIONS

Summary Report (Operator Totals)

Display Message	Operator Action
<div style="border: 1px solid black; padding: 5px; text-align: center;">READY XXX JAN-03-00 MON 12:00P</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Press the key labeled [REVIEW].
<div style="border: 1px solid black; padding: 5px; text-align: center;">ENTER PASSWORD -</div> <p style="text-align: center;">[▲] [▲] [▲] <i>(optional)</i></p>	If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER]. (This prompt is optional.)
<div style="border: 1px solid black; padding: 5px; text-align: center;">ITEM TOTAL PRINT</div> <p style="text-align: center;"> [▲] [▲] [▲]</p>	Press the right [▲] key to select PRINT.
<div style="border: 1px solid black; padding: 5px; text-align: center;">ITEM OP ID SUMMARY</div> <p style="text-align: center;"> [▲] [▲] [▲]</p>	Press the middle [▲] key to select OP ID.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OPERATOR ID? _</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	Key in the individual operator's ID number (up to four alphanumeric characters) and press [ENTER] or press [ENTER] to print the total for all Operator IDs.
<div style="border: 1px solid black; padding: 5px; text-align: center;">OP ID #0002 PRINTING...</div> <p style="text-align: center;">[▲] [▲] [▲]</p> <p style="text-align: center;"><i>or</i></p>	After printing stops, users can choose to print another report or press [CLEAR] to return to the READY message.
<div style="border: 1px solid black; padding: 5px; text-align: center;">All Operator totals PRINTING...</div> <p style="text-align: center;">[▲] [▲] [▲]</p>	After printing stops, users can choose to print another report or press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

The finished summary report for a single operator's total will look like this:

OPERATOR XXXX REPORT				-Report type specification
RETAIL STORE				-Customized header (up to six lines)
CROSSROADS MEGA-MALL				
123 MAIN STREET				
ANYWHERE, USA 12345				
PHONE: (XXX) XXX-XXXX				
FAX: (XXX) XXX-XXXX				
Merch ID: XXXXXXXXXXXX Device ID: XXXX				-Merchant ID, -Device ID, (Terminal ID)
<u>ITEM</u>	<u>CARD</u>	<u>TRANS</u>	<u>TOTAL</u>	-Item number, card type, transaction type and total amount of sale
001	MC	SALE:	20.00 =====	
Date: 01/07/00 Day: FRI Time: 14:22				-Date and time
END OF OPERATORS				

STANDARD KEY OPERATIONS

REPRINT

The reprint function prints a duplicate copy of a captured transaction before the batch is closed. This feature cannot be used to reprint an auth only transaction.

Display Message

READY XXX JAN-03-00 MON 12:00P

[▲] [▲] [▲]

ENTER PASSWORD -

[▲] [▲] [▲]
(optional)

Reprint...Enter Item #

[▲] [▲] [▲]

001 SALE: \$10.00

[▲] [▲] [▲]

Operator Action

Press the [+] key (PRINT).

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

Key in the item number to print a duplicate receipt and press [ENTER].

If the item number is found, the printer will print a duplicate receipt. After printing stops, press [CLEAR] to return to the READY message.

STANDARD KEY OPERATIONS

A duplicate receipt will look like this:

VOID RECEIPT	-Transaction type specification
RETAIL STORE CROSSROADS MEGA-MALL 123 MAIN STREET ANYWHERE, USA 12345	-Customized header (up to six lines)
DUPLICATE	
Merch ID: XXXXXXXXXXXXXXXX	-Customer ID
Terminal ID: XXXX	-Terminal ID
Item:001 VISA VSALE / SWIPE	-Item number, card type, transaction type, entry method
Acct: XXXXXXXXXXXXXXXX EXP: 12/00	-Card number, expiration date
JOHN DOE	-Cardholder name (if card is swiped)
AMOUNT: \$12.00	-Purchase amount
X _____	-Cardholder's signature
JOHN DOE	-Cardholder's name
I AGREE TO PAY THE ABOVE AMOUNT ACCORDING TO CARD ISSUER AGREEMENT (CUSTOMER AGREEMENT IF RETURN)	-Customized cardholder agreement
COME AGAIN!	-Custom message
Date: 01/03/00 Day: Mon Time: 12:00P	-Date, day, and time of transaction
Response: VOID SALE XXX	-Response from host
TOP COPY-MERCHANT BOTTOM COPY-CUSTOMER	

STANDARD KEY OPERATIONS

CLOSE BATCH

The close batch procedure is a monetary transaction used to summarize daily transactions for electronic deposit into the merchant's bank account. Follow the steps below to summarize transactions for electronic deposit. If the merchant is set up for auto close, the terminal will automatically print a summary report and close the batch at the designated time each day when a batch is present. Even when the ENTER TOTAL AMOUNT prompt is set for manual close, this is bypassed and auto close performed.

Display Message

READY XXX
JAN-03-00 MON 12:00P
[▲] [▲] [▲]

Operator Action

Press the key labeled [CLOSE].

ENTER PASSWORD -
[▲] [▲] [▲]
(optional)

If prompted, key in the password (the default is [1][2][3][1][2][3]) and press [ENTER].
(This prompt is optional.)

PRINT REPORT?
YES NO
[▲] [▲] [▲]
(optional)

Press the left [▲] key to print a report or the right [▲] key to skip this step.

ENTER TOTAL AMOUNT
\$0.00
[▲] [▲] [▲]
(optional)

Key in the total batch amount and press [ENTER].

Terminal displays several messages

Please wait — the terminal is communicating with the host computer.

CLOSE 000000.00
[▲] [▲] [▲]

After printing stops, press [CLEAR] to return to the READY message.

The completed batch receipt will look like this:

BATCH CLOSED
MERCH ID: XXXXXXXXXXXXXXXX
TERMINAL ID: XXXX
DATE 01/04/99 TIME 11:00P
ITEMS: XXX
RESP: CLOSE 00000.00

–Merchant ID
–Terminal ID
–Date and time of close
–Total number of items in batch
–Response from host, total dollar amount of transactions in batch

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

This appendix explains the meaning of the different terminal prompts.

ALREADY VOIDED	The selected item in the batch was already voided.
APPROVAL CODE	This message prompts for the entry of the authorization code during a ticket only transaction.
BATCH SUMMARY	Displays during the printing of a report which includes: individual bankcard transactions and totals, credit card transactions and totals and ATM/debit card totals.
BATCH FULL-PLS CLOSE	This message displays just before the terminal buffer is completely full to prevent the terminal from locking up; instructs the user to close the batch before being able to continue.
CALL CENTER	Contact the voice authorization center and request a verbal approval.
CASH BACK?	This message prompts after AMOUNT OF SALE during an ATM/debit sale.
CASH BACK AMOUNT?	This message prompts after YES is selected at the CASH BACK? prompt.
CLEAR TO RESUME	This is the main menu display in the boot mode.
COMM FAILURE	Displays when (1) the terminal attempts to dial out after the maximum number of allowable times (customizable) or (2) no telephone line is detected.
CONNECT ERROR	The terminal has detected an error while connecting to the host computer. Please try the transaction again.
CONNECTED!	This message displays when the terminal connects to the host computer.
CUSTOMER CANCELED	The cardholder pressed [CLEAR] on the PIN pad and canceled the transaction.
DECLINED	The card has been declined by the host computer.
DEMONSTRATION ONLY! NOT AN ACTUAL SALE	Prompts at the beginning of each demo transaction.
DIALING...	This message is displayed when the terminal begins dial out.
ENTER APPL. ID	This message prompts during the download request.

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

ENTER LAST 4 DIGITS	Card fraud protection prompt displayed after a card is swiped.
ENTER PASSWORD	This message prompts when a password is required to access a function or transaction.
ENTER PHONE NUMBER	This message prompts during the download request.
ENTER TERMINAL ID	This message prompts during the download request.
ERROR!...NO MATCH	The four digits entered do not match the last four digits encoded on the magnetic stripe of the card. Attempt to re-enter the last four digits. If there is no match again, the terminal will return to the READY message.
EXPIRED CARD	The expiration date sent with the authorization request indicates that the card has expired. If the card is not expired, the terminal may be programmed with the incorrect date.
EXPIRY DATE? (MMYY)	This message prompts after the keyed entry of the cardholder's account number.
IMPRINT REQUIRED IF CARD IS PRESENT	This message prompts for approximately four seconds after the card number and the expiration date are keyed.
INCORRECT AMOUNT	The terminal allows a maximum amount entry of nine positions including the decimal point (\$123456.78) or a minimum amount entry of \$.01. The amount entered does not fall within these parameters.
INVALID AMOUNT	This message displays when a zero amount is entered for credit card transactions or when an amount less than \$1.00 is entered for a check guarantee request.
INVALID CARD NUMBER	The cardholder's account information transmitted to the host computer is not valid (i.e., sending incorrect magnetic stripe data).
INVALID EXP DATE	The expiration date entered was formatted incorrectly. The correct date format is MMY (i.e., for JANUARY 1999, 0199 should be entered).
INVALID PIN	The transaction was DECLINED because the customer entered an incorrect PIN.
INVALID SERVICE	Optional service is not enabled.
INVALID TERM ID	The terminal has been programmed incorrectly.
INVALID TRAN TYPE	The terminal may not be programmed to accept this transaction (i.e., terminal may not be setup to accept this card type).

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

INVALID ZIP CODE	The Zip Code was entered incorrectly. The correct format is a five or nine digit Zip Code.
ITEM NOT FOUND!	The terminal could not locate the particular item number selected. Try a different item number.
KEY NOT ACTIVE	This message displays when an unavailable key is pressed.
LINE ERROR	There may be a communication problem between the terminal and the host computer.
MOD-10 CHECK	The account number of the swiped/keyed card is invalid.
MODEM ERROR	The terminal has detected a problem with its modem. Try the transaction again.
MUST FIRST RECV AUTH	This message prompts for approximately three seconds each time the [x] [OFFLINE] key is pressed.
MUST PERFORM FULL DOWNLOAD FIRST	This message prompts when a partial download is requested but the application is not yet loaded into the terminal.
NO CARRIER	This message displays when a modem/RS232 error occurs.
NO DIAL TONE	This message displays when the phone line is not detected.
NO GUAR/OVER LIMIT	Too many checks or large checks have been authorized and put the merchant over a pre-established check approval limit.
NO LINE	The terminal cannot detect a telephone line connection. Make sure that the telephone cord is securely plugged into the terminal.
NO MERCHANT ID	The terminal was incorrectly programmed without one of the required ID's for credit card, split dial or check processing transactions.
NO PIN PAD	A PIN pad is not connected to the terminal or it is not activated. An ATM/debit sale cannot be performed without a PIN pad.
NO PHONE NUMBER	The message displays when the primary host and/or the secondary host phone number(s) were not downloaded into the terminal.
NO TOTALS FOUND!	No transactions were found for the card type selected.
NOT FOUND!	The terminal displays this message when it cannot find the information requested (i.e., there is no item number 99 in the current batch).

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

PICK UP CARD	The host computer has detected that the card used is no longer valid or it may be lost or stolen.
PLEASE ATTEMPT TO CLOSE BATCH LATER!	The terminal may be having problems closing the batch at this particular time. Please attempt to close the batch later.
PREV NEXT NEW	This message displays on line 2 during a void request.
PRINTER DISABLED! CHECK PRINTER!	User may not have a printer or it may not be installed properly. Check that the printer is securely connected to the back of the terminal, that the power is turned on, and that it is enabled via the terminal setup.
PRINTER REQUIRED FOR DEBIT CARD SALES	This message prompts when the [ATM/DEBIT] key is pressed but a printer is not connected/enabled. A printer must be connected, enabled, and powered on to perform an ATM/debit sale.
PROMPTS FILE	Displays during initialization of the terminal after a full or a partial download.
READY XXX	The line 1 default idle prompt displays the number of transactions left in the batch.
RECEIVING...	This message displays when the terminal is receiving a response from the host computer via modem.
SWIPE ONLY	User attempted (1) to key in an ATM/debit sale; ATM/debit sales must be swiped or (2) to key in a transaction when the terminal is downloaded with the keyed parameter disabled.
SWIPE CARD AGAIN NOW	The card was swiped incorrectly or another card error condition exists.
TO SELECT PUSH ENTER	Alternate display with the PREV NEXT NEW message.
TRANSMITTING...	This message displays when the terminal is sending transaction data to host via modem.
TRY AGAIN	The card may have been improperly swiped through the cardreader — attempt to swipe the card again.
UNDEFINED CARD TYPE	The card number does not match the required account range settings. If the account number is valid, the terminal is not properly setup to accept that particular card type.
UNREADABLE CARD	The magnetic stripe of the swiped card may be damaged or the cardreader may be obstructed or otherwise requires cleaning.
VOID VIEW	This message displays on line 2 when an item is selected to be voided.

APPENDIX A—PROMPTS AND TROUBLE SHOOTING

WAITING FOR ANSWER	This message displays when the terminal is waiting to connect to the host computer or when the phone number programmed is incorrect and cannot connect to the host.
WAITING FOR PIN	Prompts on the PIN pad while it waits for the customer to enter his/her PIN number.

APPENDIX B—ADDITIONAL TROUBLESHOOTING GUIDELINES

APPENDIX B—ADDITIONAL TROUBLESHOOTING GUIDELINES

This appendix identifies some additional problems that may be encountered and the actions necessary to correct them.

DISPLAY PANEL MALFUNCTION

If the LinkPoint 3000 displays incorrect information, such as an unreadable message or nothing at all, it may have a power problem or be a defective terminal. The terminal application may not have been properly loaded.

KEYPAD MALFUNCTION

Check the display panel. If it displays the wrong characters or nothing at all, refer to the section *Display Panel Malfunction* above. Press several keys; a beep should be heard each time. If the “beep” works, make sure the correct data is being entered.

PRINTER MALFUNCTION

Check that the printer paper is properly loaded in the printer. The printer will not operate unless a roll of paper is correctly installed. Check the terminal for signs of power failure. Press the [CLEAR] key and try the operation again; an improper command may have been used.

GLOSSARY

- AC** Alternating Current is used as a primary source of power by AC adapters and power supplies.
- AC Adapter** A device that converts AC electrical current to a different DC current so that it can be used by a particular device.
- Account Number** (1) A unique series or group of digits used to numerically identify each cardholder. (2) The unique identification number assigned to the account of a specific party, within a given institution.
- Alphanumeric** Capable of using both alphabetic and numeric characters, as in a display panel, keypad, or a computer keypad.
- Application** A software program designed with special codes, stored in the memory for a specific purpose or customer.
- ATM/Debit** A monetary function that transfers funds from the cardholder's ATM/debit account.
- Authorization** The process used by card issuers to approve or decline a transaction request.
- Authorization Only** A nonmonetary function that verifies the availability of the cardholder's credit and reserves the authorized amount.
- Baud** Signaling speed equal to the number of signal events per second.
- Card Reader** The slot on the terminal that automatically reads the magnetic stripe or bar code on the back of an encoded card (bankcard or credit card).
- Carrier** A frequency signal or tone sent over the telephone or communication line and modulated by the modem to transmit/receive data.
- Cashback Maximum** Downloaded feature to establish the maximum amount of cash back allowed by the merchant.
- Cashback Minimum** Downloaded feature to establish the minimum amount of cash back allowed by the merchant.
- Close (host response)** The batch was successfully closed and the transactions sent to the host computer.
- Close Batch** A monetary transaction used to summarize the day's transactions for electronic deposit to the merchant's bank account.

GLOSSARY

- CPU** Central Processing Unit. The brain of the computer or terminal that controls either directly or indirectly every function and device associated with the computer/terminal.
- Customer ID Number** A number used by merchants to identify themselves to the host computer at their bank or financial institution.
- Data** Information prepared in a particular format for use by the terminal or host computer for a specific transaction or operation.
- Display** The small screen on the terminal that displays messages to guide users through different operations and to alert users when errors or problems occur.
- EPROM** Erasable Programmable Read-Only Memory. A type of memory chip permanently stored in the terminal. Contains the standard application, operating system, and fixed prompts.
- File** A collection of related data.
- Force (host response)** There was a discrepancy between the transactions sent to the host and the transactions stored in the host computer. The terminal forced closure, the batch was successfully closed, and the transactions sent to the host computer.
- Fraud Control** Measures taken to prevent unauthorized use of a credit or debit card.
- Host Computer** A computer used to process credit card and debit card transactions.
- Invalid (host response)** One or more credit card numbers sent to the host computer were invalid. The terminal forced closure, the batch was successfully closed, and the information sent to the host computer.
- Keypad** The key panel used for entering data and performing operations.
- Manual Transaction** Transaction using account information entered from the keypad rather than automatic reading devices such as the card reader.
- PIN** Personal Identification Number. A four- to sixteen-digit confidential code or electronic signature used by the card holder to identify themselves to the host computer as the proper user of a credit or debit card.

- PIN pad** A Personal Identification Number pad is an encrypted input device used for entering a private identification code that validates a transaction.
- Reprint** A nonmonetary transaction used to print a duplicate copy of a captured transaction before the batch is closed.
- Return** A monetary transaction used to reverse a previous day's transaction. This transaction credits the cardholder's account.
- Review** A nonmonetary function used to review and print individual items and batch totals as an aid in reconciling a given day's transactions.
- Sale** A monetary transaction that initiates the transfer of funds. A sale can be transacted either by card swipe (magnetic cardreader) or by manual entry of the information.
- Scroll** To move text across a display screen.
- Serial Port** A connector used to communicate with host computers, other terminals and printers.
- Swipe** The action of sliding a card through a terminal's cardreader.
- Telephone Line Cord** A type of cord with modular plugs for connecting a device to another device or outlet.
- Terminal** A device used to perform transactions. The transactions are processed by the terminal itself or by a host computer. These devices have a display panel, keypad, card reader and are used to enter transaction information.
- Ticket Only** A monetary transaction used to initiate a deposit in two situations: (1) following an authorization only transaction, and (2) to complete a transaction initiated by voice authorization also known as "force" or "post authorization."
- Track 1 Data** The information stored on track 1 of the card's magnetic stripe includes the cardholder's name, account number, expiration date and security data.
- Track 2 Data** American Bankers Association information stored on track 2 of the card's magnetic stripe. Includes the cardholder's account number, expiration date and security data.
- 12 Hour Clock** Downloaded feature which allows the display of time in 12 or 24 hour format.
- Void** A monetary transaction used to eliminate a prior "current batch" sale. A receipt is generated to be included with that day's drafts and tickets.

INDEX

INDEX

A	
AC	116
AC adapter	116
Account Number	116
Address Verification Service	61
Alphanumeric	116
Alphanumeric Data	11
ALREADY VOIDED	110
Application	116
APPROVAL CODE	110
ATM/Debit	69, 78
ATM/Debit sales receipt	81
receipt	73
Auth only	82
Auth Only	
manual	83
receipt	84
swipe	82
Authorization	116
B	
Basic Operation	45
BATCH SUMMARY	110
Baud	116
Boot Mode Functions	14
Boot Mode Password	14
BUFFER FULL-CLOSE	110
C	
Calculator	45
CALL CENTER	110
Cardreader	10, 13
definition	116
Using	45
Carrier	116
CASH BACK	8
CHECK PRINTER!	113
Clear Batch	46, 51, 52, 53
Clear Memory	20
Close (host response)	116
Close Batch	109
receipt	109
Cold Start	14
COMM FAILURE	110
CONNECT ERROR	110
CUSTOMER CANCELED	110
Customer ID Number	117
D	
Data	117
DECLINED	110
Dimensions	13
Display	13
definition	117
Display Panel	10
DISPLAY PANEL MALFUNCTION	115
download parameters	35
Download Procedures	28
Direct PC-to-POS Download	31
Direct PC-to-POS Download (Shortcut)	32
POS-to-POS Download (Master/Slave)	33
E	
EPROM	117
Error Messages	110
ERROR!..NO MATCH	111
EXPIRED CARD	111
F	
File	117
Force (host response)	117
Fraud Control	117
G	
getting started	3
glossary	116
H	
Hardware	10
Host Computer	117
I	
INCORRECT AMOUNT	111
Installation	4
Invalid (host response)	117
INVALID AMOUNT	111
INVALID CARD NUMBER	111
INVALID EXP DATE	111
INVALID PIN	111
INVALID SERVICE	111
INVALID TERM ID	111
INVALID TRAN TYPE	111
INVALID ZIP CODE	112
Item	98
ITEM NOT FOUND!	112
K	
Keypad	11, 13
definition	117
KEYPAD MALFUNCTION	115
L	
Line Cord	118
LINE ERROR	112

M

Maintenance 5
 Manual 59, 61
Manual Transaction 117
Memory 13
 Memory Locations 35
Microprocessor 13
 Model Number 19
Modem 13
MODEM ERROR 112

N

NO GUAR/OVER LIMIT 112
NO LINE 112
NO PIN PAD 112
NO TOTALS FOUND! 112
NOT FOUND!..... 112

O

Operating Environment 13

P

Password Protect 40
Peripheral Ports 13
PICK UP CARD 113
PIN 117
 PIN pad 2
 definition 118
**PLEASE ATTEMPT TO CLOSE BATCH
 LATER!** 113
Power Connector 13
Power Requirements 13
PRINTER DISABLED! 113
PRINTER MALFUNCTION 115
**PRINTER REQUIRED FOR DEBIT CARD
 SALES** 113
 Printers 2
 Printing Report
 operator total summary receipt 106
 Printing Reports
 card total summary receipt 104
 card total summary 103
 item detail 101
 item detail receipt 102
 operator total summary 105
PRINTING REPORTS 101

R

Reprint 107
 receipt 108
 Return 74
 Manual 75
 receipt 77
 Swipe 74
 review 98

Review
 card totals 99
 item 98
 operator totals 100

S

Sale 58
 Manual 59, 61
 Receipt 57, 60, 63, 68, 87, 95
 Swipe 58, 64
Scroll
 definition 118
Serial Port
 definition 118
 Service 5
 Setup
 Date 15
 PIN pad Port 18
 Printer Port 16
 RS232 Port 17
 Time 15
Software 6
 specifications 13
 standard key operations 55
Swipe
 definition 118
SWIPE ONLY 113

T

Telco Connector 13
Terminal
 definition 118
 Terminal Diagnostics 21
 Cardreader Test 25
 Clock Test 22
 Dialer Test 22
 Display Test 21
 Keyboard Test 22
 Line Voltage Test 23
 Memory Analysis 26
 Modem Answer Test 24
 Modem Originate Test 23
 Serial Port Test 26
 Terminal Functions 46
 Clear Batch 46, 51, 52, 53
 Demo Mode Enable/Disable 49
 Technical Specification Printout 49
 Ticket Only 88
 manual 90, 93
 receipt 92
 swipe 88
 Track 1 Data
 definition 118
 Track 2 Data
 definition 118
TRANSACTION FEE 8
 Transaction Keys 45
 troubleshooting 110
TRY AGAIN 113

INDEX

U

UNDEFINED CARD TYPE	113
Unpacking	3
UNREADABLE CARD	113

V

Void	96
receipt	97

W

WAITING FOR PIN PAD	114
warranty	5
Weight	13

Z

Zontalk.....	28, 35
--------------	--------