

# BC-55 User Manual V1.2



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# 1 Appearance and Key Panel



## 2 Choose Currency

Press  key or choose the country flag  on touch screen to choose the currency.





2.1 For single currency, touch the country flag to choose currency.

After finish choosing currency, it will enter into main interface; if you want to

cancel, please press  to exit.  means it is in active mode, which is the currency mode before your change.

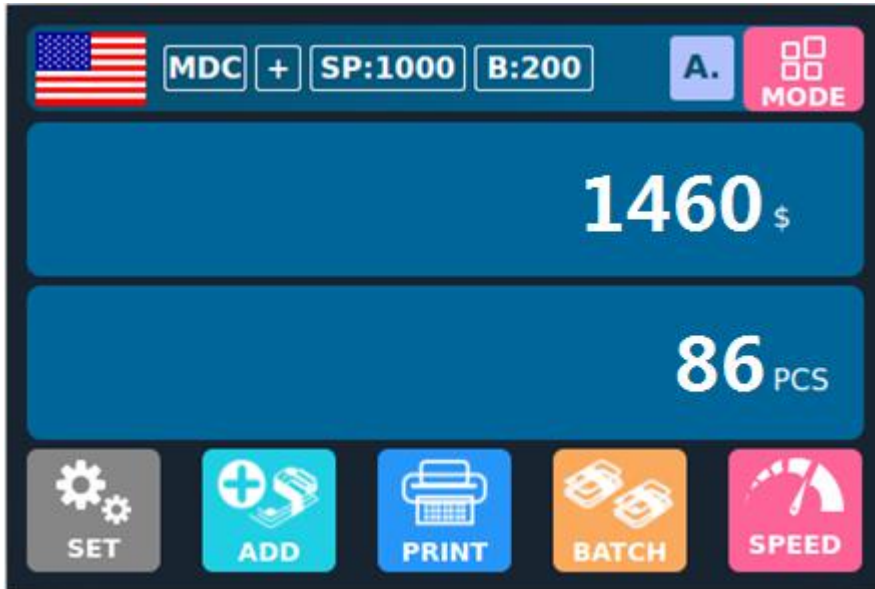
### 3 Working Modes

Press  key or touch the screen  can change the working modes.

#### 3.1 Mixed Denomination Counting(MDC)

In this mode, all the denominations can be recognized and counted, calculating the quantity and amount at the same time. Serial number can also be recorded if you turn on the serial number reading function. You can check the serial number details under another interface.

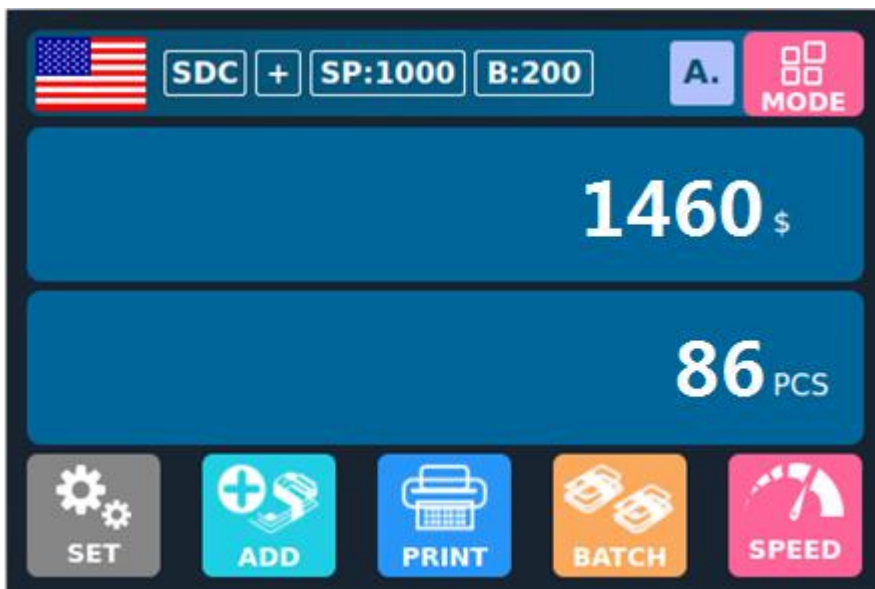
Under mult-currency counting mode, the display will show the total amount and total quantity for each currency.



### 3.2 Single Denomination Counting(SDC)

This mode is mainly for counting the same denomination notes, for example, to count the same denomination already sorted. The machine will stop when it recognize a different denomination, you need to remove this note and continue counting. The machine recognize the first note and count following notes based on this standard, thus, when version sorting is turned on, it will stop when it recognize a different version.

Under this mode, the machine can also calculate amount and quantity, as well as serial number reading.



### 3.3 Counting mode (CNT)



In this mode, it will not calculate the amount, only calculate quantity. When ADD function is not turned on, it will only display the current counting quantity; when ADD is turned on, it will display the current counting quantity and accumulated counting quantity.



**NOTE:** under MDC&SDC mode, the machine checks the notes by image, MG, UV and DB(double notes detection), under CNT mode only has DB detection.

## 4 Batch





Press touch button  or press  key can change the batch quantity, there are some default batch quantity set in system. If you want to define the batch number yourself, please go to SET menu and set yourself.

When batch function is turned on, the current batch quantity will display in the red frame position. The machine will stop when batch quantity is achieved and prompt a message on display. After remove the notes, it will start from 0 again if ADD is not turned on, otherwise it will accumulate.



## 5 Accumulation Mode(ADD)

Press  key or touch the screen mark  to open or close ADD function.

### 5.1 Turn on the ADD function.

When ADD function is on: The amount and quantity will not be cleared unless you press clear key. Details as below:

4.1.1 After finish counting a bundle of notes and the notes are not removed, the machine displays the amount and quantity of this bundle of notes; if the notes are removed, the latest counting data will be accumulated to historical data and the machine will display the accumulated total data. Press CLR key it will clear the latest counting data, press CLR two times it will clear the total data.

4.1.2 During the counting, if some abnormal situation happens such as jam, the machine will delete the current counting data.

4.1.3 In ADD mode, when you check the serial number details, the machine will only show the serial number of latest 200 notes.

If the ADD function is turn on, you can see the mark as below.



## 5.2 Turn off the ADD function.



If you start to count a new bundle of notes, it will start from 0. Details as below

4.2.1 After finish counting a bundle of notes, no matter the notes are removed or not, the machine only displays the current counting data, press CLR key it will clear all the data.

4.2.2 During the counting, if some abnormal situation happens such as jam, the machine will delete the current counting data.

4.2.3 When you check the serial number details, the machine will only show the serial number of latest 200 notes.

## 6 Speed setting.

Press  key or click  key to adjust the speed. Shown as picture.





Speed	Counting Mode (Function)
1500pc/min	CNT: Quantity
1200pc/min	CNT : Quantity MDC : Quantity & Amount SDC : Quantity & Amount
1000pc/min	CNT : Quantity MDC : Quantity, Amount & Serial number reading SDC : Quantity, Amount & Serial number reading
800pc/min	CNT : Quantity MDC : Quantity , Amount , Serial number reading, Mix-currency counting & Auto recognition SDC : Quantity , Amount , Serial number reading, Mix-currency counting & Auto recognition

# 7 Print Function

Thermal printer is recommended to connect with machine through RS232 port. You can set the baud rate under SET mode, the default baud rate is 115200.

## 7.1 Print quantity and amount.

Under List interface, press  key or click  and the printing receipt is shown as below



CUSTOMER ID:		
-----		
Currency : USD		
Denom.	Count	Value
100	9	900
50	10	500
20	10	200
10	27	270
5	25	125
2	0	0
1	24	24
Total:	105	2019
-----		
17/04/2018 14:01:23		

## 7.2 Print serial number

Under serial number list, press  key or touch  the receipt is shown as below



Total:279\$

Total:279\$ COP Payment

1970-01-01 00:06:17


1:JC46789974C	2:LB63499564W
3:L22578095J	4:L22578094J
5:MB12682579D	6:MD45211911D
7:MG07361739D	8:JE27531024D
9:L22578004J	10:L22578073J
11:IK52918081B	12:K19298242H
13:L22578060J	14:ME46953006A
15:L22578090J	16:ME46958749A
17:MF35105339F	18:L22578068J
19:L22578058J	20:JG13573201E

All:20PCS Error:0PCS Total:279

## 8 Counting list

### 8.1 Check the counting list



Press  one time to display the quantity and amount

8.1.1 When the ADD function is off, only show the current counting result. Check next page if have multi currencies.


8.1.2 When ADD is on, if the notes are not removed, it will show current amount and quantity; after remove the notes, it will accumulate the latest bundle of notes data to previous data. Press PRINT key to print the list.

← Back		List
DENOM.	QTY	AMT
\$ 100	0	\$ 0
\$ 50	0	\$ 0
\$ 20	0	\$ 0
\$ 10	0	\$ 0
\$ 5	0	\$ 0
\$ 2	0	\$ 0
\$ 1	0	\$ 0
Total:	0	\$ 0

◀ 1 / 1 ▶

## 8.2 Check the serial number




Press  key twice to check the serial number

The serial number is available to check when speed is set at 800-1000pcs/min, and you can only check the serial number of latest 200pcs notes. Press PRINT key or touch the Print key on LCD to print

Serial No.			
NO.	Serial No.	Deno.	Warn ID
			Print

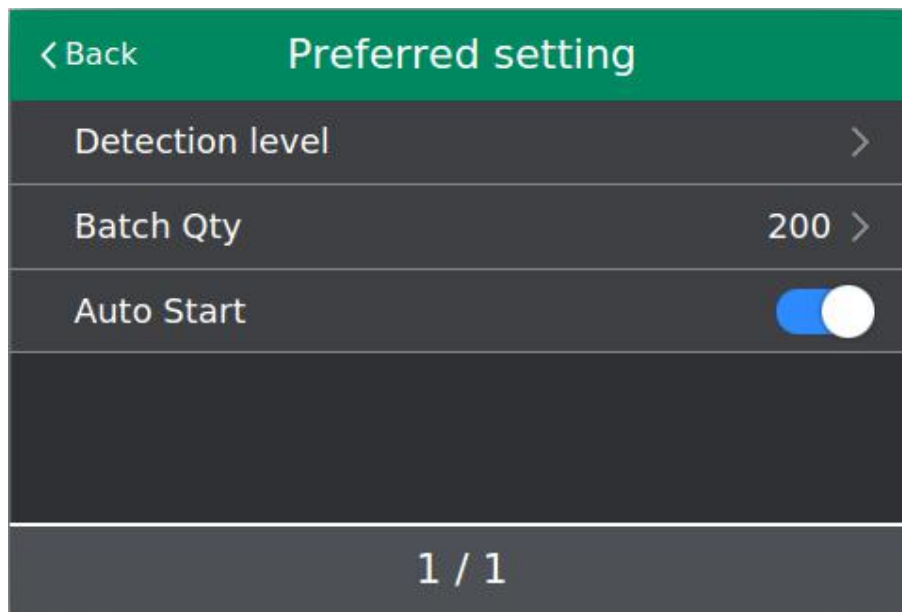
## 9 Set Menu



Press  key to enter into set menu, it includes 4 elements: Preference, General, S/N reading function and Reset

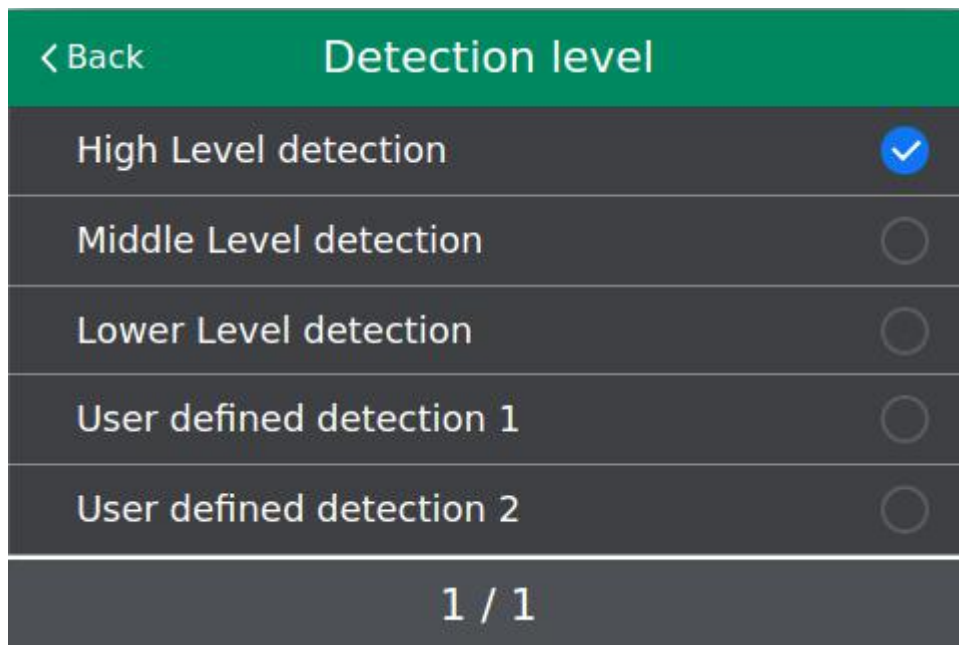
< Back	Menu
Preference	>
General	>
Serial number reading function	>
Reset	
1 / 1	

## 9.1 Preferred Setting



### 9.1.1 Detection level

There are three levels for your choice, High, Middle and Lower. You can choose by pressing the . The user defined detection is set by factory or distributor according to field test result, it is not suggested to be changed by user directly.



### 9.1.2 Double Detection Sensitivity Setting

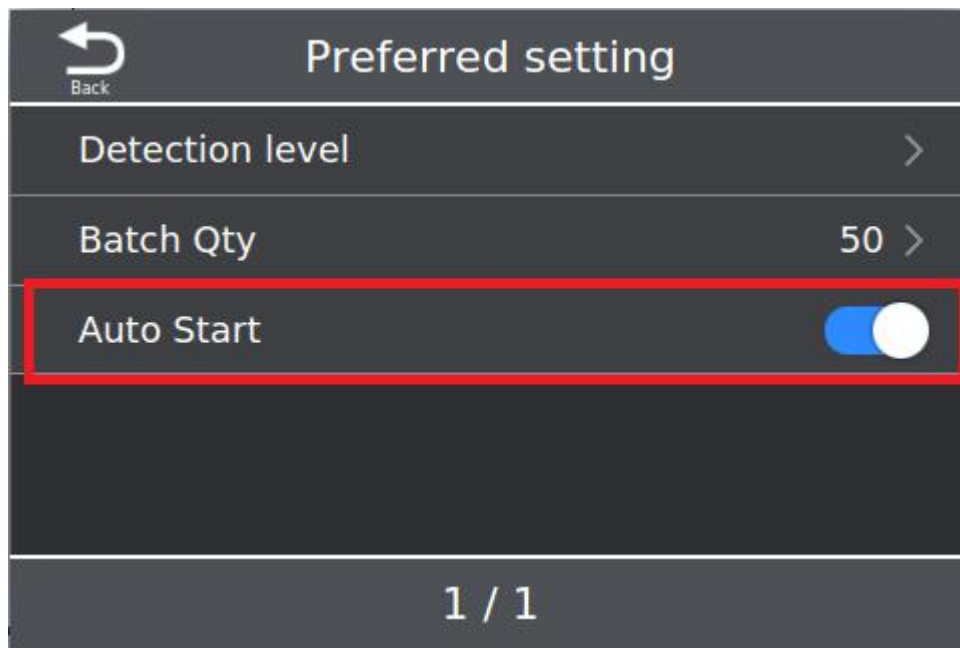
### 9.1.3 Damage Detection Setting

### 9.1.4 Commonly Used Batch Qty

Shown as below picture, there are 5 default Batch number for your choice, you can also revise the number as desired. Please press CONFIRM button to return to main interface after choice.

### 9.1.5 Start Mode

As shown by below picture, you can turn on or off the Auto Start function.



Manual Mode: When Auto Start is turned off, it is in Manual Mode, you need to press START key manually after put the notes on hopper.



Auto Mode: When Auto Start is turned on, it means the machine will start counting automatically when notes are put on the hopper

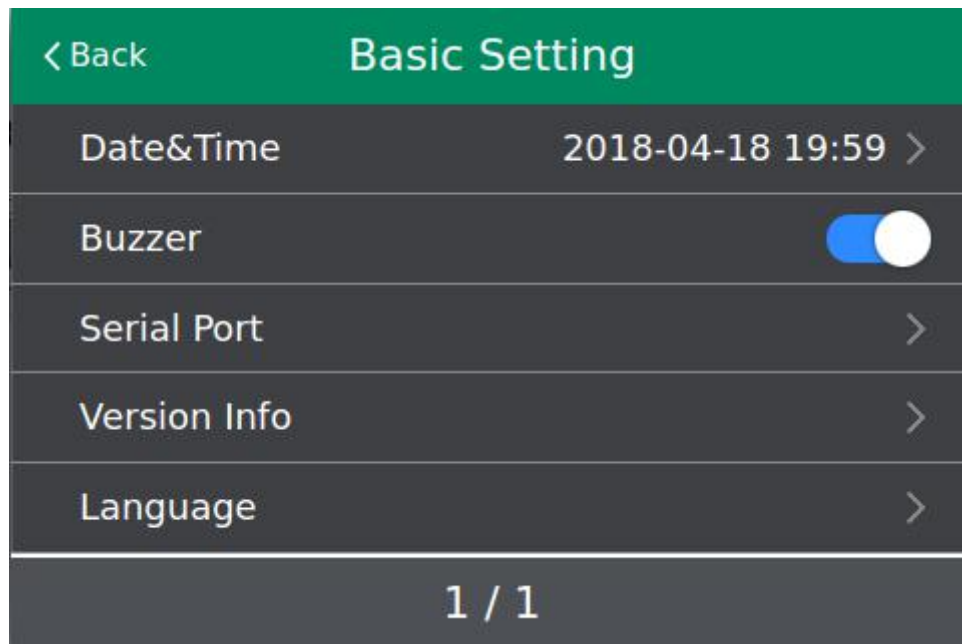


9.1.6 Background color selection

9.1.7 Main interface style

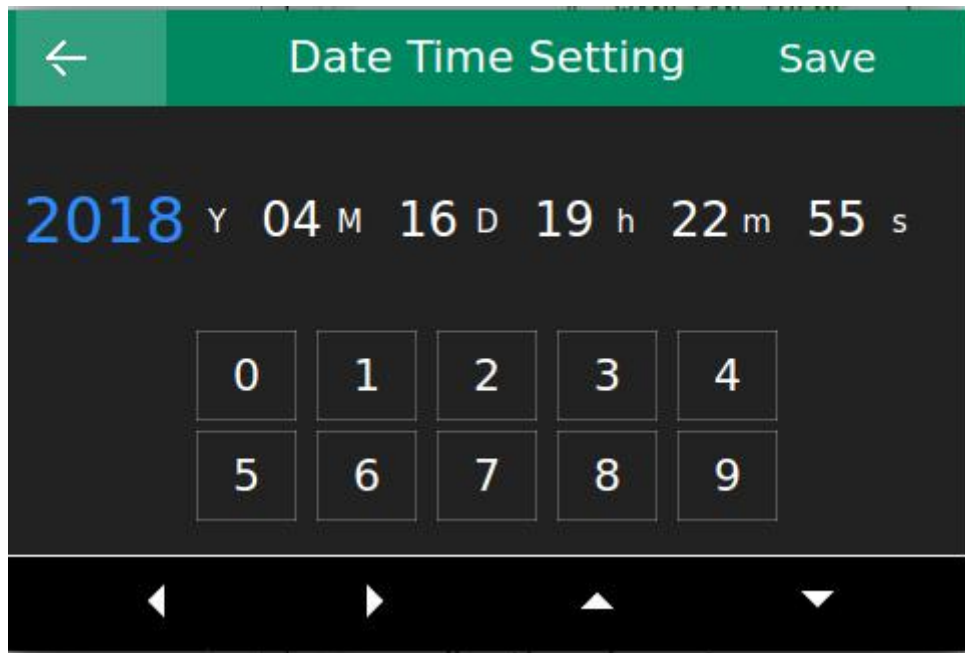
9.1.8 Custom display window

## 9.2 Basic Setting



### 9.2.1 Date & Time Firmware and Software version Inquiry

You can set the date and time with the 10 numeric keys. For example, Y is for setting the year information. Press the Y area, the number color will show blue, and you can input 2—0—1—8 accordingly. Use the same way to set other area and press Save key to save the information.



### 9.2.2 Buzzer function

### 9.2.3 RS232 serial port setting RS232

Mode	Baud Rate choice	Selected
PC	115200, 38400, 9600	9600
PRINTER	115200, 38400, 9600	38400

### 9.2.4 Firmware and Software version Inquiry

The first column is Kernel version, it is not updated frequently unless some big change.

The second column is App version, related to some new features of the machine

The third column is UI version, related to interface and key button function.

The fourth column is ECB version, usually it will change after the ECB test once a year.

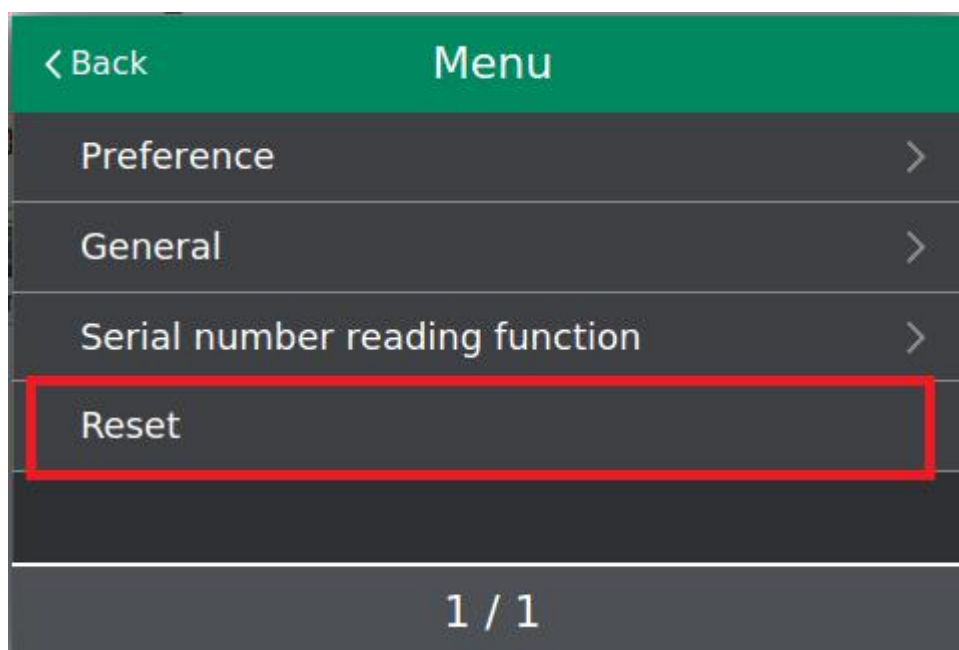
Software version	
Kernel	KERNEL_33060_2018-02-03
App	010101
UI	UI_32386_2018-01-27
ECB sub version	010101
1 / 1	

### 9.2.5 Language Setting

System language	
简体中文	<input type="radio"/>
English	<input checked="" type="radio"/>
1 / 1	



### 9.3 Restore to factory setting



### 10 Error code sheet

Category	NOTE	Code
Image	IMG-UNKNOW	51
	IMG-FAKE	151-159
201	UV-T	203
	UV-R	202
Magnetism	MT	352
	MG-Q	463
	MG	471-482
Serial number	OCR-UNKNOW	501
Shape	ANGLE	551、555
	DAMAGE	552
	GAP	553、556
	HALF	554
	DOUBLE	557
Model and summary	ORT-ERROR	901

## 10.1 System Error code.

Code	Meaning
3001	Virtual device open
3002	Virtual device error
3004	Network error
3008	Display error
3009	RTC ERROR
3101	MOTOR ERROR
3102	INCODE ERROR
3310	PS2 ERROR
3401	BOTTOM CIS ERROR
3402	TOP CIS ERROR
3501	QT ERROR
3502	FL ERROR
3901	PASSAGE OPEN