



User Guide

LED430

Counterfeit Bill/Document
Validator with Magnifier



**Thank you for trusting *AccuBANKER*
with your cash handling needs.**

**In order to optimize the performance of your
equipment, we encourage you to thoroughly read
this user guide prior to use.**

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Important Safety Instructions

- This device has been designed to operate with this specific Power Supply (AC / DC Adapter which is included. Failing to do so may cause malfunction and may void the warranty.
- Avoid looking directly at the super-bright Ultraviolet LEDs hidden inside the unit.
- Avoid operating the unit close to a strong natural/artificial light source. The effect of the UV light will be overpowered, and it will affect the UV feature's fluorescence.
- Unplug this product from the power outlet and refer servicing to qualified service personnel under the following conditions:
 1. When the power supply cord or power adapter is damaged.
 2. If liquid has been spilled into the unit.
 3. If the unit does not function properly by following the normal operating procedures.
 4. If the product has been dropped or the case has been damaged.
 5. If the product shows a noticeable change in performance.

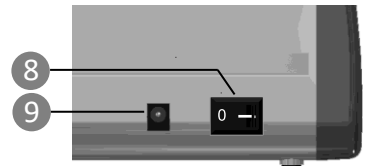
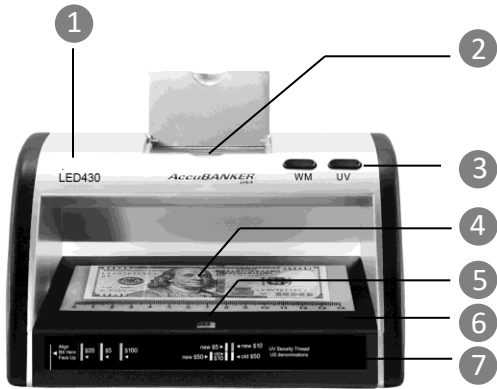
1. Before Starting

Introduction

Accurate and easy to use. The LED420 / LED430 detectors allow the user to inspect either money, credit cards, IDs, or any other security document to help in verifying and confirming its authenticity.

This User Guide will allow you to become familiar with all the details related to the unit's operation. We recommend reading this guide thoroughly before operating the unit and keeping it in a safe place for future references.

2. Parts Description



- 1- Power On / Off indicator
- 2- Magnifier window (*only for LED430*)
- 3- UV / WM Selector Buttons (Ultraviolet / Watermark)
- 4- Verification Window / Watermark Screen.
- 5- Magnetic Head (*only for LED430*)
- 6- Function Activator Sensor
- 7- Security Thread Identification Label
- 8- Power Switch
- 9- Power Adapter Jack
- 10- Power Adapter (12VDC)

3. Operation Description

To use the unit appropriately and efficiently, we recommend the user to become familiar with the security features of the bills or documents they want to analyze. Additionally, the user should compare any dubious banknote against a genuine one, to better determine its authenticity.

This is a DC-powered device and includes a power adapter for this purpose. Proceed to connect the power adapter to the power outlet on the wall and the DC plug into the device power adapter jack, then proceed to turn the device ON using the power switch located at the back of the device.

3.1 Ultraviolet Verification Operation

Place the bill or document to be analyzed in the WM verification window. The UV LED light should be activated with the bill or document while placing it in the inspection area. In case the bill or document does not activate the UV light, touch the UV control button to turn the UV LEDs ON manually.

The detector has an internal timer that keeps the UV LEDs on for about 50 sec. If more time is needed to finish the verification, you can press the UV button. The UV security features embedded in U.S. dollar bills, foreign currencies, credit cards, IDs, and other special documents will fluoresce under the UV light. This will allow the user to visualize them and confirm their authenticity.

NOTE: The detector includes a “Security Thread Identification” label. This shows the operator the COLOR and POSITION of the security thread embedded on the U.S. dollar bill for every specific denomination. Using it as a reference will help the operator to validate the bill since the COLOR and POSITION must match.



3. Operation Description (continued)

3.2 Watermark Verification Operation

Press the WM function button to turn the WM screen ON. The entire inspection area will be illuminated to make the bill's analysis procedure easier and faster. Proceed to verify the watermark features embedded in the bill, or document and confirm their authenticity. The absence, displacement, or low quality of this feature will indicate the bill is not genuine.

The internal timer will keep the WM ON for about 50 sec. If more time is needed to finish the verification, you can press the WM button.

3.3 Magnetic Verification Operation (*only for LED430 model*)

Once the detector is turned ON, the magnetic circuitry is activated and will remain on until the unit is turned off.

Proceed to rub the area of the bill that must contain magnetic ink against the magnetic head. If the verification window flashes GREEN and BEEPS at the same time, it confirms the Magnetic ink feature is present on the area just verified. In case none of these signs are present, it means there is not MG ink in the scanned area.

3.4 Micro-Printing Magnifier (*only for LED430 model*)

Place the bill or document under the magnifier window. Proceed to inspect visually the security features such as micro-printing elements and fine lines, embedded in the bill or document. Any low-quality printing is a suspicious sign that must be considered during the final decision.

3. Operation Description (continued)

3.5 Size Analysis

The detector has a millimetric scale printed on the verification window. This allows the user to verify any specific bill or document size, and validate the right position of any security feature inside the bill or document. Any displacement encountered on any security feature could be a suspicious sign, and other features must be verified to confirm the bill or document authenticity.

NOTE: Avoid operating the unit close to a strong natural/artificial light source. The effect of the UV and Watermark light will be overpowered, and it will affect the good visualization and analysis of the security features embedded on the bill or document.

4. UV Comparison Reference

The verification window has printed “AccuBANKER” that glows under the UV light to be used as a comparison reference for the user during the analysis of bills, credit cards, or any other security document.

5. Cleaning and Maintenance



- Keep the activator sensor and the verification window clean of dust and dirt. Clean sensors using a dry cloth.
- Keep the MG head and Magnifier clean with a dry cloth (*for the LED430 model*).

NOTE: Be careful not to touch or hit the UV LEDs located inside the upper section.

6. Specifications

Power Source: External Power Adapter V_{in} : 100 - 240 VAC / 50-60Hz

V_{out} : 12VDC / 1.0 A

Power Consumption: 4 W (Max.)

UV Light Source: Super-Bright UV LEDs

WM Light Source: Super-Bright White LEDs array

Dimensions: 8.55" x 5.67" x 4.45" (21.72 x 14.40 x 11.30 cm)

Net Weight: 1.24 lbs. (0.56 Kg)

Ambient Temperature: 32 - 104 °F (0 - 40 °C)



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