



User Guide

AB8100

High Speed Strapped
UV Bill Counter



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**Thank you for trusting *AccuBANKER*
with your cash handling needs.**

**In order to optimize the performance of your
equipment, we encourage you to thoroughly read
this user guide prior to use.**

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Safety Instructions

Warning



Do not use this product in areas where it may be exposed to water or other liquids.



Unplug this product from the electric outlet before cleaning. Do not use liquid or aerosol cleaners. To clean, use a damp cloth.



To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the appliance is subsequently used.



Only use the cable provided with the unit. The use of other cables may result in electric shock, fire, or cause serious damage to the unit.



Do not operate the unit in areas with high temperature or high humidity since it may prevent it from working correctly.

Caution

When unplugging the power cord, do not pull it by the cord, but rather grip the plug to pull it out. Not following these instructions may result in electric shock, fire, or damage to the unit.

Do not use the unit if the power cord is damaged or if the plug socket contact is loose. Not following these instructions may result in electric shock, fire, or other hazards.

Do not place heavy objects over the cord and do not bend it excessively since it could get damaged. Not following these instructions may result in electric shock, fire, or other hazards.

When not using the unit for a long time, remove the power plug from the electric outlet.

Safety Instructions (cont.)

- Read and understand all of the safety instructions.
- Follow all warnings and instructions marked on the unit.
- This product is meant to be operated in an indoor environment with proper ventilation.
- Do not place near direct sunlight, heat sources, or air conditioners.
- This product should only be operated with the power cord supplied and the type of power source indicated in this user guide. If you are not sure of the type of power supply in your location, consult your vendor or local power company.
- To avoid the risk of fire or electric shock, never push objects into the unit through the case slots or openings, since they may touch dangerous voltage points or shortcut parts. Do not disassemble the unit.
- Never spill liquids of any kind on the product.
- Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power supply cord or plug is damaged or frayed*
 - If liquid has been spilled into the unit, or it has been exposed to rain or water*
 - If the product has been dropped or the case has been damaged*
 - If the product shows a noticeable change in performance

**Not covered under warranty*

NOTE: Do not remove the "ground" prong from the power cord. It is a safety feature meant to protect the user from harm and the equipment from damage.



If the unit does not operate normally while following the instructions, adjust only those controls covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.

1. Introduction

The AB8100P vacuum bill counter is the ideal solution for cash counting reliable, accurate and fast. This unit is designed to meet the most rigorous applications of the financial world of these times Its high counting speed makes it an essential tool in those applications where it is required to count large volumes cash quickly and effectively.

Among the most outstanding features of this model, we find:

- 1- Reliable, Fast, Versatile and Easy to operate.
- 3- Variable counting speed of 3 s / 3.5 s. /4 s / 4.5 s for bundles of 100 bills.
- 4- Allows to count bundled bills.

This User Guide will allow you to get familiar with all the details related to the unit's operation. We recommend reading this guide thoroughly before operating the unit and keeping it for future reference.

2. Getting Started

2.1 Receiving the Unit

Keep the original box as well as any packaging and accessories in case you need to return the unit. If you do not follow these guidelines, and the unit is damaged in transit, the product warranty may be voided.

2.2 Installation

Select an appropriate workspace that is clean, flat, and leveled. The equipment should never be placed near strong sources of light, heat sources, or air conditioners. Please do not install the equipment where its weight cannot be supported.

Plug the power cable to the back of the bill counter and into the wall power outlet. Turn the equipment on.

2.3 Bill Selection / Placement

- A. Avoid counting wet, excessively dirty, folded, or damaged bills.
- B. Check for foreign objects mixed up with the bills such as paper clips, rubber bands, pieces of paper, etc.



2. Getting Started (cont.)

C. If counting new bills, fan them lightly since they often stick together.



D. Position the bills in an orderly manner on the hopper tray to ensure an error-free operation.

3. Equipment Overview

3.1 Part Description

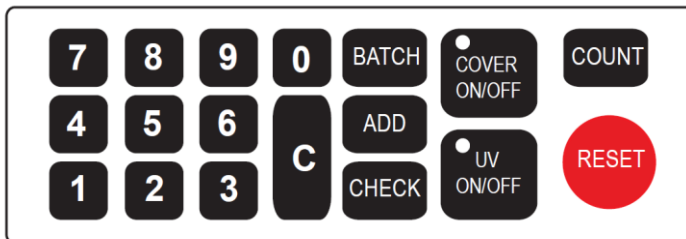


3. Equipment Overview (cont.)

1. **Auxiliary Display:** Shows the count from various angles
2. **Main Screen:** Shows the count directly to the operator
3. **Control Panel:** Control unit operations
4. **On/Off Switch:** On and Off function
5. **Start Switch:** Activates the rotating head for counting
6. **Hopper tray:** The bundle to be counted is positioned
7. **RESET button:** Clears the count data / Returns the tray of bills to the starting position.

3. Equipment Overview (cont.)

3.2 Control Panel Description

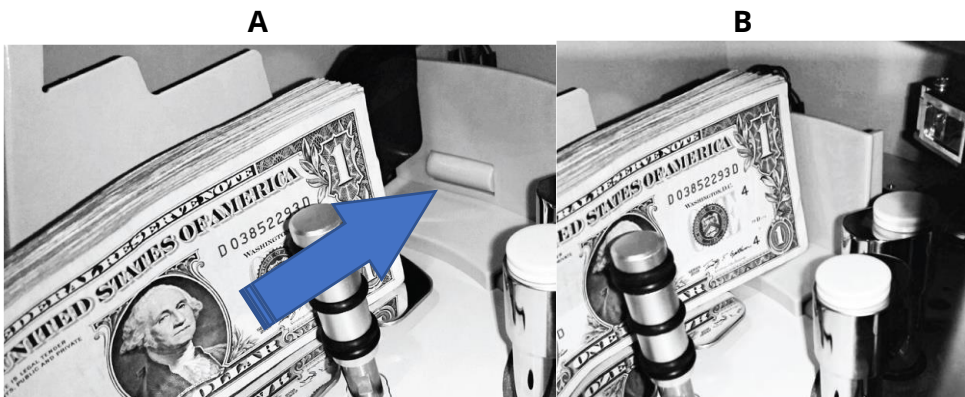


- **BATCH - Batch Count:** Activate the BATCH mode when you need the count to stop at a specific number of bills. This quantity will be defined by the user using the numeric keypad.
- **CHECK - Confirmation:** Activate the CHECK function when you need to verify that the bundles of bills to be counted have exactly 100 pcs each. If the result is other than 100 pcs, press RESET to release the bill tray.
- **COUNT - Free Count:** Activate the COUNT mode when you are going to count bundles of any amount of bills (0 -200).
- **UV ON/OFF - Ultraviolet Detection (only for the model with UV):** Activate the UV function to verify the banknotes during counting and identify any possible suspicious banknotes within the bundle.
- **Numeric keys:** Used to select manually batches quantity.
- **RESET:** Press RESET to clear the screen and start a new count.
- **ADD - Addition:** Activate the ADD function to add the counts successively, the display will show the total amount of the counts.
- **COVER ON/OFF**:** This function is not active for this model.

4. Operation

4.1 Counting Operation

- Proceed to turn on the unit by pressing the power switch.
- The unit will immediately proceed with a self-check routine to confirm the proper functioning of its modules.
- Select other optional functions such as ADD, BATCH, etc., as required.
- Position the bundle of bills on the hopper tray and slide it forward to activate the start switch (fig. A and B).



4.2 Miscounting errors

In case the unit is not having an accurate counting operation, proceed as follow:

- Ensure that the banknotes are placed orderly in the hopper.
- Check the counting sensors for dust or any other kind of malfunctioning source.

4. Operation (cont.)

4.3 Counting Speed

- **Selection of counting speed (3- 3.5 - 4- 4.5 sec / 100pcs)**

- Turn the unit off and on and while the display shows "11111" press the "C" and "9" keys simultaneously for 2 seconds.

- The display shows the code corresponding to the current speed.

- Press the key that corresponds to the new count speed you want to adjust based on the values in the speed table (see below).

- Press RESET to save the selection and exit to counting mode.

NOTE**: The speed set at the factory is 4 seconds/100 bills

Count Speed Adjustment

Key	Speed	Code
3	Up to 1,300 bills / minutes	E1010
6	Up to 1,500 bills / minutes	E1011
9	Up to 1,700 bills / minutes	E1012
0	Up to 2,000 bills / minutes	E1013

5. Specifications

Temperature	32° - 104°F (0° - 40°C)
Humidity	25% - 80%
Display	LED
Counting Speed (new bills)	Up to: 1,300 bills / minutes 1,500 bills / minutes 1,700 bills / minutes 2,000 bills / minutes
Feeding System	Vacuum System
Feeding Type	Bundle-loading
Hopper Capacity	200 bills (new bills)
Power Source (INPUT)	100 - 240 VAC 60/50 Hz
Power Consumption	30 Watts Max. (20 Watts Standby Max.)
Accepted Banknote Type	Paper, Polymer, etc.
Accepted Banknote Dimensions (L x W)	4.5 x 10 - 13 x 24 cm 1.77 x 3.94 - 5.12 x 9.45 in
Product Dimensions (L x W x H)	10.63 x 13 x 29.92 (27 x 33 x 76 cm)
Product Weight	77.3 lbs. (35 kg)

Notes



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