

## MUNBYN IMC27

# MUNBYN IMC27 Money Counter

## INSTRUCTION MANUAL

### 1. Introduction

This manual provides detailed instructions for the safe and efficient operation of your MUNBYN IMC27 Money Counter. The IMC27 is designed for counting single currency denominations, calculating total values, and detecting counterfeit bills using advanced UV, MG, IR, and MT technologies. It supports USD and EUR currencies and features ADD and BATCH modes for various counting needs.

### 2. Safety Information

- Ensure the power supply matches the specifications (220V) indicated on the device.
- Do not operate the machine with wet hands or in damp environments.
- Keep the machine away from direct sunlight, high temperatures, and strong magnetic fields.
- Unplug the power cord before cleaning or performing any maintenance.
- Do not attempt to disassemble or repair the machine yourself. Contact qualified service personnel.
- Keep children away from the machine during operation.

### 3. Package Contents

Verify that all items are present in the package:

- MUNBYN IMC27 Money Counter
- External Display
- Power Cable
- Cleaning Brush
- Spare Fuse
- User Manual (this document)

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## 4. Product Overview

Familiarize yourself with the main components of the MUNBYN IMC27 Money Counter.



**Figure 4.1:** Front view of the MUNBYN IMC27 Money Counter. This image displays the bill hopper at the top, the stacker at the bottom, and the control panel with various buttons and the main display screen.



**Figure 4.2:** Rear view of the MUNBYN IMC27 Money Counter. This image highlights the power input port and the connection port for the external display.

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## 5. Setup

1. **Unpacking:** Carefully remove the money counter and all accessories from the packaging. Retain the packaging for future storage or transport.
2. **Placement:** Place the machine on a stable, flat, and dry surface. Ensure there is adequate space around the machine for proper ventilation and operation.
3. **Power Connection:** Connect the provided power cable to the power input port on the rear of the machine. Plug the other end into a suitable 220V power outlet.
4. **External Display Connection:** If desired, connect the external display cable to the designated port on the rear of the machine. The external display will mirror the main display's count.
5. **Initial Power On:** Press the power switch, usually located on the side or rear of the machine, to turn on the money counter. The machine will perform a self-test.

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## 6. Operating Instructions

**Important Note: The MUNBYN IMC27 does not support counting mixed denominations simultaneously. Bills must be sorted by denomination before counting for value calculation.**

### 6.1. Basic Counting

1. Ensure the machine is powered on and in standby mode.
2. Carefully place a stack of sorted bills into the hopper. Ensure the bills are neatly aligned and not folded or crumpled.
3. The machine will automatically start counting. The count will be displayed on the main screen and the external display (if connected).
4. Once counting is complete, remove the counted bills from the stacker.

### 6.2. Value Counting (Single Denomination)

To calculate the total value of a stack of bills:

1. Press the "VALUE" button (or equivalent) on the control panel.

2. Select the denomination of the bills you are about to count (e.g., 10 EUR, 20 USD) using the denomination selection buttons.
3. Place the sorted bills of that specific denomination into the hopper.
4. The machine will count the bills and display the total value.

### 6.3. ADD Mode (Summation)

The ADD mode allows you to accumulate the count of multiple batches. Each new batch counted will be added to the previous total.

1. Press the "ADD" button to activate ADD mode. An indicator light or icon will confirm the mode is active.
2. Count your first batch of bills.
3. Place the next batch into the hopper. The new count will be added to the previous total.
4. To exit ADD mode, press the "ADD" button again.

### 6.4. BATCH Mode (Preset Quantity)

BATCH mode allows you to set a desired number of bills per batch. The machine will stop counting once the preset quantity is reached.

1. Press the "BATCH" button.
2. Use the numeric keypad or increment/decrement buttons to set the desired batch quantity (e.g., 100 bills).
3. Place the bills into the hopper. The machine will count until the preset batch quantity is reached, then pause.
4. Remove the batch from the stacker and press "START" to continue counting the remaining bills into the next batch.
5. To exit BATCH mode, press the "BATCH" button again.

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## 7. Counterfeit Detection Features

The IMC27 employs multiple detection methods to identify counterfeit currency:

- **UV (Ultraviolet) Detection:** Checks for UV security features embedded in genuine banknotes.
- **MG (Magnetic) Detection:** Scans for magnetic ink patterns present on authentic currency.
- **IR (Infrared) Detection:** Verifies infrared security marks and patterns.
- **MT (Magnetic Thread) Detection:** Detects the magnetic security thread found in many banknotes.

If a suspicious bill is detected, the machine will typically stop counting, emit an audible alert, and display an error code or message indicating the type of detection triggered. Remove the suspicious bill and press "START" to resume counting.

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## 8. Maintenance

### 8.1. Cleaning

Regular cleaning ensures optimal performance and extends the lifespan of your money counter.

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 residue from the bill pathways, sensors, and rollers. Pay special attention to the hopper and stacker areas.
3. **Sensor Cleaning:** Carefully clean the UV, MG, IR, and MT sensors with a soft, dry cloth or cotton swab. Avoid using abrasive materials or liquids.
4. **Exterior Cleaning:** Wipe the exterior of the machine with a soft, slightly damp cloth. Do not allow water to enter the machine.



**Figure 8.1:** The cleaning brush is essential for maintaining the internal components of the money counter, ensuring accurate and consistent operation.

## 8.2. Fuse Replacement

If the machine fails to power on, the fuse may need replacement.

1. **Power Off and Unplug:** Ensure the machine is completely powered off and unplugged from the power outlet.
2. **Locate Fuse Holder:** The fuse holder is typically located near the power input port on the rear of the machine.
3. **Remove Old Fuse:** Use a small screwdriver to gently pry open or twist the fuse holder cap. Remove the old fuse.
4. **Insert New Fuse:** Insert the provided spare fuse into the holder and secure the cap.
5. **Test:** Plug in the machine and power it on to check if the issue is resolved.

## 8.3. Storage

When not in use for extended periods, store the money counter in a cool, dry place, away from dust and direct sunlight. It is recommended to use the original packaging for storage.

# 9. Troubleshooting

Problem	Possible Cause	Solution
Machine does not power on	Power cable not connected; Power outlet faulty; Blown fuse	Check power cable connection; Try a different outlet; Replace fuse (refer to Section 8.2)
Inaccurate count	Bills not aligned; Sensors dirty; Worn rollers	Align bills properly; Clean sensors and bill pathways (refer to Section 8.1); Contact support for roller replacement
Bills jam frequently	Bills crumpled/damaged; Hopper overloaded; Dirty rollers	Use flat, undamaged bills; Do not overload hopper; Clean rollers and pathways
Counterfeit detection error	Suspicious bill detected; Sensors dirty; Bill quality issue	Remove the flagged bill and inspect it; Clean detection sensors; Ensure bills are not excessively worn or damaged

Problem	Possible Cause	Solution
External display not working	Cable not connected properly; Faulty display	Check external display cable connection; Contact support if issue persists

## 10. Specifications

- **Model Number:** BC008-GYEUA
- **Product Name:** MUNBYN IMC27 Money Counter
- **Dimensions (L x W x H):** 30 cm x 30.5 cm x 19.5 cm
- **Counting Speed:** Up to 1300 bills/minute
- **Hopper Capacity:** 200 bills
- **Stacker Capacity:** 200 bills
- **Detection Methods:** UV (Ultraviolet), MG (Magnetic), IR (Infrared), MT (Magnetic Thread)
- **Supported Currencies:** USD, EUR (single denomination counting)
- **Modes:** Count, Value, ADD, BATCH
- **Noise Level:** < 60 dB
- **Power Supply:** 220V

## 11. Warranty and Support

The MUNBYN IMC27 Money Counter comes with a **2-year warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting, or warranty inquiries, please contact MUNBYN customer support. Our technical support team aims to respond within 24 hours.

**Contact Information:** Please refer to the contact details provided on the MUNBYN official website or your product packaging.