

**AccuBANKER<sup>®</sup>**  
Cash Handling Security **USA**



**AB**

# User Guide

Cash + Card Detector  
**LED430 / LED420**

Thank you for purchasing this **AccuBANKER** product.  
We recommend reading all information in the user guide to  
become familiar with this product.

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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 it's warranty.
- Avoid looking directly the super-bright Ultraviolet LEDs hidden inside the unit.
- Avoid operating the unit close to 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 wall 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 operate normally by following the operating instructions.
  4. If the the product has been dropped or the case has been damaged.
  5. If the product shows a noticeable change in performance.

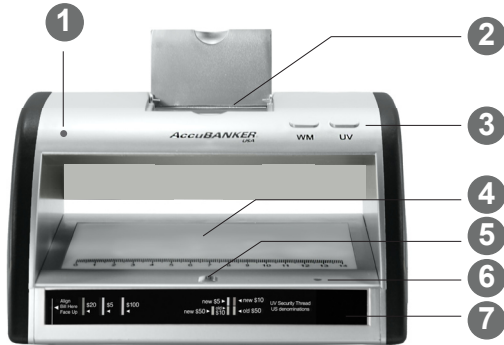
# 1. Before Starting

## Introduction

Accurate and convenient to use, the LED420 / LED430 detectors allow the user to inspect either money, Credit Cards, ID's or any security document and verify and confirm its authenticity.

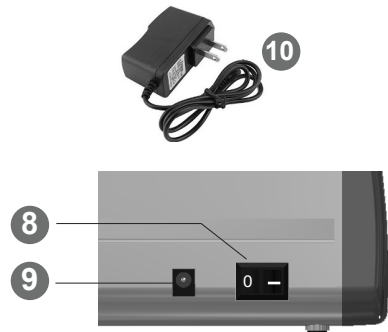
This User Guide will allow you to get familiar with all the details related with the unit's operation. We recommend reading this guide thoroughly before operating the unit and keep it for future references.

## 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**)

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- 6- Function Activator Sensor
- 7- Security Thread Identification  
Label
- 8- Power Switch
- 9- Power Adapter Jack
- 10- Power Adapter (12VDC)

## 3. Operation Description

We recommend the users to familiarize themselves with the security features of the bills or documents they want to analyze in order to use the unit appropriately and efficiently. Additionally, we recommend the users to compare any dubious banknote against a good one, to better determine if it is authentic or not.

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 device's back.

### 3.1 Ultraviolet Verification Operation

Place the bill or document to analyze on the WM verification window trying to activate the activator sensor with the own bill or document meanwhile it is being positioned on the inspection area. In case the activator sensor doesn't get active, you can tap 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. before turning them off. You can tap the UV button again in case you require more time to finish the verification.

### 3. Operation Description

#### Ultraviolet Verification Operation (cont.)

The UV security features embedded in U.S. dollar bills, foreign currencies, Credit Cards, ID's and other special documents will fluoresce under the UV light and the user will be able to visualize them and confirm their authenticity.

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



## 3. Operation Description

### 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 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., in case you require more time, just press the WM button again.

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

Once the detector is turned ON, the magnetic circuitry is already active and remains so while the unit is ON.

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



## 3. Operation Description

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

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

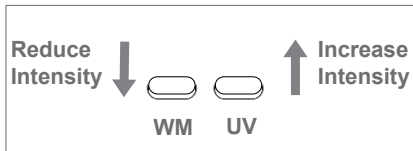
### 3.5 Size Analysis

The detector has a millimetric scale printed on the verification window that allows the user to verify any specific bill or document size as well as to 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 strong natural/artificial light source. The effect of the UV light as well as the 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 Light Intensity Adjustment

The user has the option to customize the UV light intensity of the detector based on his specific needs. Press the UV button to turn the UV ON, then keep pressed down the UV or WM button to increase or reduce the UV leds light intensity. The new light intensity will be used from now on until the user decide to change it again using this same procedure.



## 5. Cleaning and Maintenance



UV  
LEDs

- Keep the activator sensor and the verification window clean of dust or any other type of dirtiness, use a dry cloth for this.
- Keep the MG head and Magnifier clean, use a dry cloth for this (**for LED430 model**).

**NOTE:** Be careful with the UV LEDs located inside on the upper section, do not hit them by mistake.

## 5. Specifications

- **Power Source:** External Power Adapter Vin: 100 - 240 VAC / 50-60Hz 0.6A  
Vout: 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:** 217mm x 144mm x 113mm (L x W x H)
- **Net Weight:** 0.56 Kg
- **Ambient Temperature:** 32 - 104 °F (0 - 40 °C)



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**All support provided from our North  
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