

Money Scan Ltd

**PROFESSIONAL BANKNOTE
COUNTER
Model: BC-960**

OPERATION MANUAL



CONTENTS

1. INTRODUCTION

1.1 Technical Specifications

1.2 Getting Started

2. OPERATION

2.1 Basic Parameters

2.11 Adjusting the Counting Speed

2.12 Adjusting the Density Setting

2.13 Adjusting the Thickness Screw

2.14 Manual / Automatic Counting Function

2.2 Various Operation Options

2.21 Counting

2.22 Adding

2.23 Batch Settings

2.3 Various Functions

2.31 Ultra Violet (UV) Counterfeit Detection

2.32 Magnetic (MG) Counterfeit Detection

2.33 Infra Red (IR) Counterfeit Detection

2.34 Width (DD) Size Detection

2.35 Length (WD) Size Detection

2.36 Mixed Counting Function

2.37 Total Counting Function

3. TROUBLESHOOTING

4. MAINTENANCE

5. LIST OF ACCESSORIES

1. INTRODUCTION

This Banknote Counter is designed for professional use with many options and functions ensuring that it meets the needs of all users.

Please read this manual in detail before operating the machine.

1.1 Technical Specifications

Dimensions	280mm x 250mm x 195mm
Weight	7.25 Kg
Power Supply	220V / 50Hz
Power Consumption	50W
Counting Speed	600, 1200, 1600 pcs/min
Countable Range	110 x 50 ~ 185 x 90 mm
Display Mode	LCD

1.2 Getting Started

Use only the power cable supplied with the machine.

Connect the machine and turn the power switch ON.

The machine will automatically display "Welcome" and is ready for use.

2. OPERATION

2.1 Basic Parameters

The parameters of the machine are all initially set to the factory settings.

Any changes to the settings will be automatically saved into the memory.

The factory settings are:

SPEED = B	UV = 4
MG = 4	IR = 4
DD = 4	LEVEL = 4

2.11 Adjusting the Counting Speed

The counter has 3 speed settings: 600, 1200 and 1600 notes per minute.

Please note for wider banknotes, a setting of 1200 notes per minute is recommended.

Press the “Set” key until “Speed = x” is displayed. Select 600 pieces by pressing 1 – the display will show speed A, pressing 2 is 1200 pieces - speed B and 3 is 1600 pieces per minute – speed C.

2.12 Adjusting the Density Setting

Different banknotes have different density and colouring patterns.

Please adjust the setting to match the type of currency that is being counted.

Press “Set” until the “Level” option appears. “1-3” is for thin/weak coloured notes, “4-6” is for normal coloured notes and “7-8” is for deep/thick coloured notes.

2.13 Adjusting the Thickness Screw

Different banknotes have different thickness. If the counter often displays “DOUBL” or “CHAIN” then the screw needs to be adjusted. To ensure a smooth counting operation turn the screw until the thickness matches the type of banknote.

2.14 Manual / Automatic Counting Function

When this function is switched on notes are counted automatically when placed in the hopper. When switched off press the “RESET” key to start counting.

To adjust, keep pressing “Set” until Auto=ON/OFF appears. Press 1 or 0 to adjust.

2.2 Various Operation Options

2.21 Adding

This function selects whether separate bundles of notes are added together or counted separately.

Press the “Set” key until “AUTO” appears, press 1 or 0 to switch between “ON” and “OFF”.

2.22 Batch Settings

The machine will count the number of notes set and then stop.

Set the batch number by pressing any of the numeric keypad 0-999.

Please note when the “Value” function is on, the batch setting will be deactivated.

2.3 Various Functions

2.31 UV Counterfeit Detection

This feature will detect the Ultra Violet security features on genuine banknotes.

When a counterfeit is detected without the correct UV features, the machine will stop and display “FEIT”.

Keep pressing the “Set” key until “UV” appears on the display area. Pressing 1-8 will adjust the sensitivity of the detection function. 1 is the lowest and 8 is the highest.

Press 0 to turn off the UV detection.

2.32 MG Detection

This feature will detect the Magnetic security features on genuine banknotes.

When a counterfeit is detected without the correct MG features, the machine will stop and display “FEIT”.

Keep pressing the “Set” key until “MG” appears on the display area. Pressing 1-8 will adjust the sensitivity of the detection function. 1 is the lowest and 8 is the highest.

Press 0 to turn off the MG detection.

2.33 IR Counterfeit Detection

This feature will detect the Infra Red security features on genuine banknotes.

When a counterfeit is detected without the correct IR features, the machine will stop and display “FEIT”.

Keep pressing the “Set” key until “IR” appears on the display area. Pressing 1-8 will adjust the sensitivity of the detection function. 1 is the lowest and 8 is the highest.

Press 0 to turn off the IR detection.

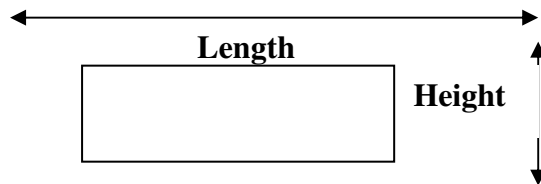
Please note the machines factory setting for IR and MG detection are set for EURO currency. If counting other currencies, please turn off the functions

2.34 Width (DD) Size Detection

This function is used to detect if a note has a different height to the rest of the bundle.

The minimum detectable size is 2mm.

When a different size note is detected the machine will stop and display "DIFFENT".



Press "Set" until "DD" appears, then press 2~7. 2 corresponds to 2mm, 3 is 3mm and so forth.

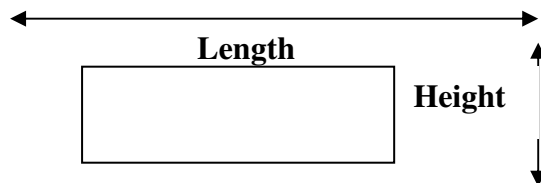
Press 0 to turn off the DD detection.

2.35 Length (WD) Size Detection

This function is used to detect if a note has a different length to the rest of the bundle.

The minimum detectable size is 2mm.

When a different size note is detected the machine will stop and display "DIFFENT".



Press "Set" until "WD" appears, then press 2~7. 2 corresponds to 2mm, 3 is 3mm and so forth.

Press 0 to turn off the WD detection.

2.36 Mixed Counting Function

The machine will count and show the value of all Euro notes.

The display will show the total sum of the bundle and the quantity of pieces.

Pressing the value of the note on the keypad will display a report on the number of pieces of that denomination. E.G Pressing 5 will show how many 5 euro notes have passed through the counter.

2.37 Total Counting Function

This function selects whether separate bundles of notes are added together or counted separately.

Press the "Set" key until "TOTAL" appears, press 1 or 0 to switch between "ON" and "OFF".

*****Please note that some functions are not available with some models*****

3. TROUBLESHOOTING

Error messages may appear from time to time during the machines operation.

Please follow the guide below:

Error Message	Solution
HALF	Banknote only passed through 1 sensor. Remove and press RESET to continue.
DIFFENT	Banknote of different size is detected. Remove and press RESET to continue.
DOUBLE	2 notes have passed through the sensor. Adjust thickness screw as in chapters 2.13
CHAIN	Chain note detected. Remove

	and press RESET to continue.
JAME	Notes have jammed inside the counter. Adjust thickness screw as in chapters 2.13
FEIT	Counterfeit detected. Remove and press RESET to continue.

The following messages are caused due to sensor failure. The main reason for this is the accumulation of dust. Please clean the surface with a soft brush or cloth and RESET the machine.

Error Message	Location
TROUBLE: A	Feed Sensor
TROUBLE: B	Left Count Sensor
TROUBLE: D	Right Count Sensor
TROUBLE: E	Stacker Sensor
TROUBLE: F	Rotating Speed Sensor

4. MAINTENANCE

Clean the machine on a daily basis. Use a soft brush or cloth to wipe all sensors.

5. LIST OF ACCESSORIES

No:	Description	Quantity	Remark
1	Brush	1	
2	Screw Driver	2	- and X
3	Power Cable	1	
4	Manual	1	
5	Fuse	2	1.5A
6	Exterior Display	1	Optional

