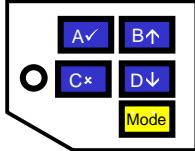




## Quick Reference Card

### Using the Multi-Function Program Keys



Each (Blue) key has two functions. General operation and Menu function.

General Operation		Menu Function	
<b>A</b>	Dispense coin A	<b>✓</b>	Enter / Confirm
<b>B</b>	Dispense Coin B	<b>↑</b>	Scroll Up
<b>C</b>	Dispense Coin C	<b>✕</b>	Exit
<b>D</b>	Dispense Coin D	<b>↓</b>	Scroll Down

There are 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 change giver. (See Set-up Mode Options)

To access either mode or to view tube audit data the mode key will need to be pressed as shown below.

<b>Mode</b>	Quick press to access <b>Service Mode</b>
<b>Mode</b>	Press & Hold for 2 seconds. to access <b>Set-up Mode</b>
<b>Mode</b> <b>Mode</b>	Press twice to view tube audit data. Only operates when tube cassette is fitted.
<b>Mode</b> <b>Mode</b>	Parking dispenser arms. Only operates when tube cassette is not fitted

## SERVICE MODE OPTIONS

Press	Press	Description / Action	Press
<b>Mode</b>	<b>A</b>	Float-up coin tubes / Insert coins	<b>Mode</b>
<b>Mode</b>	<b>A A</b>	Clear credit accumulated – (Not MDB) & Clear Clean Me Message	
<b>Mode</b>	<b>A B</b>	Float level reset	
<b>Mode</b>	<b>A C</b>	Float down coin tubes	
<b>Mode</b>	<b>A D</b>	Float teach / Insert coins	<b>1.5s</b>
<b>Mode</b>	<b>B</b>	Inhibit a coin / Insert a coin	Reject Lever
<b>Mode</b>	<b>B</b>	Enable a coin / Insert a coin	<b>Mode</b>
<b>Mode</b>	<b>B A</b>	View coin details	<b>Mode</b>
<b>Mode</b>	<b>B B</b>	View coin-set	<b>Mode</b>
<b>Mode</b>	<b>B D A</b>	Set Euro transition stage 1	Reject Lever
<b>Mode</b>	<b>B D B</b>	Set Euro transition stage 2	Reject Lever
<b>Mode</b>	<b>B D C</b>	Set Euro transition stage 3	Reject Lever
<b>Mode</b>	<b>B D D</b>	Set Euro transition stage 4	Reject Lever
<b>Mode</b>	<b>C</b>	Price Teach	<b>Mode</b>
<b>Mode</b>	<b>D</b>	Custom tube cassette teach	<b>Mode</b>
<b>Mode</b>	<b>D ? ?</b>	Predefined tube cassette teach	Reject Lever
<b>Mode</b>	<b>D D ? ?</b>	Predefined Euro cassette teach	Reject Lever

## THE LED HELP GUIDE

	On	Change giver OK	→ 😊
	Cycles X 3	Change giver OK Normal power up sequence / Reset	→ 😊
	Blinks Off	Coin accepted / rejected (Refer to Green LED Codes)	→ 😊
	Flashing	Program mode selected (Refer to Green LED Codes)	→ 😊
	On	Change giver operation inhibited by VMC	
	Flashing	Change giver maintenance required (Refer to Amber LED Codes)	→ 😞
	Off	Change giver has no power or No power loom connected. Is the power switched ON?	
	Alternating	Faulty change giver (Take it out and return it for repair)	→ 😞

## GREEN LED CODES

Altering Settings		Slow Flash	Change giver "MODE" button has been pressed. Change giver is now in service mode.
		Fast Flash	Change giver Set-up mode has been activated.
Coin accepted Or Rejected		1 x Blink	Coin Accepted
		2 x Blinks	Coin Rejected (not recognised)
		3 x Blinks	Coin Rejected (Inhibited by machine / change giver program settings)

## AMBER LED CODES

The Amber LED helps you to diagnose change giver faults in the field.

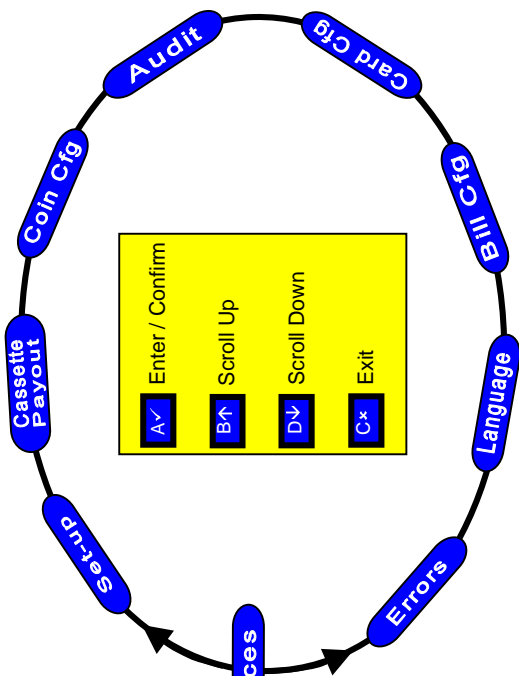
The LED can flash between 0 and 4 times to indicate a repairable fault to a specific change giver module. More information is given on a label, which is stuck onto the separator solenoid bank.

Number of Flashes	Module Requiring Service
<b>1 x</b>	• Discriminator
<b>2 x</b>	• Accept Gate
<b>3 x</b>	• Separator Top Level Sensors • Tube Cassette Top Level Prisms
<b>4 x</b>	• Dispenser

## Predefined Cassettes

Code	A	B	C	D
AA	1p	2p	5p	20p
AB	5p	10p	50p	20p
AC	5p	1p	2p	20p
AD	5p	20p	50p	10p
BA	5p	20p	20p	10p
BB	5p	20p	2p	1p
BC	10p	20p	50p	£1
BD	1p	20p	2p	10p
AA	0,05 €	0,10 €	0,50 €	0,20 €
AB	0,01 €	0,05 €	0,50 €	0,10 €
AC	0,01 €	0,02 €	0,50 €	0,10 €
AD	0,05 €	0,10 €	0,50 €	0,10 €
BA	0,10 €	0,10 €	0,50 €	0,20 €
BB	0,05 €	0,10 €	0,20 €	0,10 €
BC	0,05 €	0,05 €	0,50 €	0,10 €
BD	0,01 €	0,05 €	0,02 €	0,10 €
CA	0,01 €	0,05 €	0,20 €	0,10 €
CB	0,10 €	0,20 €	0,50 €	1 €

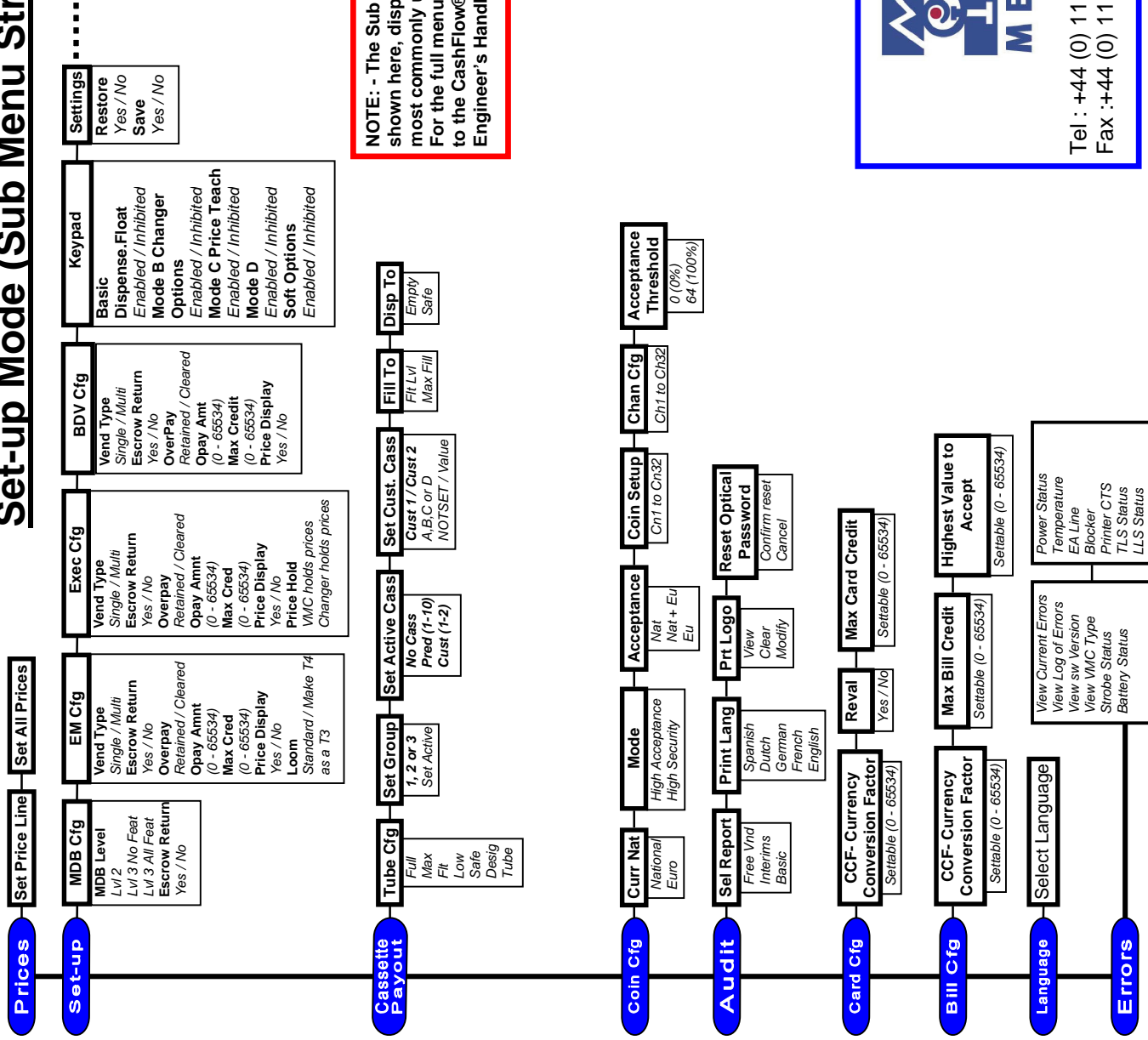
# Set-up Mode Menu Options



**A✓** Enter / Confirm  
**B↑** Scroll Up  
**D↓** Scroll Down  
**C\*** Exit

To access the **Set-up mode menu**, press and hold the mode button for 2 seconds. Press Key **B↑** to scroll **Up**. Press Key **D↓** to scroll **Down**.

## Set-up Mode (Sub Menu Structure)



**NOTE:** - The Sub Menu Structure shown here, displays only the most commonly used options. For the full menu structure, refer to the CashFlow® 690 Field Engineer's Handbook.

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