

[Manuals.plus](#) /

› [Nadex](#) /

› Nadex V1800 Money Counter User Manual

Nadex V1800

Nadex V1800 Money Counter User Manual

Model: V1800 (NCC1-1141)

1. IMPORTANT SAFETY INSTRUCTIONS

Please read all instructions carefully before operating the Nadex V1800 Money Counter. Retain this manual for future reference.

- **Power Supply:** Connect the unit only to a properly grounded outlet to reduce the risk of electric shock. Ensure the power supply matches the voltage requirements specified on the unit's label.
- **Environment:** Do not expose the unit to water or excessive moisture. Operate in a dry, well-ventilated area. Avoid placing the unit near heat sources or in direct sunlight.
- **Handling:** Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel. Avoid inserting foreign objects into the machine.
- **Cleaning:** Disconnect the power cord before cleaning. Use a soft, dry cloth. Do not use liquid or aerosol cleaners.

WARNING: TO REDUCE RISK OF ELECTRIC SHOCK, CONNECT TO PROPERLY GROUNDED OUTLET ONLY.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Nadex V1800 Main Unit
- User Manual
- Power Cord
- Cleaning Brush
- Fuse
- Conveyor Belt (spare)
- External Display
- Rubber Roller (spare)

3. PRODUCT OVERVIEW

The Nadex V1800 is a professional-grade money counter designed for accurate and fast bill counting with integrated counterfeit detection capabilities. It processes up to 1000 notes per minute and features a dual TFT display for clear information display and warnings.



Figure 3.1: Nadex V1800 Money Counter with main unit, external display, and key features highlighted.

Key Features:

- **High-Speed Counting:** Counts up to 1000 bills per minute.
- **Counterfeit Detection:** Utilizes Ultraviolet (UV), Magnetic (MG), and Infrared (IR) sensors for comprehensive fake bill detection.
- **Dual TFT Display:** Features a main display for operational information and a secondary external display for customer viewing. The main display changes color to red upon counterfeit detection.
- **Operational Modes:** Includes Batch, Add, and Self-Examination functions.
- **Automatic Operation:** Automatic start, stop, and clear functions for efficient counting.
- **Currency Compatibility:** Compatible with US currency and most other currencies worldwide, accommodating

notes with a thickness of 0.075-0.15 mm and sizes from 50 x 100 mm to 90 x 190 mm.



Figure 3.2: Overview of the Nadex V1800 Bill Counter's primary functions and capabilities.

4. SETUP

Follow these steps to set up your Nadex V1800 Money Counter:

1. **Unpack the Unit:** Carefully remove the money counter and all accessories from its packaging.
2. **Placement:** Place the unit on a stable, flat, and dry surface, ensuring adequate space around it for operation and ventilation.
3. **Connect External Display (Optional):** If using the external display, connect its cable to the designated port on the back of the main unit.
4. **Power Connection:** Insert the power cord into the power inlet on the back of the unit, then plug the other end into a properly grounded electrical outlet.
5. **Power On:** Flip the power switch located on the back of the unit to the 'ON' position. The unit will perform a self-test.



Figure 4.1: Rear view of the Nadex V1800, illustrating the power input and external display connection port.

5. OPERATING INSTRUCTIONS

This section details the various functions and modes of the Nadex V1800 Money Counter.

5.1 Basic Counting

1. Ensure the unit is powered on and has completed its self-test.
2. Place a stack of bills neatly into the hopper. Ensure the bills are aligned and not folded or crumpled.
3. The machine will automatically start counting. The count will be displayed on the main TFT screen and the external display.
4. Once counting is complete, remove the counted stack from the stacker. The display will reset for the next count.



Figure 5.1: Proper placement of bills into the hopper for counting.

5.2 Counterfeit Detection

The Nadex V1800 employs Ultraviolet (UV), Magnetic (MG), and Infrared (IR) sensors to detect counterfeit bills during the counting process.

- **UV Detection:** Checks for security threads and watermarks visible under ultraviolet light.
- **MG Detection:** Scans for magnetic ink patterns present in genuine currency.
- **IR Detection:** Verifies infrared security features, such as specific ink patterns that appear or disappear under infrared light.

If a suspicious bill is detected, the machine will stop counting, emit an audible beep, and the main TFT display will turn red, indicating an error. Remove the suspicious bill and press the 'START' button to resume counting.

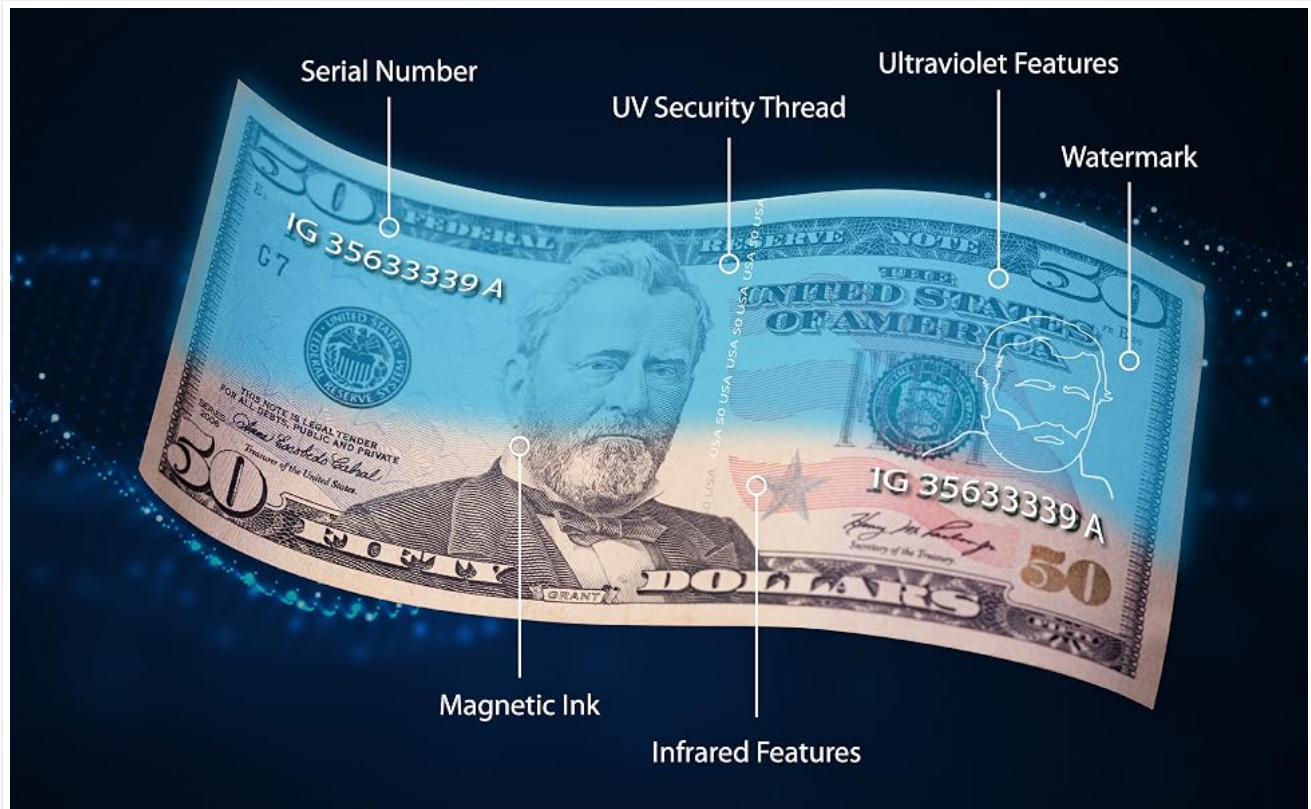


Figure 5.2: Common security features found on banknotes that the V1800 detects.

5.3 Batch Function

To count bills into specific batch sizes:

1. Press the 'BATCH' button on the control panel.
2. Use the numerical keypad to enter the desired batch size (e.g., 100, 50, 25).
3. Place bills into the hopper. The machine will count until the set batch size is reached, then stop.
4. Remove the batch, and the machine will automatically resume counting for the next batch.

5.4 Add Function

To accumulate the total count of multiple stacks of bills:

1. Press the 'ADD' button on the control panel.
2. Place the first stack of bills into the hopper. The machine will count them.
3. Remove the counted stack. The count will remain on the display.
4. Place subsequent stacks into the hopper. The machine will add their counts to the running total.
5. Press 'ADD' again to exit the add function.

NADEX V1800

MONEY COUNTER COUNTERFEIT DETECTOR



1000

Notes/Min



Multi-Sensor Detection System:



Ultraviolet



Infrared



Magnetic

Figure 5.3: The control panel and display, showing various function buttons.

5.5 Self-Examination Function

The Nadex V1800 includes a self-examination function to diagnose internal components. Refer to the on-screen prompts or specific button combinations in the full user manual for initiating this diagnostic test.

Your browser does not support the video tag.

Video 5.1: Demonstration of the Nadex V1800 Money Counter in operation, highlighting its counting speed and efficiency.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Nadex V1800 Money Counter.

6.1 Cleaning

Dust and debris can accumulate on sensors and rollers, affecting counting accuracy and detection. Clean the unit regularly:

1. **Power Off:** Always turn off and unplug the machine before cleaning.
2. **Dust Removal:** Use the provided cleaning brush to gently remove dust and paper fibers from the hopper, stacker, and internal pathways.

- 3. **Sensor Cleaning:** Carefully wipe the UV, MG, and IR sensors with a soft, lint-free cloth. Avoid abrasive materials.
- 4. **Roller Cleaning:** Clean the rubber rollers with a slightly damp cloth (water only) to maintain their grip. Ensure they are completely dry before operating the machine.

6.2 Component Replacement

The package includes spare conveyer belts and rubber rollers. If these components show signs of wear and tear, they may need replacement to maintain optimal performance. Refer to the detailed instructions in the complete user manual for specific replacement procedures or contact customer support.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Nadex V1800 Money Counter.

- **Machine Does Not Power On:**
 - Check if the power cord is securely plugged into both the machine and the electrical outlet.
 - Ensure the power switch on the back of the unit is in the 'ON' position.
 - Verify the electrical outlet is functional.
 - Check the fuse (a spare is provided in the package).
- **Inaccurate Counting:**
 - Ensure bills are neatly stacked and not folded or crumpled in the hopper.
 - Clean the internal sensors and rollers as described in the Maintenance section.
 - Adjust the bill thickness guide if available (refer to full manual).
- **Counterfeit Detection Errors (Red Display/Beep):**
 - Remove the flagged bill and inspect it. If it is genuine, try counting it again.
 - Clean the UV, MG, and IR sensors.
 - Ensure the currency is compatible with the detection settings.
- **'Double Note' Error:**
 - This indicates two bills passed through as one. Ensure bills are not stuck together.
 - Clean the rollers to improve bill separation.

If issues persist after attempting these troubleshooting steps, please contact Nadex customer support.

8. SPECIFICATIONS

Feature	Specification
Model Number	NCC1-1141
Counting Speed	1000 notes/min
Detection Methods	UV (Ultraviolet), MG (Magnetic), IR (Infrared)
Display Type	Color Coded Dual TFT Display
Compatible Note Thickness	0.075 - 0.15 mm

Feature	Specification
Compatible Note Size	50 x 100 mm - 90 x 190 mm
Item Weight	13.97 pounds
Package Dimensions	14.5 x 11.5 x 10 inches
Power Supply	110V 60Hz (Power Consumption: <80W)

9. WARRANTY AND SUPPORT

Nadex is committed to providing reliable products and customer satisfaction. For support or warranty inquiries, please refer to the contact information provided with your purchase or visit the official Nadex website.

Protection Plans:

Extended protection plans may be available for your Nadex V1800 Money Counter, offering additional coverage beyond the standard warranty. These plans typically include:

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly renewal option)

For details on coverage, terms, and pricing, please consult the specific plan documentation or contact your retailer.