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Accubanker USA LED430

AccuBANKER LED430 Counterfeit Detector User Manual

Model: LED430



INTRODUCTION

This manual provides comprehensive instructions for the safe and efficient operation of your AccuBANKER LED430 Counterfeit Detector. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its lifespan. Keep this manual for future reference.

PRODUCT OVERVIEW AND FEATURES

The AccuBANKER LED430 is a commercial-grade counterfeit detector designed to verify the authenticity of banknotes, credit cards, IDs, passports, and other important documents. It incorporates multiple detection technologies to provide reliable security against counterfeiting.

Key Features:

- **Six (6) Counterfeit Detection Systems:** Utilizes Ultraviolet (UV), Magnetic Ink (MG), Magnetic Thread (MT), Watermark (WM), Infrared (IR), and Size Verification (DD) for comprehensive security.
- **Powerful LED Lights:** Equipped with advanced, long-lasting LED technology for bright UV and white light sources, ensuring clear detection.
- **Versatile Document Verification:** Capable of verifying security features on various documents including banknotes from multiple countries (e.g., USD, Euro, GBP, Mexican Pesos, Canadian Dollars), credit cards, IDs, and passports.
- **Compact and Portable Design:** Features a sleek design that conserves counter space, making it suitable for various business environments.
- **Integrated Magnifier:** For detailed micro-printing verification.
- **Ruler:** Built-in ruler to verify proper document dimensions.



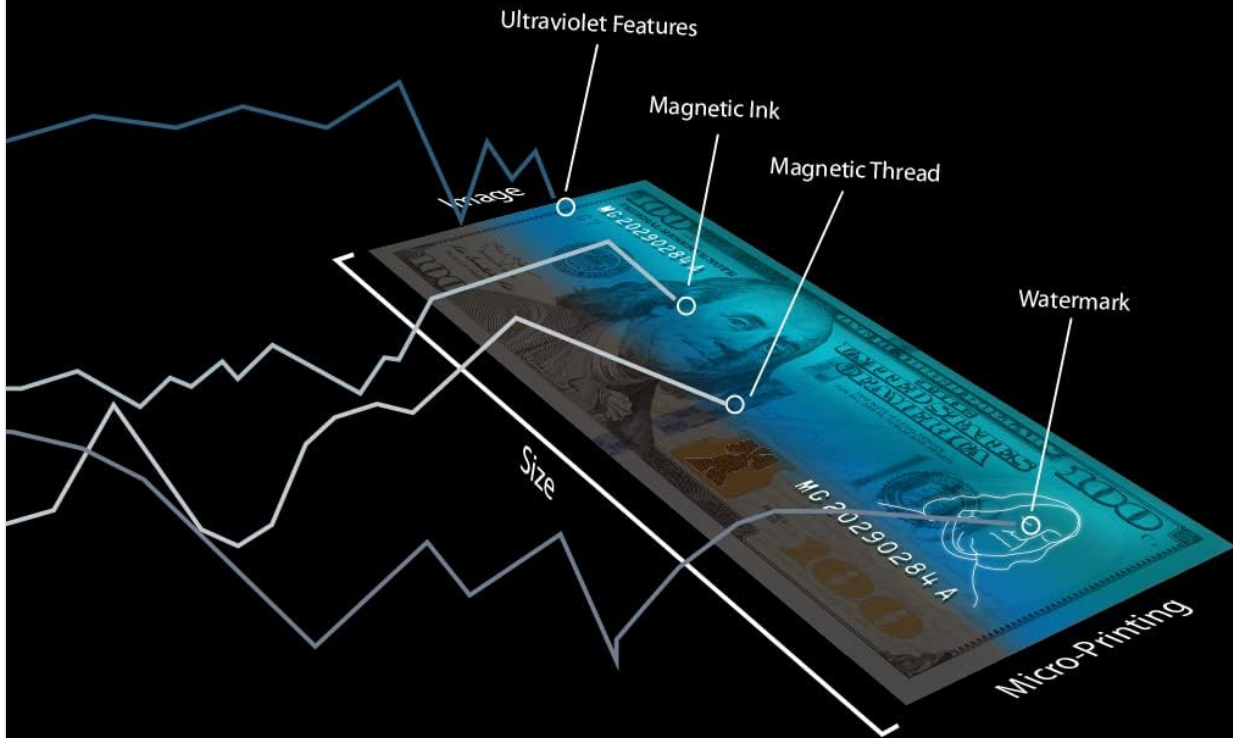
Figure 1: AccuBANKER LED430 Counterfeit Detector, front view with a US \$100 bill under UV light.



Figure 2: AccuBANKER LED430 verifying a Mexican Peso banknote.

6 Counterfeit Detection Tools

6 counterfeit detection tools:
Ultraviolet (UV), Magnetic Ink (MG),
Magnetic Thread (MT), Watermark (WM),
Micro-Printing (MP) and Size (DD)



Manual detectors will require you to look for the security features yourself using the technology the detector supplies

Figure 3: Illustration of the six counterfeit detection tools: Ultraviolet, Magnetic Ink, Magnetic Thread, Watermark, Micro-Printing, and Size.

SETUP

1. **Unpacking:** Carefully remove the LED430 unit from its packaging. Ensure all components, including the power adapter, are present.
2. **Placement:** Place the detector on a stable, flat surface in a well-lit area. Ensure adequate space around the unit for operation and ventilation.
3. **Power Connection:** Connect the provided AC/DC adapter to the power input port on the back of the LED430 unit. Plug the adapter into a standard electrical outlet (100-240 VAC, 50/60 Hz).
4. **Power On:** The device is designed for immediate use upon power connection. There is no separate power button; the unit will be in standby mode or ready for operation once plugged in.

OPERATING INSTRUCTIONS

The LED430 utilizes a manual detection process, requiring the user to observe the security features under the

provided light sources and tools.

1. Ultraviolet (UV) Detection:

- Insert the banknote or document into the detection slot.
- Observe the document under the UV light. Genuine banknotes and documents will display specific fluorescent security threads, fibers, or images that glow under UV light. Counterfeit items may show no fluorescence, or the entire paper may glow, indicating a lack of security features.

2. Watermark (WM) Detection:

- Place the banknote or document over the white light source area (often labeled "WM").
- Look for the watermark, which is a faint image or pattern embedded in the paper. It should be visible when held up to light. Counterfeit notes often lack a clear, detailed watermark or have a printed imitation.

3. Magnetic Ink (MG) and Magnetic Thread (MT) Detection:

- Slide the banknote over the magnetic sensor area.
- The device will typically provide an audible or visual alert if magnetic ink or a magnetic security thread is detected.
- Genuine currency contains magnetic ink in specific areas (e.g., serial numbers, certain denominations) and a magnetic security thread.

4. Infrared (IR) Detection:

- While not explicitly a user-activated feature on all models, the LED430 incorporates IR detection.
- Certain inks on genuine banknotes are visible or invisible under infrared light. This feature is typically integrated into the overall detection process.

5. Size Verification (DD) and Micro-Printing (MP):

- Use the integrated ruler on the detection surface to verify the dimensions of the banknote. Genuine currency has precise, consistent dimensions.
- Utilize the built-in magnifier to inspect micro-printing, which appears as a solid line to the naked eye but reveals tiny text under magnification. Counterfeit notes often have blurred or illegible micro-printing.

Powerful LEDs to catch counterfeits that normally go undetected

Our Long-lasting LED UV Light is used to scan Bills, IDs, Credit Cards, Passports, Driver's Licenses, Social Security Cards and other important documents for authenticity.



Advanced technological, UV & white LED lights, last up to 10,000 hours.



Cloned ID's and Credit Cards DO NOT display UV security features.

Ultraviolet light verifies:

- Security thread
- Fluorescent ink
- Microfibers



Figure 4: The LED430's powerful UV LEDs can verify security features on various documents, including driver's licenses, credit cards, and passports.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your AccuBANKER LED430.

- **Cleaning:** Periodically clean the detection surface and light sources with a soft, dry, lint-free cloth. Do not use abrasive cleaners or solvents, as these can damage the unit.
- **Dust Removal:** Use a can of compressed air to gently remove dust from crevices and around the light sources.
- **Power Off:** Always disconnect the power adapter before performing any cleaning or maintenance.

TROUBLESHOOTING

If you encounter issues with your LED430, refer to the following common solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not power on.	Power adapter not connected or faulty outlet.	Ensure the power adapter is securely connected to the unit and a working electrical outlet. Test the outlet with another device.
UV or WM lights are dim or not working.	Dust accumulation or LED lifespan reached.	Clean the light sources. While LEDs have a long lifespan (up to 10,000 hours), if they fail prematurely, contact customer support.
Magnetic detection is inconsistent.	Magnetic sensor dirty or document not properly swiped.	Clean the magnetic sensor area. Ensure the document is swiped smoothly and directly over the sensor.
Inaccurate detection results.	Improper use or damaged unit.	Review operating instructions. If issues persist, contact AccuBANKER support.

For issues not listed here, please contact AccuBANKER customer support.

SPECIFICATIONS

Feature	Detail
Model Number	LED430
Detection Methods	UV, Magnetic Ink, Magnetic Thread, Watermark, Infrared, Size Verification
Power Source (Input)	100-240 VAC, 50/60 Hz
Power Consumption	4 Watts Max.
UV LED Light Lifetime	Up to 10,000 hours
Accepted Currency	Universal (manual verification)
Accepted Document Types	Banknotes, IDs, Passports, Credit Cards, etc.
Certifications	UL, NOM, CE
Product Weight	1.24 pounds (0.56 kg)
Dimensions (L x W x H)	8.5 x 5.7 x 4.4 inches (21.5 x 14.5 x 11.2 cm)

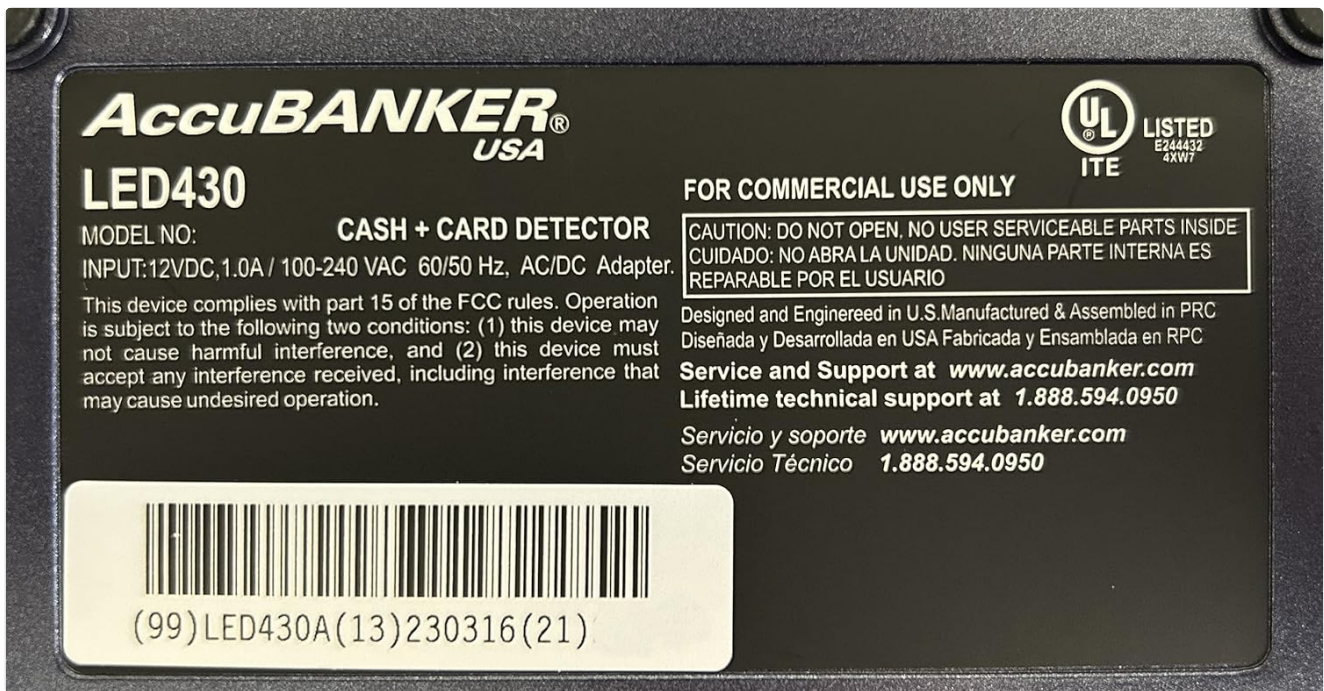


Figure 5: Detailed product measurements and a summary of specifications for the AccuBANKER LED430.

WARRANTY AND SUPPORT

Your AccuBANKER LED430 Counterfeit Detector comes with a **3-Year Warranty**, ensuring peace of mind regarding its quality and performance.

For service, technical support, or any inquiries, please contact AccuBANKER:

- **Website:** www.accubanker.com
- **Lifetime Technical Support Phone:** 1-888-594-0950

Please have your model number (LED430) and any relevant purchase information ready when contacting support.