PONNOR AL-5100

PONNOR Money Counter Machine User Manual

Model: AL-5100

Introduction

Thank you for choosing the PONNOR Money Counter Machine. This device is designed for efficient and accurate counting of banknotes, featuring advanced counterfeit detection capabilities. Please read this manual thoroughly before operation to ensure proper use and maintenance.

Setup

1. Unboxing and Package Contents

Carefully remove all components from the packaging. Ensure all items listed below are present:

- One (1) PONNOR Money Counter Machine
- One (1) Power Cord (American standard, 110V)
- One (1) Cleaning Brush
- One (1) External Display
- One (1) Spare Fuse
- Four (4) Currency Straps (50pcs Each)
- One (1) User Manual (this document)



Figure 1: Package Contents - Money counter, power cord, cleaning brush, external display, spare fuse, and currency straps.

2. Power Connection

Connect the provided power cord to the machine's power input port located at the rear. Plug the other end into a standard 110V AC power outlet. **Caution:** This unit is designed for 110V American standard outlets. Using it with different voltages or in other countries without a voltage converter may cause damage to the machine.

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Video 1: Official product video demonstrating power connection and basic operation.

3. External Display Connection

For dual viewing, connect the external display to the designated port on the machine. This allows customers or other users to view the count simultaneously.



Figure 2: Money counter with the external display connected, showing its compact design and clear readouts.

4. Initial Self-Check

Upon powering on, the machine performs an automatic self-check to ensure all systems are functioning correctly. The display will show a brief sequence before settling into the default counting mode.

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Video 2: Official product video demonstrating the self-check process upon startup.

Operating Instructions

1. Control Panel Overview

The machine features a 3.7-inch large LCD display and a 12-key control panel for various functions. The display clearly shows counting data, modes, and detection statuses.



Figure 3: Detailed view of the control panel and large LCD display, highlighting various modes and functions.

2. Operating Modes

The PONNOR Money Counter supports several operating modes to suit different counting needs:

- **Auto Mode:** Automatically starts counting when bills are placed in the hopper.
- **Manual Mode:** Requires pressing the "Start" button to begin counting after bills are placed. This mode does not include counterfeit detection.
- **Value Mode:** Allows you to select a fixed denomination (e.g., $20, $100) and the machine will calculate the total value of the bills counted. This mode is for same-denomination bills only.
- **Add Mode:** Accumulates the count from multiple batches. Useful for large quantities of bills of the same denomination.
- **Batch Mode:** Presets the number of bills to count in each batch (e.g., 10, 20, 50, 100). The machine will stop after counting the set quantity.
- **Currency Selection (USD/EUR):** Allows switching between USD and EUR counting.

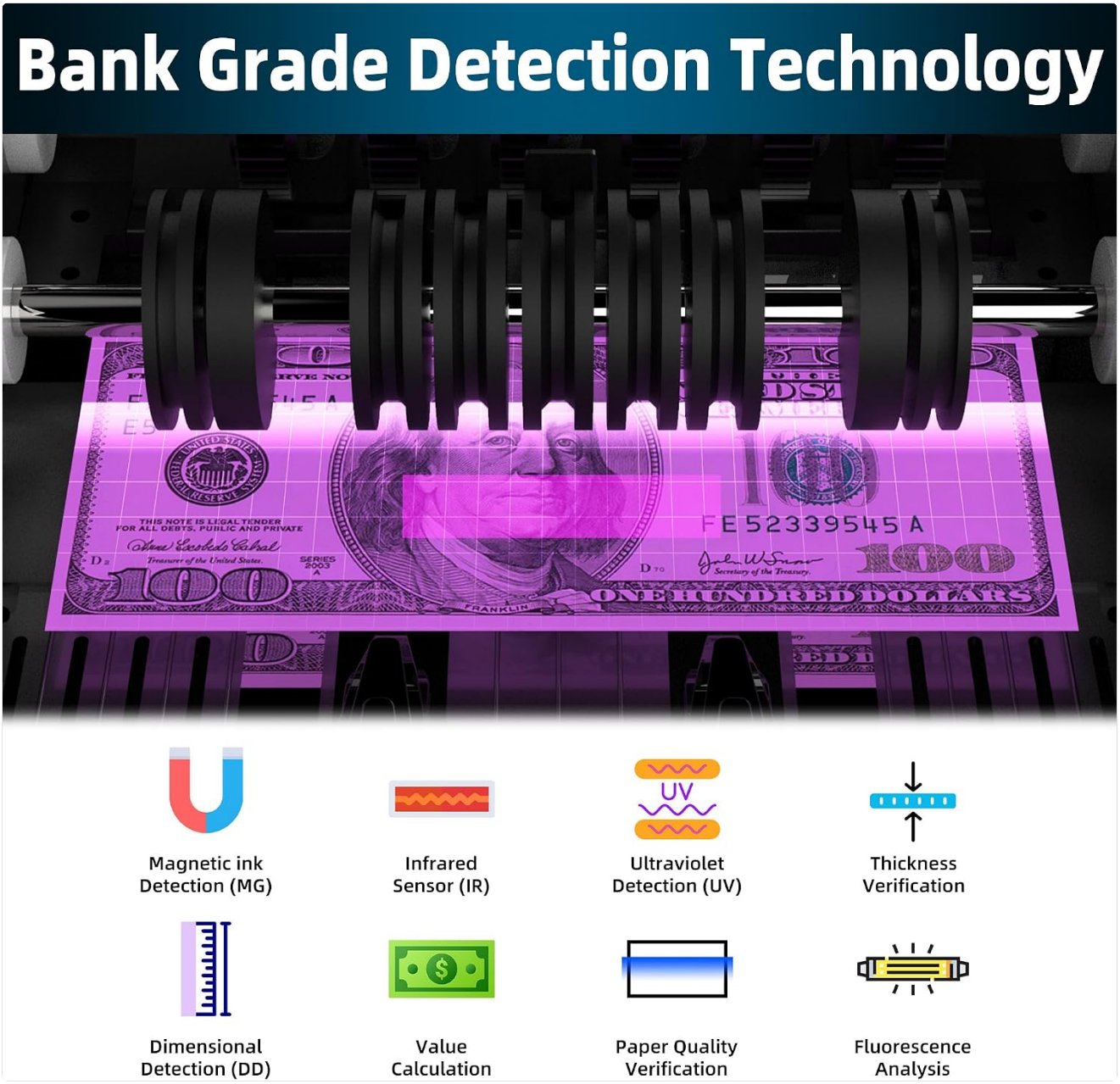


Figure 4: Visual representation of the various counting modes available on the machine's display.

3. Loading Bills

Place bills neatly into the hopper. For optimal performance and to prevent jams, ensure bills are not excessively wrinkled or folded. The widened bill impeller effectively prevents bills from flying or jamming during high-speed counting.



Figure 5: Illustration of the bill loading process, emphasizing the smooth counting mechanism.

4. Counterfeit Detection

The machine is equipped with multiple detection methods to identify counterfeit bills:

- **UV (Ultraviolet) Detection:** Checks for UV security features on banknotes.
- **MG (Magnetic) Detection:** Detects magnetic ink patterns present on genuine currency.
- **IR (Infrared) Detection:** Verifies infrared security features.
- **DD (Dimensional Detection):** Checks for discrepancies in bill dimensions.
- **DBL (Double Bill Detection):** Identifies if two bills are fed together.
- **HLF (Half Note Detection):** Detects torn or half notes.
- **CHN (Chain Note Detection):** Recognizes bills that are stuck together end-to-end.

If a fake or broken bill is detected, the screen will turn red and an audible alarm will sound.



Figure 6: Visual explanation of the bank-grade detection technologies, including UV, MG, IR, and DD.

Maintenance

1. Cleaning

Regular cleaning is essential for maintaining the machine's accuracy and longevity. Use the provided cleaning brush to remove dust and debris from the bill path and sensors. Ensure the machine is powered off and unplugged before cleaning.

2. Adjusting Feed Gap

If the machine frequently misfeeds or jams, the feed gap may need adjustment. Locate the knob on the back of the machine and turn it to adjust the gap for smoother bill feeding. This can help with very wrinkled bills.

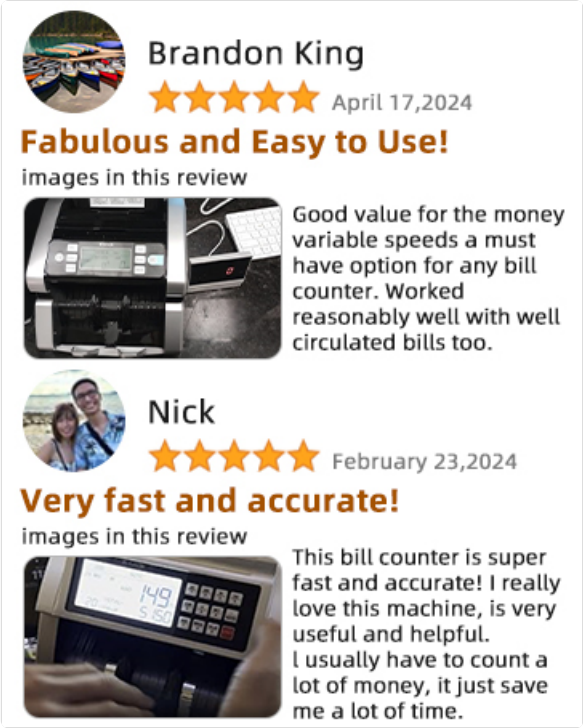


Figure 7: Close-up view of the adjustment knob for the feed gap, located on the back of the machine.

Troubleshooting

Problem	Possible Cause	Solution
Machine does not power on.	Power cord not connected, power outlet issue, or blown fuse.	Ensure power cord is securely connected. Test the outlet with another device. Check and replace the spare fuse if necessary.
Bills jam frequently.	Bills are too wrinkled, improperly loaded, or feed gap needs adjustment.	Straighten bills before loading. Ensure bills are loaded neatly. Adjust the feed gap using the knob on the back of the machine.
Counterfeit detection error (red screen, alarm).	Detected a counterfeit, suspicious, or damaged bill.	Remove the flagged bill and inspect it. If it's genuine, try counting it again or in manual mode.
Inaccurate counting.	Sensors are dirty or bills are not properly aligned.	Clean the sensors and bill path with the provided brush. Ensure bills are stacked evenly in the hopper.

Specifications

Feature	Detail
Brand	PONNOR

Feature	Detail
Model Number	AL-5100
Item Weight	12.58 pounds
Product Dimensions	9.5 x 11.5 x 5.5 inches
Color	Silver
Material Type	PP
Counting Speed	>1300 bills/min
Hopper Capacity	200 bills
Noise Level	<60dB
Display	3.7” Large LCD Display
Detection Methods	UV, IR, MG, DD, DBL, HLF, CHN
Power Supply	AC110V/60Hz

Warranty and Support

PONNOR is committed to providing high-quality products and excellent customer service. If you have any questions or require assistance with your money counter machine, please do not hesitate to reach out to us through the support options provided with your purchase or via the official PONNOR website.
We offer 24/7 technical support to ensure your machine operates smoothly.

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