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CASHTEK N10-without serial number reading

CASHTEK N10 Money Counter Machine User Manual

Model: N10-without serial number reading

INTRODUCTION

The CASHTEK N10 Money Counter Machine is designed for efficient and accurate counting of US Dollar bills, including mixed denominations. It features advanced counterfeit detection technologies to ensure the authenticity of currency. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to help you maximize the performance and longevity of your device.



Image: The CASHTEK N10 Money Counter Machine, a compact black device with a bill hopper and stacker, and an external display unit.

WHAT'S IN THE BOX

Upon opening the package, verify that all components are present:

- CASHTEK N10 Money Counter Machine
- User Manual
- Warranty Card
- Calibration Paper
- External Display
- Power Adapter
- Power Cord
- Plastic Brush (for cleaning)
- Printer Adapter (optional, for connecting a printer)

Video: An unboxing demonstration of the CASHTEK N10 Mixed Denomination Bill Counter, showing all included accessories and the main unit.

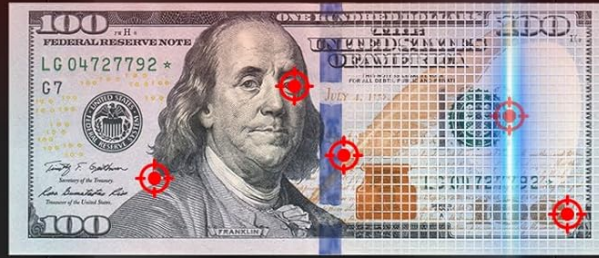


Image: A visual representation of the CASHTEK N10 machine and its accessories, including the power cord, adapter, external display, and cleaning brush, along with key dimensions.

KEY FEATURES

- **Mixed Denomination Value Counting:** Accurately counts and calculates the total value of mixed US Dollar denominations, providing a detailed breakdown of quantity and subtotal for each denomination.
- **Advanced Counterfeit Detection:** Equipped with UV (Ultraviolet), MG (Magnetic), IR (Infrared), and RGB (Color Spectrum) detection technologies to identify suspicious bills. This multi-point detection system helps protect against various types of counterfeits.
- **Multiple Operating Modes:** Supports various counting modes including:
 - **Value Counting Mode:** Counts mixed denominations and provides total value.
 - **Single Denomination Sorting Mode:** Sorts bills based on the first recognized denomination, pausing when a different denomination is detected.
 - **Piece Counting Mode:** Counts the number of bills regardless of denomination.
 - **Accumulation Mode:** Adds successive counts to a running total.
 - **Batch Mode:** Counts bills into preset batches.
 - **Auto/Manual Counting Mode:** Allows selection between automatic and manual start for counting.
- **User-Friendly Interface:** Features a clear TFT screen that displays essential information for easy understanding and operation.
- **Easy Maintenance:** Designed with a back cover that can be opened for convenient cleaning and routine maintenance, ensuring smooth operation and longevity.
- **Low Noise Operation:** Operates with minimal noise, contributing to a more comfortable working environment.

Precise & Complete Counterfeit Detection



UV detection



MG detection



Infrared reflection
detection



RGB 3 light source

Image: Illustration of the machine's precise counterfeit detection capabilities, highlighting UV, MG, Infrared reflection, and RGB light source detection methods.



Image: A close-up of the machine's TFT screen displaying various counting details, including currency identification, counterfeit detection function identification area, nominal value, number of banknotes, and total amount.



Image: The CASHTEK N10 Money Counter Machine shown alongside an optional external printer, which can be connected to print

SETUP GUIDE

1. **Unpack the Machine:** Carefully remove the N10 Money Counter and all accessories from its packaging.
2. **Choose a Location:** Place the machine on a stable, flat surface with adequate ventilation. Ensure there is enough space around the machine for bill feeding and stacking.
3. **Connect Power:** Connect the power adapter to the machine's power input port, then plug the power cord into a suitable electrical outlet.
4. **Connect External Display (Optional):** If using the external display, connect its cable to the corresponding port on the back of the N10 machine.
5. **Power On:** Press the power button to turn on the machine. The display will light up, indicating it is ready for operation.
6. **Initial Calibration (if necessary):** Refer to the included Calibration Paper and User Manual for instructions on performing initial calibration, if prompted by the machine or if counting accuracy issues arise.

OPERATING INSTRUCTIONS

Loading Bills

- Ensure bills are neatly stacked and free from excessive wrinkles, tears, or folds.
- Place the stack of bills into the hopper, ensuring they are aligned properly against the guides.
- Adjust the bill guides to snugly fit the width of the bills.

Selecting Operating Modes

The N10 offers several counting modes accessible via the control panel buttons:

- **Value Counting (AUTO VALUE):** Press the **MODE** button until "AUTO VALUE" is displayed. This mode counts mixed denominations and provides a total value.
- **Piece Counting (CNT):** Select "CNT" mode to count the number of bills without regard to their denomination.
- **Sorting (VER):** In this mode, the machine sorts bills based on the first bill detected. If a different denomination is encountered, the machine will stop and alert the user.
- **Accumulation (ADD):** Activate "ADD" mode to continuously add counts from multiple batches.
- **Batch (BATCH):** Use "BATCH" mode to count bills into specific quantities. Press the **BATCH** button and use the numeric keypad to set the desired batch size.



Image: Screenshots of the machine's display in various modes: ADD (accumulation), CNT (count), VER (verify/sort), BATCH, and VALUE, showing how information is presented for each function.



Image: A close-up view of the CASHTEK N10's control panel, showing the buttons for various functions and the display screen.

Starting and Stopping

- **Auto Start:** If Auto mode is enabled, counting will begin automatically once bills are placed in the hopper.
- **Manual Start:** If Manual mode is selected, press the **START** button after placing bills in the hopper.
- **Stop:** Press the **STOP** button to halt counting at any time.
- **Clear:** Press the **CLR** button to clear the current count and reset the display.

COUNTERFEIT DETECTION

The CASHTEK N10 employs multiple detection methods to identify counterfeit currency:

- **UV (Ultraviolet) Detection:** Checks for UV security features embedded in genuine banknotes.

- **MG (Magnetic) Detection:** Verifies the presence and pattern of magnetic ink used in currency.
- **IR (Infrared) Detection:** Scans for infrared security features, which are invisible to the naked eye.
- **RGB (Color Spectrum) Detection:** Analyzes the color properties of the bills to ensure they match genuine currency.
- **Dimensional and Thickness Detection:** Measures the physical dimensions and thickness of bills to detect anomalies.

If a suspicious bill is detected, the machine will typically stop counting, display an error code, and alert the user. Remove the suspicious bill and press **START** to resume counting.

MAINTENANCE

Regular cleaning and maintenance are crucial for optimal performance and longevity of your N10 Money Counter.

Cleaning Procedure

1. **Power Off and Unplug:** Always turn off the machine and unplug it from the power outlet before cleaning.
2. **Open Back Cover:** The N10 features an easily accessible back cover. Open it to expose the internal components.
3. **Brush Away Dust and Debris:** Use the provided plastic brush or a soft, dry cloth to gently remove any dust, lint, or paper residue from the sensors, rollers, and bill pathways. Pay special attention to the feeding rollers and detection sensors.
4. **Clean External Surfaces:** Wipe the exterior of the machine with a soft, damp cloth. Avoid using abrasive cleaners or solvents.
5. **Close Cover and Power On:** Once cleaning is complete, close the back cover securely and plug the machine back in.

Perform cleaning regularly, especially if the machine is used frequently or if you notice a decrease in counting accuracy or an increase in bill jams.



Image: A view of the CASHTEK N10 with its back cover open, demonstrating the easy access for cleaning internal components with a brush.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---|---|--|
| Bills frequently jam or get stuck. | Bills are not neatly stacked or are damaged. Dust/debris on sensors or rollers. Bill guides are not properly adjusted. | Straighten bills, remove damaged ones. Clean internal sensors and rollers (refer to Maintenance section). Adjust bill guides to fit the stack snugly. |
| Inaccurate counting or value calculation. | Sensors are dirty. Bills are not fed correctly. Machine requires calibration. Mixed denominations in single-denomination mode. | Clean sensors. Ensure bills are aligned and fed smoothly. Perform calibration as per user manual. Select "Value Counting" mode for mixed bills or "Sorting" for single denominations. |
| Counterfeit detection errors. | Dirty detection sensors. Old or worn banknotes. Genuine bill might have unusual characteristics. | Clean all detection sensors. Try counting the bill again or with a different orientation. Manually verify the bill if unsure. |
| Machine does not power on. | Power cord or adapter not connected properly. Power outlet issue. | Check all power connections. Test the outlet with another device. |

SPECIFICATIONS

| Attribute | Detail |
|--------------------------|-----------------------------------|
| Brand | CASHTEK |
| Model Number | N10-without serial number reading |
| Item Weight | 11 pounds |
| Product Dimensions | 9.65 x 9.65 x 10.63 inches |
| Color | Black |
| Manufacturer Part Number | N10 |
| First Available Date | January 17, 2022 |

WARRANTY AND SUPPORT

CASHTEK provides comprehensive support for your N10 Money Counter Machine:

- **One-Year Quality Protection:** Your purchase is covered by a one-year quality protection period.
- **Lifetime Technical Support:** Receive lifetime technical assistance for any operational or technical queries.
- **Lifetime Software Upgrade:** Benefit from lifetime software upgrades to ensure compatibility with new bill versions and improved functionality.

For technical support or warranty claims, please refer to the contact information provided in your Warranty Card or visit the official CASHTEK website.



Image: A visual emphasizing the benefits of using the money counter for business efficiency and time-saving, featuring the machine on a wooden table with detection icons.



Image: A comparison showing the "low efficiency" of manual money counting versus the ease of using the machine.



Image: A visual illustrating how the money counter "frees your hands" from the tedious task of manual counting.

