D200 Semi Integrated Pinpad

v1.00.00

PAX Technology, Inc.

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Preface

D200 Users Manual
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Revision History

Date	Version	By	Description of Change	Contact
2015/09/15	V1.00.00	B.McDonald	Initial Release	support@pax.us

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1. General Information

Note

This section explains the general information in this document and will give you an overview of this document.

1.1 The Purpose of This Document

This document provides a detailed description of all user functions, which can be performed on the D200 Pinpad. The document is intended for use by the Software Engineers developing and maintaining the Payment Application design for the US Payment Card Industry, also for use by customer and Independent Sells Organization (ISO). The document should be maintained along with the application itself.

It is required that this document is stored in a safe place for future reference and modifications.

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1.2 Document Convention

Warning - Failure to follow specific procedures and practices may result in personal injury.

Caution - Failure to follow specific procedures and practices may result in damage to the POS terminal device or other equipment.

Note - Helpful hints and other important information about the use of the Pinpad.

CHART FOR STEP # - Due to keyboard differences, actions will differ with from one POS terminal model to another. Make sure to match the action with the correct model of the POS terminal being used.

- Denotes a definition or explanation of the User Function in the step/action table that follows.

- Denotes an example of when, and why and a User Function should be performed.

- Denotes a warning note to the User that the operation can cause serious issues.

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1.3 Document Structure

This Document is intended to be a Generic Users Manual for the PAX D200 Pinpad. Some of the features and instructions listed in this manual may not be supported by all processors. Please contact PAX Technical Support with any questions about feature availability.

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1.5 Document Reference

NO.	Title	Date	Version
1			
2			
3			

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2. PAX D200 Pinpad Overview

2.1 General Terminal Layout

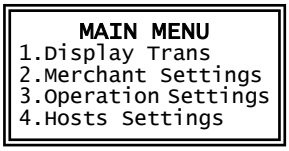
The Screen representations shown in this manual are general screens. The following is an example of the idle and Main Menu screens.

A standard screen and font format should accommodate 21 characters per line and up to 5 lines of text.

Screen Display

Idle Prompt Screen:

Main Menu Screen:



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2.2 POS Terminal Communication Options

The following chart summarizes the information regarding the different POS terminal model communication options.

MODEL	LAND LINE	GPRS	CDMA	ETHERNET	WI-FI
D200					√

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2.3 Pinpad Keypad Layout

All POS terminals have a number of keys in common. These keys are the same and perform the same function regardless of the POS Terminal model. Other keys are unique to either one model or a series of models.

2.3.1 Key Definitions

Note

All POS terminals have a number of keys in common. These keys are the same and perform the same function regardless of the POS Terminal model. Other keys are unique to either one model or a series of models.

KEY	FUNCTION
ON / OFF	Powers the terminal On & Off.
F1	On the Menu Screen functions as the Up Arrow key
F2	On the Menu Screen functions as the Down Arrow key
1-0 Number Keys	Enter amounts, account numbers, dates and any numeric value. Subsequent presses of the key will cycle through the letters.
<	Clear key. In the menu this key will erase the leftmost letter/number.
X	Cancel key. In the menu this will take you back one menu, it also functions as No.
O	Accepts entered information. Executes the current function. Also functions as Yes.

2.3.2 Key Assignments

Note

Use the table below to identify the keys on your POS Terminal model.

	D200
ON/OFF	✓
# 0-9	✓
Cancel	✓
Clear	✓
Enter	✓

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2.3.3 Keypad Layout

Note

Below is an example of the keypad layout of the D200.

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3. How to Load Application

Note
This section explains the instructions for loading the applications as well as its parameters to the terminal. Rebuilding the file system is recommended before loading new applications.

For Details on how to load the application, please refer to *BroadPOS Users Manual*

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4. How to Do Transactions

Note

This section explains the steps required for processing the different types of transactions.
Note: Exact transaction types are subject to Host Specific features.

4.1 Credit Transaction

4.1.1 Credit Sale

Note

A Credit Card Sale can be performed either by swiping, tapping, inserting, or manually entering the account number and expiration date embossed on the front of the card. Bank rates should be checked before manually entering transactions.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the Idle Prompt	
2.	The ECR sends the transaction message, including the EDC type, Transaction type and Transaction amount to the D200.	
2.1	Swipe/Tap/Insert the card, or manually input the account number and expiration date. (Steps 2.2-2.4 are for manual entry only)	SWIPE/INSERT CARD
2.2	If the security for **Card Manual Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	ENTER PASSWORD:
2.3	Manually key in the full account number then press **[ENTER]**. The account number must be between 13-16 digits.	CREDIT SALE 5555

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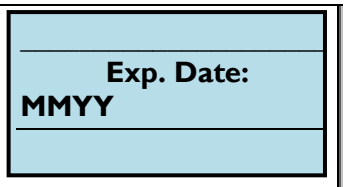
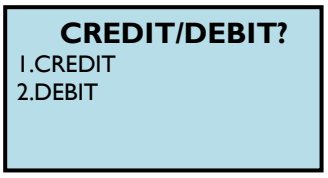
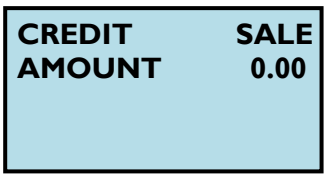
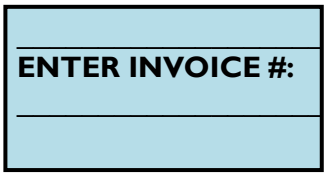
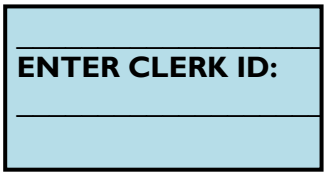
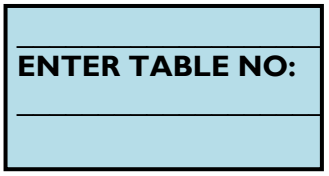
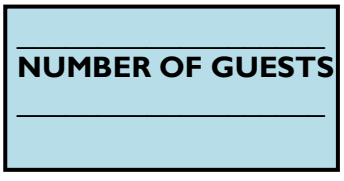
2.4	Enter the four-digit expiration date in MMYY format then press **[ENTER]**.	
3.	If the card that was swiped or inserted is a Debit card and the Debit Prompt is turned, the user is given the chance to choose between **Credit** and **Debit**. Press **[1]** for a Credit transaction or **[2]** for a Debit transaction.	
4.	If the Secure Card feature is turned on, the terminal will prompt for the Last 4 digits of the card number. When prompted, enter the corresponding digits then press **[ENTER]**.	
5.	If no transaction amount was sent to the terminal it will prompt for the transaction amount. Input the dollar amount of the transaction then press **[ENTER]**	
6.	If the **Invoice Mode** option is enabled, the terminal will prompt for the invoice number. When prompted, enter the invoice No. then press **[ENTER]**.	
7.	If the **Clerk/Server ID Mode** feature is turned on the terminal will prompt for the Clerk/Server ID. When prompted, enter the clerk/server ID then press **[ENTER]**.	
8.	If the **Table Mode** option is enabled the terminal will prompt for the table number. When prompted, enter the table number then press **[ENTER]**.	
9.	If the **Guest No. Mode** option is enabled; the terminal will prompt for number of guests. When prompted, enter the number of guests then press **[ENTER]**.	

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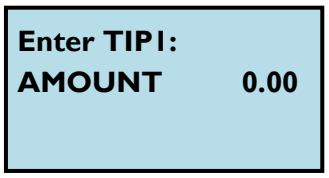
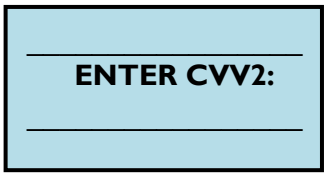
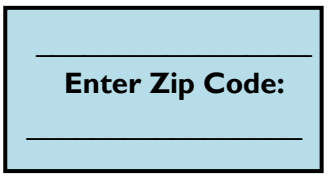
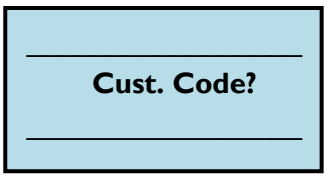
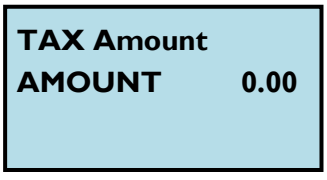
10.	If tips are enabled, and are set to Tip In Transaction mode, the terminal will prompt for the tip amount to be entered. Input the amount for tip on the Keypad then press **[ENTER].**	
11. I	If the account number was manually entered, the terminal will ask if the card is present. Depending on the user's response the terminal will prompt for V-code and other AVS settings*. * Dependent upon Fraud Control settings.	
12.	Press **[1]** if the card is present. *OR* Press **[2]** if the card is not present.	
13.	Enter the V-code from the back of the credit card then press **[ENTER]**.	
14. E	Enter the street address then press **[ENTER]**. i.e.: If billing address is 123 Main St., enter 123.	
15. E	Enter the ZIP Code then press **[ENTER]**. i.e.: If billing address ZIP code is 12345-0123., enter 12345.	
16.	If Commercial Card Support is enabled, the terminal will prompt for the Customer Code. Input the code then press **[ENTER]**. Or press Enter to bypass.	
17.	If Tax amount is enabled, or Commercial Card Support is enabled, the terminal will prompt for the Tax amount to be input. When prompted, enter the Tax Amount then press **[ENTER]**. Or press Enter to bypass.	

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18.	The terminal contacts the Host Processor for an approval and forwards the information to the POS system. The POS System will then print the receipt.	
19.	The terminal will go back to the idle screen.	
20.	**Stop.**	

CARD TYPE	CVC CODE	CVV CODE	CID CODE
VISA		√	
MasterCard	√		
AMEX			√
Discover			√

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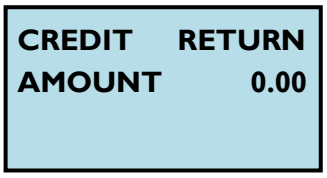
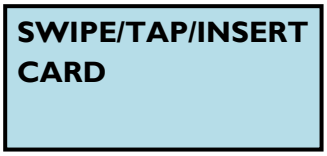
4.1.2 Credit Return

Note

A Credit RETURN is the reversal of an approved and settled transaction. A RETURN issues credit to the customer's credit card. If the transaction has not already been settled, a VOID should be processed.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the Idle Prompt.	
2.	The POS system will send the "Return" transaction message to the Terminal for processing. The POS may or may not send the amount if it does not, you must follow Step 3 below, if it does, skip to step 4.	
3.	Input the amount of the Return then Press **[ENTER].** ***** If the original transaction included a tip amount then the total amount should be entered as the return amount.	
4.	Swipe/Tap/Insert the card or Manually enter the account number and expiration date.	
5.	If the account number was manually entered, the terminal will ask if the card is present. Depending on the user's response the terminal will prompt for V-code and other AVS settings*. * Dependent upon Fraud Control settings.	
6.	The terminal will send the Return to the Host processor for an approval, and then deliver the Host response to the POS system. The POS system will print the receipt.	
7.	The terminal will return to the idle screen.	
8.	**Stop.**	

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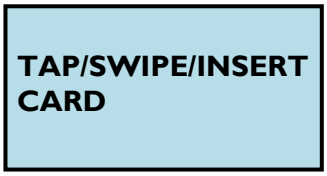
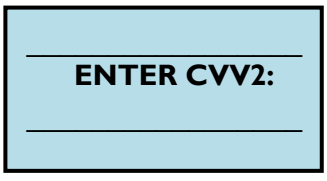
4.1.3 Credit Auth

Note

An Auth transaction represents a pre-authorization that does NOT charge the credit card. It *reserves* the requested amount and places a hold on the customer's open-to-buy. To charge the card after an AUTH a POSTAUTH transaction must be completed.

STEP	ACTION	DISPLAY
1.	Make sure the terminal is at the Idle Screen	
2.	The POS system will send the EDC type and Transaction Type message to the Terminal.	
3.	Swipe/Insert/Tap or manually enter the card number when prompted.	
4.	If the account number was manually entered, the terminal will ask if the card is present. Depending on the user's response the terminal will prompt for V-code and other AVS settings*. * Dependent upon Fraud Control settings.	
5.	Press **[1]** if the card is present. *OR* Press **[2]** if the card is not present.	
6.	Enter the V-code from the back of the credit card then press **[ENTER]**.	
7. E	Enter the street address then press **[ENTER]**. i.e.: If billing address is 123 Main St., enter 123.	

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8.	Enter the ZIP Code then press **[ENTER]**. i.e.: If billing address ZIP code is 12345-0123., enter 12345.	**Enter Zip Code:**
9.	The terminal will contact the Host Processor for an approval and return the message to the POS System.	
10.	The Terminal will return to the Idle Screen.	
11.	**Stop.**	

4.1.4 Credit PostAuth

Note

When authorization has previously been obtained via an AUTH transaction, a PostAuth can be performed to complete the transaction and receive payment.

STEP	ACTION	DISPLAY
1.	Make sure the terminal is at the Idle Screen.	
2.	The POS system sends the Transaction message to the Terminal	
3.	Swipe/Insert/Tap or manually enter the card number when prompted.	**TAP/SWIPE/INSERT CARD**

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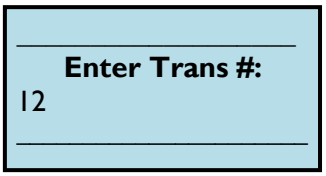
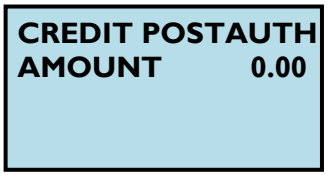
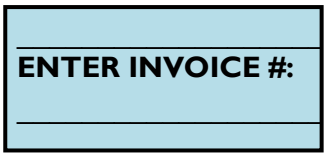
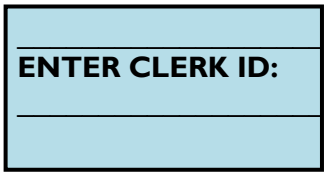
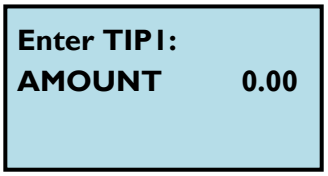
4.	Input the transaction # to be completed.	
5.	The terminal searches the database for an AUTH transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	
6.	Input the dollar amount of the transaction then press **[ENTER]**	
7.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	
8.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
9.	This prompt occurs when the **Tip Option** feature is turned on. Input the amount for tip on the Keypad then press **[ENTER].**	
10.	This prompt occurs when the **Card Present Mode** feature is turned on. Press **[1]** if the card is present. *OR* Press **[2]** if the card is not present.	

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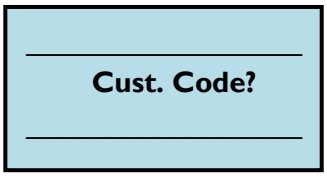
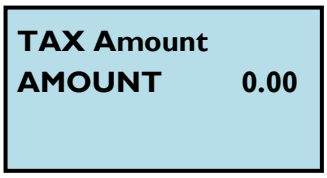
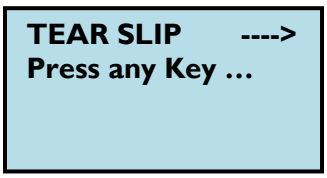
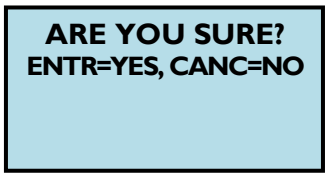
11.	This is a feature of **Commercial Cards**. Enter the additional information required for commercial cards then press **[ENTER]**.	
12.	When prompted, enter the TAX Amount then press **[ENTER]**.	
13.	Press any key for the second receipt to be printed. If a second receipt is not wanted, press **[CANCEL]**.	
14.	Press **[ENTER]** for no receipt. *OR* Press **[CANCEL]** to print the second receipt.	
15.	**Stop.**	

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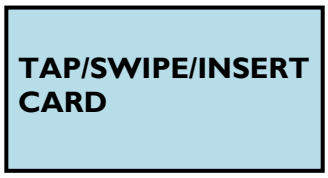
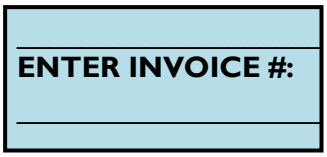
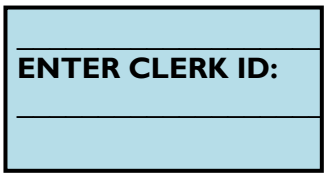
Credit Forced

Note

When authorization has previously been obtained via an AUTH transaction or via Voice Authorization, a Forced Sale must be performed to complete the transaction and receive payment.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle prompt.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/Tap or manually enter the card number when prompted.	
4.	Input the authorization number previously obtained then press **[ENTER].**	
5.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	
6.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	

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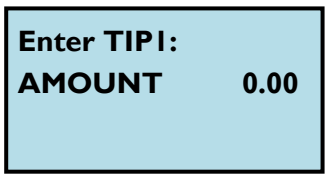
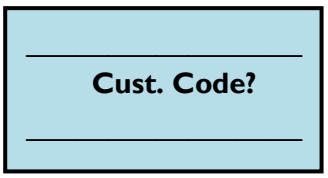
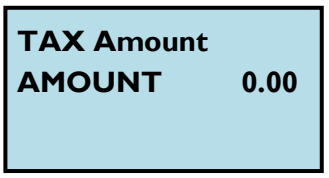
7.	This prompt occurs when the **Tip Option** feature is turned on. Input the amount for tip on the Keypad then press **[ENTER].**	
8.	This prompt occurs when the **Card Present Mode** feature is turned on. Press **[1]** if the card is present. *OR* Press **[2]** if the card is not present.	
9.	This is a feature of **Commercial Cards**. Enter the additional information required for commercial cards then press **[ENTER]**.	
10.	When prompted, enter the TAX Amount then press **[ENTER]**.	
11.	If it is an online transaction, the terminal contacts the Host Processor for an approval and delivers the message to the ECR, and the ECR will print the receipt. OR If it is an offline transaction, the terminal will store the information of the transaction and deliver the message to ECR, ECR will print the receipt.	
12.	**Stop.**	

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4.1.5 Credit Void Sale

Note

To void a sale is to nullify an approved transaction, one that has already been authorized but not settled. If the transaction has already been settled, a RETURN must be processed. A VOID does not remove the hold on the customer's open-to-buy.

STEP	ACTION	DISPLAY
1.	Make sure the terminal is at the idle screen.	
1.1	The ECR system will send the transaction message to the terminal.	
1.2	If Void Sale is password protected, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
2.	Swipe/Insert/Tap or manually enter the card number when prompted.	**TAP/SWIPE/INSERT CARD**
3.	Input the transaction # to be voided.	**Enter Trans #:** 12
4.	The terminal searches the database for a Sale transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	

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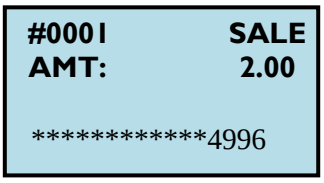
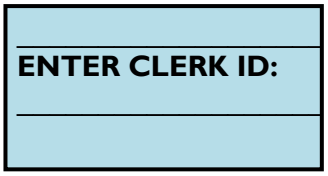
5.	View the transaction on the display to verify it is the correct transaction then Press **[ENTER]**	
6.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
7.	The terminal contacts the Host Processor for an approval (If necessary) and then sends the message to the ECR. The ECR will then print the receipt.	
8.	**Stop.**	

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4.1.6 Credit Void Return

Note

A RETURN transaction processed in error can be VOIDED if the RETURN has not been batched out. This will nullify the RETURN previously done in the same batch.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
1.1	The ECR system will send the transaction message to the terminal.	
1.2	If Void Return is password protected, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
2.	Swipe/Insert/Tap or manually enter the card number when prompted.	**TAP/SWIPE/INSERT CARD**
2.1	If the security for **Card Manually Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
3.	Input the transaction # to be voided.	**Enter Trans #:** 12

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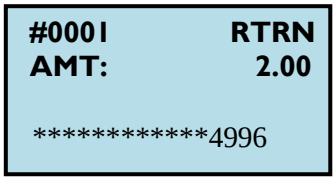
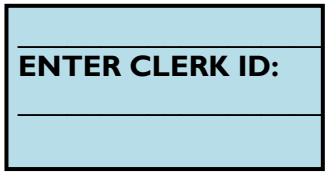
4.	The terminal searches the database for a Return transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	
5.	View the transaction on the display to verify it is the correct transaction then Press **[ENTER]**	
6.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
7.	If it is an online transaction, the terminal contacts the Host Processor for an approval and deliver the message to ECR, ECR will print the receipt OR If it is an offline transaction, the terminal will store the information of the transaction and deliver the message to ECR, ECR will print the receipt	
8.	**Stop.**	

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4.1.7 Credit Void Post-Auth

Note

A Post-Auth sale can be VOIDED if the transaction is in the current open batch. A VOID/POST-AUTH does remove any hold on the customer's open-to-buy.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
1.1	The ECR system will send the transaction message to the terminal.	
1.2	If Void Forced is password protected, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
2.	Swipe/Insert/Tap or manually enter the card number when prompted.	**TAP/SWIPE/INSERT CARD**
2.1	If the security for **Card Manually Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
3.	Input the transaction # to be voided.	**Enter Trans #:** 12

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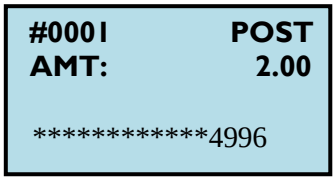
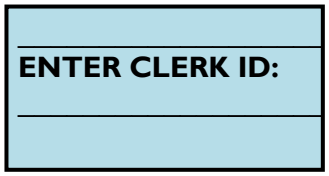
4.	The terminal searches the database for a Forced transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	
5.	View the transaction on the display to verify it is the correct transaction then Press **[ENTER]**	
6.	This prompt only occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
7.	If it is an online transaction, the terminal contacts the Host Processor for an approval and deliver the message to ECR, ECR will print the receipt OR If it is an offline transaction, the terminal will store the information of the transaction and deliver the message to ECR, ECR will print the receipt.	
8.	**Stop.**	

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4.1.8 Credit Void Forced

Note

A FORCED sale can be VOIDED if the transaction is in the current open batch. A VOID/FORCED does remove any hold on the customer's open-to-buy.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
1.1	The ECR system will send the transaction message to the terminal.	
1.2	If Void Forced is password protected, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
2.	Swipe/Insert/Tap or manually enter the card number when prompted.	**TAP/SWIPE/INSERT CARD**
2.1	If the security for **Card Manually Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	**ENTER PASSWORD:**
3.	Input the transaction # to be voided.	**Enter Trans #:** 12

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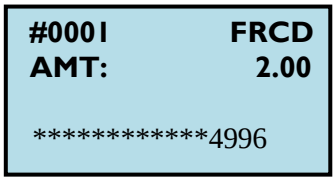
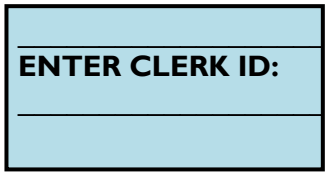
4.	The terminal searches the database for a Forced transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	
5.	View the transaction on the display to verify it is the correct transaction then Press **[ENTER]**	
6.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
7.	If it is an online transaction, the terminal contacts the Host Processor for an approval and deliver the message to ECR, ECR will print the receipt OR If it is an offline transaction, the terminal will store the information of the transaction and deliver the message to ECR, ECR will print the receipt.	
8.	**Stop.**	

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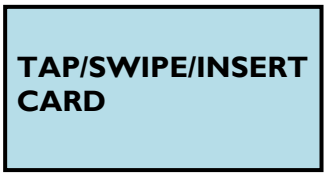
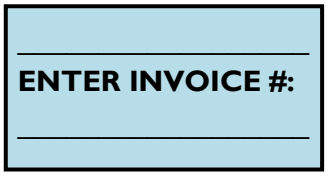
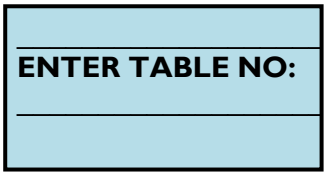
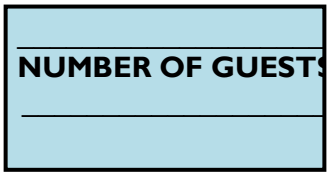
4.2 Debit Transaction

4.2.1 Debit Sale

Note

A Debit Card Sale must be completed by swiping the customer's debit card through the card reader. Manually entered debit transactions are not allowed.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/ or Tap the card. Please note the Debit transactions can never be manually input.	
4.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	
5.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
6.	This prompt occurs when the **Table Mode** feature is turned on. When prompted, enter the table number then press **[ENTER]**.	
7.	This prompt occurs when the **Guest No. Mode** feature is turned on. When prompted, enter the number of guests then press **[ENTER]**.	

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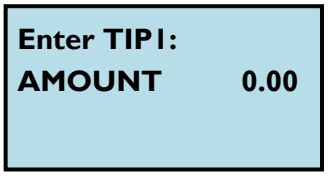
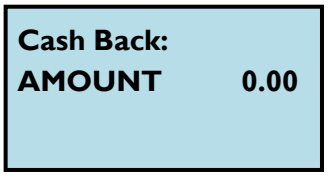
8.	This prompt occurs when the **Tip Option** feature is turned on. Input the amount for tip on the Keypad then press **[ENTER].**	
9.	This prompt occurs when the **CashBack Prompt** is turned on. Input the amount for cash back on the Keypad then press **[ENTER].**	
10.	Input the PIN on the Keypad then press **[ENTER].**	
11.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
12.	Stop	

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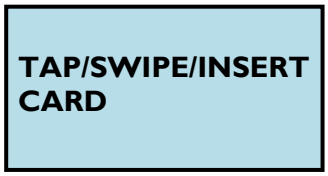
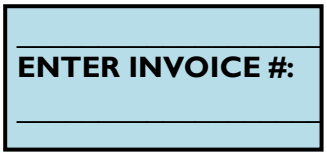
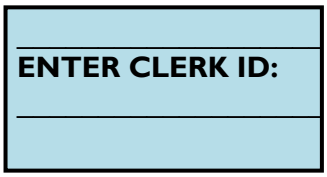
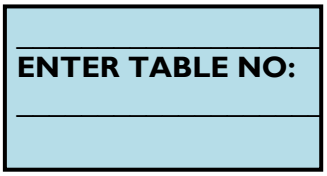
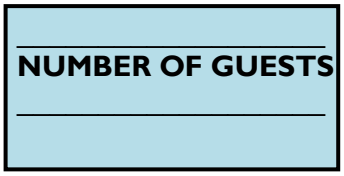
4.2.2 Debit Return

Note

A debit transaction cannot be voided but it can be returned. Just like a Debit Sale, the card must be swiped to perform a Debit RETURN.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/ or Tap the card. Please note the Debit transactions can never be manually input.	
4.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	
5.	This prompt occurs when the **Clerk/Server ID Mode** is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
6.	This prompt occurs when the **Table Mode** feature is turned on. When prompted, enter the table number then press **[ENTER]**.	
7.	This prompt occurs when the **Guest No. Mode** feature is turned on. When prompted, enter the number of guests then press **[ENTER]**.	

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8.	Input the PIN on the Keypad then press **[ENTER].**	**AMT $2.00** **Enter PIN:** ********
9.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
10.	**Stop.**	

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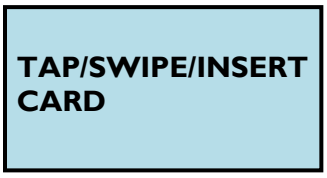
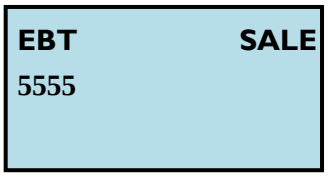
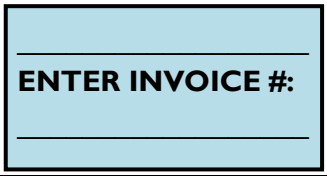
4.3 EBT Transaction

4.3.1 EBT Sale

Note

EBT or Electronic Benefits Transfer is an electronic system that authorizes the issuant to use their government provided benefits to purchase food items or make use of the Cash Benefits feature. EBT transactions can be swiped or manually entered.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
2.1	Swipe/Insert/Tap or manually enter the card number when prompted.	
2.2	If the security for **Card Manual Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	
2.3	Manually keying the full account number then press **[ENTER]**. The account number must be between 8-19 digits.	
5.	This prompt occurs when **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	

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<table>
<tr><td>6.</td><td>This prompt occurs when the Clerk/Server ID Mode feature is turned on. When prompted, enter the clerk/server ID then press [ENTER].</td><td>ENTER CLERK ID:</td></tr>
<tr><td>7.</td><td colspan="2"><table>
<tr><th>If Selected</th><th>Then</th></tr>
<tr><td>Food Stamp</td><td>Proceed to #9, & then skip to step #12.</td></tr>
<tr><td>Cash Benefit</td><td>Proceed to #8 & #9 & then skip to #12.</td></tr>
<tr><td>Voucher</td><td>Skip to step #11.</td></tr>
</table></td></tr>
<tr><td>8.</td><td>The terminal will now Prompt you to enter a Cash Back amount or press [ENTER] to bypass.</td><td>Cash Back:
AMOUNT 0.00</td></tr>
<tr><td>9.</td><td>Input the PIN on the Keypad then press [ENTER].</td><td>AMT $2.00
Enter PIN:
****</td></tr>
<tr><td>10.</td><td>Enter the Voucher number then press [ENTER].</td><td>Voucher Number:</td></tr>
<tr><td>11.</td><td>Enter the Authorization number then press [ENTER].</td><td>Enter Auth #:</td></tr>
<tr><td>12.</td><td colspan="2">The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.</td></tr>
<tr><td>13.</td><td colspan="2">Stop.</td></tr>
</table>

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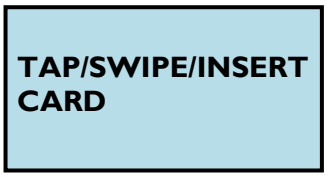
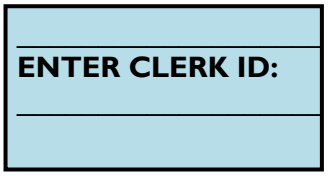
4.3.2 EBT Return

Note

An EBT RETURN is the reversal of an approved and settled transaction. A RETURN refunds back to the customer's EBT card, if the transaction has not already been settled. EBT return is only for Food Stamps.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/Tap or manually enter the card number when prompted.	
4.	This prompt occurs when **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
5.	Input the PIN on the Keypad then press **[ENTER].**	
8.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
9.	**Stop.**	

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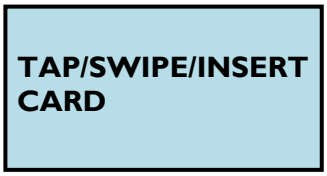
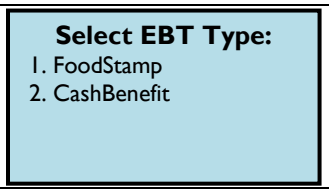
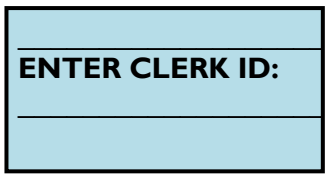
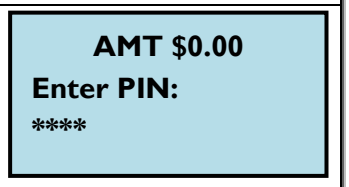
4.3.3 EBT Balance Inquiry

Note

Balance Inquiry transaction is used for inquiring about the available balance of an EBT account.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/Tap or manually enter the card number when prompted.	
4.	Press **[1]** for Food Stamp *OR* Press **[2]** for Cash Benefit	
5.	This prompt occurs when the **Clerk/Server ID Mode** is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
6.	Input the PIN on the Keypad then press **[ENTER].**	
7.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
8.	**Stop.**	

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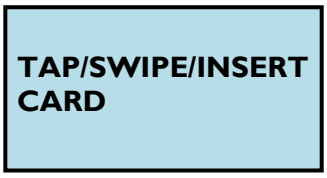
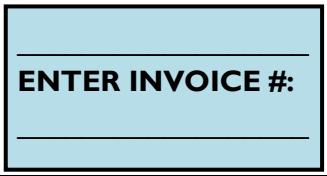
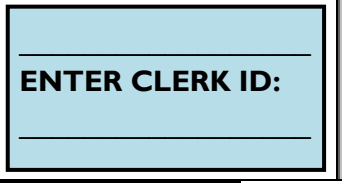
4.4 Gift Transaction

4.4.1 Gift Sale

Note

Gift Cards are cards that are sponsored by individual Merchants. They allow the customer to purchase items or services using the card as payment.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
2.1	Swipe/Tap/Insert the Gift Card.	
2.2	If the security for **Card Manual Entry** is on, the terminal will prompt for the manager password. When prompted, enter the password and then press **[ENTER]**.	
2.3	Manually keying the full account number then press **[ENTER]**. The account number must be between 13-16 digits.	
3.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, input the invoice number on the Keypad then press **[ENTER].**	
4.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, input the Clerk/Server ID on the Keypad then press **[ENTER].**	

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5.	This prompt occurs when the **Tip Option** feature is turned on. Input the amount for tip on the Keypad then press **[ENTER].**	Enter TIP1: AMOUNT 0.00
6.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
7.	**Stop.**	

4.4.2 Gift Return

Note

A Gift RETURN is the reversal of an approved and settled Gift Card transaction.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Tap/Insert the Gift Card.	TAP/SWIPE/INSERT CARD
4.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	ENTER INVOICE #:

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5.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	**ENTER CLERK ID:**
6.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
7.	**Stop.**	

4.4.3 Gift Add Value

Note

Use the Add Value function to add credit to the available balance of an active Gift Card.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Tap/Insert the Gift Card.	**TAP/SWIPE/INSERT CARD**
4.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	**ENTER INVOICE #:**

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5.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	**ENTER CLERK ID:**
6.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
7.	**Stop.**	

4.4.4 Gift Issue

Note

Use the Issue function to issue a gift card.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Tap/Insert the Gift Card.	**TAP/SWIPE/INSERT CARD**
4.	This prompt occurs when the **Invoice Mode** feature is turned on. When prompted, enter the invoice No. then press **[ENTER]**.	**ENTER INVOICE #:**

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5.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	**ENTER CLERK ID:**
6.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
7.	**Stop.**	

4.4.5 Gift Void

Note

To do a Gift Void is to nullify an approved Gift transaction, including Gift Sale, Gift Return, Gift Add Value and Gift Issue.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Tap/Insert the Gift Card.	**TAP/SWIPE/INSERT CARD**
4.	The terminal searches the database for a Sale transaction that matches the criteria. Once found, the terminal processes the transaction. If the terminal does not find the transaction, it displays "**TRANS NOT FOUND!**" and reverts back to the main screen.	

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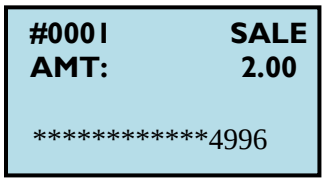
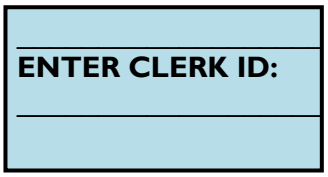
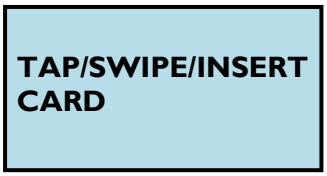
5.	View the transaction on the display to verify it is the correct transaction then Press **[ENTER]**.	
6.	This prompt occurs when the **Clerk/Server ID Mode** feature is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	
7.	The terminal contacts the Host Processor for an approval (if necessary) and passes that to the ECR. The ECR Prints the receipts.	
8.	**Stop.**	

4.4.6 Gift Balance Inquiry

Note

The Balance Inquiry transaction is used for inquiring about the balance of Gift Cards.

STEP	ACTION	DISPLAY
1.	Ensure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Tap/Insert the Gift Card.	

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4.	This prompt occurs when the **Clerk/Server ID Mode** is turned on. When prompted, enter the clerk/server ID then press **[ENTER]**.	**ENTER CLERK ID:**
5.	The terminal will contact the Host Processor for the balance available on the card and then passes it to the ECR. The ECR will print the receipt.	
6.	**Stop.**	

4.5 Commercial Cards

Note

Depending upon the Credit Host processor and preloaded BIN range table, Commercial credit cards will prompt for additional information when processing.

STEP	ACTION	DISPLAY
1.	Be sure the terminal is at the idle screen.	
2.	The ECR system will send the transaction message to the terminal.	
3.	Swipe/Insert/ or Tap the card.	**TAP/SWIPE/INSERT CARD**
4.	If the account number was manually entered, the terminal will ask if the card is present. Depending on the user's response the terminal will prompt for V-code and other AVS settings. Enter the information for all AVS and V-Code prompts.	

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5.	Enter the Customer Code then press **[ENTER]**. *OR* Press **[ENTER]** to bypass.	Cust. Code ?
6.	Enter the Tax Amount then press **[ENTER]**. *OR* Press **[ENTER]** to bypass. Continue to next step if tax amount was entered or skip to Step #9 if tax amount was bypassed.	TAX AMOUNT: AMOUNT 0.00
7.	If the entered tax amount exceeds the user input amount the terminal will display the warning.	TAX EXCEED AMT.
8.	Enter the correct tax amount then press [ENTER]. OR Press [CANCEL] to cancel transaction OR Press [ENTER] to bypass.	TAX AMOUNT 0.00
9.	The terminal contacts the Host Processor for an approval and passes that to the ECR. The ECR Prints the receipts.	
10.	**Stop.**	

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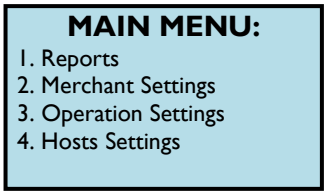
5. Main Menu

Note

Your POS Terminal menu options allow you to control some terminal settings without the inconvenience of reprogramming. You can choose the options that work best for your business. The menus are divided into main menu options, which have submenu options. You can access your terminal's menu by pressing the **[MENU]** button.

5.1 Accessing the Main Menu

STEP	ACTION	DISPLAY
1.	From the Idle Prompt press **[O]**.	
2.	Terminal will prompt for the System Password. Input the password to access the menu.	
3.	Use the **[F1] & [F2]** keys to scroll through the options then press **[O]** to select. *OR* Press the number on the keypad that corresponds with your selection.	
4.	Press **[]** to return to the Idle Prompt.	
5.	**Stop.**	

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5.2 Main Menu Options

Note
The items available in the terminal's main menu are:

NO.	NAME	DESCRIPTION
1	**Display Trans.**	Allows you to view transactions on the terminal.
2	**Merchant Settings**	Set security, authorization, receipt header and trailer, etc.
3	**Operation Settings**	Set receipt printing options, Store & Forward settings, connected peripherals, etc.
4	**Hosts Settings**	View or modify merchant and terminal IDs, authorization and batch phone numbers, print EDC Report.
5	**System Settings**	Time & Date, PIN Pad options, Encryption keys, Fraud Control, etc.
6	**Communications**	Configure communication parameters and settings.

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5.3 Display Transactions

5.3.1 Review

The Review menu option allows the user to see all of the transactions recorded on the D200. Transactions are separated by EDC type and the user can also view the total amount

STEP	ACTION	DISPLAY
1.	From the Idle Prompt press **[O]**.	
2.	Terminal will prompt for the System Password. Input the password to access the menu.	**ENTER PASSWORD**
3.	Use the **[F1] & [F2]** keys to scroll through the options then press **[ENTER]** to select. *OR* Press 1 to select Display Transactions	**MAIN MENU:** 1. Display Trans 2. Merchant Settings 3. Operation Settings 4. Hosts Settings
4.	Use the **[F1] & [F2]** keys to scroll through the options then press **[ENTER]** to select. *OR* Press 1 to select Review	**Display Trans** 1. Review 2. Find
5.	Terminal will prompt for the System Password. Input the password to access the menu.	**ENTER PASSWORD**

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6.	Scroll through the EDC Type options then press **[O]** to select. *OR* Press the number corresponding with your selection.	**Scroll Totals <>** 1. Credit 250.00 2. Debit 75.00 3. Gift 125.00 4. Totals 450.00
7.	View details of transactions. Use the **[F1]** & **[F2]** keys to scroll to a different transaction.	#0001 SALE **AMT: 125.00** **************1212**
8.	Press **[X]** to go back	
9.	**Stop.**	

5.3.2 Find

The find option is used to find information on specific transactions. Transactions are looked up using the last four digits of the card.

STEP	ACTION	DISPLAY
1.	From the Idle Prompt press **[O]**.	
2.	Terminal will prompt for the System Password. Input the password to access the menu.	**ENTER PASSWORD**
3.	Use the **[F1] & [F2]** keys to scroll through the options then press **[ENTER]** to select. *OR* Press 1 to select Display Transactions	**MAIN MENU:** 1. Display Trans 2. Merchant Settings 3. Operation Settings 4. Hosts Settings

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4.	Use the **[F1] & [F2]** keys to scroll through the options then press **[ENTER]** to select. *OR* Press 2 to select Find	**Display Trans** 1. Review 2. Find
5.	Terminal will prompt for the System Password. Input the password to access the menu.	**ENTER PASSWORD**
6.	Input the Last 4 digits of the card the user wants to view.	**Last 4 Digits**
7.	The Terminal will display the transaction requested	#0001 SALE **AMT: 125.00** **********1212
8.	Press **[X]** to go back	
9.	**Stop.**	

5.4 Merchant Settings

This menu contains six different functions that can be changed manually, if necessary. They are:

- ❑ Authorizations
- ❑ Security Settings
- ❑ Merchant Fee
- ❑ Credit Surcharge
- ❑ Set Batch Time
- ❑ Additional Prompts

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5.4.1 Authorizations

5.4.1.1 Trans. Types

Note

This function enables, disables or sets password protection for specific transaction types, such as Voids, Returns, Forced Sales, etc. For all EDC Types the Sale transaction cannot be disabled or password protected. Some transaction types are disabled by the Host and cannot be enabled.

STEP	ACTION	DISPLAY
1.	From the Main Menu press **[2]** to access Merchant Settings	**MAIN MENU:** 1. Reports 2. Merchant Settings 3. Operation Settings 4. Hosts Settings
2.	Press **[1]** to access Authorization	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer

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Transaction Type, Continued

STEP	ACTION	DISPLAY
3.	Input the Password and press **[O]**	**ENTER PASSWORD:**
4.	Press **[1]** to edit authorization for Transaction Types	**AUTHORIZATION** 1. Trans. Types 2. Card Types 3. Debit Prompt
5.	Use the **[F1]** & **[F2]** keys to scroll through the EDC Type options then press **[O]** to select. *OR* Press the number corresponding with your selection.	**SELECT PMT TYPE:** 1. CREDIT 2. DEBIT 3. EBT 4. GIFT
6.	Scroll to select the Transaction Type then press **[O].** *OR* Press the number corresponding with your selection.	**CREDIT** 1. FORCED (EN) 2. AUTH (EN) 3. RETURN (EN) 4. VOID/SALE (EN) Information in the parenthesis is the current setting EN – Always Enabled DIS – Disabled MGR – Password Protected
7.	Scroll to select Enable, Disable or Manager Only for the Transaction Type then press **[O].** *OR* Press the number corresponding with your selection.	**CREDIT FORCED** 1. Disabled 2. Always Enabled 3. Pswd Protected
8.	**Stop.**	

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5.4.1.2 Card Types

Note

This function allows the user to enable or disable specific card types, such as Visa, MasterCard and American Express.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[1]** to access Authorizations	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[2]** to edit authorization for Card Types	**AUTHORIZATION** 1. Trans. Types 2. Card Types 3. Debit Prompt
4.	Use the **[F1]** & **[F2]** keys to select the Card Type then press **[O].** *OR,* Press the number corresponding with your selection	**Choose Card Type** 1. Visa + 2. MasterCard + 3. AMEX + 4. DCI-DISC +
5.	Scroll to select Enable or Disable for Card Type then press **[O].** *OR* Press the number corresponding with your selection.	**Visa +** 1. Disabled 2. Always Enabled * A '+' indicates the card type is enabled and a '-'indicates disabled.
6.	**Stop.**	

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5.4.1.3 Debit Prompt

Note

When this function is enabled the terminal will prompt the user to select CREDIT or DEBIT when a card is swiped. It will only prompt the user to make a selection when the payment type is CREDIT. And it will be invalid for choosing debit when it is in on paper mode.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[1]** to access Authorizations	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[3]** to select Debit Prompt	**AUTHORIZATION** 1. Trans. Types 2. Card Types 3. Debit Prompt
4.	Current setting is displayed in the first line. Press **[1]** to turn Debit Prompt OFF. *OR* Press **[2]** to turn Debit Prompt ON.	**DEBIT PROMPT: I** 1. OFF 2. ON
5.	**Stop.**	

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5.4.2 Security Settings

The Security settings menu has four sub-menus. See the chart below option information.

- User Password
- Batch
- Secure Card
- Card Manual Entry

FUNCTION	OPTIONS
User Password	• Set the User to set a defined password
Batch	• Always Enabled • Password Protected (Manager Only)
Secure Card	• No Security • Last 4 Digits – Manually enter last four digits of account number and to be compared with the last four digits swiped(Default setting) • All Digits – Manually enter the complete account number and to be compared with the account number swiped • Display Account – Account number swiped is displayed on screen and to be compared against the embossed account number by the user • Last 4 Digits & Display Account – Manually enter last four digits of account number, to be compared with the last four digits swiped, and, Account number swiped is displayed on screen and to be compared against the embossed account number by the user • All Digits & Display Account – Manually enter the complete account number, to be compared with the account number swiped, and, Account number swiped is displayed on screen and to be compared against the embossed account number by the user
Card Manual Entry	• Disabled • Always Enabled(Default setting) • Password Protected

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5.4.2.1 User Password

Note

This function allows you to set a user specified password. The POS Terminal POS terminal password defaults to the current date (MMDDYYYY). This password changes daily.
It is advised that this default password be changed upon receipt of the terminal. The new password should be a series of eight non-sequential numbers that can be easily remembered. Using birthdays or anniversaries is not advised as unauthorized persons can easily discover these passwords.
If the new User Password is forgotten, you must redownload the Parameters to re-establish the default password.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu press **[2]** for Security Settings.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Press **[1]** for User Password.	**SECURITY SWITCH:** 1. User Password 2. Batch 3. Secure Card
3.	Press **[O]** to change the password.	**Change Password?** **ENTR=YES, CANC=NO**
4.	The password is anything other than the default password (MMDDYYYY), enter the **OLD** password then press **[O]**.	**Old Password:**
5.	Enter the **NEW** password then press **[O]**. **Note:** The password must be one to sixteen digits in length.	**ENTER PASSWORD:** **********

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6.	Re-enter the **NEW** password then press **[O]**.	**REENTER PASSWORD** **********
7.	**Stop.**	

5.4.2.2 Batch Security

Note

Use this sub-menu to secure the Batch function.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[2]** to access Security Settings.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Press **[2]** to secure the Batch function.	**SECURITY SWITCH:** 1. User Password 2. Batch 3. Secure Card
3.	Press **[1]** to Password Protect the function *OR* Press **[2]** to enable the function.	**Batch:1** 1. Pswd Protected 2. Always Enabled
4.	**Stop.**	

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5.4.2.3 Secure Card

Note

Use this sub-menu to change the settings to help you to verify that the account number swiped matches the number on the front of the card.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[2]** to access Security Settings.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Press **[4]** for Secure Card.	**SECURITY SWITCH:** 1. User Password 2. Batch 3. Secure Card
3.	The current setting is displayed in the first line. Scroll to select the option then press **[O]**.	**Secure Card: 1** 1. No Security 2. Last 4 Digits 3. All Digits 4. Display Account
4.	**Stop.**	

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5.4.2.4 Card Manual Entry

Note

Use this sub-menu to enable, disable or password protect manual entry of a credit transaction.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[2]** to access Security Settings.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Edit Header 4. Edit Trailer
2.	Press **[4]** for Card manual Entry.	**SECURITY SWITCH:** 2. Batch 3. Secure Card 4. Card Man. Entry
3.	Press **[1]** for all EDC types. *OR* Select the specific EDC type.	**SELECT PMT TYPE:** 1. ALL 2. CREDIT 3. EBT 4. CHECK
4.	Enter the password then press **[ENTER]**.	**ENTER PASSWORD:**
5.	Scroll to select the option then press **[ENTER]**.	**Card Man. Entry:2** 1. Disabled 2. Always Enabled 3. Pswd Protected
6.	**Stop.**	

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5.4.3 Merchant Fee

Note

This Menu option allows you to set a fee for credit or debit card processing.

STEP	ACTION	DISPLAY
1.	From the Merchant Setting Menu use the **[F1]** & **[F2]** to navigate to Merchant Fee. Or press the number 3 and then **[O]** to access the menu option.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Merchant Fee 4. Credit Surcharge
2.	Input the System Password and press **[O]**	**ENTER PASSWORD**
3.	Enter the amount you want added to transactions and press **[O]**	Merchant Fee: 0.00 New Rate: 0.50
4.	Press **[O]** to accept the amount or **[X]** to cancel the change	Are you Sure? Enter = Yes Cancel = No
5.	Select if you want the Fee to apply to Cash back only or all transactions. Note the number after the colon describes how that option is currently configured.	Cash Back Only?; 2 1. Yes 2. No
6.	**Stop.**	

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5.4.4 Set Surcharge Fee

Note

This option allows you to configure Credit Surcharge settings. It includes the ability to set either a flat fee or a percentage, allows for the choice of whichever is higher, and allows for a confirmation prompt to be enabled.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[4]** to enter the sub menu.	**MERCHANT PARAMS:** 1. Authorizations 2. Security Settings 3. Merchant Fee 4. Credit Surcharge
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Scroll to the option you wish to modify and press **[O]**.	**SURCHARGE FEE** 1. Mode 2. Flat Fee 3. Percentage 4. Surcharge Name 5. Surcharge Prompt
4.	**Mode** – Determines how the surcharge will be applied. Options are; Flat Fee, Percentage, and Highest. **Flat Fee** -- Adds a set amount to each transaction. **Percentage** -- Adds a percentage of the transaction to each transaction. **Highest** -- Chooses whichever is going to be the largest amount (Percentage or Flat Fee) and applies that to the transaction. **Surcharge Name** – This option allows you to change what the fee is called. **Surcharge Prompt** – This option if enabled prompts the user whether or not to accept the additional surcharge.	
5.	**Stop.**	

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5.4.5 Set Batch Time

Note

This function sets the specific time the terminal prints a batch report and clears its memory for the next day. Set Batch Time is for Host Based Auto Batch EDC types only. The Host is not contacted during this process. Please note the batched transactions are cleared from memory with the first transaction of the new batch.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[5]** to set the batch time.	**MERCHANT PARAMS:** 2. Security Settings 3. Edit Header 4. Edit Trailer 5. Set Batch Time
2.	Input the Password and pre**ss [ENTER]**	**ENTER PASSWORD:**
3.	**If AutoBatch is** / **Then** supported by Host / Proceed to #5, not supported by Host / Than skip to #7.	
4.	Select whether to enable auto batch	**AUTO BATCH:1** 1. OFF 2. ON
5.	Input the desired time in military (24-hour) time and press **[ENTER]**	**SET BATCH TIME:** **05:30**

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6.	"Auto Batch" is not supported by Host.	**NO AUTOBATCH**
7.	**Stop.**	

5.4.6 Additional Prompts

This menu contains different functions that can be enabled or disabled. They are:

MENU DESCRIPTION

- ❑ CashBack Prompt
- ❑ Tax Prompt
- ❑ Order No. Prompt
- ❑ Table Mode(RESTAURANT)
- ❑ Guest No. Mode(RESTAURANT)

5.4.6.1 CashBack Prompt

Note

This feature enables or disables a prompt on screen that will ask if the user desires Cash Back when processing using a Debit Card.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[6]** to set the Additional Prompts.	**MERCHANT PARAMS:** 3. Merchant Fee 4. Credit Surcharge 5. Set Batch Time 6. Additional Prompts
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	The display represents a retail setup. Press **[1]** to select CashBack Prompt.	**Additional Prmpt** 1. CashBack Prompt 2. Tax Prompt 3. Order No. Prompt

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CashBack Prompt, Continued

STEP	ACTION	DISPLAY
4.	The default setting is OFF. Press **[1]** to disable CashBack Prompt. *OR* Press **[2]** to enable CashBack Prompt.	**CashBack Prompt: 1** 1. OFF 2. ON
5.	**Stop.**	

5.4.6.2 Tax Prompt

Note

Tax Prompt is used to request the amount of tax that was applied to a transaction. If the prompt is enabled it will request that the tax amount be entered for every transaction. You can bypass entering the amount by pressing **[O]** when prompted.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu, press **[6]** to set the Additional Prompts.	**MERCHANT PARAMS:** 3. Merchant Fee 4. Credit Surcharge 5. Set Batch Time 6. Additional Prompts
2.	Input the Password and press **[ENTER]**.	**ENTER PASSWORD:**
3.	Press **[2]** for Tax Prompt.	**Additional Prmpt** 1. CashBack Prompt 2. Tax Prompt 3. Order No. Prompt

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Tax Prompt, Continued

STEP	ACTION	DISPLAY
4.	The defaulting setting is OFF. Press [1] to disable Tax Prompt OR Press [2] to enable Tax Prompt	**Tax Prompt:1** 1. OFF 2. ON
5.	**Stop.**	

5.4.6.3 Order No. Prompt

Note

Order number can be set to On, Off or Manual. If set to manual the terminal will prompt for the order number, if set to on the terminal will auto increment an order number.

STEP	ACTION	DISPLAY
1.	From the Merchant Settings menu press **[6]** for Additional Prompts.	**MERCHANT PARAMS:** 3. Merchant Fee 4. Credit Surcharge 5. Set Batch Time 6. Additional Prompts
2.	Input the Password and press **[ENTER]**.	**ENTER PASSWORD:**
3.	From the Additional Prompts Menu press **[3]** to select Order No. Prompt	**Additional Prompts** 1. CashBack Prompt 2. Tax Prompt 3. Order No. Prompt 4. Table Number

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4.	The defaulting setting is OFF. Press **[1]** to disable Order Number Prompt. *OR* Press **[2]** to enable Order Number Prompt. *OR* Press **[3]** to enable Manual Order Number input.	**Order No. Prompt:1** 1. OFF 2. ON 3. ON and MANUAL
5.	**Stop.**	

5.4.6.4 Table Mode

Note

Table mode can be disabled, enabled (terminal prompts for table number). This option is only applicable for Restaurant versions of the software.

STEP	ACTION	DISPLAY
6.	From the Merchant Settings menu press **[6]** for Additional Prompts.	**MERCHANT PARAMS:** 3. Merchant Fee 4. Credit Surcharge 5. Set Batch Time 6. Additional Prompts
7.	Input the Password and press **[ENTER]**.	**ENTER PASSWORD:**
8.	If there is no transaction in the terminal database, press **[4]** for Table Number.	**Additional Prompts** 1. CashBack Prompt 2. Tax Prompt 3. Order No. Prompt 4. Table Number

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9.	The default setting is OFF. Press **[1]** to disable Table Mode. *OR* Press **[2]** to enable Table Mode.	**Table Mode:1** 1. OFF 2. ON
10.	**Stop.**	

5.4.6.5 Guest No. Mode

Note

Guest No. Mode can be disabled, enabled (terminal prompts for guest number). This option is only applicable for Restaurant versions of the software.

STEP	ACTION	DISPLAY
11.	From the Merchant Settings menu press **[7]** for Additional Prompts.	**MERCHANT PARAMS:** 3. Merchant Fee 4. Credit Surcharge 5. Set Batch Time 6. Additional Prompts
12.	Input the Password and press **[ENTER]**.	**ENTER PASSWORD:**
13.	If there is no transaction in the terminal database, press **[6]** for Guest No. Mode	**Additional Prompts** 1. CashBack Prompt 2. Tax Prompt 3. Order No. Prompt 4. Table Number
14.	The defaulting setting is OFF. Press **[1]** to disable Guest No. Mode. *OR* Press **[2]** to enable Guest No. Mode.	**Guest No. Mode:1** 1. OFF 2. ON
15.	**Stop.**	

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5.5 Operation Settings

This Menu has six options that can be enabled or disabled, manually through the terminal.
They are:

MENU DESCRIPTION

- ❑ Buzzer Setup
- ❑ Operation Mode
- ❑ Battery Saver
- ❑ Halo Setup
- ❑ Peripherals
- ❑ Language Setting

5.5.1 Buzzer Setup

Note

This feature enables and disables the terminal's built-in buzzer, which sounds a tone when specific functions are performed or buttons are pressed.

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[1]** to access No Paper mode.	**OPER. SETTINGS:** 1. Buzzer Setup 2. Operation Mode 3. Battery Saver 4. Halo Setup
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	Use the **[F1]** & **[F2]** keys to your selection and then press **[ENTER].** *OR,* Press the number corresponding with your selection.	**BUZZER SETUP: 2** 1. OFF 2. ON
4.	**Stop.**	

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5.5.2 Operation Mode

Note

This feature sets the terminal to one of two modes: Normal Mode, which is used for real transactions and Demo Mode, which is used for training.
After working in Demo Mode, make sure to return to Normal Mode in order to perform real transactions

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[2]** for Operation Mode.	**OPER. SETTINGS:** 1. Buzzer Setup 2. Operation Mode 3. Battery Saver 4. Halo Setup
2.	Input the password and press **[O]**.	**ENTER PASSWORD:**
3.	Default setting is Normal Mode. Press **[1]** to enable Normal Mode. *OR* Press **[2]** to enable Demo Mode. **Note:** Switching modes will require you to batch the terminal.	**Operation Mode: 1** 1. Normal Mode 2. Demo Mode
4.	**Stop.**	

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5.5.3 Operation Mode

Note

This menu option controls the Battery Saver function. In Off mode the Battery Saver Function is disabled. In the Radio + Auto Off mode the Radio will be powered off after an idle time you set when choosing that mode of operation.
.

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[3]** for Operation Mode.	**OPER. SETTINGS:** 1. Buzzer Setup 2. Operation Mode 3. Battery Saver 4. Halo Setup
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	The defaulting setting is Radio+Auto Off. Use the **[F1]** & **[F2]** keys to make your selection and then press **[ENTER].** *OR,* Press the number corresponding with your selection	**Operation Mode:1** 1. OFF 2. Radio+Auto Off
4.	Press **[ENTER]** to accept the change. OR Press **[CANCEL]** to cancel.	**ARE YOU SURE?** **ENTR=YES, CANC=NO**
5.	**Stop.**	

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5.5.4 Halo Setup

Note

HALO refers to High Amount Lock Out. This function sets an upper limit on the dollar amount certain types of transactions can be. The transactions that can be limited are: Sale, Return, and Cash Back. All are configured by enabling Halo for sale, if you only desire a Halo for Returns just set the Sale and Cash Back Halo to 0.00

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[4]** for HALO Setup.	**OPER. SETTINGS:** 1. Buzzer Setup 2. Operation Mode 3. Battery Saver 4. Halo Setup
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	The defaulting setting is Off. Use the **[F1]** & **[F2]** keys to make your selection and then press **[O].** *OR,* Press the number corresponding with your selection	**Operation Mode:1** 1. OFF 2. ON
4.	Input the amount you want as your HALO, and then press the **[O]** button. The system will also ask you for HALO amounts for the other transactions types, just press the **[O]** button to skip.	HALO For Sale: New Rate 0.00 Old Rate 0.00
5.	Press **[ENTER]** to accept the change. OR Press **[CANCEL]** to cancel.	**ARE YOU SURE?** **ENTR=YES, CANC=NO**
6.	**Stop.**	

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5.5.5 Peripherals

Note

This Menu Option allows you to enable or disable the NFC Reader.

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[5]** for Peripheral.	**OPER. SETTINGS:** 2. Operation Mode 3. Battery Saver 4. Halo Setup 5. Peripherals
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **1** to choose Contactless Card Reader.	**PERIPHERALS:** 1. Contactless Card Reader
4.	The defaulting setting is Internal. Use the **[F1]** & **[F2]** keys to make your selection and then press **[O].** *OR*, Press the number corresponding with your selection	**CTLSS CRDRDR: 2** 1. OFF 2. Internal
5.	**Stop.**	

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5.5.6 Language Setup

Note

This Menu Option allows you to change the language that is displayed on the terminal, provided you have also installed the appropriate font files for that language.

STEP	ACTION	DISPLAY
1.	From the Operation Settings menu, press **[6]** to select Language Setup.	**OPER. SETTINGS:** 3. Battery Saver 4. Halo Setup 5. Peripherals 6. Language Setup
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	The default setting is English. Press the number corresponding with your selection.	**LANGUAGE: 1** 1. English 2. Chinese Simplified
4.	**Stop.**	

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5.6 Host Settings

This menu allows you to view/edit the Host Parameters; to include the Host URL's, and ports, as well as set the Auto Dial Parameters. You can also Batch the terminal from the Host Settings Menu.

MENU	❑ Hosts Parameters ❑ Hosts URL Params ❑ AutoDial Setup ❑ Host Register ❑ Batch Close
DESCRIPTION	

5.6.1 Host Parameters

Note

This function is used for editing host parameters. The Different Host Parameters vary widely depending on what application/host you are using for processing as a result, your options may not match the examples seen below.

STEP	ACTION	DISPLAY
1.	From the Hosts Settings menu press **[1]** to enter Host parameters.	**HOST PARAMS:** 1. Host Parameters 2. Host URL Parameters 3. AutoDial Setup 4. Host Register 5. Batch Close
2.	Input the Password and press **[O].**	**ENTER PASSWORD:**
3.	Scroll to select the host then press **[ENTER]**. **Note:** Only Dual Host applications will have to choose a Host to modify.	**SELECT HOST** 1. FDRCNV 2. Valuelink
4.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O].** Or Press the number corresponding with your selection.	**HOST PARAMS:** 1. Merchant ID 2. Bank ID 3. Terminal Type

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5.	Input the Parameter you selected.	**Merchant ID**
6.	**Stop.**	

5.6.2 Host URL Parameters

Note

This function is used for editing host URL Parameters.

STEP	ACTION	DISPLAY
1.	From the Hosts Settings menu press **[2]** to enter Host URL Parameters.	**HOST PARAMS:** 1. Host Parameters 2. Host URL Parameters 3. AutoDial Setup 4. Host Register 5. Batch Close
2.	Input the Password and press **[O].**	**ENTER PASSWORD:**
3.	Scroll to select the host then press **[O]**. **Note:** Only Dual Host applications will have to choose a Host to modify.	**SELECT HOST** 1. FDRCNV 2. Valuelink
4.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O].** Or Press the number corresponding with your selection.	**URL TYPE:** 1. Auth. URLs. 2. Batch URLs.
5.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O].** Or Press the number corresponding with your selection.	**AUTH URL:** 1. URL #1 2. URL #2

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6.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O].** Or Press the number corresponding with your selection.	**URL SETTINGS:** 1. Host URL 2. Host Port
7.	Use the **[<]** key to remove one character at a time, or the **[X]** key to remove all the characters. Input the correct characters by depressing the associated number keys until the correct character cycles on to the screen.	**EDIT URL:** support.datawire.net/nocporta
8.	If necessary repeat steps 6 and 7 above for the Host Port information.	
9.	**Stop.**	

5.6.3 AutoDial Setup

Note

The AutoDial function is the automatic execution of the manual batch process. If the terminal capture type is Host Manual or Terminal Capture, the AutoDial feature will automatically perform the manual batch function. AutoDial is not applicable if the terminal capture type is Host Capture.

STEP	ACTION	DISPLAY
1.	From the Hosts Settings menu press **[3]** to access AutoDial Setup.	**HOST PARAMS:** 1. Host Parameters 2. Host URL Parameters 3. AutoDial Setup 4. Host Register 5. Batch Close
2.	Input the Password and press **[ENTER].**	**ENTER PASSWORD:**

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3.	Scroll to select the host then press **[O]**. **Note:** Only Dual Host applications will have to choose a Host to modify.	**SELECT HOST** 1. FDRCNV 2. Valuelink
4.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O].** Or Press the number corresponding with your selection.	**AUTODIAL SETUP: 2** 1. ON 2. OFF
5.	If **[1]** is selected in step 4, enter the start time and then press **[O]**.	**START AD AT:** **HH:MM**
6.	Enter the stop time then press **[O]**. Stop time is usually one hour after start time.	**STOP AD AT:** **HH:MM**
7.	Enter the AutoDial time interval then press **[O]**. The interval is usually 5 minutes.	**AD INTERVAL:**
8.	**Stop.**	

5.6.4 Host Register

Note

This function is used in First Data applications only. It's used to allow the terminal to connect to Datawire.

STEP	ACTION	DISPLAY
1.	From the Hosts Settings menu press **[4]** to access Host Register.	**HOST PARAMS:** 1. Host Parameters 2. Host URL Parameters 3. AutoDial Setup 4. Host Register 5. Batch Close

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2.	Input the Password and press **[O].**	**ENTER PASSWORD:**
3.	Press the **[1]** key to select Provision and press **[O]**. The terminal will display Provisioning. And then Provision Successful.	**HOST REGISTER:** 1. Provision 2. Service Discovery
4.	Press the **[2]** key to select Service Discovery and press **[O]**. The terminal will display Programming Successful upon completion.	**HOST REGISTER:** 1. Provision 2. Service Discovery
5.	**Stop.**	

5.6.5 Batch Close

Note

The Batch Close function allows you to manually submit the transactions for funding, without the need for the POS system to send the command. This is particularly useful if you need to download an update and your POS system does not contain a method to batch the terminal.

STEP	ACTION	DISPLAY
1.	From the Hosts Settings menu press **[5]** to enter Close the Batch.	**HOST PARAMS:** 1. Host Parameters 2. Host URL Parameters 3. AutoDial Setup 4. Host Register 5. Batch Close
2.	Input the Password and press **[O].**	**ENTER PASSWORD:**

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3.	Scroll to select the host then press **[O]**. **Note:** Only Dual Host applications will have to choose a Host to modify.	**SELECT HOST** 1. FDRCNV 2. Valuelink
4.	The terminal will batch the terminal. It will display Batch Successful upon completion.	
5.	**Stop.**	

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5.7 System Settings

This menu consists of different functions that can be changed manually.

MENU DESCRIPTION

- ❑ Date/Time Setup
- ❑ Batch Number
- ❑ Working Mode
- ❑ Database
- ❑ Key Injection
- ❑ App Management
- ❑ TDES Keys Injection
- ❑ POS Register

5.7.1 Date/Time Setup

Note

All POS Terminals include an internal clock that keeps the time and date. The clock keeps time in a 24-hour or military format. This function sets the internal clock.

STEP	ACTION	DISPLAY
1.	From the Main Menu press **[5]** to access System Settings	**MAIN MENU:** 2. Merchant Settings 3. Operation Settings 4. Hosts Settings 5. System Settings
2.	Select option 1 Date/Time Setup, and Press **[O].**	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
3.	Verify that the current Date and/or Time are incorrect. Input the correct date using MM/DD/YYYY format. Input the correct hour and minutes and seconds using Military (24-hour) Format. Press **[O]** to save the modified settings.	**07/31/06** **MM/DD/YYYY** **10:02:49** **HH:MM:SS**
4.	**Stop**	

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5.7.2 Batch Number

Note

This menu option allows the batch number to be changed. Not all Host processors use batch numbers so this option may not be available. Verify the current or last closed batch number with the Host Processor before changing.

STEP	ACTION	DISPLAY
1.	From the System Settings menu press **[2]** to set batch number.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Scroll to select the host then press **[O]**. **Note:** Only Dual Host applications will have to choose a Host to modify.	**SELECT HOST** 1. FDRCNV 2. Valuelink
4.	The Terminal will display the current batch No. Input the New Batch # and press **[O]**	**New Batch No:** **1**
5.	Press **[O]** to complete *OR* Press **[X]** to cancel	**ARE YOU SURE?** **ENTR=YES, CANC=NO**
6.	**Stop.**	

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5.7.3 Working Mode

This sub-menu has three options. Not all options are available on all application types.

MENU DESCRIPTION	❑ EDC Tip ❑ Fraud Control ❑ MOTO

5.7.3.1 EDC Tip

Note

EDC Tip allows the user to enable/disable the active tips for individual EDC types.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[3]** for Working Mode.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
2.	Press 1 for EDC Tip or use the **[F1] & [F2]** keys to move to the option you want and press **[O]**.	**WORKING MODE:** 1. EDC Tip 2. Fraud Control 3. MOTO
3.	Input the Password and press **[O]**	**ENTER PASSWORD:**
4.	Press the number next to the EDC type you want to modify, or use the **[F1] & [F2]** keys to move to the option you want and press **[O]**.	**SELECT PMT TYPE:** 1. CREDIT 2. DEBIT 3. EBT 4. GIFT

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5.	Current setting is displayed in the first line. Press **[1]** to disable tips for the selected EDC type. OR Press **[2]** to enable tips for the selected EDC type.	**EDC Tip: 2** 1. OFF 2. ON
6.	**Stop.**	

5.7.3.2 Fraud Control Option

Note

These features, (listed below) provide the user with multiple options when setting the Fraud Control Option parameters for individual card types.

The following sub menu options can be found in the Fraud Control menu.

MENU DESCRIPTION

- ❑ AVS On Swipe
- ❑ AVS On Card Present
- ❑ AVS on Card Not Present
- ❑ Card Present
- ❑ V-Code

5.7.3.2.1 AVS on Swipe

Note

AVS on Swipe enables AVS prompts on all swiped transactions for individual Credit Card types or for all card types. This option may not be available on all applications.

OPTION	DEFINITION
None	There will be no AVS prompts(default)
Address	AVS will prompt for address only
Zip	AVS will prompt for zip code only
Address & Zip	AVS will prompt for address and zip code

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STEP	ACTION	DISPLAY
1.	From the Main Menu, press **[5]** for System Settings	**MAIN MENU:** 2. Merchant Settings 3. Operation Settings 4. Hosts Settings 5. System Settings
2.	Press **[3]** for Working Mode.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
3.	Press **[2]** for Fraud Control.	**WORKING MODE:** 1. EDC Tip 2. Fraud Control 3. MOTO.
4.	Input the Password and press **[ENTER]**.	**ENTER PASSWORD:**
5.	Press **[1]** to set the AVS On Swipe.	**Fraud Control** 1. AVS On Swipe 2. AVS On CardPrsnt 3. AVS OnCardNotPrsnt 4. Card Present
6.	Select the card type you wish to modify or press **[1]** for all card types.	**Select Card Type** 1. ALL 2. Visa 3. MasterCard 4. AMEX
7.	Press the number that corresponds to the desired AVS Prompt.	**AVS on Swipe** 1. None 2. Address 3. Zip 4. Address & Zip
8.	**Stop.**	

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5.7.3.2.2 AVS on Card Present

Note
AVS on Card Present is a feature that enables AVS prompts on all manual transactions where the card is present for individual Credit Card types or for all card types.

OPTION	DEFINITION
None	There will be no AVS prompts
Address	AVS will prompt for address only
Zip	AVS will prompt for zip code only(default)
Address & Zip	AVS will prompt for address and zip code

STEP	ACTION	DISPLAY
1.	From the Fraud Control menu press **[2]** to set AVS On Card Present.	**Fraud Control** 1. AVS On Swipe 2. AVS On CardPrsnt 3. AVS OnCardNotPrsnt 4. Card Present
2.	Select the card type you wish to modify or press **[1]** for all card types.	**Select Card Type** 1. ALL 2. Visa 3. MasterCard 4. AMEX
3.	Press the number that corresponds to the desired AVS Prompt.	**AVS on CardPr** 1. None 2. Address 3. Zip 4. Address&Zip
4.	**Stop.**	

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5.7.3.2.3 AVS on Card Not Present

Note
AVS on Card Not Present is a feature that enables AVS prompts on all manual transactions where the card is **not** present for individual Credit Card types or for all card types.

OPTION	DEFINITION
None	There will be no AVS prompts
Address	AVS will prompt for address only
Zip	AVS will prompt for zip code only
Address & Zip	AVS will prompt for address and zip code(default)

STEP	ACTION	DISPLAY
1.	From the Fraud Control menu press **[3]** to set AVS On Card Not Present.	**Fraud Control** 1. AVS On Swipe 2. AVS On CardPrsnt 3. AVS OnCardNotPrsnt 4. Card Present
2.	Select the card type you wish to modify or press **[1]** for all card types.	**Select Card Type** 1. ALL 2. Visa 3. MasterCard 4. AMEX
3.	Press the number that corresponds to the desired AVS Prompt.	**AVS on CardNPr** 1. None 2. Address 3. Zip 4. Address&Zip
4.	**Stop.**	

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5.7.3.2.4 Card Present

Note

On manual transactions, different data is required depending upon whether or not the card is present. This feature sets the option to assume the card **is** or **is not** present or to **ask** if the card is present.

OPTION	DEFINITION
No, If manual	It is assumed that the card is NOT present on all manual entry transactions.
Always Yes	It is assumed that the card is always present.
Ask, If manual	The terminal will ask if the card is present on all manual entry transactions.(default)

STEP	ACTION	DISPLAY
1.	From the Fraud Control menu press **[4]** to set the Card Present options.	**Fraud Control** 1. AVS On Swipe 2. AVS On CardPrsnt 3. AVS OnCardNotPrsnt 4. Card Present
2.	Select the card type you wish to modify or press **[1]** for all card types.	**Select Card Type** 1. ALL 2. Visa 3. MasterCard 4. AMEX
3.	Press the number that corresponds to the desired Card Present option.	**Card Present** 1. No, if manual 2. Always Yes 3. Ask, if manual
4.	**Stop.**	

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5.7.3.2.5 V-Code

Note
This feature enables the user to determine how to set up the CVV, CVC and CID security feature for individual card types or for all card types.

OPTION	DEFINITION
Off	Will not prompt for Code
On if Manual	Will prompt for Code on manual entry transactions(default)
On if Manual, Card not Present	Will prompt for Code if card is not present
On Always	Will always prompt for Code

STEP	ACTION	DISPLAY
1.	From the Fraud Control menu press **[5]** for V-Code.	**Fraud Control** 2. AVS On CardPrsnt 3. AVS OnCardNotPrsnt 4. Card Present 5. V-Code
2.	Select the card type you wish to modify or **press [1]** for all card types.	**Select Card Type** 1. ALL 2. Visa 3. MasterCard 4. AMEX
3.	Press the number that corresponds to the desired CVV Mode.	**V-Code** 1. OFF 2. On if manual 3. OnIfMan.CrdNotPrsnt 4. On always
4.	**Stop.**	

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5.7.3.3 MOTO

Note

This feature controls the enabling and disabling of MOTO.

STEP	ACTION	DISPLAY
1.	From the Main Menu, press **[5]** for System Settings	**MAIN MENU:** 2. Merchant Settings 3. Operation Settings 4. Hosts Settings 5. System Settings
2.	Press **[3]** for Working Mode.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
3.	Input the password and press **[O]**.	**ENTER PASSWORD:**
4.	Press **[3]** for MOTO.	**WORKING MODE:** 1. EDC Tip 2. Fraud Control 3. MOTO.
5.	The default setting is OFF. Press **[1]** to disable MOTO. *OR* Press **[2]** to enable MOTO.	**MOTO : 1** 1. OFF 2. ON
6.	**STOP.**	

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5.7.4 Database

This sub-menu has two options:

- ❑ Clear Database
- ❑ Clear Reversal

MENU DESCRIPTION

Care must be taken when making changes in the Database! This should only be done with the assistance of PAX Support personnel.

5.7.4.1 Clear Database

Note

It is possible the clear the database for each EDC type individually or all of them together. Before clearing the database, make sure there are receipts with the full account number for all of the transactions. If necessary, run a Journal Report.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[4]** for Edit Database.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	Press **[1]** for Clear Database	**EDIT DATABASE:** 1. Clear Database 2. Clear Reversal
4.	Press **[ENTER]** to continue *OR* Press **[CANCEL]** to cancel	**ARE YOU SURE?** **ENTER = YES CANCEL = NO**

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5.	Select EDC type you wish to clear the database for then press **[ENTER].** *OR* Press **[ENTER]** to clear all databases.	**SELECT PMT TYPE:** 1. ALL 2. CREDIT 3. DEBIT 4. EBT
6.	**Stop.**	

5.7.4.2 Clear Reversal

Note

If an authorization request is sent to host, but there is no response received, the terminal will try to reverse that transaction to avoid mistake. But sometimes it may happen that the reversal will never succeed. **This will make the terminal unable to process anymore transactions.** To avoid this situation, you can clear the reversal flag in this menu, so that the terminal will not try the reversal anymore.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[4]** for Edit Database.	**SYSTEM OPTIONS:** 1. Date/Time Setup 2. Batch Number 3. Working Mode 4. Database
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	Press **[2]** for Clear Reversal	**EDIT DATABASE:** 1. Clear Database 2. Clear Reversal
4.	Press **[ENTER]** to continue *OR* Press **[CANCEL]** to cancel	**ARE YOU SURE?** **ENTER = YES CANCEL = NO**
5.	**Stop.**	

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5.7.5 Key Injection

Note

This function allows you to inject encryption key(s) into the terminal to enable Debit or EBT.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[5]** to access the Key Injection function.	**SYSTEM OPTIONS:** 2. Batch Number 3. Working Mode 4. Database 5. Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	If you are ready to begin the injection, press the **[1]** key, the **[O]** key and go to step 5. If you need to set the Terminal Baud rate press the **[2]** and then the **[O]**.	**Key Injection:** 1. Start 2. Set Baudrate
4.	Select the appropriate Baudrate from the options by pressing the key corresponding with the Baudrate required. Then return to step 3.	**Baudrate 1200** 1. Set to 1200 2. Set to 2400 3. Set to 4800 4. Set to 9600
5.	**Stop.**	

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5.7.6 Application Management

This Sub Menu deals with the loading of Applications and Parameters onto the terminal. Below is a list of the various options and functions covered under this section:

MENU DESCRIPTION

- ❑ Activate
- ❑ App Update
- ❑ Configuration
- ❑ Terminal SN
- ❑ APP Info

Note

Use this function to access the App Management functions.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[6]** to Select App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[ENTER]**	**ENTER PASSWORD:**
3.	Use the **[F1]** & **[F2]** keys to find your selection and then press **[O]**. Or Press the number corresponding with your selection.	**APP LOAD** 1. Activate 2. App Update 3. Configuration 4. Terminal SN
4.	**Stop.**	

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5.7.6.1 Activate

Note
Use this function to activate the terminal in preparation for a download.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[6]** to Select App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[1]** to select Activate.	**APP LOAD** 1. Activate 2. App Update 3. Configuration 4. Terminal SN
4.	Press **[1]** for online activation. The terminal will connect to the specified TMS (BroadPOS or PAXTMS) and authenticate.	**ACTIVATE** 1. Online
5.	**Stop.**	

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5.7.6.2 App Update

Note

Use this function to download new applications and parameters from BroadPOS and/or the PAXTMS.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[6]** to Select the App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[2]** for App Update.	**APP LOAD** 1. Activate 2. App Update 3. Configuration 4. Terminal SN
4.	If there are transactions in the Batch the terminal will prompt the user to close the batch first.	**APP UPDATE** Trans remain in database please clear.
5.	Terminal displays "**Checking…**" while checking if there are available updates on the TMS.	**Checking…**
6.	If there is no available download, the Terminal displays "**No Available DownLD**".	**No Available DownLD.**

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7.	If there is a download available, the Terminal automatically starts the download process; and displays "**Downloading…**" with the download progress percentage. After finish downloading, the terminal displays "**Success**" and will reboot.
8.	**Stop.**

5.7.6.3 Configuration

Note

The configuration option allows you control of the type of TMS the terminal is going to use, as well as the correct communication settings.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[6]** to Select the App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[3]** for Configuration.	**APP LOAD** 1. Activate 2. App Update 3. Configuration 4. Terminal SN
4.	Press **[1]** to set Server URL and skip to Step 5. Press **[2]** to set Server Port and skip to Step 6. Press **[3]** To Choose the TMS Type.	**CONFIGURATIONS** 1. Server URL 2. Server Port 3. TMS Type

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5.	Set Server URL and press **[O]**.	**SERVER URL**
6.	Set Server Port and press **[O]**.	**SERVER PORT**
7.	**Stop.**	

5.7.6.4 Terminal SN

Note

This function displays the SN and other information of the terminal.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[6]** to Select the App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Press **[4]** for Terminal SN.	**APP LOAD** 1. Activate 2. App Update 3. Configuration 4. Terminal SN
4.	Screen displays the SN and other information of the terminal.	
5.	**Stop.**	

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5.7.7 TDES Key Injection

Note

This menu option allows you to input the TDES Key(s)

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[7]** to Select the App Management.	**SYSTEM OPTIONS:** 4. Database 5. Key Injection 6. App Management 7. TDES Key Injection
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Select Key Length and press **[O]**.	**SELECT KEY LEN:** 1. 8 2. 16 3. 24
4.	Input the correct key in hexadecimal format and press **[O]**.	**ENTER KEY(HEX):**
5.	**Stop.**	

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5.7.8 POS Register

Note
This option allows the terminal to store its IP address and S/N information for later retrieval by a POS System.

STEP	ACTION	DISPLAY
1.	From the System Settings menu, press **[8]** to Select the App Management.	**SYSTEM OPTIONS:** 5. Key Injection 6. App Management 7. TDES Key Injection 8. POS Register
2.	Input the Password and press **[O]**	**ENTER PASSWORD:**
3.	Terminal will connect to the network, connect to the server and upload the information.	**POS Register** Processing...
5.	**Stop.**	

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5.8 Communications

This Menu has following sub-menus pertaining to communication. These parameters affect communications during authorization and batching only.
The following features are part of the Communication Menu:

MENU DESCRIPTION

- ❑ Main Communication
- ❑ Backup Comm
- ❑ Maximum Tries
- ❑ Connect Timeout
- ❑ Receive Timeout
- ❑ Wireless Parameters
- ❑ Wi-Fi Parameters
- ❑ Bluetooth
- ❑ ECR Communications Type

5.8.1 Main Communication

Note

Use this feature to set the main method of communication. If a method of communication not supported by the terminal is selected, the error message **"NOT AVAILABLE"** is displayed.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[1]** for Main Communication.	**COMM. OPTIONS:** 1. Main Communication 2. Backup Comm. 3. Maximum Tries 4. Connect Timeout
2.	Use the **[F1] & [F2]** keys to select the primary communication type.	**Main Comm.:1** 1. Wireless 2. WiFi
3.	**Stop**	

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5.8.2 Backup Communication

Note

Use this feature to set the backup method of communication. If a method of communication not supported by the terminal is selected, the error message **"NOT AVAILABLE"** is displayed.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[2]** for Backup Communication.	**COMM. OPTIONS:** 1. Main Communication 2. Backup Comm. 3. Maximum Tries 4. Connect Timeout
2.	Default setting is **[3]** None. Use the **[F1] & [F2]** keys to select the primary communication type.	**Backup Comm:3** 1. WiFi 2. Wireless 3. None
3.	**Stop**	

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5.8.3 Maximum Tries

Note

Use this feature to set the maximum number of times the terminal will attempt to use the primary communication before failing over to the backup.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[3]** for Maximum Tries.	**COMM. OPTIONS:** 1. Main Communication 2. Backup Comm. 3. Maximum Tries 4. Connect Timeout
2.	The terminal displays the current setting. Input the New tries # and press **[O]**	**Max Tries** **1**
3.	**Stop**	

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5.8.4 Connect Timeout

Note

Use this feature to set the timeout for connection. This option is the number of MS the terminal will wait before failing over to the backup communication method.

STEP	ACTION	DISPLAY
4.	From the Communication Options menu press **[4]** for Connect Timeout.	**COMM. OPTIONS:** 1. Main Communication 2. Backup Comm. 3. Maximum Tries 4. Connect Timeout
5.	The terminal will display the current timeout setting. Input the New timeout and press **[O]**	**Connect Timeout** **300**
6.	**Stop**	

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5.8.5 Receive Timeout

Note

Use this feature to set the timeout for receiving messages from host.

STEP	ACTION	DISPLAY
7.	From the Communication Options menu press **[5]** for Receive Timeout.	**COMM. OPTIONS:** 2. Backup Comm. 3. Maximum Tries 4. Connect Timeout 5. Receive Timeout
8.	Terminal displays the current timeout setting. Input the New timeout and press **[O]**	**Receive Timeout** **450**
9.	**Stop**	

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5.8.6 Wireless Parameters

Note

All of the parameters that can be set for Wireless (Cellular) communication are sub-menus under the Wireless parameters menu.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	. Use the **[F1]** & **[F2]** keys to find your selection and then press **[O]**. Or Press the number corresponding with your selection.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	**Stop**	

5.8.6.1 APN

Note

This option is used to configure your APN for the terminal. The APN is required for GPRS terminals.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters

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2.	Press **[1]** to select APN, and then press **[O]**.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	Input the APN if it is not correct and then press **[O]**.	**APN:** telargo.t-mobile.com
4.	**Stop**	

5.8.6.2 User Name

Note

This option is used to configure the User Name for the SIM card (GPRS communications only). Most SIM cards do not require a User Name.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[2]** to select APN, and then press **[O]**.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	Input the User Name if it is not correct and then press **[O]**.	**User Name:**
4.	**Stop**	

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5.8.6.3 Password

Note

This option is used to configure the Password for the SIM card (GPRS communications only). Most SIM cards do not require a Password.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[3]** to select Password, and then press **[O]**.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	Input the APN if it is not correct and then press **[O]**.	**Password:** *********
4.	**Stop**	

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5.8.6.4 Provision

Note

This option is used to authenticate the terminal onto the Wireless network, and only applies to CDMA terminals.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[4]** to select Provision, and then press **[O]**.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	The terminal will display Provisioning while it's connecting to the network, and Programming Successful once complete.	**Provisioning...**
4.	**Stop**	

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5.8.6.5 IP Address

Note

This option is used to view the IP address the terminal is using on the wireless network. This address should only be changed on the advice of the cellular network provider.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[5]** to select IP Address, and then press **[O]**.	**Wireless Params:** 1. APN 2. User Name 3. Password 4. Provision 5. IP Address
3.	The terminal will display its current IP address on screen.	**IP Address** **000.000.000.000**
4.	**Stop**	

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5.8.6.6 Subnet Mask

Note

This option is used to view the Subnet Mask the terminal is using on the wireless network. This should only be changed on the advice of the cellular network provider.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[6]** to select Subnet mask, and then press **[O]**.	**Wireless Params:** 2. User Name 3. Password 4. Provision 5. IP Address 6. Subnet Mask
3.	The terminal will display its current Subnet Mask on screen.	**Subnet Mask** **000.000.000.000**
4.	**Stop**	

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5.8.6.7 Gateway IP

Note

This option is used to view the IP address of the Gateway the terminal is using on the wireless network. This should only be changed on the advice of the cellular network provider.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[7]** to select Gateway IP, and then press **[O]**.	**Wireless Params:** 3. Password 4. Provision 5. IP Address 6. Subnet Mask 7. Gateway IP
3.	The terminal will display its current IP address for the Gateway on screen.	**Gateway IP** **000.000.000.000**
4.	**Stop**	

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5.8.6.8 DNS IP

Note

This option is used to view the DNS IP address the terminal is using on the wireless network. This should only be changed on the advice of the cellular network provider.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[8]** to select DNS IP, and then press **[O]**.	**Wireless Params:** 4. Provision 5. IP Address 6. Subnet Mask 7. Gateway IP 8. DNS IP
3.	The terminal will display its current DNS IP on screen.	**DNS IP** **000.000.000.000**
4.	**Stop**	

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5.8.6.9 PING

Note

PING is a diagnostic tool used to determine if the terminal is connected to the wireless network, and the quality of that connection. The URL defaults to a Google URL, but can be changed to anything.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[6]** for Wireless Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[9]** to select PING, and then press **[O]**.	**Wireless Params:** 5. IP Address 6. Subnet Mask 7. Gateway IP 8. DNS IP 9. PING
3.	The terminal will display the current URL on screen. Press **[X]** to delete the current and input a different URL if necessary, and then press **[O]**.	**URL** **www.google.com**
4.	The terminal will display the speed of the packets return and will continue to ping until the **[X]** is pressed.	**Google.com:** Ping ok 54ms Ping ok 173ms Ping Failed Ping ok 123ms
5.	**Stop**	

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5.8.7 WiFi Parameters

Note
All of the parameters that can be set for WiFi communication are sub-menus under the WiFi parameters menu.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	. Use the **[F1]** & **[F2]** keys to find your selection and then press **[O]**. Or Press the number corresponding with your selection.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	**Stop**	

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5.8.7.1 SSID

Note

This option is used to view/set the SSID for the WiFi network the terminal will be connecting to.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[1]** to select SSID, and then press **[O]**.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	The terminal will display the SSID of the network it's currently connected to.	**SSID** **network_name**
4.	**Stop**	

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5.8.7.2 Security

Note

This option is used to view/set the Security type for the WiFi network the terminal will be connecting to.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[2]** to select Security, and then press **[O]**.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	Select the proper option for the network you are connecting to and press **[O]**.	**Security Type: 5** 1. None 2. WEP-64 3. WEP-128 4. WPA-TKIP 5. WPA2-AES
4.	**Stop**	

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5.8.7.3 Password

Note

This option is used to view/set the Password for the WiFi network the terminal will be connecting to.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[3]** to select Password, and then press **[O]**.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	Review the password, if it is incorrect, press the **[X]** button to clear the old password out and use the keypad to input the correct password, then press **[O]**	**Password** **secure_P@55word**
4.	**Stop**	

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5.8.7.4 DHCP Type

Note

This option is used to set how IP addresses are handled on the network the terminal will be connecting to.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[4]** to select DHCP Type, and then press **[O]**.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	Select the proper option for the network you are connecting to and press **[O]**.	**DHCP Type: 1** 1. Static 2. DHCP
4.	**Stop**	

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5.8.7.5 IP Address

Note

This option is used to view/set the IP address the terminal is using on the WiFi network.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[5]** to select IP Address, and then press **[O]**.	**WiFi Params:** 1. SSID 2. Security 3. Password 4. DHCP Type 5. IP Address
3.	The terminal will display its current IP address on screen. If a change is necessary, clear the IP address using **[X]** and input the correct values, then press **[O]**.	**IP Address** **000.000.000.000**
4.	**Stop**	

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5.8.7.6 Subnet Mask

Note

This option is used to view/set the Subnet Mask the terminal is using on the WiFi network.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[6]** to select Subnet mask, and then press **[O]**.	**WiFi Params:** 2. User Name 3. Password 4. DHCP Type 5. IP Address 6. Subnet Mask
3.	The terminal will display its current Subnet Mask on screen. If a change is necessary, clear the Subnet Mask using **[X]** and input the correct values, then press **[O]**.	**Subnet Mask** **000.000.000.000**
4.	**Stop**	

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5.8.7.7 Gateway IP

Note

This option is used to view the IP address of the Gateway the terminal is connected to on the WiFi network.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[7]** to select Gateway IP, and then press **[O]**.	**WiFi Params:** 3. Password 4. DHCP Type 5. IP Address 6. Subnet Mask 7, Gateway IP
3.	The terminal will display its current Gateway IP Address on screen. If a change is necessary, clear the current Gateway IP using **[X]** and input the correct values, then press **[O]**.	**Gateway IP** **000.000.000.000**
4.	**Stop**	

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5.8.7.8 DNS IP

Note

This option is used to view the DNS IP address the terminal is using on the WiFi network.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[8]** to select DNS IP, and then press **[O]**.	**WiFi Params:** 4. DHCP Type 5. IP Address 6. Subnet Mask 7. Gateway IP 8. DNS IP
3.	The terminal will display its current DNS IP Address on screen. If a change is necessary, clear the current DNS IP using **[X]** and input the correct values, then press **[O]**.	**DNS IP** **000.000.000.000**
4.	**Stop**	

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5.8.7.9 PING

Note

PING is a diagnostic tool used to determine if the terminal is connected to the WiFi network, and the quality of that connection. The URL defaults to a Google URL, but can be changed to anything.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Press **[9]** to select PING, and then press **[O]**.	**WiFi Params:** 5. IP Address 6. Subnet Mask 7. Gateway IP 8. DNS IP 9. PING
3.	The terminal will display the current URL on screen. Press **[X]** to delete the current and input a different URL if necessary, and then press **[O]**.	**URL** **www.google.com**
4.	The terminal will display the speed of the packets return and will continue to ping until the **[X]** is pressed.	**Google.com:** Ping ok 54ms Ping ok 173ms Ping Failed Ping ok 123ms
5.	**Stop**	

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5.8.7.10 Switch Router

Note

This option is used to scan for available WiFi networks, and allows you to select the correct network.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[7]** for WiFi Parameters.	**Comm. Options** 4. Connect Timeout 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters
2.	Use the **[F1] & [F2]** buttons to navigate to option 10 and press the **[O]** button.	**WiFi Params:** 6. Subnet Mask 7. Gateway IP 8. DNS IP 9. PING 10. Switch Router
3.	The terminal will scan for available networks and will display a list on screen. Press the number next to the correct network to select it.	**Select Network:** 1. Wrong_network 2. Right_network 3. Neighbors_network
4.	**Stop**	

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5.8.8 Bluetooth

Note
All of the parameters that can be set for Bluetooth communication are configured in this section.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[8]** for Bluetooth.	**Comm. Options** 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters 8. Bluetooth
2.	. Use the **[F1]** & **[F2]** keys to find your selection and then press **[O]**. Or Press the number corresponding with your selection.	**WiFi Params:** 1. Device Name 2. Pin Code
3.	**Stop**	

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5.8.8.1 Device Name

Note

This option allows you to view the Bluetooth Device name for the terminal.

STEP	ACTION	DISPLAY
1.	From the Communication Options menu press **[8]** for Bluetooth.	**Comm. Options** 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters 8. Bluetooth
2.	Choose Option 1 Device name and press **[O]**.	**Bluetooth:** 1. Device Name 2. Pin Code
3.	The terminal will display the device name.	Device Name: D200_12756839
4.	**Stop**	

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5.8.8.2 Pin Code

Note

This option allows you to view/set the PIN code for Bluetooth communications.

STEP	ACTION	DISPLAY
5.	From the Communication Options menu press **[8]** for Bluetooth.	**Comm. Options** 5. Receive Timeout 6. Wireless Parameters 7. WiFi Parameters 8. Bluetooth
6.	Choose Option 2 Pin Code and press **[O]**.	**Bluetooth:** 1. Device Name 2. Pin Code
7.	The terminal will display the Pin code.	Pin Code: 0000
8.	**Stop**	

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5.8.9 ECR Com Type

Note
This option controls the communication method between the POS and the terminal.

STEP	ACTION	DISPLAY
4.	From the Communication Options menu press **[8]** for Bluetooth.	**Comm. Options** 6. Wireless Parameters 7. WiFi Parameters 8. Bluetooth 9. ECR Com Type
5.	. Use the **[F1]** & **[F2]** keys to find your selection and then press **[O]**. Or Press the number corresponding with your selection.	**ECR Com Type:** 1. Com1 2. USB 3. Ethernet 4. Bluetooth
6.	**Stop**	

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