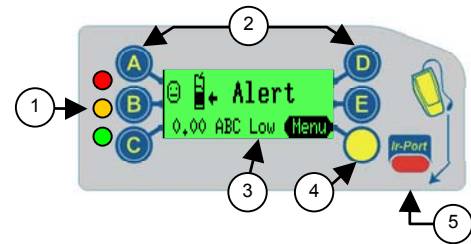


## Quick Reference Card V 1.05

### Understanding the User Interface Keypad



1	3 LEDs	Red, Amber, Green
2	A to E	Dispense coins & navigate through menus
3	Display (LCD)	Menu information & warning display
4	Mode Button	Access service & set-up menus
5	Service Connector	CPM Compatible

### General Keypad Operation

When the coin manager is in the idle state, the blue buttons can be used to dispense coins from the tubes. If however, the mode button is pressed beforehand, these buttons are used to navigate through the service & set-up menu options.

Keypad General Operation			
A	Dispense coin A	D	Dispense coin D
B	Dispense Coin B	E	Dispense coin E
C	Dispense Coin C	Mode	

The mode button can be used to access the two configuration modes available. Service Mode and Set-up mode.

**Service Mode:** gives access to the most frequently used product configuration options. (See Service Mode Options)

**Set-up Mode:** gives access to general product configuration options that are required when setting up your coin manager. (See Set-up Mode Options)

Mode Button Operation	
Mode Button	Press Once to access <b>Service Mode</b> menu
Mode Button	Press & Hold for 2 seconds to access <b>Set-up Mode</b> menu
Mode Button	Press twice to view coin manager audit data. Ensure tube cassette is fitted.
Mode Button	Remove tube cassette and press twice to Park the dispenser arms.

### Service Mode Options

Press Button Sequence	Description / Action	Press
A	PAR coin tubes / Insert coins if asked	A
D	Custom tube cassette teach / Follow Instruction	D
D D	Predefined tube cassette teach	Reject Lever
D D D	Additional tube cassette teach	Reject Lever

### LED Light Codes

The 3 LEDs fitted on the coin manager provides up to the minute status information. Please refer to the table below for more details.

On	Coin Manager OK	😊
Cycles X 5	Normal power up / Reset or Accept Changes made. Coin Manager OK	😊
Blinks Off	Coin accepted / rejected (Refer to Green LED Codes)	😐
Flashing	Coin Manager in Menu mode (Refer to Green LED Codes)	
On	Coin Manager inhibited by VMC	😐
Flashing	Coin Manager requires attention (Refer to Amber LED Codes)	
Off	No Power to Coin Manager. Check power harnesses are connected & ensure power is switched ON.	😞
Alternating	Coin Manager Faulty (Remove from vending machine)	

### Green LED Codes

After Pressing Mode Button	LED Codes for when in Set-up or Service Mode	
Slow Flash	Coin manager is in <b>Set-up Mode/Service</b>	
Fast Flash	Message Available	

Coin Accepted / Rejected	Coin Discrimination LED Codes	
1 x Blink	Inserted coin was accepted	
2 x Blinks	Inserted coin was rejected - unknown (not recognised by discriminator)	
3 x Blinks	Coin rejected (Inhibited by machine or coin manager program settings)	

### Amber LED codes

The amber LED allows you to pinpoint a fault that may have occurred on one of the modules of the coin manager. These types of fault can be rectified at the machine and can be for example; a coin jam, dirt built up on a particular sensor or cassette removed etc. The coin manager also displays the fault on it's LC display.

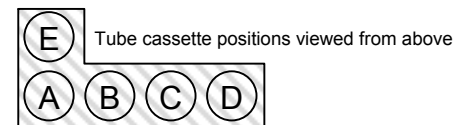
Amber Flashes	Coin Manager Maintenance LED Codes	
1 x	Discriminator error	Alert Reject Lever (Horn)
2 x	Accept gate error	Alert Accept gate (Horn)
3 x	Separator module top level sensor Tube cassette error	Alert Cassette out (Horn)
4 x	Dispenser module error	Alert Dispenser C. (Horn)
5 x	Low on change	Alert Low on Change (Horn)

### Selecting a Predefined Cassette

The coin manager has stored in memory a selection of predefined tube cassettes. Each cassette allows a different payout option to be selected. (See table below). Using the buttons on the keypad, press the button sequence as shown on the table or refer to the tube cassettes front label for the button sequence. Once the coin manager has accepted the code, the chosen cassette will be set.

To set a Predefined cassette :Press **A** followed by the key code

Key Code	Tube A	Tube B	Tube C	Tube D	Tube E
AA	10c	5c	25c	25c	5c
AB	10c	5c	25c	\$1	5c
BA	25c	5c	25c	25c	25c
BB	10c	5c	10c	25c	5c
CC	Custom cassette 1 – defined in factory or by service tool				
DD	Custom cassette 2 – define yourself using cassette teach				
DAC	25c	5c	\$1	\$1	25c
DCA	25c	10c	25c	\$1	5c
DCB	25c	10c	\$1	\$1	5c
DCC	25c	10c	25c	25c	5c
DCD	5c	10c	10c	10c	5c
DCE	10c	10c	10c	10c	5c



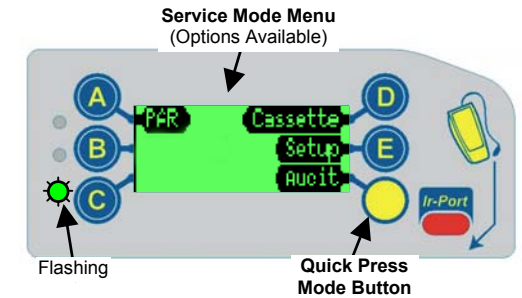
### Rules for Custom Cassette Configuration.

Coin	Max Fill (Automatic)	Manual Fill	Approved Tube Position	Tube Base Color
5c	77 (\$3.85)	87 (\$4.35)	A,B,C,D,E,	Red
10c	115 (\$11.50)	127 (\$12.70)	A,B,C,D,	White
25c	84 (\$21.00)	96 (\$24.00)	A,C,D,E,	Black
\$1	69 (\$69.00)	81 (\$81.00)	C,D,E,	Blue

**NOTE:** Always include at least one 5c tube in all custom configured cassettes.

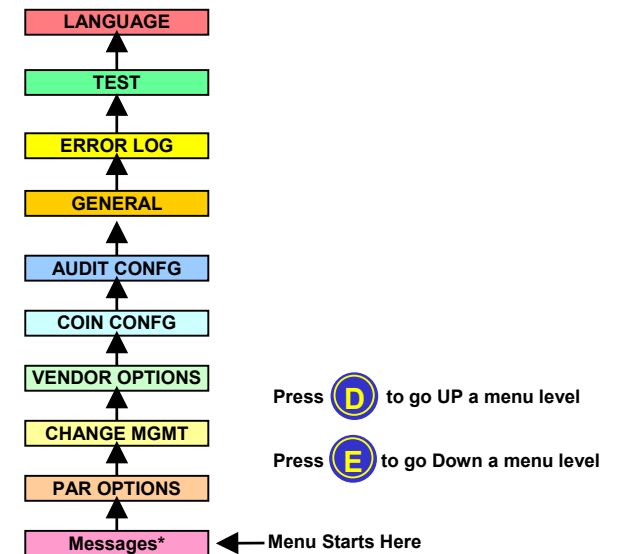
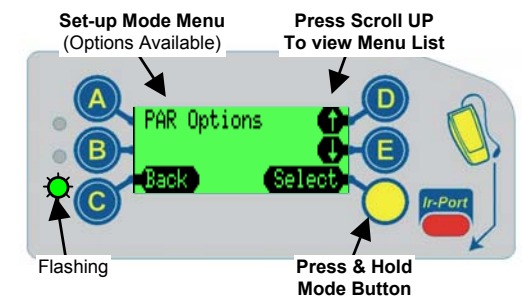
### Accessing the Service Mode Menu

A Quick press of the Yellow (mode) button will take you into the **Service Mode menus**. The display will change to show the available option available. (see picture below).



### Accessing the Set-up Mode Menu

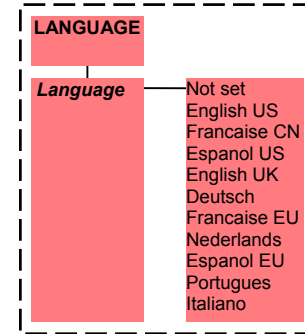
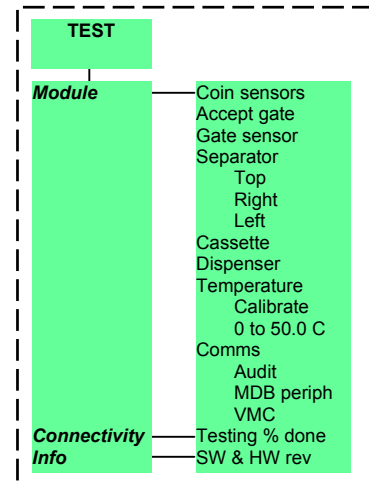
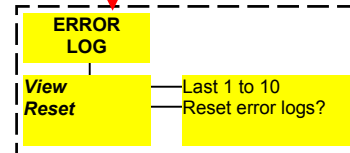
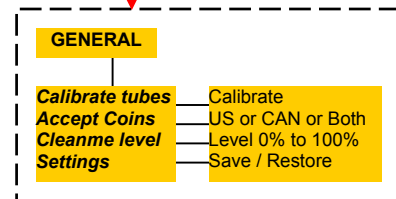
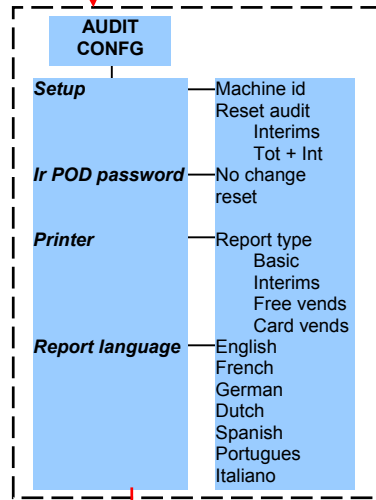
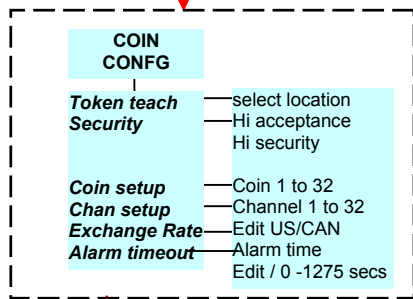
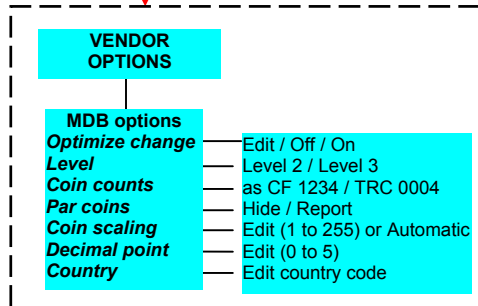
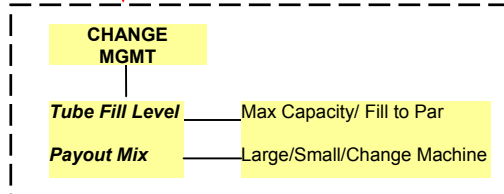
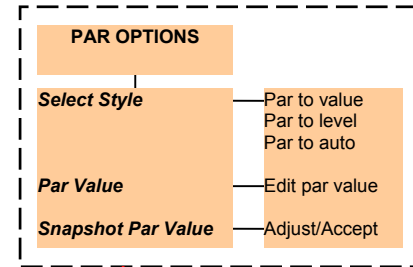
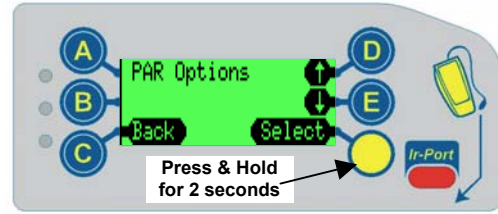
To access the **Set-up Mode** menus, press and hold the yellow (mode) button for approximately 2 seconds. The display will change to show the available options available (see picture below).



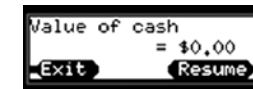
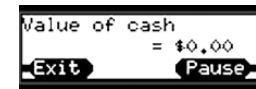
\* If available

# Set-up Mode Menus

This chart shows a detailed structure of the Set-up Menus.



If the yellow Mode Key is pressed twice in quick succession (with cassette in), then the display will show audit information. Each message will be shown for 3 seconds. The screen can be frozen on the display by pressing "pause". The "pause" button will then alter to become a "resume" button. When the "resume" button is pressed, the screens will continue to show, in sequence, the audit information.



Audit information displayed:

- Value of Cash to Cashbox
- \*Value of Cash to Tubes
- Value dispensed as change
- Value of manual dispense
- Total Tube value
- Tube A Count
- Tube B Count
- Tube C Count
- Tube D Count
- Tube E Count

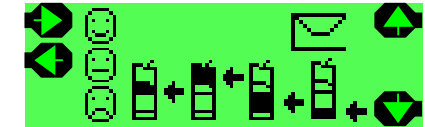
## Annualized Estimates

- Sales Lost in Exact Change
- Percentage time in Exact Change
- Value of Sales in Exact Change
- Number of Sales in Exact Change
- Number of Sales with Change Available
- Average Price with Change Available
- Time In Change
- Time With Change
- Time Disabled by VMC

\* "Value of Bills Accepted" will be present in the audit information, only if the bill acceptor is attached to the coin manager's optional MDB peripheral harness.

# Display - Symbol Indicators

During the coin manager programming or normal operation, icons may be shown on the display. These icons will indicate if the coin manager requires any attention or will assist you in selecting a particular program mode.



Symbol	Meaning	Comment
	Menu Navigation	Move cursor to the Right
	Menu Navigation	Move cursor to the Left
	Menu Navigation	Move Up through menu
	Menu Navigation	Move Down through menu
	Message Waiting*	A message has been left for you to read
	Smiley face	Coin manager is OK
	Average face	Coin manager requires assistance
	Sad face	Coin manager requires replacing
	Maintenance required	Check Discriminator for coin jam or foreign material
	Maintenance required	Check Accept gate for coin jam or foreign material
	Maintenance required	Check Separator coin level sensors for coin jam or foreign material
	Maintenance required	Check Dispenser for coin jam or foreign material

**\*Message Waiting Icon:-** If there is a message waiting to be read, the envelope icon will be shown on the display. This message is displayed when/if the coin manager has detected that it can be optimized for better performance e.g. better tube combinations, payout algorithm etc. thus improving sales.

**Reading the Message:** Access the setup menu in the normal way (the display will show the word "messages") and follow the instructions on the display. The messages will be displayed in the order of; last in first out. The coin manager can store up to four messages at a time, when these have been read, you can delete them by going through to the delete messages menu.