

FC6000 User Manual



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CHANGE HISTORY

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1	28-Apr-09	All	1st Release
2	6-July-09	All	Technical review and update
3	11-Aug-09	9.2	Added "Caution" panel

CONVENTIONS USED IN THIS MANUAL

KEYBOARD KEYS: When describing the requirement to use (press) a particular key on a keyboard, the key's name will be used and emphasised in the text by the use of chevrons, for example <Enter>.

SCREEN INSTRUCTIONS: When describing the requirement to select a particular screen option, the option description (as it appears on the screen) will be used and emphasised by the use of italicised text and quotes, for example "*Passcode?*"

FEEDBACK

As part of Transponder Technologies Continued Improvement Program we encourage any feedback for this document to be emailed to: **support@ttonline.com.au**

All documentation becomes dated and at Transponder Technologies we are continually evolving our products and documentation accordingly. Unintentional technical or typographical errors are periodically corrected in later revisions.

Our current documentation convention is "DXXXXX-1", where "XXXXX" is the document number and '1' is the revision level.

DISCLAIMER

All endeavours have been made to ensure information contained in this document is correct and accurate at the time of release. Transponder Technologies does not accept liability for any errors, omissions, or the use of information within this document.

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Typical FC6000 Hardware

OPTIONS



Optional hardware includes the Barcode Scanner
(Note: *requires the purchase of T-Scan Barcode Control Software*)

Introduction

1.1 The Forecourt Controller

The functionality provided by the FC6000 Forecourt Controller includes:

- Pump control.
- Transaction processing for wetstock (fuels) and drystock (shelf goods).
- Issue of receipts.
- Setting of price at pumps.
- Print out reports on transaction history and fuel movements
- Card transaction processing.

The system provides two modes of operation. One is where the system functions as a pump control console and the other where it provides cash-register style functionality. In the latter case, twenty (20) non-fuel categories are available. Also the transaction processing sequence allows for tendered amounts to be entered and methods of payment to be specified. A cash-draw control output is provided.

1.2 Forecourt Controller Hardware

The Forecourt Controller hardware is comprised of:

- Forecourt Controller Unit
- Uninterruptible Power Supply
- Video Display Unit
- Receipt Printer
- Keyboard
- Customer Display

These devices are connected via the dedicated connectors at the rear of the case. The front of the case has the Diagnostic Display and Configuration Keypad.

1.2.1 Optional Hardware

Optional hardware includes the Barcode Scanner*. The scanner reads the barcode of drystock items and shows its description and price on the FC6000 display.

(***Note:** *requires the purchase of T-Scan Barcode Control Software*).

1.3 Powering the Controller

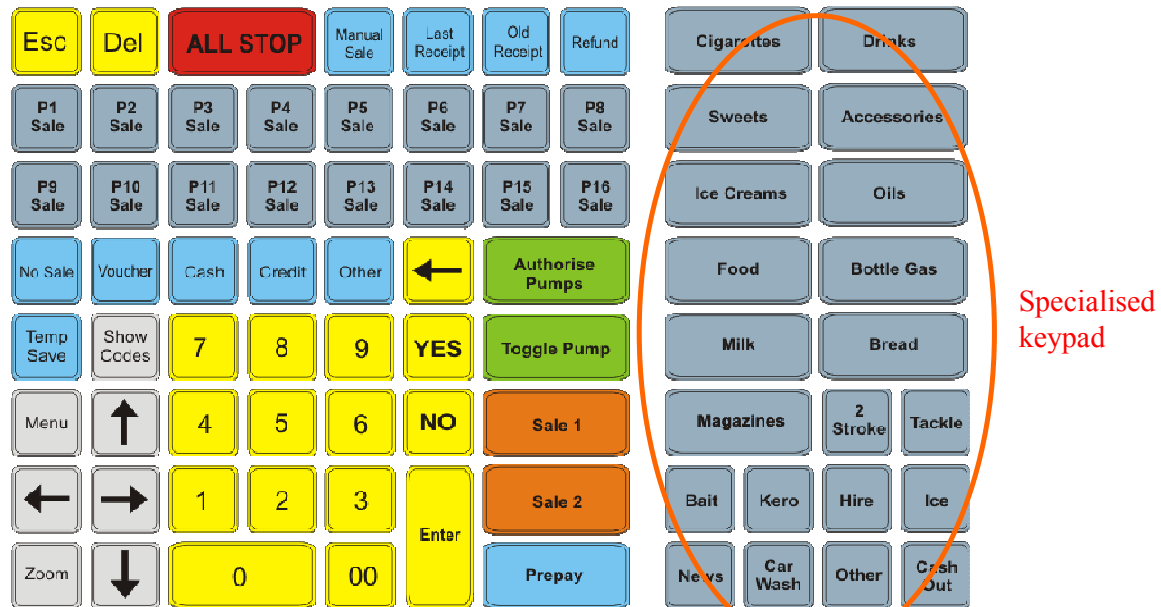
When the forecourt controller is powered up, approximately one minute will elapse before the system becomes active and information appears on the video screen. During this time a message will appear on the diagnostic display showing the software version number.

NOTE:

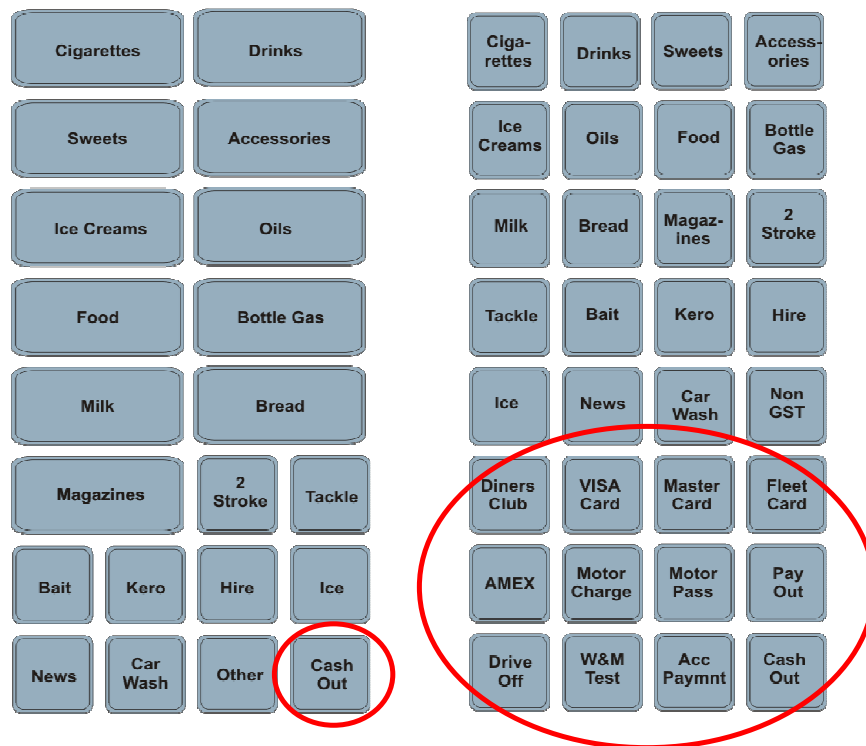
If a UPS (Uninterruptible Power Supply) is installed, it must be the first item to be turned on and the last item to be turned off.

2. Keyboard

The illustration below shows the layout of the FC6000 keyboard. The standard keypad is on the left and a specialised keypad on the right. This standard keypad is used for the sale of wet-stock (fuel sales), as well as for access to the FC6000 menu system. The specialised keypad is for dry-stock (shelf products) sales.



Different dry-stock keypads may also be used to provide additional Method of Payment (MOP) options. Two common types of specialised keypads are shown below.



The MOP keys have been circled for clarity. Some of the keys have the same functionality as that of a computer keyboard, such as the <numeric> (number) keys; the <Enter> key and the <arrow> keys.



Used to positively accept an option offered on the monitor screen.



Used to reject an option offered on the monitor screen.

2.1 Esc



Causes the cancellation of the keyboard operation currently in progress.

2.2 Del



Allows the removal of a particular transaction by selecting the “line number” of the transaction and then pressing <Enter>.

The key is used during the transaction processing sequence described in the “Authorising and Processing Transactions” section.

2.3 All Stop



Used in emergency situations only. It stops all pumps currently dispensing and prevents any authorised dispensers from commencing a sale.

Note: to cancel the ALL STOP action, authorise any pump using the <Toggle Pump> key, (refer Section 2.15).



2.4 Manual Sale



Enables fuel sales to be entered manually.

The Manual Sale key is used:

- When pumps are operated in stand-alone mode. This is usually because of an electrical site fault.
- When transactions have to be reversed (Refund process) and then re-entered.

Note: The shift report includes a count of the number of manual sales that have occurred during the shift period.

2.5 Last Receipt



The system will re-print the last receipt that was issued.

This function is useful when:

- A receipt has been torn or damaged during removal from the receipt printer, or
- A partial receipt is produced due to a run-out of printer paper at the end of a roll.

2.6 Old Receipt



The system buffers the last 500 transactions and <Old Receipt> displays these transactions.

Scroll down with Down-Arrow Enter to print 15/10/08 14:35:25

Esc quits

P01 LRP	1.567\$/L	26.01L	\$40.75	14/10/08	02:33pm	0341	Cash
P01 LRP	1.567\$/L	0.00L	\$0.00	14/10/08	02:13pm	0340	Cash
49 Goulburn peans	1.00	\$5.55	14/10/08	11:32am	0339	#10	
P01 LRP	1.567\$/L	41.58L	\$64.84	14/10/08	11:32am	0338	Cash
P01 LRP	1.567\$/L	24.80L	\$38.86	13/10/08	03:48pm	0337	Cash
49 GC beetroot	1.00	\$3.33					
P01 LRP	1.567\$/L	17.16L	\$26.89	10/10/08	02:44pm	0000	Cash
P01 LRP	1.567\$/L	10.12L	\$15.86	09/10/08	03:41pm	0022	Other
P01 LRP	1.567\$/L	33.26L	\$52.11				
P01 LRP	1.567\$/L	64.80L	\$101.54	09/10/08	02:58pm	0022	Other
P01 LRP	1.659\$/L	8.55L	\$14.18	08/10/08	03:35pm	0022	#9000000001
P02 DIESEL	1.659\$/L	183.53L	\$287.96	08/10/08	03:35pm	0021	Other
P01 LRP	1.659\$/L	12.05L	\$20.00	08/10/08	03:16pm	0021	#9000000001
P01 LRP	1.659\$/L	32.10L	\$53.26	08/10/08	11:28am	0330	Cash
P01 LRP	1.659\$/L	14.76L	\$24.49	08/10/08	11:26am	0329	Cash
P02 DIESEL	1.569\$/L	50.00L	\$0.06	08/10/08	10:49am	0020	Credit
P01 LRP	1.659\$/L	18.33L	\$30.40	08/10/08	10:49am	0020	Other
P01 LRP	1.659\$/L	18.33L	\$30.40				
42 Sweets	-1.00	-\$6.98	08/10/08	10:48am	0020	Cash	
42 Sweets	-1.00	-\$6.66	08/10/08	10:45am	0020	Credit	
70 Ac payment	-1.00	-\$100.00	08/10/08	10:40am	0020	Cash	#11
40 Cigarettes	1.00	\$0.99	08/10/08	10:39am	0019	#11	
61 Pay out	1.00	\$10.00	08/10/08	10:35am	0018	Cash	
P01 LRP	1.659\$/L	20.12L	\$33.37	08/10/08	10:33am	0018	Test
40 Cigarettes	1.00	\$11.11	08/10/08	10:33am	0018	Other	
P01 LRP	1.659\$/L	23.90L	\$49.60				
P01 LRP	1.659\$/L	11.43L	\$18.96	08/10/08	10:13am	0018	Other
P01 LRP	1.659\$/L	143.86L	\$238.67	08/10/08	10:10am	0018	Other
P01 LRP	1.659\$/L	10.59L	\$17.57				
P01 LRP	1.567\$/L	75.96L	\$119.03	08/10/08	09:21am	0018	Cash
49 GC beetroot	2.00	\$6.66					
P01 LRP	1.567\$/L	11.41L	\$17.88	07/10/08	02:16pm	0018	#9000000001
P01 UNLEADED	1.357\$/L	21.33L	\$29.78	07/10/08	01:07pm	0017	Other
P01 UNLEADED	1.357\$/L	10.45L	\$14.17	07/10/08	12:30pm	0017	#9000000001
P01 UNLEADED	1.357\$/L	12.42L	\$16.85	07/10/08	12:30pm	0000	Other
P01 UNLEADED	1.357\$/L	12.42L	\$16.85	07/10/08	12:01pm	0016	#9000000001
P01 UNLEADED	1.357\$/L	57.69L	\$78.28	07/10/08	11:55am	0015	Other
P01 UNLEADED	1.357\$/L	57.69L	\$78.28	07/10/08	11:47am	0015	#9000000001
P01 UNLEADED	1.357\$/L	23.31L	\$31.63	07/10/08	11:44am	0014	Other
P01 UNLEADED	1.357\$/L	23.31L	\$31.63	07/10/08	11:35am	0014	#9000000001
P01 UNLEADED	1.357\$/L	24.24L	\$32.89	07/10/08	11:17am	0013	Other
P01 UNLEADED	1.357\$/L	24.24L	\$32.89	07/10/08	11:10am	0013	#9000000001
P01 UNLEADED	1.357\$/L	15.25L	\$20.69	07/10/08	11:09am	0000	Cash
P01 UNLEADED	1.357\$/L	49.95L	\$67.78	07/10/08	09:41am	0012	Cash
P01 UNLEADED	1.357\$/L	49.95L	\$67.78	07/10/08	09:38am	0012	#9000000001
P01 UNLEADED	1.357\$/L	40.63L	\$55.14	07/10/08	09:33am	0011	#9000000001

Pushing the down-arrow will then allow the operator to scroll through the entire buffer, one page at a time, starting from the beginning of the buffer. By following the command prompts and entering the sequence number of the required transaction (see example highlighted above), the operator may then print a copy of a receipt for this transaction.

2.7 Refund



Enables the current transaction item (listed in the sale box) to be processed as a refund. The Refund sequence is described in the “Authorising and Processing Transactions” section.

Note: the shift report includes a total of all refunded sales occurring during the shift period plus a count of the number of refunded sales.

2.8 P1 Sale...P16 Sale



to



These 16 keys are used to select a completed pump sale for processing.

Alternatively, sales can be selected by selecting the pump <number>



and then



2.9 No Sale



This key opens the cash draw.

Note: The shift report includes a count of the number of times the no-sale key is pressed during the shift period.

2.10 Voucher



Used to provide a “cents per litre” discount on a fuel sale.

When pressed, the operator is prompted for a discount rate to be used. Values between 1¢ and 9¢ per litre are allowed. The discount rate that is entered is then applied to the fuel sale in the sale box at that time. Refer to Section 4.6 for the sales procedure.

An option is available to configure the system so that a litre limit is applied to a discount sale. This limit can be set to a different value for each cent of the discount rate. Setting these limits is described in the “Menu” section.

Note: The shift report includes a total of all discounts occurring during the shift period plus a count of the number of discounted sales. In addition the system can be configured so that the shift report includes a breakdown of total discounts by product and discount rate.

2.11 Cash



The current sale is to be paid for by cash.

All cash transactions can be viewed in the Cash Transactions report (refer Section 5.3.5)

2.12 Credit



The sale is to be paid for using a credit card.

All credit (card) transactions can be viewed in the Card Transactions report (refer Section 5.3.55.3.7)

Note: The processing of a credit card payment is outside the scope of this manual. Please refer to the credit card supplier’s information.

2.13 Other



The sale is to be paid by a special method such as a proprietary fleet card or a personal customer account card. Refer to Section 4.7 for the Other Sale procedure.

Note: To differentiate this type of sale from general cash sales, these transactions are highlighted in yellow text on the Cash Transactions report (refer Section 5.3.55.3.7) and the special account/card number used for the transaction is recorded in the sale line.

2.14 Authorise Pumps



Used to authorise all calling pumps.

A pump “calls” when it is in the held state and the nozzle is lifted.

2.15 Toggle Pump



Used to change the authorisation state of an individual pump.

To authorise (or hold) a pump, enter the pump’s <number> and then press <Toggle Pump>.

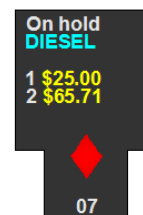
Methods of authorisation are described later in the “Authorising and Processing Transactions” section.

2.16 Sale 1 and Sale 2



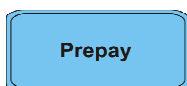
When a pump has two (separate) completed sales available for processing (called a stacked sale), the keys are used to select either the first (Sale 1) or the second (Sale 2) transaction.

The monitor screen will display a pump icon showing the two sale amounts.



The correct key is used after first selecting the pump with the <P1 Sale>...<P16

2.17 Prepay



Used to authorise a pump for a sale with a preset dollar limit.

This function may be used, for example, outside of normal business hours to reduce the opportunity for a fuel “drive off”. The monitor screen will prompt for a dollar amount to be entered.

The Prepay sequence is described in the “Authorising and Processing Transactions” section.

2.18 Temp Save



This key will cause all sales that are listed in the sale box to be stored in a temporary buffer. The sale box is then cleared so that other sales may be processed.

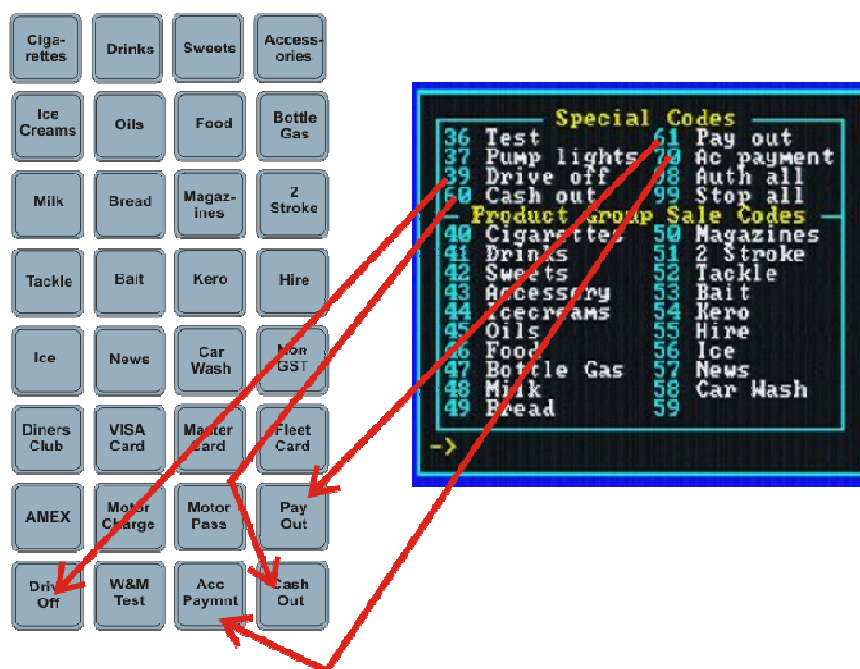
Pressing the <Temp Save> key again will restore the sales to the sale box. A temporarily saved sale can only be restored if the sale box is empty.

2.19 Show Codes



Used to show the special functions that are available on the system, but not directly accessible from the standard keyboard. These functions are invoked by entering the corresponding number. The screen also displays the names allocated to the 20 non-fuel product codes.

This screen is a useful when a specialised keypad (with dedicated keys) is not used.



The special functions are described below:

2.19.1 Test

Test deliveries are those which are performed when calibrating the pumps; or for the purpose of testing the system. Hence no payment is expected. Entering the test code will cause fuel sales in the sale box to be processed as test deliveries. Hence a method of payment is not prompted and the sale amounts are recorded against a separate total in the shift report.

2.19.2 Pump Lights

For certain pump types it is possible to turn the pump lighting off or on from the forecourt controller. Entering this code will toggle the state of the pump lights. This function is not available from the keypad.

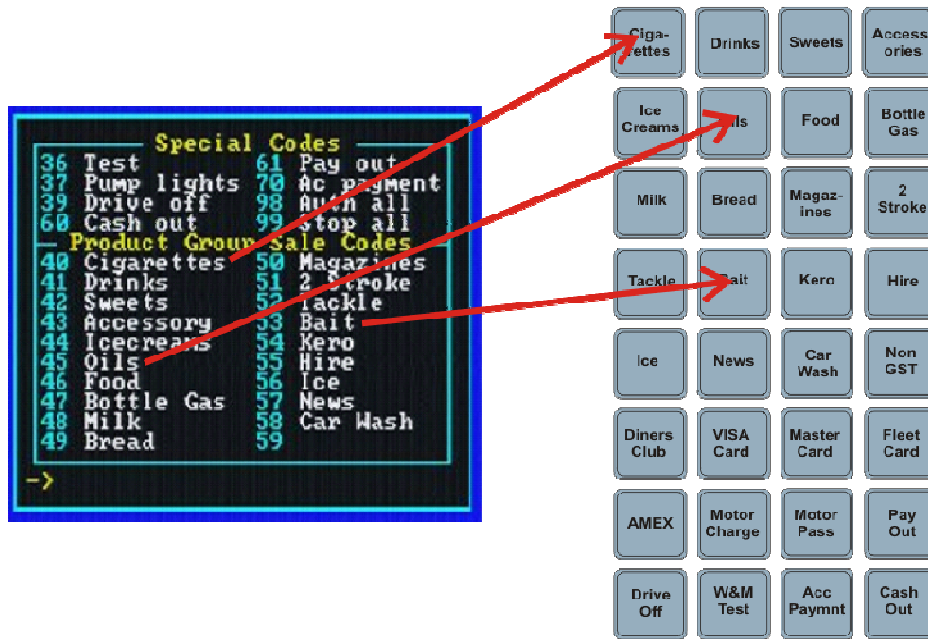
2.19.3 Drive Off

To account for fuel that is stolen. The operator is prompted for the pump number and amount. Details are recorded in the Cash Transactions report.

2.19.4 Product codes

The system supports 20 non-fuel (dry-stock) product groups (categories). The name of the group is user definable and setting these names is outlined in Section 5.6.

Note: The Group codes correspond to the “product group” keys on the specialised keypad.



2.19.5 Cash Out

Customers may be allowed to use an EFT transaction to withdraw cash from their bank account. This code allows the cash amount to be entered and processed with the purchase items. The shift report includes a cash-out total.

2.19.6 Pay Out

To account for money taken out of the till, the Pay Out function is used. Pay-outs appear as negative amount on reports.

2.19.7 Account Payment

The Forecourt Controller provides for proprietary account cards to be processed using a card reader attached to the keyboard. This option allows customers to pay into their account.

When the code is entered, the operator is prompted for a dollar amount, then for the customer's card to be swiped, and then for a method-of-payment to be selected. The transaction is stored in the system for later processing and a receipt can be printed.

2.19.8 Authorise All

This function is used to authorise all held pumps.

2.19.9 Stop All

This function is used to stop the operation of all held pumps.

2.20 Menu



Provides operator access to an extended range of system and management functions.

The monitor screen will display a menu of options available. Refer to Section 5 for details.

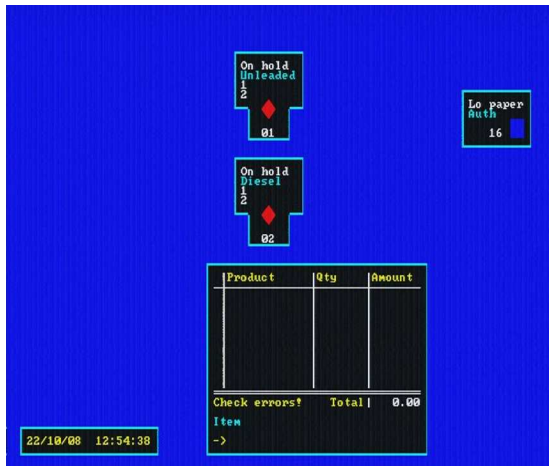
2.21 Zoom



The FC6000 system supports two display modes and the <Zoom> key toggles the two modes.

- 1) Normal Mode - in which the pumps appear as graphical icons and
- 2) Text Mode, in which pump information appears only as text. The text in the normal mode is smaller than used in the text only mode.

NORMAL DISPLAY MODE



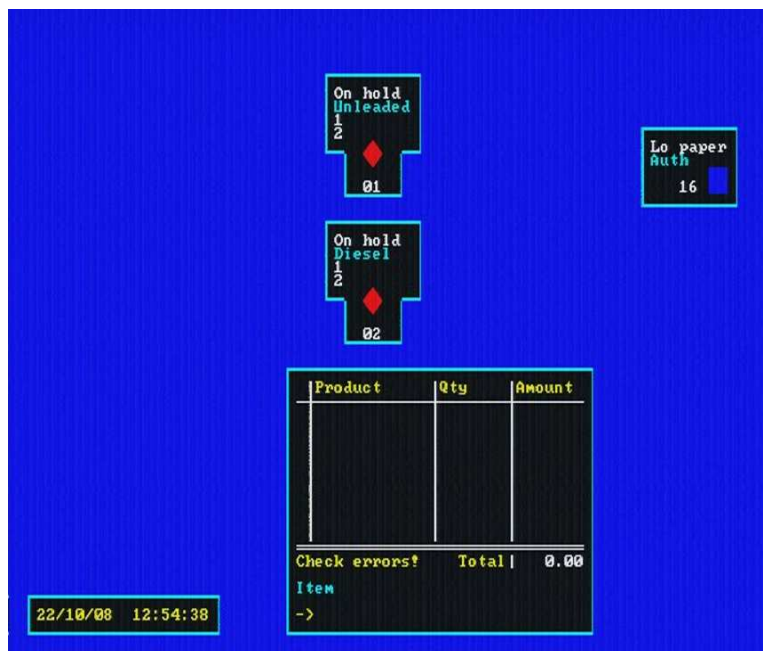
TEXT DISPLAY MODE

			Product	Qty	Amount
01 LRP 1\$ 26.52 + Z\$ 20.61			P01 LRP	16.93	26.52
02 DIESEL 1 • 2					
	16 Auth XF				
			Total		26.52
			Item ->		

15/10/08 14:36:42

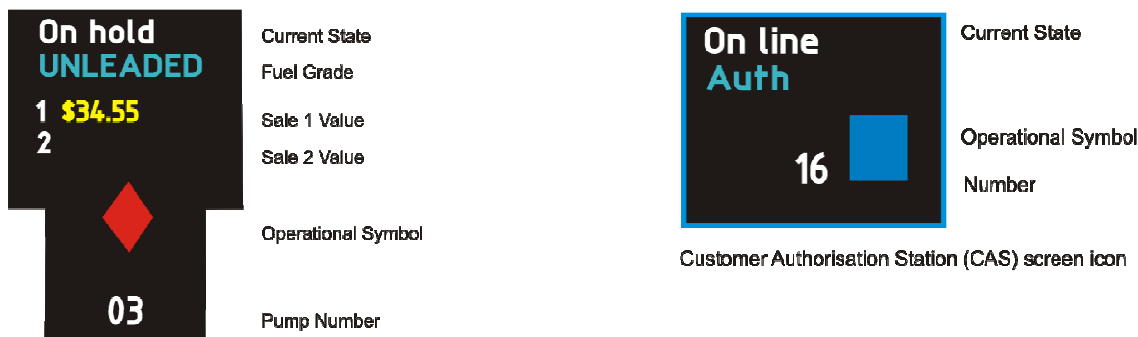
3. Main Display Screen

The main screen is used to view pump activity and process transactions. It displays current date and time and has one large 'sale box' for transaction details and a number of smaller 'pump status boxes', one for each pump and, if used, any Customer Authorisation Station (CAS).













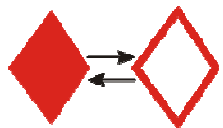



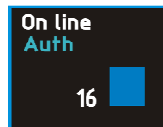

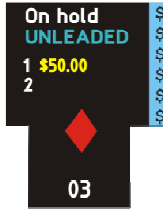

3.1 Pump and CAS Icons

Pumps and CAS icons show the current status and sale activity of each device.



- The white text on top shows the current state and, at the bottom, the device (pump) number.
- The fuel grade appears in turquoise (pump only).
- Transaction sale value(s) appear in yellow (pump only).

3.2 Meaning of Symbols

Pump Condition	Normal Symbol	Zoom Symbol
ON HOLD – Pump cannot be used		
READY - The pump is authorised but the nozzle has not yet been lifted		
READY (Limited) The pump is authorised for a limited time and the number shows the seconds remaining before the pump reverts to "on-hold".		
ACTIVE - The nozzle has been picked up		
FUELLING - Fuel is flowing. The incrementing dollar value appears in yellow next to the symbol.		
NOZZLE ON-HOLD - The nozzle has been lifted but the pump is not authorised to dispense. The operator is alerted by a change in the screen display and beeping of the keyboard.		
OFF LINE - The pump is not communicating with the Forecourt Controller.		
AUTH – The device is configured as a card authorisation station (CAS)		
PREPAY TRANSACTION – The pump has been assigned a preset sale value. The pump will not dispense fuel in excess of this amount.		
CARD TRANSACTION – This image indicates that the pump is executing a card authorised transaction (this does not appear in 'Zoom In' mode). In other words, a customer has presented a card at an authorisation station and selected the pump for delivery. Progress amounts do not appear during the delivery since the system automatically stores the finalised transaction for later processing.		

3.3 Pump Error Messages

There are two error messages that may appear during pump operation.

SALE ER - The Forecourt Controller cannot read the pumps final delivery amount because of a communication malfunction. The transaction may be processed using the <Manual Sale> key.

Note: *Once the malfunction has been resolved, the SALE ER message will remain on the display until the next transaction for that pump has commenced. In the event of a SALE ER in the Sale 2 position, it is not until another transaction is moved into Sale 2 that the error will disappear.*

ERROR - The pump has an error condition.

4. Using the FC6000

4.1 Introduction

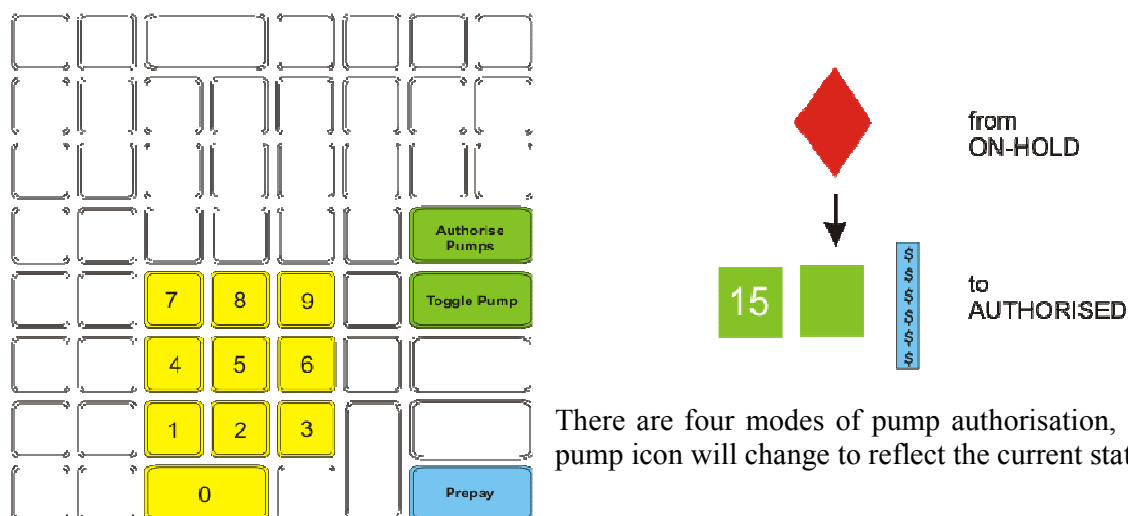
The FC6000 system can provide several levels of functionality. It can be configured to operate purely as a pump control console, or, it can provide additional cash-register functionality. Support for a receipt printer is also available. Optional hardware includes the Barcode Scanner. The scanner reads the barcode of drystock items and shows its description and price on the FC6000 display.

Note: *The use of the barcode scanner requires the purchase of T-Scan software.*

The following discussions assume the system is configured with cash register functionality and a receipt printer. If a system does not have this functionality, then some of the steps described (for example receipt printing) will not be required.

4.2 Authorise Pumps

A pump can be toggled between being *authorised*, or being *on-hold*, by entering the pump <number> and pressing the <Pump Toggle> key.



There are four modes of pump authorisation, and the pump icon will change to reflect the current state.

1) Auto-hold (Compulsory Authorisation; 15 second period)

15

Once authorised the pump nozzle must be lifted within 15 seconds. If the nozzle is not lifted before the end of the timeout countdown, then the pump will return to its “on-hold” state.

2) Stand-alone (Automatic Authorisation)



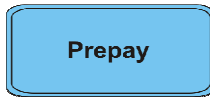
Once authorised the pump remains available until the nozzle is lifted (no timeout), or until the pump is placed *on hold* again, by entering pump <number> and pressing the <Pump Toggle> key.

3) Hold (Compulsory Authorisation; indefinite period)



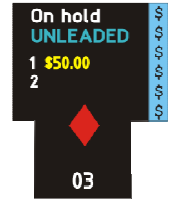
Once authorised the pump remains available until the nozzle is lifted, or until the pump is put on hold by entering the pump number and pushing the toggle key. Once a sale completes the pump is put on hold.

4) Prepay



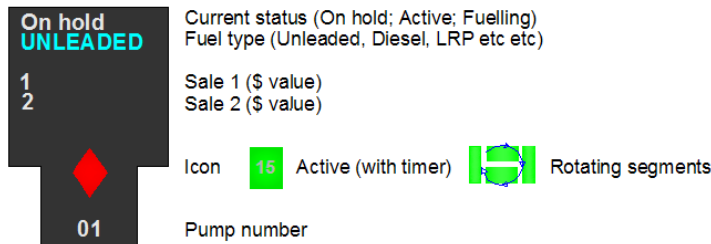
Prepay mode is provided for situations where the customer is required to pay before taking fuel. **Note:** *pumps do not have to be configured for prepay mode in order to authorise a prepay sale.*

The different modes are configured via the <Menu> key and selection of the “5) Pump menu” option.



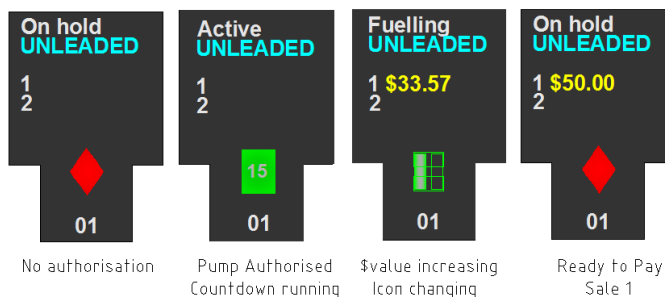
4.3 Screen Display

After a pump has been authorised, fuelling can start. The screen icon will show the pump’s current status.



- The <Authorise Pumps> key can be used to authorise any pumps that are calling for attention, i.e the nozzle has been lifted but the pump is on hold.
- Once delivery has commenced, a pump may be placed in a “temporary hold” condition by using the <Toggle> key. The pump icon will display the words “**temp hld**”. To release the pump from the **temp hld** condition, press the <Toggle> key again.

A typical fuelling sequence is shown below, noting the change in status and the icon’s symbols.



4.4 Processing a Fuel (wetstock) Sale

Processing a completed wetstock sale is done by first pressing the corresponding key <P? Sale> where “?” corresponds to the required pump. Alternatively, press the number key(s) corresponding to the pump number and then <Enter>).

P1 Sale	P2 Sale	P3 Sale	P4 Sale	P5 Sale	P6 Sale	P7 Sale	P8 Sale	1) Select Pump Number
P9 Sale	P10 Sale	P11 Sale	P12 Sale	P13 Sale	P14 Sale	P15 Sale	P16 Sale	
No Sale	Voucher	Cash	Credit	Other				2) Select the type of transaction
		7	8	9	YES			3) Enter amount tendered
		4	5	6	NO		Sale 1	4) Select YES or NO for receipt
		1	2	3			Sale 2	
		0	00					

If the pump has two completed sales, like this...



Then select either the first sale



or the second sale

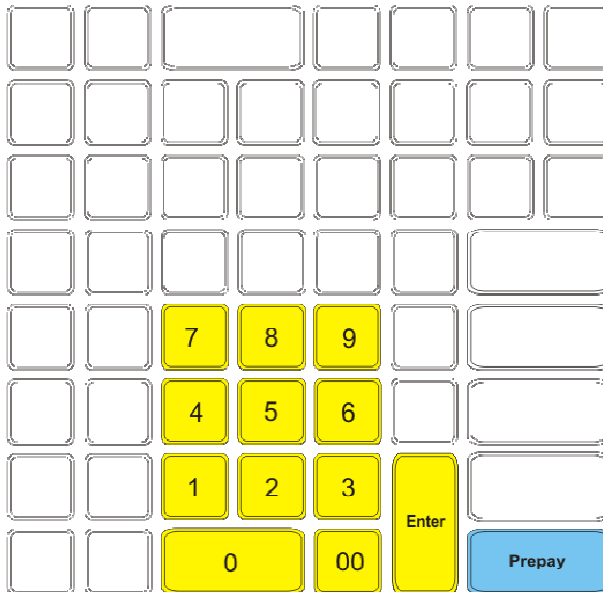


The transaction amount will then appear as a line in the sale box.

	Product	Qty	Amount
1	P01 UNLEADED	36.85	50.00
Check errors!			Total 50.00
Items			
=>			

- If multiple pending fuel sales are required to be added together and processed as a single transaction, then repeat the process described above to select each amount. The sales will then appear as a list in the sale box. The item number appears in the left column. The total dollar amount appears at the bottom of the sale box.
- If the wrong item is selected then press the key, which will prompt for the item number. Once this is entered, the item will be removed from the list.
- If dry-stock goods are also being purchased, then enter these as shown in Section 4.5.
- Once the required items have been selected, press <Enter>. The system will then prompt for the method of payment (MOP). The options include swiping a proprietary account card or entering a account card number. Card management is described in Section 5.
- Once the MOP has been selected, the system will prompt for the tendered amount. This should be entered without a decimal point, for example, \$3.00 should be entered as 300. If the tendered amount is equal to the amount tallied, then just press <Enter>.
- The system will then prompt to print a receipt. Select <Yes> to print, <No> to skip.
- Once the sale sequence is completed, the sale amounts will be cleared, the cash draw will open, the receipt will print and the amount of change will appear in the bottom of the sales box.

4.4.1 Prepay Fuel Sales

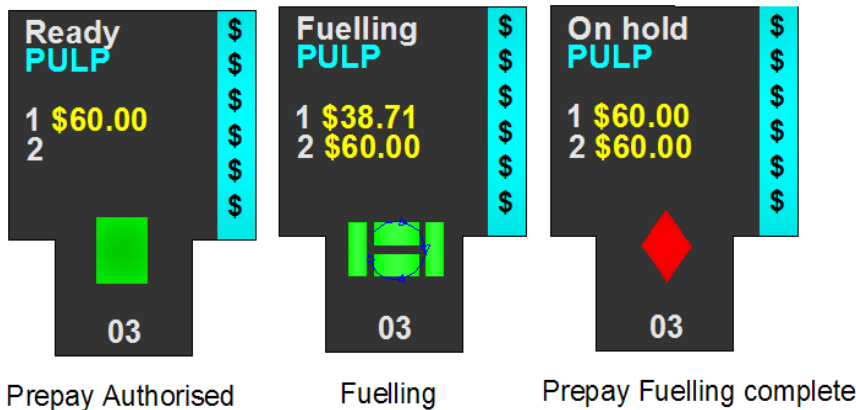


To authorise a prepay sale,

- 1) enter <pump number> on yellow keys
- 2) press the <Prepay> key and then
- 3) enter the dollar value (yellow keys)

Amounts between 1 and 99 dollars may be entered.

The pump will remain authorised with the specified prepay limit until fuel is taken. The icon sequence for a prepay transaction is shown.

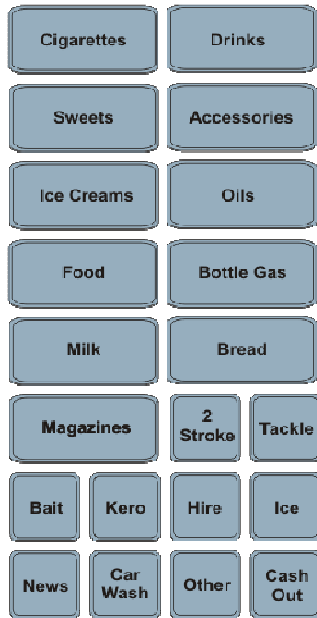


- To cancel a previous authorisation, repeat the process with a zero dollar amount.
- To change the prepay amount, repeat the process with the new dollar amount.

4.5 Processing Non-Fuel (Dry-Stock) Transactions

The system supports 20 non-fuel (“dry-stock”) product groups, using code numbers between 40 and 59 and corresponding keys on the specialised keypad.. The names of the groups are user definable. The procedure for setting the names and their unit prices is described in Section 5.6.

To process a non-fuel sale, first press the corresponding key.



The product group code number, a default quantity of 1 and configured unit price will then appear at the bottom of the sales box.



- If a quantity of more than one unit is required press <Esc>. The system will then prompt for the number of units.
- If the configured unit price is incorrect then press <Esc> and enter the required price.



- If a price has not been configured then simply enter the correct price.

	Product	Qty	Amount
1	Goulburn pea	2.00	11.10
2	SALT	1.00	12.00
Check errors!			Total 23.10
Item			
->			

BARCODE SCANNER – If a barcode scanner is attached, simply scan the goods at the scanner and the product details will appear in the sale box.

Quantities can be adjusted by using the <Esc> key.

Pressing the <Refund> key will enable an item to be processed as a refund.

	Product	Qty	Amount
1	Sweets	1.00	1.23
2	Oils	1.00	15.00
3	Food	1.00	3.00
Check errors! - refund			19.23
Yes(1)/No(0)/Esc			
Refund required?			



Alternatively, use the <Show Codes> key to display the Product Group Sales Codes on the screen.

Special Codes	
36 Test	61 Pay out
37 Pump lights	70 Ac payment
39 Drive off	98 Auth all
60 Cash out	99 Stop all
Product Group Sale Codes	
40 Cigarettes	50 Magazines
41 Drinks	51 2 Stroke
42 Sweets	52 Tackle
43 Accessory	53 Bait
44 Icecreams	54 Kero
45 Oils	55 Hire
46 Food	56 Ice
47 Bottle Gas	57 News
48 Milk	58 Car Wash
49 Bread	59
->	

Enter the product code number using the <number> keys and press <Enter> .

Follow the process described above to complete the sale.

4.6 Voucher Sale

A voucher sale allows the operator to enter a discount amount of between 1¢ and 9¢ per litre. The discount rate that is entered is then applied to the fuel sale in the sale box at that time.

Product	Qty	Amount
1 P01 UNLEADED	27.64	37.51
Check errors!		Total 37.51
Item		
Discount amount?: 5		

Select the pump <number>.

Press the <Voucher> key.

Enter the discount rate and press <Enter>.

4.7 Other Sales

Other sales are used for processing proprietary cards (for example a Fleet Card) and personal account card holders.

Product	Qty	Amount
1 P01 UNLEADED	27.64	37.51
Discount Total 36.13		
Swipe card, 0 = Key in card #		
Select Method of payment		
Method of payment?:		

Select the pump <number>.

Press the <Other> key.

Select the Method of Payment to be used by either swiping the magnetic card or pressing the <0> key to manually enter the card number.

If a SWIPE READER is used, the Card Number is automatically entered into the sale box.

Product	Qty	Amount
1 P01 UNLEADED	27.64	37.51
Discount Total 36.13		
Card: 0000000011		
Account ok? - Yes(1)/No(0)		

Press <Yes> or <No> key to proceed.

	Product	Qty	Amount
1	P01 UNLEADED	27.64	37.51
			Total 36.13
Card: 0000000011			
Enter PIN ****			

Enter the PIN number

	Product	Qty	Amount
1	P01 UNLEADED	27.64	37.51
			Total 36.13
Card: 0000000011			
Enter odometer 27893			

Enter the odometer value

Press <Yes> or <No> for receipt.

4.8 Check Errors!

If the “*Check errors!*” message appears in the sales box this indicates that there is a fault that the system has detected a problem with the receipt printer, customer display, UPS, or the video monitor.

The fault is not regarded as fatal, and the system will still allow transactions to occur and be processed.

The error can be checked and cleared using the Test/Error option in the menu. (refer Section 5.7)

5. Menu

This section explains the options that appear when the <Menu> key is pressed. Many of the options are not accessible once the default passcode for the FC6000 has been changed.

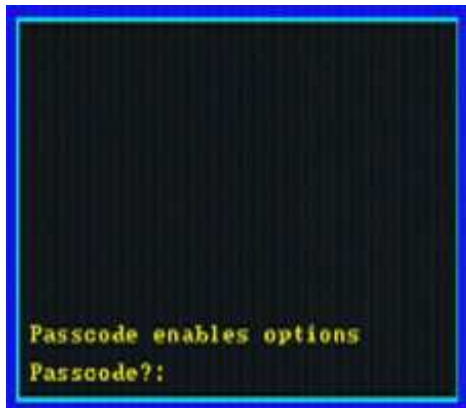


Menu items that are accessible appear in **blue Text**. Items that are **NON ACCESSIBLE** appear in **red text**.

Passcode protection is *not provided* on menu selections *if the passcode remains at the default setting* (of '000000'). The passcode is changed via the menu/keypad on the front of the FC6000 – Refer to The FC6000 Installation and Configuration Manual.

5.1 Passcode

Select <Option 1- Passcode> and enter the six digit passcode. This gives full access to the passcode protected options in the menu.



Accessible menu items are shown in blue and remain available until the operator exits from the menu.



Pressing <Esc> while in the menu option will EXIT the menu and return to sales screen.

5.2 Tank Menu

<Option 2 – Tank menu> shows three options.



Enter the relevant number of the option required.

5.2.1 View Tanks

This option displays the current capacities and setup information for each tank that is being used. There is also a graphical “meter” on the left side of each tank display representing the remaining fuel volume.

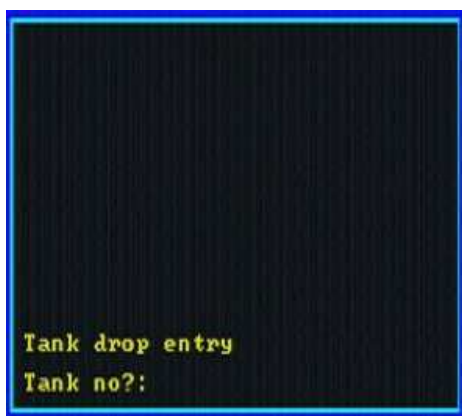


PARAMETER	MEANING
STATUS	
VOLUME	The volume of fuel available in this tank
WEIGHT*	The specific weight of a standard volume of this fuel at a specified temperature
CAPACITY	The total usable capacity of this tank
ULLAGE	The empty volume (headspace left in the tank (usually equal to (usable capacity – remaining volume)
TEMP*	The current temperature of the tank
COMP VOL*	The compensated volume of remaining fuel due to temperature
ALARM LO	The fuel volume at which the low level alarm is triggered
ALARM HI	The fuel volume at which the high level alarm is triggered
WATER*	The volume of water in the bottom of the tank.

* These tank parameters are normally provided by an automatic gauging system fitted to the tank.

5.2.2 Deliveries

Use this option to add a known quantity (volume) of fuel to a tank at a delivery.



First select the tank number.



Then enter the delivery quantity in litres followed by the <Enter> key.

5.2.3 Dips

This option is used to update the remaining fuel volume of a tank after a dipstick measurement has been taken.

Tank No	Product	Litres	Capacity
1	UNLEADED	41000	50000
2	DIESEL	21882	40000

Esc Return to menu
Enter tank no. to change level
No?:

First select the tank number and then enter the current volume (level) in litres.

5.2.4 Meters

This option updates the FC6000 reports with the current value of the pump meter readings.

Pump no?:

First enter the *pump number*, then the *hose number* and finally the *meter reading*.

5.3 Report Menu

There are nine reports available (options 1 to 9). These are displayed on the video screen, one page at a time, and may be printed at either the audit trail printer or the receipt printer if required.

If a report option is displayed in red, then the correct passcode is required for access (use the *Enter passcode* option on main menu).



Enter the report number (1 to 9) to open a report type.

5.3.1 Non-Resettable

This report shows the accumulated total value of fuel transactions by pump and by product, together with totals for dry-stock transactions and methods of payment.

Pump totals are able to be set so as to match pump mechanical or electronic totals if required. Pump totals are “Passcode” protected and therefore can only be changed by authorised access.

Press the <Enter> key to print this report.

Scroll down with Down-Arrow Enter to print
Esc quits

NON-RESETTABLE TOTALS			
ADELAIDE WATCHES			
2 Hamra Drive, Export Park			
Adelaide Airport			
South Australia 5950			
Site #1			
15/10/08 10:06am			
PUMP TOTALS			
LRP	P1H1	1957.98L	\$3508.36
		48378.94L	\$56769.81
DIESEL	P2H1	4227.26L	\$6301.99
		13383.11L	\$17041.05
ADBLUE	P3H1	175.65L	\$281.02
		2325.31L	\$12365.44
PRODUCT GROUP TOTALS			
40	Cigarettes	23.00	\$240.43
41	Drinks	4.00	\$31.22
42	Sweets	15.00	\$331.75
43	Accessory	4.00	\$117.58
44	Icecreams	4.00	\$4.65
45	Oils	5.00	\$69.99
46	Food	20.00	\$267.00
47	Bottle Gas	3.00	\$0.49
48	Milk	3.00	\$12.50
49	Bread	122.00	\$588.21
50	Magazines	1.00	\$0.00
51	2 Stroke	2.00	\$0.00
52	Tackle	1.00	\$0.52
53	Bait	1.00	\$5.00
54	Kero	2.00	\$10.00
55	Hire	2.00	\$0.88
	Pumps	6360.89L	\$10091.37
	Products	211.00	\$4660.22
	Drive off		\$101.88
			\$14853.47
	Cash		\$534.13
	Credit		\$6.86
	Other		\$900.78
	Amex		\$1.25
	Card		\$296.49
	Eft		-\$99.01

Totals that appear in **red text** represent values that are uploaded directly from the pumps.

These values will only appear if the pump is of a type that supports the transmission of electronic totals.

5.3.2 Shift

This report shows the accumulated totals for the current shift period ie – since the shift was last reset (eg. a <roll shift>). It contains the same information as the non-resettable totals report.

Scroll down with Down-Arrow Enter to print
Esc quits

```

SHIFT REPORT
ADELAIDE WATCHES
2 Hamra Drive, Export Park
Adelaide Airport
South Australia 5950
Site #1
15/10/08 10:06am
Start date:08/10/08 03:04pm

PUMP TOTALS
LRP      PIH1      424.00L      $665.97
DIESEL    P2H1      183.53L      $287.96
ADBLUE    P3H1        0.00L        $0.00

PRODUCT GROUP TOTALS
49 Bread      2.00      $8.88
Pumps        607.53L    $953.93
Products      2.00      $8.88
Drive off          $47.15
                $1009.96

Cash          $207.83
Other         $457.47
Card          $296.49
                $961.79

Discount      1          $1.04

Till float          $218.55
Net cash          $426.38
GST              $40.31

Manual sale      1

UNLEADED tank reconciliation data
Tank # 1 theoretical
DATE      TIME      LITRES
Capacity          50000
Start level 08/10/08 03:04pm 41000
End level 15/10/08 10:06am 41000
Throughput:

```

The procedure for resetting shift totals is described in Section 5.3.4 Roll Shift.

5.3.3 Date Range

The system will snapshot (store a record) of all non-zero totals for pumps, dry-stock categories, and methods of payment for the period of the entered date range. Having nominated the date period, the time of day for commencing the snap shot can be set via an option to occur at either midnight or at the time when the shift totals were last reset. If the system is configured for snapping at midnight, and is turned off overnight, then the snapshot will occur when the controller is next turned-on.

Snapshots are stored in a rotating buffer in which new records over-write the oldest available records.

The date range report prompt shows the date of the oldest available record.

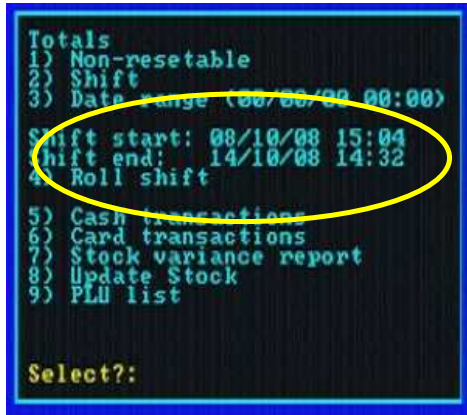
The date range report uses these snapshots to show totals accumulated between any nominated start and end date.

Dates are entered as two digit numbers for day month and year. Hence 2nd June 2001 is entered as 020601.

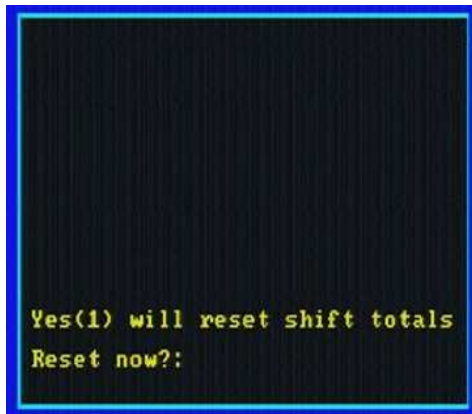
5.3.4 Roll Shift

Rolling the shift will reset the shift totals. Totals shown will be those since the last time shift totals were viewed (via the shift report option).

Above the roll shift prompt in the Report Menu the *Shift start* date and time and *Shift end* date and time are displayed. *Shift start* is the date the shift period began and the *Shift end* is the last time the shift report option was invoked. Or in other words, the date up until which shift totals will be reset.



When the roll shift option is invoked the screen will show the message:



If Yes(1) is pressed the shift totals will be reset.

If Yes is pressed then a snapshot of all non-zero totals will be taken as mentioned in the date range report option described above.

5.3.5 Cash Transactions

This report shows cash transactions only, including any that were made on account cards (Other Sales).

Scroll down with Down-Arrow Enter to print 15/10/08 10:07:20

Esc quits

P01 LRP	1.5675/L	26.01L	\$40.75	14/10/08	02:33pm	0341	Cash
P01 LRP	1.5675/L	0.00L	\$0.00	14/10/08	02:13pm	0340	Cash
49 Goulburn pears	1.00	\$5.55		14/10/08	11:32am	0339	#10
P01 LRP	1.5675/L	41.58L	\$64.84	14/10/08	11:32am	0338	Cash
P01 LRP	1.5675/L	24.80L	\$38.86	13/10/08	03:48pm	0337	Cash
49 GC beetroot	1.00	\$3.33					
P01 LRP	1.5675/L	17.16L	\$26.89	10/10/08	02:44pm	0000	Cash
P01 LRP	1.5675/L	10.12L	\$15.86	09/10/08	03:41pm	0022	Other
P01 LRP	1.5675/L	33.26L	\$52.11				
P01 LRP	1.5675/L	64.80L	\$101.54	09/10/08	02:58pm	0022	Other
P01 LRP	1.6595/L	8.55L	\$14.18	08/10/08	03:35pm	0022	#9000000001
P02 DIESEL	1.5695/L	183.53L	\$287.96	08/10/08	03:35pm	0021	Other
P01 LRP	1.6595/L	12.05L	\$20.00	08/10/08	03:16pm	0021	#9000000001
P01 LRP	1.6595/L	32.10L	\$53.26	08/10/08	11:28am	0330	Cash
P01 LRP	1.6595/L	14.76L	\$24.49	08/10/08	11:26am	0329	Cash
P02 DIESEL	1.5695/L	50.00L	\$0.06	08/10/08	10:49am	0020	Credit
P01 LRP	1.6595/L	18.33L	\$30.40	08/10/08	10:49am	0020	Other
P01 LRP	1.6595/L	18.33L	\$30.40				
42 Sweets	-1.00	-\$6.98		08/10/08	10:48am	0020	Cash
42 Sweets	1.00	\$6.66		08/10/08	10:45am	0020	Credit
70 Ac payment	-1.00	-\$100.00		08/10/08	10:40am	0020	Cash #11
40 Cigarettes	1.00	\$0.99		08/10/08	10:39am	0019	#11
61 Pay out	1.00	\$10.00		08/10/08	10:35am	0018	Cash
P01 LRP	1.6595/L	20.12L	\$33.37	08/10/08	10:33am	0018	Test
40 Cigarettes	1.00	\$11.11		08/10/08	10:33am	0018	Other
P01 LRP	1.6595/L	29.90L	\$49.60				
P01 LRP	1.6595/L	11.43L	\$18.96	08/10/08	10:13am	0018	Other
P01 LRP	1.6595/L	143.86L	\$238.67	08/10/08	10:10am	0018	Other
P01 LRP	1.6595/L	10.59L	\$17.57				
P01 LRP	1.5675/L	75.96L	\$119.03	08/10/08	09:21am	0018	Cash
49 GC beetroot	2.00	\$6.66					
P01 LRP	1.5675/L	11.41L	\$17.88	07/10/08	02:16pm	0018	#9000000001
P01 UNLEADED	1.3575/L	21.93L	\$29.75	07/10/08	01:07pm	0017	Other
P01 UNLEADED	1.3575/L	10.45L	\$14.17	07/10/08	12:30pm	0017	#9000000001
P01 UNLEADED	1.3575/L	12.42L	\$16.85	07/10/08	12:30pm	0000	Other
P01 UNLEADED	1.3575/L	12.42L	\$16.85	07/10/08	12:01pm	0016	#9000000001
P01 UNLEADED	1.3575/L	57.69L	\$78.28	07/10/08	11:55am	0015	Other
P01 UNLEADED	1.3575/L	57.69L	\$78.28	07/10/08	11:47am	0015	#9000000001
P01 UNLEADED	1.3575/L	23.31L	\$31.63	07/10/08	11:44am	0014	Other
P01 UNLEADED	1.3575/L	23.31L	\$31.63	07/10/08	11:35am	0014	#9000000001
P01 UNLEADED	1.3575/L	24.24L	\$32.89	07/10/08	11:17am	0013	Other
P01 UNLEADED	1.3575/L	24.24L	\$32.89	07/10/08	11:10am	0013	#9000000001
P01 UNLEADED	1.3575/L	15.25L	\$20.69	07/10/08	11:09am	0000	Cash
P01 UNLEADED	1.3575/L	49.95L	\$67.78	07/10/08	09:41am	0012	Cash
P01 UNLEADED	1.3575/L	49.95L	\$67.78	07/10/08	09:38am	0012	#9000000001
P01 UNLEADED	1.3575/L	40.63L	\$55.14	07/10/08	09:33am	0011	#9000000001

The amount of transactions shown is limited to a maximum of approximately 500. There is no time limit, only that of the buffer capacity of the FC6000.

5.3.6 Reprinting a Receipt

To reprint a receipt for any of the transactions shown;

- Press the <Enter> key
- Enter the sequence number associated with the required transaction (second last column)
- Select the printer to print the receipt

5.3.7 Card Transactions

This report is similar to the cash transactions report but highlights only the card transactions.

Scroll down with Down-Arrow Enter to print 15/10/08 10:07:31

Esc quits

Card #1									
04/02/08	02:41pm	0154	P01	UNLEADED	1.280\$/L	201.98L	\$258.53		
04/02/08	04:03pm	0155	P01	UNLEADED	1.280\$/L	48.69L	\$62.32		
12/02/08	02:56pm	2001	P01	LRP	1.280\$/L	45.02L	\$57.62		
12/02/08	03:36pm	2002	P01	UNLEADED	1.280\$/L	22.65L	\$28.99		
22/04/08	11:43am	2018	P01	UNLEADED	1.369\$/L	8.62L	\$11.80		
22/04/08	11:50am	2019	40	Cigarettes		1.00	\$10.00		
22/04/08	11:52am	2020	40	Cigarettes		1.00	\$10.00		
22/04/08	11:56am	2021	40	Cigarettes		1.00	\$10.00		
22/04/08	03:02pm	2022	49	Goulburn pears		2.00	\$11.10		
22/04/08	03:02pm	2023	49	GC beetroot		1.00	\$8.76		
			40	Cigarettes		1.00	\$5.55		
LRP					45.02		\$57.62		
UNLEADED					281.94		\$361.64		
							\$419.26		
Card #2									
21/04/08	05:14pm	2017	40	Cigarettes		1.00	\$8.88		
Card #3									
22/04/08	03:30pm	2024	70	Ac payment		-1.00	-\$100.00		
Card #10									
09/10/08	04:01pm	2108	P01	LRP	1.567\$/L	56.95L	\$89.24		
09/10/08	04:02pm	2109	P01	LRP	1.567\$/L	34.03L	\$53.32		
09/10/08	04:03pm	2110	P01	LRP	1.567\$/L	55.32L	\$86.68		
14/10/08	11:32am	2111	49	Goulburn pears		1.00	\$5.55		
LRP					146.30		\$229.24		
Card #11									
08/10/08	10:39am	0019	40	Cigarettes		1.00	\$0.99		
08/10/08	10:40am	0020	70	Ac payment		-1.00	-\$100.00		
09/10/08	04:00pm	2107	P01	LRP	1.567\$/L	39.37L	\$61.70		
LRP					39.37		\$61.70		
Card #17									
29/07/08	11:08am	2088	P01	UNLEADED	1.475\$/L	22.52L	\$33.22		
		46		Food		1.00	\$5.00		
29/07/08	11:17am	2089	P01	UNLEADED	1.475\$/L	9.83L	\$14.51		
11/08/08	11:40am	2090	P01	UNLEADED	1.475\$/L	20.34L	\$30.00		
11/08/08	11:50am	2091	P01	UNLEADED	1.475\$/L	42.11L	\$62.11		
11/08/08	12:00pm	2092	P01	UNLEADED	1.475\$/L	25.88L	\$38.18		
11/08/08	12:11pm	2093	P01	UNLEADED	1.475\$/L	26.34L	\$38.85		
11/08/08	12:16pm	2094	P01	UNLEADED	1.475\$/L	14.51L	\$21.41		
11/08/08	12:26pm	2095	P01	UNLEADED	1.475\$/L	17.16L	\$25.93		
11/08/08	01:07pm	2096	P01	UNLEADED	1.475\$/L	42.24L	\$62.31		
11/08/08	01:17pm	2097	P01	UNLEADED	1.475\$/L	12.81L	\$18.90		
11/08/08	01:27pm	2098	P01	UNLEADED	1.475\$/L	99.30L	\$149.99		
11/08/08	01:29pm	2099	P01	UNLEADED	1.475\$/L	14.48L	\$21.35		

Over 6000 card transactions can be held in the FC6000. However, when the FC6000 uploads its data via a TRANSHOST software link, the transaction memory buffer is cleared.

5.3.8 Stock Variance Report

The Stock Variance report shows the total number of items sold under each department (Product Group) heading number.

The report will show stock numbers entered since the last time the stock levels were reset (Update Stock).

```
Scroll down with Down-Arrow      Enter to print
Esc quits

STOCK VARIANCE REPORT
ADELAIDE WATCHES
2 Hamra Drive, Export Park
Adelaide Airport
South Australia 5950
Site #1
15/10/08 10:07am

Department 40 Cigarettes 76
Department 41 Drinks 89
Department 42 Sweets 166
Department 43 Accessory 241
Department 44 Icecreams 28
Department 45 Oils 35
Department 46 Food 25
Department 47 Bottle Gas 47
Department 48 Milk 151
Department 49 Bread 45
Department 50 Magazines 27
Department 51 2 Stroke 6
Total 936
```

5.3.9 Update Stock

This option updates all stock totals to their individual default number, as defined by “Set Stock Levels” in the Product Group options.

```
Yes(1) updates stock totals
Update now?:
```

5.3.10 PLU List

This report lists all of the Price Look Up (PLU) codes held in the system.

Scroll down with Down-Arrow Enter to print
Esc quits

PLU SUMMARY REPORT
ADELAIDE WATCHES
2 Hamra Drive, Export Park
Adelaide Airport
South Australia 5950
Site #1
15/10/08 10:07am

Department 40	Cigarettes		
Name	PLU	Price	QOH
ALPINE FILTER	0000093210867	10.30	0
ALPINE XTRA LGH	0000093216081	10.30	0
B&H CLASSIC	0000093214438	10.50	0
B&H SMOOTH	0000093214445	10.50	0
B&H FINE	0000093219860	10.50	0
B&H MEDIUM	0000093386593	10.50	0
CAPTAIN BLACK	0071737497005	11.80	0
CAPSTAN 50GM	9310797050203	23.17	100
CHAMPION	9310797050401	22.37	50
DR PAT	9310797050500	23.23	20
DRUM 50GM	8710900061002	22.77	60
DRUM MILD	8710900061156	44.44	90
DRUM XTRA MILD	8710900061187	22.77	53
DUNHILL INTER	0000093212892	10.40	0
DUNHILL DISTINC	9310797245531	10.50	100
DUNHILL MILD25	9310797245548	10.50	0
DUNHILL ULTRA	9310797245555	10.50	0
ESCORT RED 35	9310797006132	13.40	40
ESCORT BLUE35	9310797006163	13.40	0
ESCORT 4MG	9310797006194	13.40	0
ESCORT 2MG	9310797006217	13.40	0
ESCORT 1MG	9310797006231	13.40	0
ESCORT RED 20	9310797240604	7.85	0
ESCORT BLUE 20	9310797240635	7.85	0
ESCORT ULTRA20	9310797240727	7.85	0
HOLIDAY 12	0000009338624	7.30	0
HOLIDAY MENTH	20000093317337	7.30	0
HOLIDAY GREY 20	00000093317344	7.30	0
HOLIDAY 12 20	00000093318624	7.30	0
HOLIDAY SUPER 20	00000093318631	7.30	0
HOLIDAY MENTHOL	9310797242400	7.30	0
HOLIDAY12 50	9310797244305	17.50	0
HOLIDAY8 50	9310797244329	17.50	0
HOLIDAY4 50	9310797244367	17.50	0

5.4 Prices

This option is used to set fuel prices for the site. Two additional price schedules are also available and are used to establish fuel pricing that can be manually invoked as required. There is also an option to automatically invoke Schedule 2 pricing at a predetermined time during the day.

Product No	Product Name	Active Prices	Schedule 1 Prices	Schedule 2 Prices
01	LRP	1.567	1.659	1.567
02	UNLEADED	1.357	1.475	1.357
03	DIESEL	1.025	1.569	1.025
04	ADBLUE	1.234	1.525	1.234
05	LPG	0.000	0.000	0.000
06		0.000	0.000	0.000
07		0.000	0.000	0.000
08		0.000	0.000	0.000
09		0.000	0.000	0.000
10		0.000	0.000	0.000
11		0.000	0.000	0.000
12		0.000	0.000	0.000
13		0.000	0.000	0.000
14		0.000	0.000	0.000
15		0.000	0.000	0.000
16		0.000	0.000	0.000
17		0.000	0.000	0.000
18		0.000	0.000	0.000
19		0.000	0.000	0.000
20		0.000	0.000	0.000

1) Edit Schedule 1
2) Edit Schedule 2
Esc Return to menu

3) Set Schedule 1 Active
4) Set Schedule 2 Active
5) Auto-activate Schedule 2 at FF:FF
6) Edit product names

Select?:

There are three columns of prices for each fuel displayed. These are labelled *Active Prices*, *Schedule 1 Prices*, and *Schedule 2 Prices*. The *Active Prices* column shows the schedule currently in use. Either schedule can be edited and activated by following the instructions shown on the screen.

The *Edit product names* option is used to set the fuel names that are to be used by the system.

5.5 Pump Mode

This option is used to set the mode of operation of the pumps. There are three columns of modes for each pump displayed. These are labelled *Active Setup*, *Setup 1* and *Setup 2*.

Pump No	Active Setup	Setup 1	Setup 2
01	Auto-hold	Auto-hold	Standalone
02	Auto-hold	Auto-hold	Standalone
03	Auto-hold	Auto-hold	Standalone
04	Auto-hold	Auto-hold	Standalone
05	Auto-hold	Auto-hold	Standalone
06	Auto-hold	Auto-hold	Standalone
07	Auto-hold	Auto-hold	Standalone
08	Auto-hold	Auto-hold	Standalone
09	Auto-hold	Auto-hold	Standalone
10	Auto-hold	Auto-hold	Standalone
11	Auto-hold	Auto-hold	Standalone
12	Auto-hold	Auto-hold	Standalone
13	Auto-hold	Auto-hold	Standalone
14	Auto-hold	Auto-hold	Standalone
15	Auto-hold	Auto-hold	Standalone
16	Auto-hold	Auto-hold	Standalone
17	Auto-hold	Auto-hold	Standalone
18	Auto-hold	Auto-hold	Standalone
19	Auto-hold	Auto-hold	Standalone
20	Auto-hold	Auto-hold	Standalone
21	Auto-hold	Auto-hold	Standalone
22	Auto-hold	Auto-hold	Standalone
23	Auto-hold	Auto-hold	Standalone
24	Auto-hold	Auto-hold	Standalone
25	Auto-hold	Auto-hold	Standalone
26	Auto-hold	Auto-hold	Standalone
27	Auto-hold	Auto-hold	Standalone
28	Auto-hold	Auto-hold	Standalone
29	Auto-hold	Auto-hold	Standalone
30	Auto-hold	Auto-hold	Standalone
31	Auto-hold	Auto-hold	Standalone
32	Auto-hold	Auto-hold	Standalone

1) Edit Setup 1	3) Set Setup 1 Active
2) Edit Setup 2	4) Set Setup 2 Active
Esc Return to pumps	
Select?:	

The *Active Setup* column shows the setup currently in use. Either setup can be edited and activated by following the instructions shown on the screen.

There are three modes of pump operation available. These are described in section 4 (Authorising and processing transactions).

5.6 Product Groups

When the system is configured for cash register operation 20 non-fuel product group are provided. These are numbered 40 to 59. This option enables the names and default prices of each group to be configured.

Group No	Group Name	Amount	GST
40	Cigarettes	12.34	*
41	Drinks	0.12	*
42	Sweets	1.23	*
43	Accessory	0.00	*
44	Icecreams	0.00	*
45	Oils	0.00	*
46	Food	0.00	*
47	Bottle Gas	0.00	*
48	Milk	0.00	
49	Bread	0.00	
50	Magazines	0.00	
51	2 Stroke	0.00	
52	Tackle	10.00	
53	Bait	0.00	
54	Kero	0.00	
55	Hire	0.00	
56	Ice	0.00	
57	News	0.00	
58	Car Wash	0.00	
59		0.00	

Esc	Return to menu
1)	Edit group names
2)	Edit group amounts
3)	Toggle GST
4)	Edit PLUs
5)	Set Stock levels
	Select?:

Generally a special keyboard option is added to the standard keyboard with additional keys labelled with the name of each group.

Editing the group names requires alphabetical keys. Hence a standard IBM-compatible computer keyboard may be plugged into the system. When using this keyboard, numbers must be entered using the numeric keys on the right of the keyboard rather than the row at the top.

- Edit Group Amounts – sets the \$value that is shown in the sale box when a group key is pressed.
- Toggle GST – sets the item to be recorded for GST or not
- Edit PLUs – allows entry of the barcode number of the item.
- Set Stock Levels – sets the Quantity on Hand for each stock item.

5.6.1 Entry or Edit of Product Look Up (PLU) code

Product Look Up (PLU) codes are used to uniquely identify drystock items. For small in-store drystock holding (say 10 to 50 different items), a simple PLU number between 1 and 9999 may be sufficient.

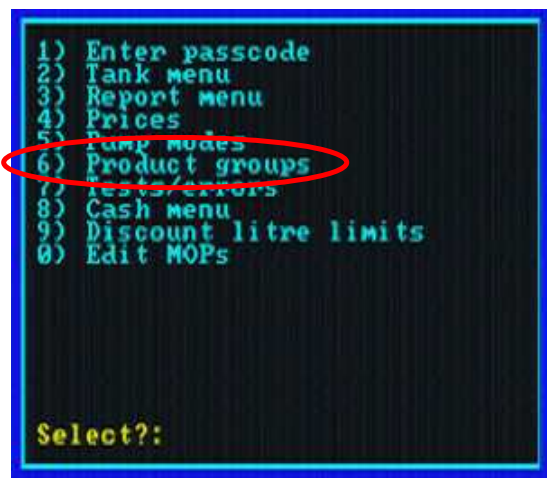
Sales of a particular item are then simply entered by using the numeric (0 to 9) keys on the keyboard.

For larger in-store stock holding, it may be more convenient to use each product's pre-printed barcode number. Note: *This method is best performed using a Barcode Reader and T-Scan software option.*

However, if no barcode scanner option is used with the FC6000, the product barcode number can still be entered manually via the keyboard.

Procedure

From the main menu, select **6) Product groups**



Group No	Group Name	Amount	GST
40	Cigarettes	12.34	*
41	Drinks	0.12	*
42	Sweets	1.23	*
43	Accessory	0.00	*
44	Icecreams	0.00	*
45	Oils	0.00	*
46	Food	0.00	*
47	Bottle Gas	0.00	*
48	Milk	0.00	*
49	Bread	0.00	*
50	Magazines	0.00	*
51	2 Stroke	0.00	*
52	Tackle	10.00	*
53	Bait	0.00	*
54	Kero	0.00	*
55	Hire	0.00	*
56	Ice	0.00	*
57	News	0.00	*
58	Car Wash	0.00	*
59		0.00	*

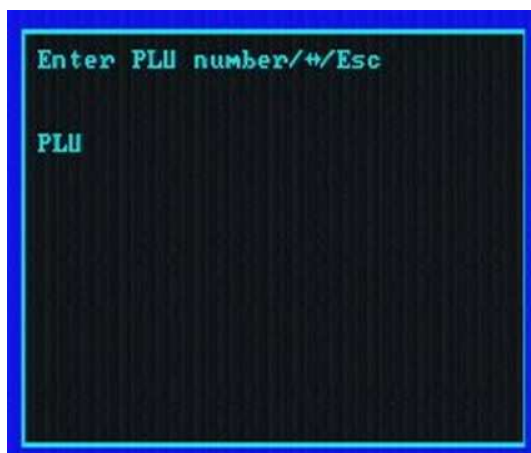

```

Esc Return to menu
1) Edit group names
2) Edit group amounts
3) Toggle GST
4) Edit PLUs
5) Set Stock levels

Select?:
  
```

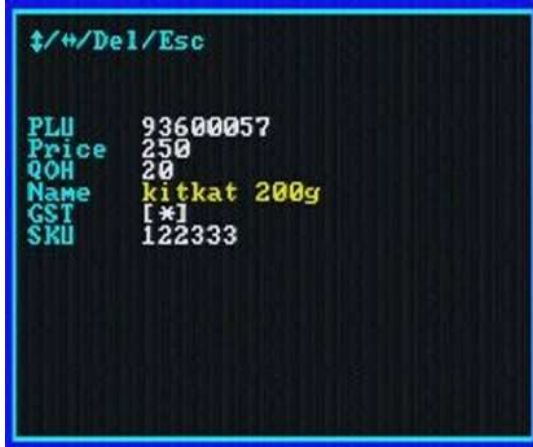
Once the Group screen menu is displayed, then:

- Press <4> Edit PLUs
- Enter a (existing) Group No, or enter an unused number (up to 59), press the <Enter> key.



EITHER type product's barcode number
OR scan the item's barcode.

- Edit each of the PLU fields shown, pressing <Enter> after each entry. The field being edited is shown in *yellow*.



Price – this is the product's price in CENTS (e.g. \$2.20 is entered as 220)

QOH – Quantity on hand

GST - Press the <Enter> key to toggle. * indicates GST is to be charged

SKU – (Stock Keeping Unit) is a second stock identification number if required.

Press <Esc> twice when finished.

Deleting a PLU

To delete a PLU from the FC6000, navigate to the Edit PLU screen as shown in Section 7.1 and type the PLU number OR scan the item's barcode.



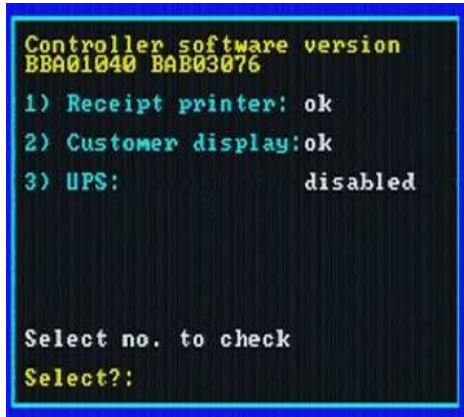
Press the <Delete> key.

Press <1> to delete the item, or <0> to return to the edit mode.

5.7 Tests/Errors

The system continually performs checks to ensure that all system components required for displaying transaction amounts are operating correctly. These components consist of the receipt printer, customer display, UPS and video screen. An fault in any one of these components is indicated when the message 'Check errors' appears in the sale box when the system is in its normal operating state..

The tests/errors screen shows the state of each of these components – either 'ok', 'error', or 'disabled'.



Once the error is addressed it can be cleared by keying the number corresponding to the component.

A receipt printer error occurs if the printer is unplugged or runs out of paper.

A customer display error indicates that the display is unplugged.

A UPS error indicates that the UPS detection cable is unplugged, or that the system is operating on battery power.

5.8 Cash Menu

The cash menu provides an up to date display of the amount of monies that the system as calculated to be in the cash draw. The amount includes the initial float amount at the start of the shift.

The menu option “Add drop” allows the operator the ability to record amounts of money (drop) that are removed from the cash draw and passed for storage into a safe. The amount of a drop will be recorded in the Shift Report. The final “Add drop” (of a shift) may be used to reset the float value for the next shift takeover.



The option to “Set drop alarm threshold” provides a way for the system to alert the operator when a certain amount of money has accumulated in the cash draw. A screen message is displayed when this threshold level is reached.

5.9 Discount Litre Limits

The screen is used to set a limit on the amount of fuel that may be discounted at a particular level.



Discount rates between 1¢ and 9¢ per litre can be set.

A value of 000 means that there is NO limit to the discount volume.

5.10 Edit MOPs

The various conditions for Methods of Payment (MOP) that the FC6000 can use are set using this screen.

MOP Number	MOP Name	Cash Draw	Print Receipt	Tax Invoice	Payment Terminal	Percent Surcharge
01	Cash	*	*	*		0.0
02	Credit		*	*	*	2.1
03	Other		*			0.0
80	Cheque		*	*		0.0
81	Diners		*	*		0.0
82	Amex		*	*		0.0
83	UISA		*	*		0.0
84	Mastercard		*	*		0.0
85						0.0
86						0.0
87						0.0
88						0.0
89						0.0
90	555362abc					0.0
91						0.0
92						0.0
93						0.0
94						0.0
95						0.0

Esc Return to menu
 1) Edit MOP names
 2) Toggle Cash Draw
 3) Toggle Print Receipt
 4) Toggle Tax Invoice
 5) Toggle IPT
 6) Edit Surcharge
 Select?:

Editing the MOP names requires alphabetical keys. Hence a standard IBM-PS2 compatible QWERTY computer keyboard may be plugged into the system (refer to Section 8 for connection information). When using the QWERTY keyboard, numbers must be entered using the numeric keys on the right of the keyboard rather than the row at the top.

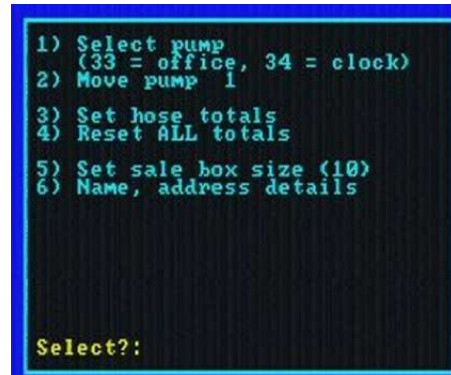
- Toggle Cash Draw – set the ability of the system to automatically open the cash draw at the completion of a sale. This is usual for cash sales; however credit card receipts and vouchers may be required to be stored in the cash draw as well.
- Toggle Print Receipt – set if the system is to automatically generate a receipt.
- Toggle Tax Invoice. – set if the system is to automatically show “Tax Invoice” on the printed receipt.
- Toggle IPT – sets whether an Indoor Payment Terminal can process a particular transaction. The transaction will be sent to the IPT automatically.
- Edit Surcharge – sets the percentage that is added to the value of a particular transaction.

5.11 Special Sub-Menu

The sub-menu is used for a number of special features, mainly required only on rare occasions.



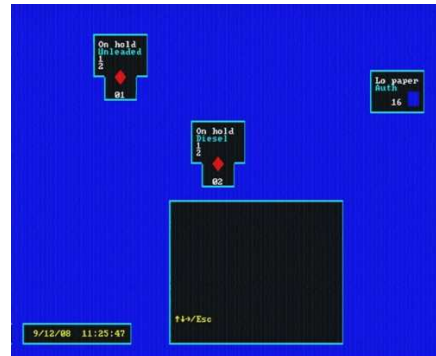
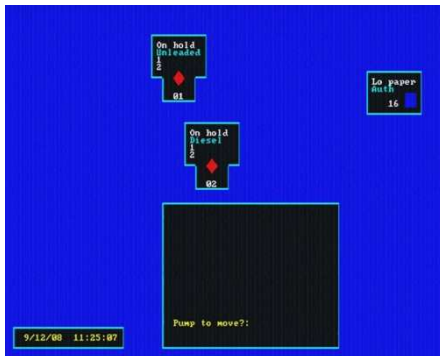
To access the special menu, press the <Menu> key TWICE.



Enter the correct Setup code. **Note:** *this code may not be the same as the “passcode”.*
Select the function required.

5.11.1 Move Screen Position of a Pump Icon

Use options <1> and <2> to select a pump number and move the position of its icon on the monitor screen.



Use the arrow keys to change the icons position on the screen and the <Esc> key to finish.

5.11.2 Set a Hose Total

This function is used to change the “electronic” value of a hose’s litre value to match the “totaliser” count (electro-mechanical counter) found on many fuel dispensers.

5.11.3 Reset ALL Totals

Used to reset all (electronic) hose totals to a zero count.

5.11.4 Set Sale Box Size

This option is used to change the size of the sale box on the monitor screen. Choose a value between 1 and 10 to change the size.



5.11.5 Name and Address Details

This option is used to enter or modify the name and address details that are to be printed on RECEIPTS.



Note: a QWERTY keyboard is required to be plugged into the standard keyboard to enter or modify details. (Refer to Section 8 for connection details)

6. Operational Procedures

6.1 Power on the FC6000

- There is no On / Off switch on the controller
- Make sure the power point to the UPS (Battery Backup) is turned on and the switch on the UPS is in the “On” position.
- Make sure the monitors power button (usually located on the bottom right hand corner of the display) is turned on.

Note: *If the unit has been turned off, it will take approx. 1 minute to startup.*

6.2 Start of Day

- If the pumps have been “All Stopped” Press <1> and <Toggle Pump>
- Press the <No SALE> key to open the cash drawer.
- Insert the cash drawer float.

Note: *In order to reconcile the cash at the end of the shift, the exact amount of the float needs to be known. Most sites start with a \$300.00 float*

- Commence trading.

6.3 End of Shift

- Wait for a clear forecourt
- Press the < All Stop > key to stop communications to the pumps
- Press the < No Sale > key to open the cash drawer
- Count the money in the till and subtract the opening float value to work out the closing balance.
- Press the < Menu > key and then < 3 > for Report menu
- Press < 2 > for Shift option. Press <Enter> to print the shift report.

Note : *The start / end date and time of the shift that is printing appears on the screen.*

- Press < 2 > The shift report will print on the receipt printer
- Press <Esc> Three times to return to the main sales screen.

Note : *This report may be reprinted as many times during the day as required , as long as the shift is not rolled over.*

- Check the closing till balance (Remember to subtract the float!). This should equal the Net Cash figure on the shift report. If adjustments are needed, do it now before rolling the shift. After any adjustments reprint the shift as above.
- Press the < Menu > key and then < 3 > for Report menu
- Press < 4 > Roll Shift. This will reset all shift totals back to zero.
- Press <YES> key to reset.

- The system may prompt to Record the Day Totals depending on how it has been set up. If the day is not about to be closed, then Press < No >.
- Press < No > to accept the Till float
- Enter 000 as the Till float and press < Enter >
- Press < YES > to accept
- Press <ESC > key twice to return to the Main sales screen. The new console operator can now prepare to start their shift
- Press the <No SALE> key to open the cash drawer.
- Insert the cash drawer float.
***Note:** In order to reconcile the cash at the end of the shift, the exact amount of the float needs to be known. Most sites start with a \$300.00 float*
- Commence new shift.

6.4 End of Day

- Wait for a clear forecourt.
- Press the < All Stop > key to stop communications to the pumps.
- Record the Dips and Meters.
- Press the < No Sale > key to open the cash drawer.
- Count the money in the till and deduct the opening float to work out the closing balance.
- Press the < Menu > key and then < 3 > for Report menu.
- Press < 2 > for Shift option
- Press <Enter> to print the shift report.
***Note:** That the start / end date and time of the shift being printing appears on the screen*
- Press < 2 > The shift report will print on the receipt printer
- Press <Esc> Three times to return to the main sales screen.
***Note :** This report may be reprinted as many times during the day as required , as long as the shift is not rolled over.*
- Check the closing till balance (- Remember to subtract the float -) , this should equal the Net Cash figure on the shift report. If any adjustments are needed, do it now before rolling the shift !
- After any adjustments reprint the shift report
- Press the < Menu > key and then < 3 > for Report menu
- Press < 4 > Roll Shift. This will reset all shift totals back to zero
- Press <YES> key to reset
- The system may prompt to Record the Day totals depending on how it has been set up. Press < YES >
- Press < No > to accept the Till float
- Enter 000 as the Till float and press < Enter >

- Press < YES > to accept
 - Press <ESC > key to return to the Main menu
 - Press 3 for Date Range Report
 - Enter Start Date (Yesterday's Date), Press <Enter>
 - Enter the End Date (Today's Date) Press <Enter>
 - Press <Enter> to Print
 - Press <2> for Receipt Printer
 - Press <Esc> to Clear
 - Press <Esc> to return to Sales Screen
- Press the <No SALE> key to open the cash drawer. The new console operator can now prepare to start their shift.
- Insert the cash drawer float.
- Note:** In order to reconcile the cash at the end of the shift, the exact amount of the float needs to be known. Most sites start with a \$300.00 float*
- Commence the new shift.

6.5 Grade Price Change

- Press <Menu>
- Select Option <4>
- Press <1> to edit Schedule 1
- Enter grade number
- Enter price (exclude the decimal point)
- Continue with other grades, press <Esc> when finished
- Press <3> to set Schedule 1 active
- Press <Esc>. Pump will now price change

6.6 Editing a MOP

Selecting a particular option number will cause the action to toggle its state.

1. Edit MOP names – use a QWERTY keyboard for text entry (refer to Section 8).
2. Toggle Cash Draw – set the ability of the system to automatically open the cash draw at the completion of a sale. This is usual for cash sales; however credit card receipts and vouchers may be required to be stored in the cash draw as well.
3. Toggle Print Receipt – set if the system is to automatically generate a receipt.
4. Toggle Tax Invoice. – set if the system is to automatically generate a Tax Invoice.
5. Toggle IPT – set whether an Internal Payment Terminal can process a particular transaction.
6. Edit Surcharge – sets the percentage that is added to the value of a particular transaction.

Note: When using the QWERTY keyboard, numbers must be entered using the numeric keys on the right of the keyboard rather than the row at the top.

When using a standard 64-key keyboard, only the MOP numbers 01 (cash), 02 (credit) and 03 (other) are available. These MOPs are mapped to the main keyboard keys as shown.



6.7 To Add a Group or Onekey PLU

- Press <Menu>
- Press <6> Product group
- Press <1> Edit group names
- Enter group number
- Enter name and press <Enter>
- Press <Esc> to exit.

6.8 Setting Price for Onekey PLU

- Press <Menu>
- Press <6> Product group
- Press <2> Edit group amounts <Enter>
- Select group / one key PLU number <Enter>
- Enter amount <Enter>
- Press <Esc>.

6.9 To Toggle the GST for a Group or One key PLU

- Press <Menu>
- Select <6> Product group
- Press <3> Toggle GST

- Enter group number and press <Enter>. This will toggle the GST (* indicates GST is included)

6.10 Stocktake

- Press <Menu>
- Press <6> for product groups
- Press <5> to set stock levels
- Select the group by pressing required group key
- Scan item, then enter total quantity, then Press <Esc>
- Scan next item until done.
- Press <Esc> return to menu.
- Press <3> for reports
- Press <7> for stock variance report. Report will display on screen. To print, press <Enter> and press <2> to print report on receipt printer.
- To apply new stock levels press <Esc>, then press <8>, then press <yes> to update stock levels.

6.11 Price Overrides

- Scan the item
- To edit the price, press <Esc>
- Enter the correct price

6.12 Qty Override

- Scan the product
- Press <Esc> three times
- Enter the qty and press <Enter> twice

6.13 Deleting a Product

- Press the key and select the line number to be deleted.

6.14 Refunding a Product

- Scan the product
- Press the <refund> key
- Press <Yes> to refund
- Select the MOP key

6.15 Manual Barcode Entry (used when a barcode doesn't scan)

- Enter the last 5 (or more) digits and press <Enter>

6.16 Setting Safedrop Warning Levels

- Press <Menu>
- Press <8>
- Press <2> (Set drop alarm threshold) Press <Enter>
- Enter the safedrop level (No decimals)

6.17 Performing a Safedrop

- Press <Menu>
- Press <8>
- Press <1> (Add drop)
- Enter Safe drop amount and <Enter>
- Press <Yes> to accept. A receipt is printed automatically.

6.18 QTY Discount (Fuel) -Setting the Litre Amount Limit

- Press <Menu>
- Press <9>
- Set discount litre limit amount for each cents per litre rate required.

6.19 Performing a QTY Discount Sale

- Bring up fuel sale as normal
- Press the <Voucher> key
- Enter the discount amount (1c to 9c per litre)
- Select MOP

6.20 EFT Cashout

- Press <Cashout>
- Enter cash out amount and <Enter>

6.21 Split Payments

- Always enter Cash amount first, then finalise with other MOP

6.22 Finalising a Memory Sale

- Press the <pump> key
- Then select <Sale 1> or <Sale 2>

6.23 To Resume from an “ALL STOP”

- Press <1> and <Toggle Pump>. The pump will return to the previous Authorisation mode.

7. Special Forecourt Operations

7.1 Attendant Tagging

The FC6000 supports special “Attendant Tagging” procedures to reduce the possibility of cash loss. Typically, Attendant Tagging is implemented when driveway attendants (as distinct from the vehicle operators) are utilised to perform the sale of fuel products. The procedures are implemented via the use of a Customer Authorisation Station (CAS) located on the forecourt and a (central) FC6000 operator.

During a shift, each driveway attendant is issued with a “personal” iButton authorisation device that will provide the system with a method of identifying (tagging) the attendant who performed the transaction. Each iButton provides a unique 10-digit number that will be recorded against each transaction in the FC6000 database and printed on each transaction receipt. Tagged transaction details are also available when the FC6000 is linked remotely to TransHost software.

Note: *A register of the issue of iButton numbers must be undertaken by management to ensure accurate driveway attendant identification is maintained for each shift.*

7.2 Account Transactions

7.2.1 Driveway Attendant Actions

Typically, an **account** transaction sequence for a driveway attendant is:

1. At the CAS, swipe the white card provided by the customer,
2. Select a pump via the CAS keypad,
3. Enter the odometer reading for the vehicle (via the CAS keypad),
4. Present the iButton at the CAS for identification (the pump will now become authorised),
5. Deliver the fuel product from the authorised pump,
6. Swipe the customer’s card again to produce a Merchant Receipt,
7. Optionally print a Customer Receipt if requested,,
8. Have the vehicle operator sign the merchant receipt (and give them the Customer Receipt)
9. Present the signed merchant receipt to the FC6000 operator, who will then release the pump.

7.2.2 FC6000 Operator Actions

When a driveway attendant is performing a transaction via the CAS, the screen icon for the authorised pump will display the **Attendant ID** in **RED** after their iButton has been presented.

On completion of the transaction and upon presentation of the signed merchant receipt, the pump is released from its ‘on-hold’ condition by simply selecting the appropriate <P Sale> key.

Note: *Sale details will not be displayed in the screen sale box.*



7.3 Cash Transactions

Typically, the **cash** transaction sequence for a driveway attendant is:

1. Present the iButton at the CAS for identification (no need to enter an odometer reading)
2. Select the pump to be authorised,
3. Deliver the fuel product from the authorised pump,
4. Collect the cash payment from the customer,
5. Present the cash payment to the FC6000 operator (get receipt if required),
6. Give any change and transaction receipt to customer (FC6000 operator will release the pump).

7.3.1 FC6000 Operator Actions

When a driveway attendant is performing a cash transaction, the screen icon for the authorised pump will display the **Attendant ID** in **GREEN** after their iButton has been presented.



Upon presentation of the cash payment by the driveway attendant, the transaction is completed by selecting the appropriate <P Sale> key.



The sale details will be displayed in the screen sale box and the transaction is completed as per a normal cash sale.

8. Adding a Secondary (QWERTY) Keyboard

A secondary keyboard (IBM PS2 compatible) may be used to enter text for names such as fuel grade names and PLU (drystock) categories and product names. The QWERTY keyboard plugs into a DIN socket labelled “*Secondary Keyboard*”, which is located underneath the standard TT keyboard.

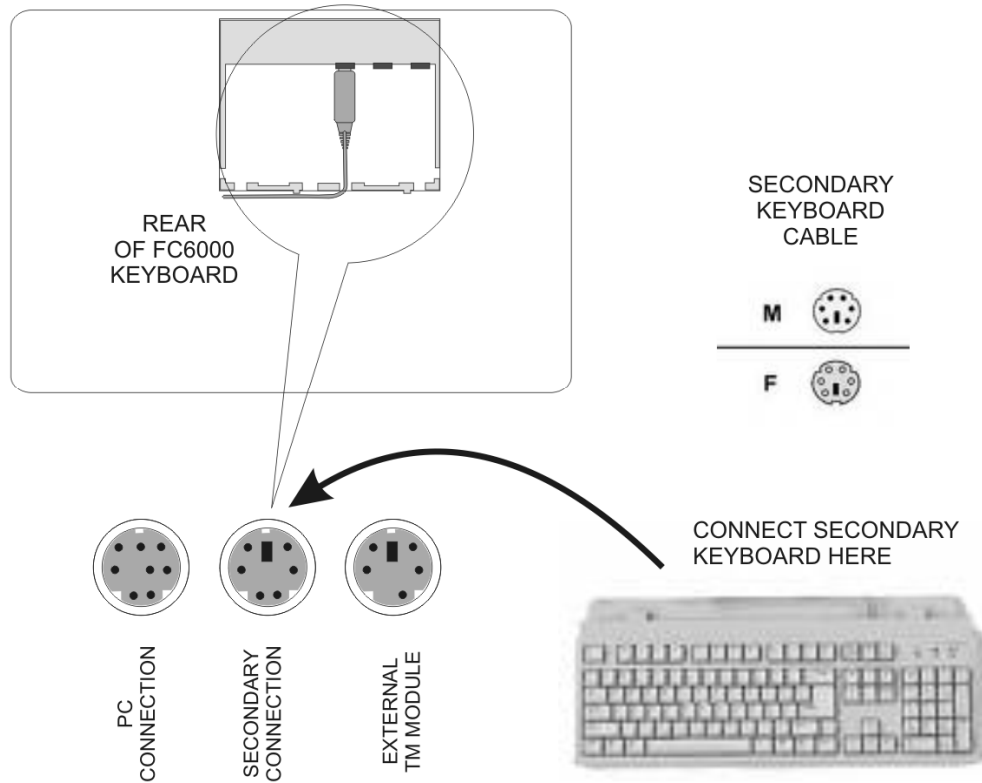


Figure 8-1: Secondary (QWERTY) Keyboard Connection

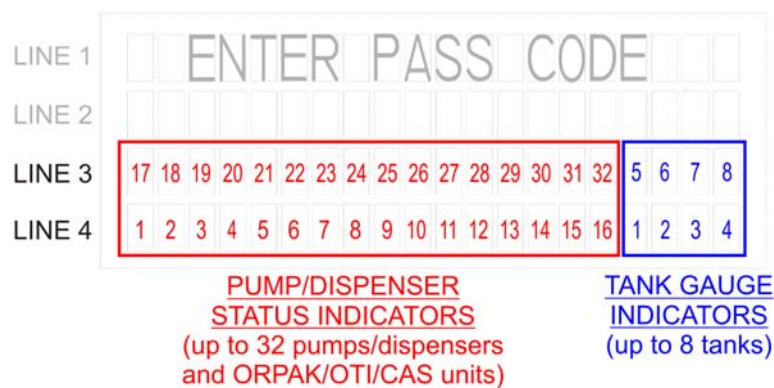
9. Using the Front Panel Display and Menu

The FC6000 has a four line configuration menu and information display and configurable parameters can be changed by using the keypad and display located on the front panel of the unit.

9.1 Forecourt Equipment Status Display

When the front panel menu is **not** in use, the display shows status of the forecourt equipment that is connected to the FC6000.

The two bottom display lines (3 and 4) are used to show the current (real-time) status of up to 32 pumps/dispensers and up to 8 tanks. A unique symbol is used to indicate the status of a particular unit, as described below.



Note: Position in the display is related to the forecourt network address.

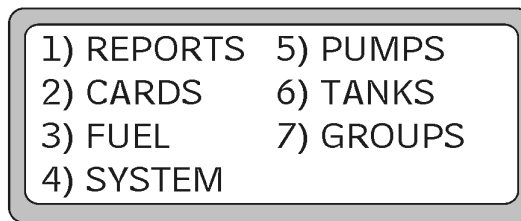
Displayed	Meaning of Symbol
Pump/Dispenser	
i	idle
s	dispensing – pre-delivery
d	dispensing
h	dispensing – on hold
o	dispensing – post delivery
u	in use (Postec only)
n	nozzle out – on hold
c	reserved for card sale
Tank Gauge	
i	idle
p	probe error
e	format error (parity etc)
r	out of range
ORPAK / OTI / CAS	
i	no nozzles present
a	one or more nozzles detected
L	lost vehicle contact (both nozzle and vehicle absent during delivery (OTI only)

9.2 Access to the Menu



CHANGES TO THE FC6000 CONFIGURATION SHOULD ONLY BE MADE BY SUITABLY TRAINED OR QUALIFIED PERSONS.

To access the menu system, a **passcode** is required. [Note: the factory default passcode is **000000**]



Menu items are shown on the four line display next to a number.
By selecting the particular number on the front keypad, that particular menu flow is entered.

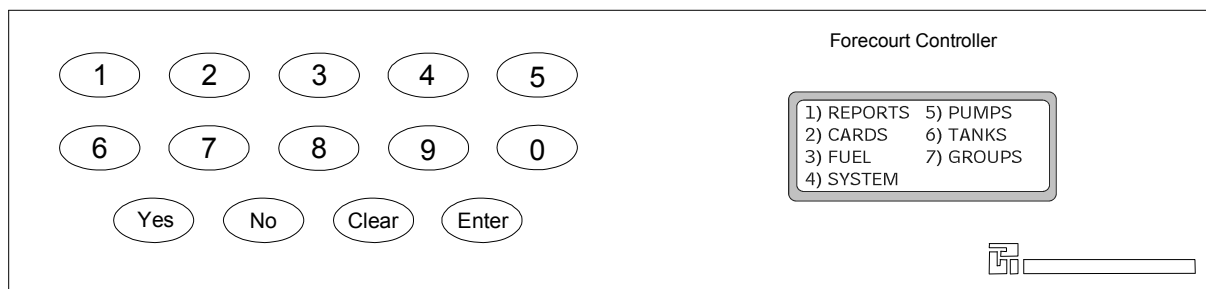


Table 9-1: Front Key Description

Key	Action or Description
<0 to 9>	Selects a menu number or a configuration option.
<Yes>	Moves down through a list.
<No>	Moves up through a list.
<Clear>	Removes current data entry.
<Enter>	Confirms current data entry.

9.3 Menu Description by Selection

9.3.1 Selection 1)-Reports

SUB-MENU SELECTION	DESCRIPTION
1) CARDS	(selecting this option prints a Cards Report)
2) TOTALS	1) SHIFT (selecting this option prints a Shift Report)
	2) TOTALS
	1) SHIFT (selecting this option prints report)
	2) NON-RESETABLE (selecting this option prints report)
	3) PRODUCT (by date range) requires START and END dates
	4) CARD (by date range) requires START and END dates
3) TANKS	(selecting this option prints report)
4) SETUP	(selecting this option prints report)
TRANSACTIONS:	
5) BUFFER	1) WHOLE BUFFER (selecting this option prints report)
	2) BUFFER BY DATE (requires START and END dates)
6) CURRENT	1) CURRENT (selecting this option prints report)
	2) CURRENT BY CARD (requires IDENTIFIER #) up to 13 digits
	3) DELETE (requires RE-ENTER PASSCODE) to delete transaction

9.3.2 Selection 2)-Cards

SUB-MENU SELECTION	DESCRIPTION
1) ID VALIDATION	1) #? (requires 13 digit card identifier)
	2) IS ? (FC6000 responds with VALID or INVALID)
	3) PIN (requires 4 digit number)
3) NETWORK SETUP	1) ACCESS/ISO 1 (requires 1) 5 digit ACCESS number and 2) 6 digit ISO number)
	2) ACCESS/ISO 2 (requires 1) 5 digit ACCESS number and 2) 6 digit ISO number)
	3) ACCESS/ISO 3 (requires 1) 5 digit ACCESS number and 2) 6 digit ISO number)
	4) ACCESS/ISO 4 (requires 1) 5 digit ACCESS number and 2) 6 digit ISO number)
4) PREAUTH AMOUNT	= \$xxxx (requires whole dollar amount – 4 digits - 1 to 9999 dollars)

9.3.3 Selection 3)-Fuel

SUB-MENU SELECTION	DESCRIPTION											
1) GRADE	Grade numbers between 01 to 48 may be used (default grades shown below)											
	<table border="0"> <tr> <td>01 = Lead Replacement Petrol (LRP)</td><td>07 = Kerosene (KERO)</td></tr> <tr> <td>02 = Unleaded Petrol (ULP)</td><td>08 = Aviation Fuel (AVGAS)</td></tr> <tr> <td>03 = Diesel (DIESEL)</td><td>09 = Aviation Jet Fuel (JET A1)</td></tr> <tr> <td>04 = Premium ULP (PULP)</td><td>10 = ADBLUE</td></tr> <tr> <td>05 = Liquefied Petroleum Gas (LPG)</td><td>11 = Ethanol Blend (E10)</td></tr> <tr> <td>06 = Oil (OIL)</td><td>12 = Ethanol (E85)</td></tr> </table>	01 = Lead Replacement Petrol (LRP)	07 = Kerosene (KERO)	02 = Unleaded Petrol (ULP)	08 = Aviation Fuel (AVGAS)	03 = Diesel (DIESEL)	09 = Aviation Jet Fuel (JET A1)	04 = Premium ULP (PULP)	10 = ADBLUE	05 = Liquefied Petroleum Gas (LPG)	11 = Ethanol Blend (E10)	06 = Oil (OIL)
01 = Lead Replacement Petrol (LRP)	07 = Kerosene (KERO)											
02 = Unleaded Petrol (ULP)	08 = Aviation Fuel (AVGAS)											
03 = Diesel (DIESEL)	09 = Aviation Jet Fuel (JET A1)											
04 = Premium ULP (PULP)	10 = ADBLUE											
05 = Liquefied Petroleum Gas (LPG)	11 = Ethanol Blend (E10)											
06 = Oil (OIL)	12 = Ethanol (E85)											
2) PRICE	The price per litre for selected grade (up to 3 decimal places \$x.xxx)											
3) DENSITY	Density of selected grade in Kilograms per Litre (1 decimal place xxx.x)											

9.3.4 Selection 4)-System

SUB-MENU SELECTION	DESCRIPTION
1) PASSCODE	This is a six digit number that allows both local and remote access to the FC6000. Factory default is 000000. The passcode may be changed if restriction of operator access (to parts of the video monitor menu) is required.
2) SITE NUM	This is a six digit number that is used to uniquely identify this particular FC6000. Factory default is 000001. It may be changed to distinguish different sites on a network for reporting purposes.
3) CLOCK	Sets the system date/time in the format of dd/mm/yy hh:mm
4) CFG A	Configuration A string. This is a 12 digit numeric string that controls the behaviour of certain aspects of the FC6000. Any change to this string <u>must</u> be done in consultation with Transponder Technologies. Refer to Section Error! Reference source not found.
5) CFG B	Configuration B string. This is a 12 digit numeric string that controls the behaviour of additional aspects of the FC6000. Any change to this string <u>must</u> be done in consultation with Transponder Technologies. Refer to Section Error! Reference source not found.
6) TIMEOUT	1) DCA/CAS TIMEOUT (enter number of seconds). Default = 120 2) NO-FLOW TIMEOUT (enter number of seconds). Default = 240
7) LIMIT	Sets the LITRE LIMIT that can be dispensed from any pump. (1 to 9999 litres)
8) ODO RANGE	Sets a kilometer value that will be compared to the last recorded odometer reading (stored in the FC6000 database) for a customer's white card. Range is (1-9999 Km).

9.3.5 Selection 5)-Pumps

SUB-MENU SELECTION	DESCRIPTION
1) NUM	Enter number between 01 and 32 that is assigned to a physical fuelling position. (A position could supply up to three fuel products. This number will appear on the icon on the video monitor screen (1 to 32)
2) CHAN	Enter 0, 1 or 2. This number reflects the channel number that the pump is using. The FC6000 supports two channels (1 and 2). If the status of a pump is set to 0, the pump is not configured for use and will not appear on the video monitor.
3) TYPE	<div> <div>The type of pump being used.</div> <div> 1) PEC 2) PDS 3) ORPAK 4) GILBARCO </div> <div> 5) EMAIL – ECLP 6) EMAIL – VISN 7) OTI </div> </div>
4) ID	Enter number between 00 and 99. This number is the actual (pump) number used by the communication protocol. The ID may be different to the pump number, as displayed on its icon (defined by NUM)
5) H1-G	The Group number to which Hose 1 is assigned.
6) H2-G	The Group number to which Hose 2 is assigned.
7) H3-G	The Group number to which Hose 3 is assigned.
8) MORE	
1) H1-V	The VIT number to which Hose 1 is assigned if using an ORPAK nozzle ID.
2) H2-V	The VIT number to which Hose 2 is assigned if using an ORPAK nozzle ID.
3) H3-V	The VIT number to which Hose 3 is assigned if using an ORPAK nozzle ID.
4) ISLAND	<p>Generally, an island number is assigned to a pump only when an Authorisation Station (AS) is used on the island where the pump is located. The island number restricts authorisation (of the pump) to that particular AS.</p> <p>A value of 0 is used to indicate that the pump can be authorised by any AS (normally the FC6000 system).</p>
5) H4-G	The Group number to which Hose 4 is assigned.
6) H1-O0000	The OTI nozzle tag number that has been assigned to Hose 1.
7) H2-O0000	The OTI nozzle tag number that has been assigned to Hose 2.

9.3.6 Selection 6)-Tanks (Theoretical Gauging)

SUB-MENU SELECTION	DESCRIPTION
1) NUM	The number assigned to a particular tank (Range = 00 to 10). NO duplicate numbers.
2) STATUS	When selected shows tank's Volume + Capacity
4) DELIVERY	Used to manually enter the quantity of fuel added to that tank (0 to 99999)
5) DIP	Used to manually enter the most recent dip stick (volume) reading for that tank.
6) METER	Used to manually enter the meter value for EVERY pump that uses the tank First enter Pump Number then enter pump's meter reading (up to 9999999).
7) SETUP	1) HI ALRM – volume (litres) at which HIGH (overflow) alarm is triggered
	2) LO ALRM -volume (litres) at which a LOW volume alarm is triggered
	3) LOLO AL - volume (litres) at which a critical LOW volume alarm is triggered
	4) CAPACTY – enter the total tank capacity (litres)
	5) GROUP – defines the GROUP NUMBER to which the tank is assigned.
8) COMMS	1) TYPE – THEO (for tanks with no automatic gauging system)

9.3.7 Selection 6)-Tanks (Automatic Gauging)

SUB-MENU SELECTION	DESCRIPTION
1) NUM	The number assigned to a particular tank (Range = 00 to 10). NO duplicate numbers.
2) STATUS	When selected shows tank's Status + Current Volume + Capacity
6) METER	Used to manually enter the meter value for EVERY pump that uses the tank First enter Pump Number then enter pump's meter reading (up to 9999999).
7) SETUP	1) HI ALRM – volume (litres) at which HIGH (overflow) alarm is triggered
	2) LO ALRM -volume (litres) at which a LOW volume alarm is triggered
	3) LOLO AL - volume (litres) at which a critical LOW volume alarm is triggered
	4) CAPACTY – enter the total tank capacity (litres)
	5) GROUP – defines the GROUP NUMBER to which the tank is assigned.
	6) BELOW / ABOVE GN
	7) STRAP TBL
	1) STRAP RECORD (00 to 99) (selects a new table)
	2) HEIGHT (0 to 99999) mm
	3) VOLUME (litres)
	4) CLEAR TABLE (used to delete record values)
	8) INT TBL – defines a strap table stored in the ATG system
8) COMMS	1) TYPE – select the type of ATG system; VEGA, VDR, OPW or VEGH (rare)
	2) CHANNEL – Select comms channel 1 or 2.
	3) ID – Assigns the ID number to be used on the selected channel.

9.3.8 Selection 7)-Group

SUB-MENU SELECTION	DESCRIPTION
1) GROUP NUMBER	Up to sixteen (00 to 15) groups can be nominated for use by forecourt devices.
2) IS TYPE	For each group nominated, a FUEL GRADE is assigned to that group, or, a pre-allocated device function, such a "price sign" or "card acceptor".