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AB7500
User Guide

Dual Pocket Mixed Bill Counter

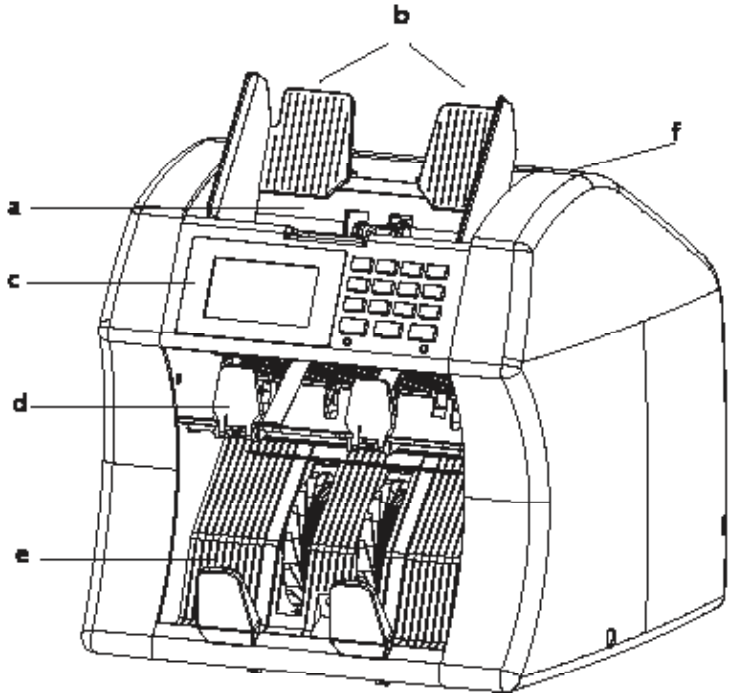
Thank you for purchasing this AccuBANKER product.
We recommend reading all information in the user guide to become familiar with this product.

1- Introduction

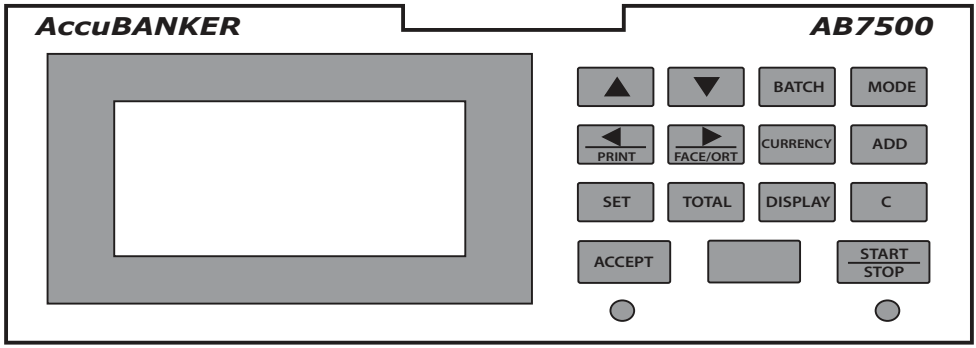
The AB7500 is a double pocket bill counter designed to accelerate the cash counting process, as it does not stop its operation when a suspicious bill is detected; instead it is sent directly into the rejection pocket. The final count result shows the total value as well as the number of bills involved in the count.

2- Parts Description

a- Hopper
b- Bill Guiders
c- Control Panel
d- Rejection Pocket
e- Stacker
f- Bill Thickness Adjustment Screw



3- Control Panel Description



- **Up / Down / Left / Right BUTTONS:**
Used to move the cursor in the configurations menu

IMPORTANT : When there are bills in the rejection tray, the user can know the cause of the bill rejection by pressing the key ▲ . The screen will display the reasons for the bills' rejection.

- **BATCH**:
Select the desired batch quantity (5-10-20-25-50-100- 200)

- **MODE**:

MDC- Mixed (mixed denominations)

SDC- Sort (memorizes the first denomination scanned and all others will be rejected; only the denomination chosen will be accepted by the machine)

CNT- Count (Basic bill count; counts the number of bills but does not detect the total count value)

- **PRINT**: Prints detailed count reports

- **FACE/ORT**:
Organizes the bills FACE UP, FACE DOWN, LEFT, or RIGHT

- **CURRENCY**: Used to change desired currency

- **ADD**: Activates ADDING function

- **TOTAL**: Shows the TOTAL VALUE COUNT

- **DISPLAY**: Displays the count details

- **C**: Erases data on the screen or erases error reports

- **ACCEPT**: Confirms any changes made in “Configurations” screen as well as count results

- **START / STOP**: Starts and Stops counting operations

- **SET**: Enters the “Configurations” menu

4- Configurations Menu Description

The user menu allows the operator to configure the unit based on their working preferences. The different points to be defined are described below.

a- Press the SET key untilthe Menu appears on the screen
b- Use the “direction” keys to select and change the parameters
c- Always press “ACCEPT” to save each change made
d- Press C (one or more times) to exit the User Menu

1- REJECT LED
Used to activate / deactivate the notification light of the machine’s rejection pocket.

2- CURRENCY SELECT
Used to activate / deactivate currencies programmed into the unit.

3- DEFAULT
Used to return to the original (factory) settings of the unit.
Restores unit to its original settings.

4- DUAL USER; NOT AVAILABLE

5- AUTO-START
Used to set the unit to MANUAL start mode, or to vary the machine's start time after the first notes are detected by the Hopper sensor.

6- REPEAT START
Used in BATCH mode to set the unit in AUTO / MANUAL mode during the batching process.

7- BUZZER
Used to Activate / Deactivate the notification buzzer when working with the unit's keypad.

8- OFF LCD LIGHT
Enables / Disables the display standby function when the unit is not in use for long periods of time.

9- MODE KEY SWITCH
Activates / Deactivates the MODE key, forcing the operator to work in a single working mode.

10- SPEED
Allows to vary the counting speed of the machine between 800/900/1000 bills / min.

11- REJECT FULL
To set the maximum amount allowed in the rejection pocket.
Once this quantity is reached, the unit stops (25/50/75/100).

12- REJECT CHECK
When this function is enabled (ON) the unit automatically stops when at least one ticket enters the rejection pocket.

13- CNT MODE
Enables / Disables the CNT (basic count) mode.

14- CNT CF CHECK
Enables / Disables the verification of banknote security features in CNT (Basic Count) mode.

15- ASSIGN OPERATOR: NOT AVAILABLE.

16- CURRENCY CF
In this section the operator configures the sensitivity of the detection sensors of the various banknote security verification functions.

DD: Bill Size Detection
DF: Double Bill Verification
UV: Ultravioelt Detection
MG: Magnetic Detection
MT: Magnetic thread Detection
IR: Infrared Detection

With the ▲ ▼ keys to select the specific denomination to configure. Press ACCEPT to display the functions menu for that specific denomination. Use the ◄ ► keys to change the sensitivity to the desired value. Press ACCEPT to save the changes made.

17- MANUAL INPUT
Enables / Disables the option to save a certain count in the unit's memory. (Grant Total option)

18- 19 PORT L MODE / PORT R MODE
Set the L (left) or R (right) port function to be connected to a computer (TERMINAL) or to be connected to a printer (PRINTER).

20-21- PORT L RATE / PORT R RATE
Configures the communication speed of the serial port (9600 / 19200 38400 / 115200).

PRINTER: Data bits: 8 / Stop bits: 1 / Parity: None
TERMINAL (PC) : Data bits: 7 / Stop bits:1 / Parity: None

22- CIS SELECT
Activates / Deactivates the CIS sensor in CNT mode (Basic Counting)

23- SELECT DIGIT
Allows oeprator to select the format in which to separate the digits on the display or during printing.

24- EXTERNAL DISPLAY
Activates / Deactivates external display's connection.

25- TIME CHECK
Allows operator to configure unit to the date and time desired.

26- STACKER FULL
Allows operator to set the maximum capacity of the stacker.

27- ADD MODE (SDC)
During operation in SDC mode, with ADD function active, when there is a change of denomination the current count can go to ZERO automatically or be controlled by the operator manually.

28- BATCH MODE (MDC)
During operation in MDC mode with ADD function active, when working in BATCH mode, the total accumulated value can be set to return to ZERO or ADD every time the selected grouping quantity is reached.

29- PRINTER CONTROL

- MODES

a- MANUAL: Press the PRINT key to print.

b- AUTO 1: Print automatically every time the stacker is emptied.

c- AUTO 2: Prints automatically each time the hopper and stacker are emptied.

d- REPEAT: 2- Duplicates the printout / 3- Triplicates the printout

e- LINES: Number of blank lines after each printed item

f- LIST: Shows in the printing all denominations, or only the denominations detected in the count.

5- Bill Rejection Codes Descriptions

During the count, suspicious bills are rejected directly into the rejection pocket. To determine the specific cause of rejection, simply press the  key and the display will show the rejection details using the following error codes described bellow.

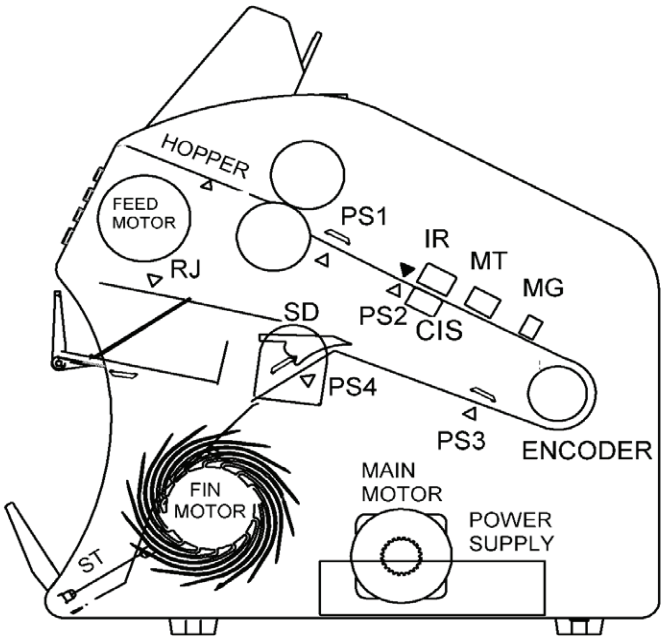
- TYPE 1: Communication failure between Image Software and Control Software.
- IMAGE: The CIS was unable to identify the rejected bill
- MT: Rejected for suspicious MT
- UV: Rejected for suspicious UV
- MG: Rejected for suspicious MG
- IR: Rejected for suspicious IR
- DOUBLE: Rejected because two bills passed stuck together
- CHAIN: Chaining problems (adjust the gap thickness screw)

NOTE: **When a unit reports multiple CHAIN events, the thickness calibration must be checked before proceeding with other measurements. Poor thickness calibration also affects the unit in other aspects of its operation.**

6- Error Codes Descriptions

Error messages reported during unit's operation

- SKEW: Bill entered skewed
- TYPE 2: Rejected because BATCH is full
- REJ DENO: Rejected by denomination
- JAM PS1: PS1 Sensor obstructed, open top cover and remove the jammed bill, press C to continue
- JAM PS2: PS2 Sensor obstructed, open top cover and remove the jammed bill, press C to continue
- JAM PS3: PS3 Sensor obstructed, open top cover and remove the jammed bill, press C to continue
- JAM PS4: PS4 Sensor obstructed, open top cover and remove the jammed bill, press C to continue
- JAM CIS: Clean CIS Sensor



6- Periodic Maintenance

Follow the recommendations below to minimize possible errors during the operation of the unit and extend the life of the unit.

6.1 Daily Maintenance

Proceed with the following routine each day after unit's final use

a. Turn OFF the unit.

b. At the end of each work session use a cloth to remove dust and dirt accumulated during the day.

c. With the brush, remove the dust accumulated in in the exposed optical sensors

6.2 Weekly Maintenance

Proceed with the following routine each week

a. Turn OFF the unit.

b. Open the unit's top cover.

c. Use a brush and a compressed air can to remove dust and debris from the inside of the unit as well as the rollers and transport mechanisms.

d. Use a clean cloth moistened with alcohol to properly clean the CIS sensors as well as the rollers.

Note: Be sure to proceed carefully with cleaning routine to avoid any damage to the unit, especially to the CIS sensors.

7- Specifications

Counting Speed: 750 bills / min (MDC and SDC)

Operating Modes: MIXED (MDC), SORT (SDC), BASIC COUNT (CNT)

Detection Technology: Double Contact Image Sensors (CIS)

Detection Functions: UV-MG-IR-MT

Interface: USB- For Updates / RS232- For Printer and External Display

Feeding System: Friction Rollers

Hopper Capacity: 500 bills

Stacker Capacity: 200 bills

Bill Dimensions: 120mm x 62mm - 160mm x 82mm

Display: High Resolution LCD Display

Power Source : 100-240 VAC, 50-60 Hz

Weight : 13.50 Kg

Dimensions (W x D x H) : 10.5" x 9.7" x 9.5" (270mm x 248mm x 240mm)

Interfaces: RS-232 – Printer Connection

All support provided from our North American 24/7 toll free service center
1-888-594-2228

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