AccuBANKER®

LED425 AccuBANKER   WM   UV

Align Bill Here Face Up $20 $5 $100   new $5▸ new $50▸ $10

100 FEDERAL RESERVE NOTE ONE HUNDRED DOLLARS UNITED STATES OF AMERICA 100

AA 01234567 B

UV Security Thread

THIS NOTE IS LEGAL TENDER FOR ALL DEBTS, PUBLIC AND PRIVATE

100   AA 01234   100

Counterfeit Bill/Document Validator with Guide

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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Table of Contents

Important Safety Instructions

- This device has been designed to operate with this specific Power Supply (AC / DC Adaptor) which is included in your purchase. Failing to use the designated adaptor 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 adaptor 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. Introduction

The LED425 Validator allows the user to inspect money, credit cards, IDs, or any other security documents to help in verifying and confirming their 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 reference.

2. Box Contents

1

2

3

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5
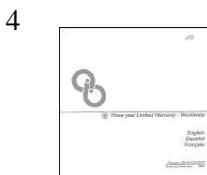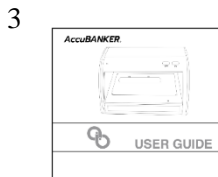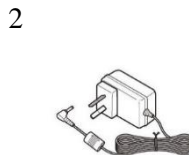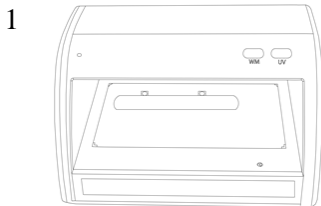
1. LED425 Validator
2. Power Adaptor
3. User Guide

4. Warranty Booklet
5. Template Guide

3. Parts Description

1. Power On / Off Indicator
2. UV / WM Selector Buttons (Ultraviolet / Watermark)
3. Function Activator Sensor for Lower UV Lamps
4. Lower UV LED Lamps
5. Function Activator Sensor for Upper UV Lamps
6. Security Thread Identification Label
7. Upper UV LED Lamps
8. Verification Window / Watermark Screen
9. Power Switch
10. Connector for Power Adaptor
11. Power Adaptor (12VDC 1A)
12. Template Guide for Verification of the Security Thread (USD only)
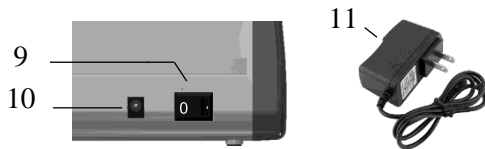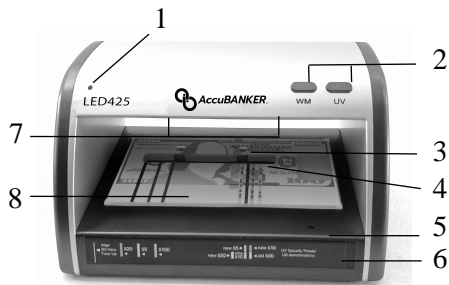
4. Installation

When choosing a position/location for the LED425 validator, avoid choosing a location close to a strong natural/artificial light source as this can overpower the UV feature's fluorescence.
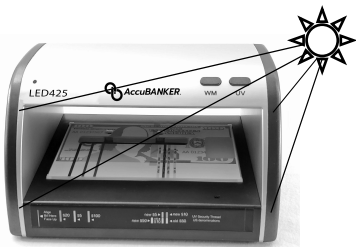
Connect the power adaptor to the power outlet on the wall and the DC plug into the device power adaptor jack on the LED425.

Installing the USD Template Guide (optional)
Remove the adhesive tape and fit the template between the four guides located inside the verification window as demonstrated above.

5. Operation Description

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

5.1 Ultraviolet Verification Operation

This detector has three modes of ultraviolet verification lamps.
1. Detection of security elements in general (with the upper UV lamps on)
2. Detection of the position and color of the USD Security Thread (with the lower UV lamps on)
3. Combined detection (with both upper and lower UV lamps on)

5. Operation Description (continued)

5.1 Ultraviolet Verification Operation (continued)

Place the bill or document to be analyzed in the Verification Window. The UV LED light should be activated with the bill or document as it is placed in the inspection area. If the bill or document does not activate the UV light, press the UV control button to turn the UV light on manually. Continue pressing the UV control button to switch between UV light modes. The detector has an internal timer that keeps the UV lights on. If more time is needed to finish the verification, you can press the UV button.

The UV security features embedded in U.S. bills, foreign currencies, credit cards, IDs, and other special documents will be fluorescent under the UV light. This will allow the user to visualize them and confirm their authenticity.

5. Operation Description (continued)

5.1 Ultraviolet Verification Operation (continued)

NOTE: The detector includes a "Security Thread Identification" template guide and label. These tools show the operator the COLOR and POSITION of the security thread embedded on U.S. bills for every specific denomination.

Template Guide

5. Operation Description (continued)

5.1 Ultraviolet Verification Operation (continued)

Security Thread Identification Label

Using these as a reference will help the operator validate the bill since the COLOR and POSITION must match.

5. Operation Description (continued)

5.2 Watermark Verification Operation

Place the bill or document to be analyzed in the Verification Window. If you are not verifying the watermark on US dollar bills you will need to remove the Template Guide for a larger verification area.

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 turn off the display after a few seconds. If more time is needed to finish the verification, you can press the WM button.

6. Cleaning and Maintenance

⚠ **CAUTION:** Before performing any cleaning process, turn off the equipment and unplug it. Please note that problems or defects caused by lack of maintenance are not covered under the warranty.

a) Internal cleaning of the unit
It is necessary to clean the interior of the equipment once a month or more frequently depending on use. Turn off and unplug the detector before proceeding with this operation.
b) Use compressed air to lightly blow out dust from the interior.
c) Use a damp cloth to clean the surface.

Additional Recommendations
The equipment needs to be placed in a clean, dust-free environment.

7. Specifications

Ambient Temperature:		32° - 104°F
		0° - 40°C
Humidity:		25% - 80%
UV Light Source:		Super-Bright UV LEDs
WM Light Source:		Super-Bright White LEDs array
Power Source:	*Vin:*	100 - 240 VAC
		60 - 50 Hz 0.6A
	Vout:	12VDC / 1.0 A
Power Consumption:		< 4W
Accepted Document Type:		IDs, Passports, Credit Cards, etc.
Verification Window Dimensions:		6.69 x 5.11 in
(L x W)		17 x 13 cm
Dimensions:		8.55 x 5.67 x 4.45 in
(L x W x H)		21.72 x 14.40 x 11.30 cm
Weight:		1.24 lb
		0.56 kg

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