**PONNOR N70**

# PONNOR N70 Mixed Denomination Money Counter Machine User Manual

Model: N70

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## 1. Introduction

This manual provides instructions for the safe and efficient operation of your PONNOR N70 Mixed Denomination Money Counter Machine. The N70 is designed for accurate bill counting and counterfeit detection, supporting multiple currencies and counting modes.
Please read this manual thoroughly before using the device and retain it for future reference.

## 2. Safety Information

Observe the following safety precautions to prevent damage to the device or injury to yourself:

- Ensure the power supply voltage matches the device's requirements (110V for US standard).
- Do not operate the machine with wet hands.
- Keep the machine away from water or other liquids.
- Do not attempt to open or repair the machine yourself. Contact customer support for assistance.
- Keep loose clothing, hair, and jewelry away from moving parts during operation.
- Unplug the machine when not in use or before cleaning.

## 3. Package Contents

Verify that all items are present in the package:

- 1x PONNOR N70 Mixed Denomination Bill Counter
- 1x External Display
- 1x Power Cord

- 1x Dust Cover
- 1x IR Calibration Paper
- 1x Nylon Brush
- 1x Clean Cloth
- 1x Fuse
- 1x User Manual (this document)




Image: Contents of the PONNOR N70 package, including the money counter, external display, power cord, and accessories.

## 4. Setup

### 4.1 Unpacking and Placement

1. Carefully remove the money counter and all accessories from the packaging.
2. Place the machine on a stable, flat surface.
3. Ensure adequate ventilation around the machine.

### 4.2 Connecting the Power Cord

1. Connect the power cord to the power input port on the back of the machine.
2. Plug the other end of the power cord into a standard 110V AC outlet.

### 4.3 Connecting the External Display

1. Locate the external display port on the back of the main unit.
2. Connect the external display cable to this port.
3. Position the external display for optimal viewing.




Image: The PONNOR N70 money counter with its external display connected and ready for use.

## 5. Operation

### 5.1 Control Panel Overview

The N70 features a user-friendly control panel with a 3.5-inch TFT LCD display. Key buttons and their functions are:

- **MENU:** Enters the menu interface for settings adjustment.
- **CFD:** Adjusts the counterfeit detection level.
- **A/M (Auto/Manual):** Toggles between automatic and manual counting modes.
- **ESC:** Returns to the previous interface.
- **PRINT:** Prints counted banknote information (requires external printer, not included).
- **DETAIL:** Displays detailed counted information.
- **CUR:** Selects the currency type (USD, MXN, CAD, EUR, GBP).
- **ADD:** Toggles the accumulation function (adds current count to previous).
- **MODE:** Selects counting modes: Mixed Denomination Counting (MDC), Single Denomination Counting (SDC), Count The Number (CNT).

- **BATCH:** Sets the batch number for counting.
- **START:** Initiates counting or other operations.

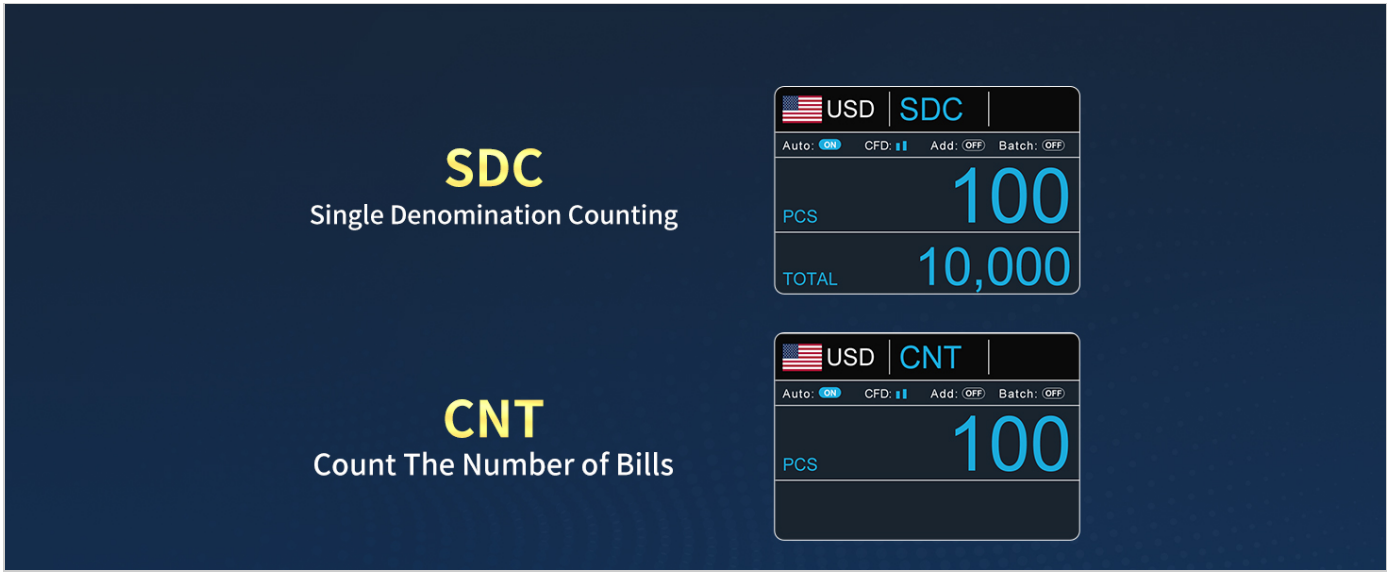



Image: Diagram illustrating the control panel and display of the PONNOR N70, highlighting button functions.

## 5.2 Loading Bills

1. Fan out the bills to ensure they are not stuck together.
2. Place the stack of bills neatly into the hopper, ensuring they are aligned.
3. Adjust the bill guides to fit the width of the bills.



Image: Three-step visual guide demonstrating the correct method for inserting bills into the PONNOR N70 money counter's hopper.

## 5.3 Counting Modes

- **Mixed Denomination Counting (MDC):** Automatically recognizes denominations and calculates total value and quantity. Supports USD, MXN, CAD, EUR, GBP.
- **Single Denomination Counting (SDC):** Counts the quantity of bills of a single denomination.
- **Count The Number (CNT):** Counts the total number of bills without denomination recognition.
- **Batch Mode:** Sets a specific number of bills to count in each batch.
- **Add Mode:** Accumulates the count from multiple counting operations.

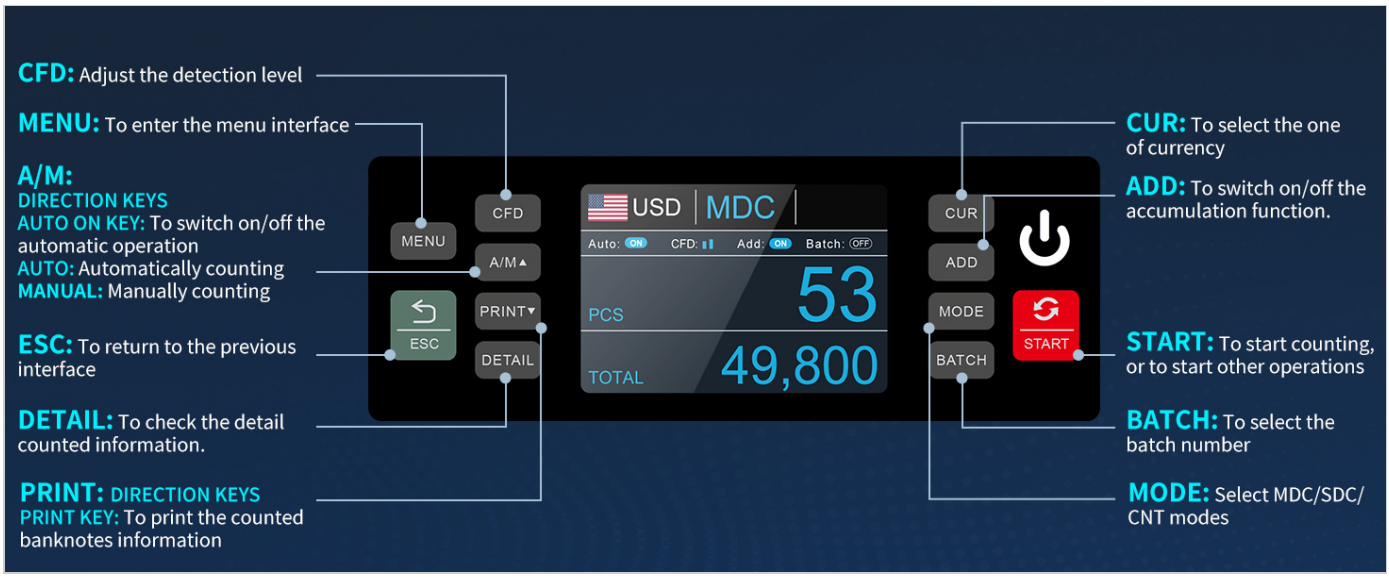



Image: Display examples of various counting modes on the PONNOR N70, including MDC, SDC, CNT, Batch, and Add modes.

## 5.4 Counterfeit Detection

The N70 employs multiple detection methods:

- **UV (Ultraviolet) Detection:** Checks for UV features on banknotes.
- **MG (Magnetic) Detection:** Detects magnetic ink patterns.
- **IR (Infrared) Detection:** Verifies infrared security features.
- **MT (Magnetic Thread) Detection:** Checks for magnetic security threads.
- **Dimensional Detection:** Analyzes banknote size.

If a counterfeit, half, chained, or double bill is detected, the machine will stop, display a red alert, and sound an alarm.

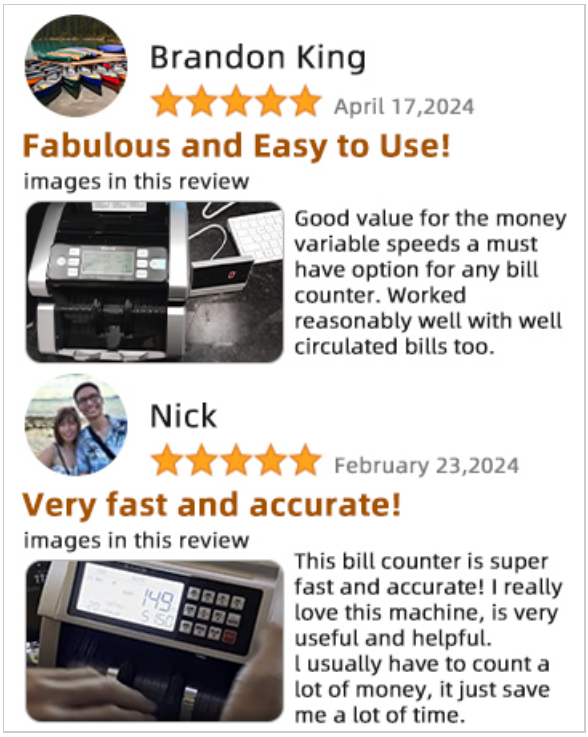



Image: Visual representation of the PONNOR N70's counterfeit detection capabilities, including UV, MG, and IR sensors.

# 6. Maintenance

### 6.1 Cleaning the Machine

Regular cleaning ensures optimal performance and longevity:

1. Unplug the power cord before cleaning.
2. Use the provided nylon brush and clean cloth to remove dust and debris from the bill path, sensors, and rollers.
3. For stubborn dirt, lightly dampen the cloth with water (do not use harsh chemicals).
4. Ensure all parts are dry before plugging the machine back in.




Image: A three-step guide on how to resolve bill jamming issues, including cleaning the sensors and adjusting the bill thickness knob.

### 6.2 IR Sensor Calibration

If counting accuracy decreases, the IR sensors may need calibration. Refer to the specific instructions provided with the IR Calibration Paper for detailed steps.

## 7. Troubleshooting

This section addresses common issues. For problems not listed here, contact customer support.

| Problem | Possible Cause | Solution |
|---|---|---|
| Machine does not power on. | Power cord not connected, power outlet faulty, fuse blown. | Check power cord connection. Try a different outlet. Replace fuse if necessary (refer to package contents for spare fuse). |
| Bills jam frequently. | Bills are not fanned out, bill guides are not adjusted, dirty rollers/sensors, worn bills. | Fan out bills before loading. Adjust bill guides. Clean rollers and sensors (see Maintenance). Remove excessively worn or damaged bills. |
| Inaccurate counting or counterfeit detection errors. | Dirty sensors, incorrect currency selected, bills not properly aligned. | Clean all sensors. Ensure correct currency is selected in CUR mode. Load bills correctly. Calibrate IR sensors if needed. |
| External display not working. | Cable loose or damaged. | Check the connection of the external display cable. |

## 8. Specifications

| Feature | Detail |
|---|---|
| Model | N70 |
| Counting Speed | Up to 1,200 bills/minute |
| Hopper Capacity | 200 bills |
| Display | 3.5" TFT LCD (main), Side Screen, External Display |
| Counterfeit Detection | UV, MG, IR, MT, Dimensional |
| Supported Currencies | USD, MXN, CAD, EUR, GBP (No mixed bill counting for non-USD) |
| Counting Modes | MDC, SDC, CNT, Batch, Add |
| Power Supply | 110V (US Standard) |
| Item Weight | 15.57 pounds |
| Package Dimensions | 15.65 x 12.65 x 10.4 inches |

## 9. Warranty and Support

### 9.1 Warranty Information

PONNOR products typically come with a manufacturer's warranty. Please refer to the warranty card included in your package or visit the official PONNOR website for detailed warranty terms and conditions.

### 9.2 Customer Support

If you encounter any issues or have questions regarding your PONNOR N70 Money Counter Machine, please contact our customer support team. Support options are usually provided in the product packaging or on the official PONNOR website.
For technical assistance or service requests, please have your model number (N70) and purchase date available.
You can also visit the PONNOR Store on Amazon for more information and support resources.

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

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