

S3500

USER GUIDE

HIGH SPEED BILL
COUNTER MGUV



SILVER

Thank you for purchasing a *SILVER* product.

It is highly recommended to read this user guide carefully to get familiar with all its functions before starting to operate the machine.

SILVER

For more information on our products visit
www.AccuBANKER.com/SILVER

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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 S3500 bill counter is the perfect solution for a fast, reliable and effective bill counting process. This equipment is designed to meet the most demanding applications in today's financial market.

A simple and friendly user interface as well as its Batch Value function capability will help you to save time and money during your cash handling process.

Some of the most significant features of this model are:

- a- Manual Batch Value function that allows the equipment to calculate the total amount counted (bills must be pre-sorted by denomination)
- b- Reliable, Fast, Versatile and Easy operation
- c- Variable counting speed at 1200-1500-1700 bills/min

2. Installation

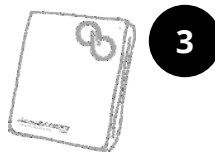
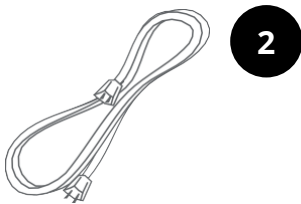
Select an appropriate workspace that is clean, flat and leveled. The equipment should never be placed near strong sources of light, heat sources or air conditioner. Do not install the unit where its weight cannot be supported.

Plug in the power cable to the back of the unit and into the wall power outlet.

3. Box Contents

When opening the box, verify that all the items detailed below are included. If any item is damaged or missing, contact the dealer where the unit was purchased.

1. S3500 Bill Counter
2. Power Cord
3. User Guide
4. Warranty Booklet



4. Placing Bill

Do not count damp or severely damaged bills.

Do not count broken or wrinkled bills, this may cause a jam.



Folded



Curled



Torn



Adhesive

Beware of paper clips, stitching needles, rubber bands etc. on bills to avoid counting errors or jammed bills.



Staples



Paper Clips



Rubber Bands

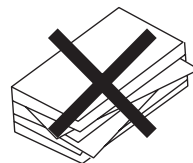
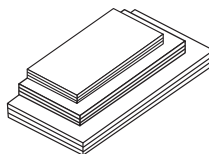
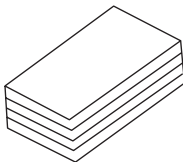


Coins

After making sure the bills are not stuck together, place them in the hopper.

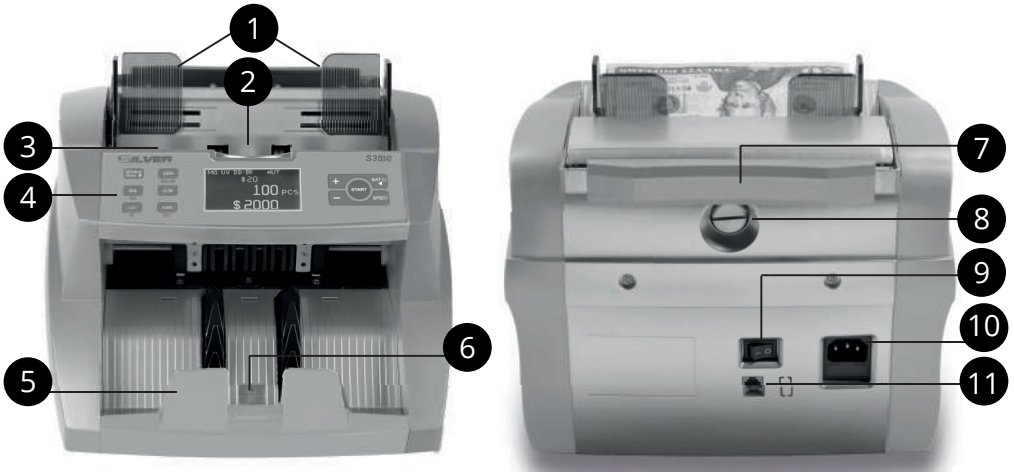


Place the bills correctly in order as shown below.



5. Equipment Overview

5.1 Part Description



1. **Bill Guiders:** Aligns the bills to be counted
2. **Hopper Sensor:** Sends signal to start counting when bills are placed on the hopper
3. **Hopper Tray:** Where bills are placed to be counted
4. **Display/ Control Panel:** Controls to operate different functions
5. **Stacker Tray:** Location of counted bills
6. **Stacker Sensor:** Recognizes bills on the stacker tray
7. **Carry Handle:** For carrying and transporting
8. **Feeding Gap Adjustment Knob:** Used to adjust the opening where bills enter from the hopper tray
9. **On / Off Switch:** Turn the equipment On/Off
10. **Power Cord Jack:** Connection for the power cord
11. **Printer Port:** Printer connection (printer sold separately)

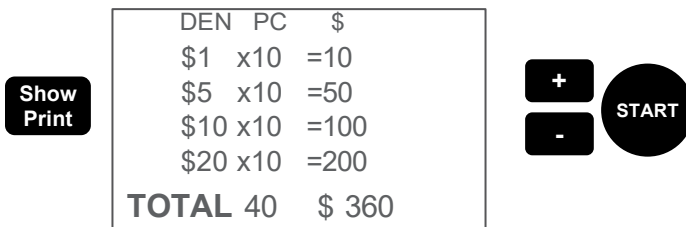
5. Equipment Overview (cont.)

5.2 Control Panel Functions



- **SHOW / PRINT:** Used to show the counting details when the Batch Value function is used or to print a receipt detailing a breakdown by denomination counted. (printer sold separately)
 - **SHOW:** Press SHOW to display an on-screen breakdown of the denominations counted. Use the "+" or "-" keys to scroll through the list.

Press START to go back to the main counting screen and begin a new counting. If the user does not want to delete the current results must activate the ADD.



- **PRINT:** Press PRINT for 3 seconds (long press) to print a receipt with the same denomination breakdown shown on the screen (printer sold separately)

5. Equipment Overview (cont.)

5.2 Control Panel Functions (cont.)

- **MG / DD**: Press MG to enable or disable the Magnetic detection function. This feature verifies the magnetic characteristics of the bills. If the feature is turned on, the unit will stop counting and will emit 3 beeps when a suspicious bill is detected.

Press “MG/DD” for 3 sec. (long press) to enable or disable the DD function. If enabled, it will analyze the size of the bills (WIDTH). The unit will stop counting and will emit 3 beeps when a bill of a “smaller” size is detected.

NOTE: It is recommended to use the DD feature when counting a currency with denominations of different sizes, such as Euro.

- **UV/ IR**: Press UV to enable or disable the Ultraviolet detection function. If enabled, it will scan the ultraviolet characteristics of each bill. The unit will stop counting and will emit 3 beeps when a suspicious bill is detected.

Press “UV/IR” for 3 sec. (long press) to enable or disable the Infrared function (IR). The intensity of the counting sensors can be reduced or increased based on the condition of the bills.

NOTE: When bills are dirty or stained, the equipment may report many “**DOUBLE BILL ALARM**” errors. If so, increase the current setting value of the IR function.

5. Equipment Overview (cont.)

5.2 Control Panel Functions (cont.)




- **BATCH:** Press BATCH repeatedly to go through the preset batch values of 10, 20, 25, 50, 100 or Off.
- **START:** While in SHOW mode, START is used to go back to the counting screen. It is also used to begin the counting operation when the machine is in MANUAL mode.
- **SPEED:** Pressing SPEED sequentially the user can select the specific counting speed among the 1200-1500-1700 bills/minute options.
- **DEN/ VALUE:** Used to enable/ disable the “Batch Value Function” which is used to count bills with denomination selection.
 - a. Press DEN for 3 sec. (long press) to **enable** or **disable** the VALUE mode.
 - b. Press DEN repeatedly to change denominations. Activate ADD if several denominations will be counted together.
 - c. The count result will show the total number of bills and the total value amount of the count.

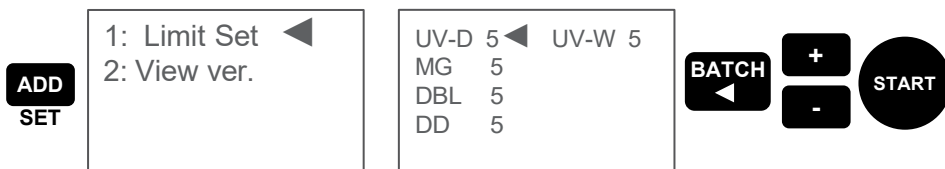
DEN VALUE	<table border="1"><tr><td>MG UV</td><td>AUT</td></tr><tr><td>\$5</td><td>100 pcs</td></tr><tr><td>\$</td><td>500</td></tr></table>	MG UV	AUT	\$5	100 pcs	\$	500	Show Print	<table border="1"><tr><td>DEN</td><td>PC</td><td>\$</td></tr><tr><td>\$5</td><td>x100</td><td>= 500</td></tr><tr><td>TOTAL</td><td>100</td><td>\$ 500</td></tr></table>	DEN	PC	\$	\$5	x100	= 500	TOTAL	100	\$ 500
	MG UV	AUT																
\$5	100 pcs																	
\$	500																	
DEN	PC	\$																
\$5	x100	= 500																
TOTAL	100	\$ 500																

Equipment Overview (cont.)

5.2 Control Panel Functions (cont.)


○ **ADD / SET:** Press ADD to enable or disable the Addition function. Press **SET** for 3 sec. (long press) to access the User Menu to change the sensitivity of the detection functions.

- Once inside the menu, select "Limit Set" then press START.
- The display will show all the detection functions with the current setting value.
- Use the  key to switch between functions and select the desired to change.
- Use   to increase (+) or decrease (-) the current value.
- Press START to save and return to the counting screen.



6. Operation

6.1 Counting Operation

- Turn on the equipment by pressing the power switch.
- The unit will immediately proceed with a self-check process to confirm the proper functioning of its main components. If any error message is reported, go to the “Error Messages” section of this guide to identify its cause.
- Select the desired detection to activate (VALUE, MG, UV, etc.) based on the characteristics of the currency.
- Set up other optional functions such as SPEED, BATCH, AUTO/MANUAL, etc. based on your specific needs.
- Place the bills in an orderly manner on the hopper tray and the equipment will start counting automatically.
- Press  to show the details of the count on the screen and print it. (printer sold separately)

NOTE: If the unit is in MANUAL mode, press START to begin counting.

6.2 Miscounting Errors

If there are continuous counting errors, proceed as follows:

- Make sure the bills are positioned neatly in the hopper tray.
- Verify that the counting sensors are not affected by particles of dust or of some other nature.
- Make sure that the thickness adjustment gap is in the proper position for the bills (whether old, new, dirty, etc.).
- If the equipment displays continuous error messages related to the MG and UV functions, consider reducing the sensitivity of the function.

6. Operation (cont.)

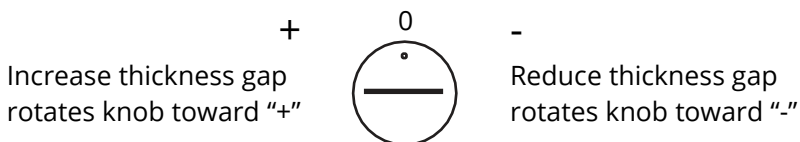
6.3 Feeding Gap Adjustment Knob

If there are frequent counting errors (CHAIN or DOUBLE) and/or the bills do not enter the equipment smoothly, the thickness knob most likely needs to be adjusted.

The adjustment screw is located on the back of the unit. If the screw is turned to the towards (-), the opening where bills enter the equipment from the hopper tray narrows, making the bills run tighter. Turning the screw toward (+) widens the gap, making the bills run more freely.

NOTE: For new bills, it is recommended to leave the gap narrow. For used and worn bills, it is recommended to widen the gap.

- For new (thinner) bills, adjust toward “-” to CLOSE the gap
- For used (thicker) bills, adjust toward “+” to OPEN the gap
- Small adjustment toward “+” direction works best



6.4 Setting Adjustment Parameters

“1” is the lowest and “9” is the highest sensitivity level

UV-D	5	UV-W	5
MG	5		
DBL	5		
DD	5		

Parameter	Description
UV-D	Ultraviolet gross adjustment
MG	Magnetic detection
DBL	Double Bill (Count sensors adjustment)
DD	Width size adjustment
UV-W	Ultraviolet fine adjustment

7. Error Messages

The table shows a summary of the error messages that could be reported by the unit during its operation.

It is highly recommended to keep the equipment clean and free of dust and debris that could affect the optic sensors or other parts. Use the cleaning supplies and accessories recommended by SILVER Money Counters.

ERROR	CAUSE	SOLUTION
UV Alarm	UV suspicious bill	<ul style="list-style-type: none"> - Remove the suspicious bill - Consider reducing UV sensitivity
MG Alarm	MG suspicious bill	<ul style="list-style-type: none"> - Remove the suspicious bill - Consider reducing MG sensitivity
Chain Alarm	Two or more bills passed together (partially overlapped)	<ul style="list-style-type: none"> - Adjust thickness adjustment knob - Verify the bill's fitness quality
Double Bill Alarm	Two or more bills passed together (one on top other)	<ul style="list-style-type: none"> - Fan the bills - Adjust thickness adjustment knob - Consider reducing DBL sensitivity
Width Alarm	Check the size of the bill (width)	<ul style="list-style-type: none"> - Verify the specific bill - Consider adjusting DD sensitivity
Half Bill Alarm	Check for mutilated bill	<ul style="list-style-type: none"> - Remove the specific bill
Stacker Full	Stacker reached maximum capacity	<ul style="list-style-type: none"> - Remove the bills from the stacker
UV Sensor Error	UV Sensor is dirty or damaged	<ul style="list-style-type: none"> - Clean the UV sensor - Contact technical support
Stacker Sensor Error	Stacker sensor problem or bills in the stacker	<ul style="list-style-type: none"> - Clean the stacker sensor - Contact technical support
RIGHT Count Sensor Error	Right counting sensor problem	<ul style="list-style-type: none"> - Clean the sensor - Contact technical support
LEFT Count Sensor Error	Left counting sensor problem	<ul style="list-style-type: none"> - Clean the sensor - Contact technical support

8. Specifications

Temperature	32° - 104°F (0° - 40°C)
Humidity	25% - 80%
Display	LCD
Counting Speed (new bills)	1,200 bills/minute 1,500 bills/minute 1,700 bills/minute
Feeding System	Roller Friction System
Feeding Type	Front-loading
Hopper Capacity	400 bills (new bills)
Stacker Capacity	200 bills (new bills)
Power Source (INPUT)	100 - 240 VAC 60/50 Hz
Power Consumption	60 Watts Max. (3.6 Watts Standby Max.)
Accepted Banknote Type	Paper
Accepted Banknote Dimensions (L x W)	3.9 x 2 - 7 x 3.2 in 10 x 5 - 18 x 8 cm
Printer	Printer Compatible (Sold Separately)
Thermal Printer Paper Dimensions	Dimension: 2.25" x 125' Max. Core Diameter: 0.5"
Product Dimensions (L x W x H)	10.2 x 9.3 x 9.6 in (26 x 23.5 x 24.5 cm)
Product Weight	11 lb (5.5 kg)

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www.SILVERMoneyCounters.com

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