

**AccuBANKER<sup>®</sup>**  
because your money counts **USA**

**AB**

# ***User Guide***

***Authenticator***  
**D550**

## **Warning**

Before turning the power on, please make sure there are no objects obstructing the operation of the machine.

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*because your money counts* **USA**

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## Before Starting

Congratulations, you have in your hands a counterfeit bill detector equipped with state-of-the-art detection technology. The automatic loading system, combined with an integrated audible alarm and LED warning light will make bill verification the simplest of tasks.

# Important Safety Instructions

*When using this detector, basic safety precautions should always be followed to reduce the risk of fire, electric shock or injury to persons, including the following:*

 <b>Warning</b>	
	Do not use this product in areas where it may be exposed to water or other liquids.
	Unplug this product from the wall outlet before cleaning. Do not use liquid or aerosol cleaners. Use a damp cloth for cleaning.
	To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect re-assembly can cause electric shock when the appliance is subsequently used.
	Only use the cable provided with the unit. The use of other cables may result in electric shock, fire or cause serious damage to the unit.
	Do not operate the unit in areas with high temperature or high humidity since it may prevent it from working correctly.

 <b>Caution</b>	
	When unplugging the power cord, do not pull it by the cord, but rather grip the plug to pull it out. Not following these instructions may result in electric shock, fire or damage to the unit.
	Do not use the unit if the power cord is damaged or if the plug socket contact is loose. Not following these instructions may result in electric shock, fire or other hazards.
	Do not place heavy objects over the cord and do not bend it excessively since it could get damaged. Not following these instructions may result in electric shock, fire or other hazards.
	When not using the unit for a long period of time, remove the power plug from the wall outlet.

## Other Safety Considerations

This manual has been compiled to provide complete and clear instructions for operating the machine.

Before using the machine, read this manual thoroughly. Pay special attention to **Section 1.0 - 5.0**, in order to familiarize yourself with the function and operations of the machine.

- ⌘ Read and understand all of the safety instructions.
- ⌘ Follow all warnings and instructions marked on the unit.
- ⌘ This product should be operated only from the type of power source indicated in the user guide. If you are not sure of the type of power supply in your location, consult your dealer or local power company.
- ⌘ Never push objects of any kind into the unit through case slots, since they may touch dangerous voltage points or shortcut parts, resulting in a risk of fire or electric shock.
- ⌘ Do not use this product in areas where it may be exposed to water or other liquids.
- ⌘ Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- ⌘ Unplug this product from the wall outlet and refer to servicing

- by qualified service personnel under the following conditions:
- ❖ Do not operate the unit in areas with high temperature or high humidity since it may prevent it from working correctly.
  - ❖ Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
    - When the power supply cord or plug is damaged or frayed.
    - If liquid has been spilled into the unit.
    - If the unit has been exposed to rain or water.
    - If the product has been dropped or the case has been damaged.
    - If the product shows a noticeable change in performance.
  - ❖ To reduce the risk of electric shock, do not disassemble this product. Take it to qualified service personnel when service or repair work is required. Opening or removing covers may expose you to dangerous voltages or other risks.
  - ❖ Incorrect re-assembly can cause electric shock when the unit is subsequently used.
  - ❖ Not following these safety instructions will expose you to severe/fatal risks which, since already disclosed, will be the sole responsibility of the user.

# Before Starting

## **Standard Features:**

IR (infrared) detection sensors

UV (ultraviolet) detection sensors

MG (magnetic) detection sensors

Audible alarm

Red LED warning light

Automatic banknote feeding

Multi-currency detection

Multi-language functions

Currency value and type recognition

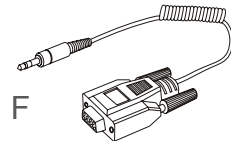
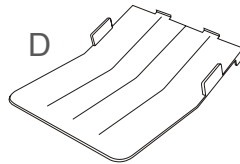
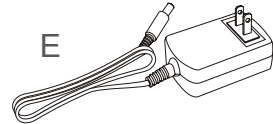
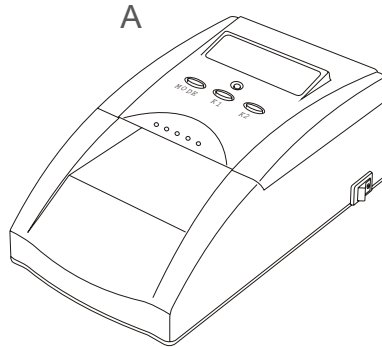
Total denomination/currency/amount count

Integrated rechargeable batteries

# Before Starting

We recommend the user to verify that the box contains all of the items listed here:

- A) D550 Unit
- B) User's Guide
- C) Warranty Card
- D) Stacking tray
- E) 110V-220V adaptor
- F) PC interface cable



# Set Up

Connect the adaptor to the unit and then the adaptor plug to a power outlet (works with its own batteries if these are charged). Proceed to turn the unit ON by pressing the **ON/OFF** switch located on the right side of the unit (see figure 1). The unit will conduct an 8 second self-test. Once this operation is completed, the screen will show the “READY” message, indicating it is ready to start detecting (see figure 2). Refer to Section 5.0 for any error codes that may come up during the self-test.

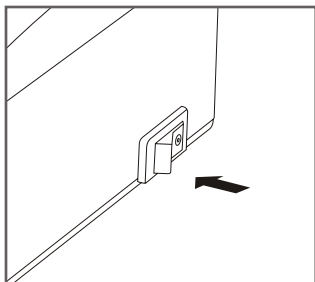


Figure 1

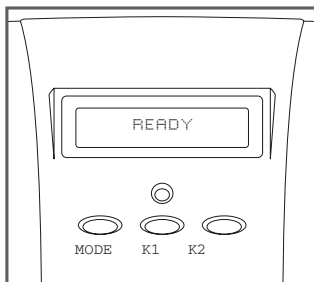


Figure 2

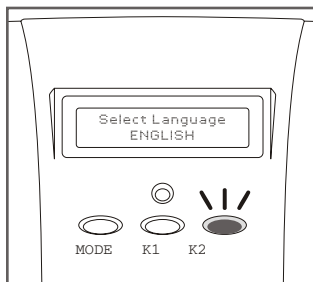


Figure 3

## *Language*

The unit comes preprogrammed to operate in 6 different languages: English, Italian, Spanish, French, German and Dutch.

To select the language you wish, follow these instructions (see figure 3):

- 1) Once the unit is ready, press the “MODE” button
- 2) On the screen, two options will be shown. By pressing the “K2” button repeatedly the 6 available options will cycle (figure 3)
- 3) Once the desired language is shown, press the “MODE” button to confirm your selection

## *Bill Ejection Setting*

The unit can detect bills with two different ejection settings:

- a) ejection thru the frontal slot or
- b) ejection thru the rear slot

To set the desired option, follow these steps:

- 1) Once the unit is ready, press the “MODE” button (see figure 4).
- 2) On the screen, two options will be shown. By pressing the “K1” button the 2 available options will cycle (see figure 5).
- 3) Once the desired selection is made, press the “MODE” button to confirm your selection. If the ejection setting is selected to eject bills thru the rear slot, the stacking tray should be attached to the unit as shown in figure 6.

## Bill Ejection Setting

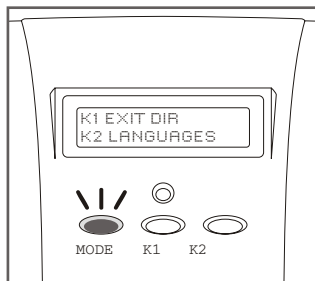


Figure 4

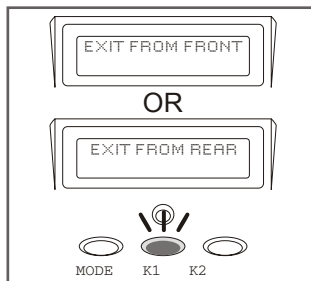


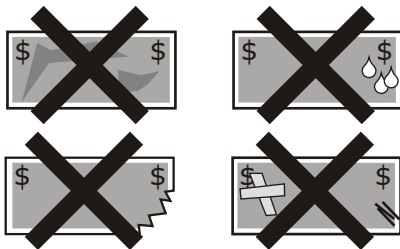
Figure 5



Figure 6

# Detection

Avoid inserting banknotes that are torn, too old or crumpled; avoid banknotes that have staples attached, or that have been covered totally or partially with adhesive media. Never insert wet or heavily stained bills.



# Detection

The D550 has the capability to detect US dollars, Canadian dollars and Euros with an optional fourth programmable currency capability. Insert the banknote to be analyzed following the bill insertion graphic shown here (figure 7). If the bill is recognized: the “GREEN” LED lights up, and the currency type (dollar, euro, etc.) denomination and total amount are shown on the screen (figure 8).

If the bill is not recognized: the unit emits a loud beeping sound, a “RED” LED lights up, the message “NOT RECOGNIZED” reads on the screen, and the bill is rejected through the front slot.

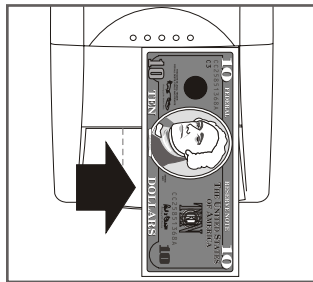


Figure 7

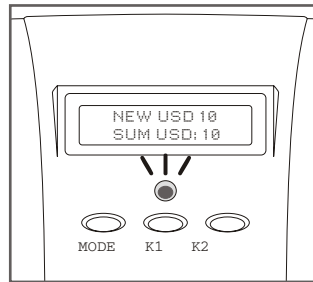


Figure 8

# Information

## Display/Delete Stored Information

The unit has an internal memory that stores information about the bills already analyzed. This information includes the type of currency, denomination and quantity of each currency and total count. The information can also be reset from the memory if the user wants to start a fresh detection session. To view or delete the information stored by the unit, follow these steps:

1) To view the information: Once the unit displays “READY”, press the “K2” button repeatedly to view all the information stored in the memory (figure 9). The last message will always read the totals analyzed by the unit (figure 10).

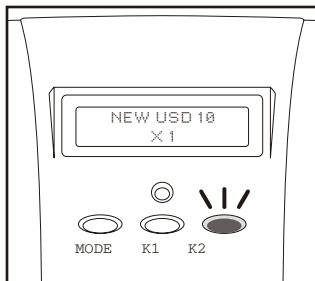


Figure 9

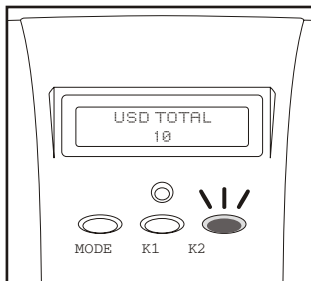


Figure10

# Information

2) To delete the information: Once the unit displays “READY”, press the “K2” button. Once the first set of information is displayed, press the “K1” button for two seconds (figure 11). The screen will show the message “INFO CLEARED”. Press the “MODE” button to return to detection status (figure 12).

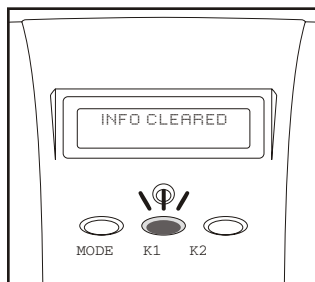


Figure 11

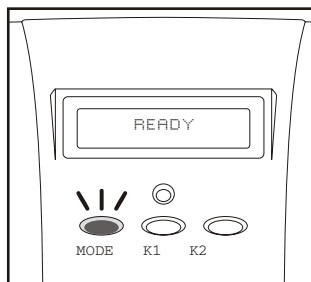


Figure 12

# Error and Detection Codes

Please contact AccuBANKER Support or your authorized service technician for assistance with self-test errors.

## Self-Test Error Codes

F00	27C512 RAM test error
F01	UP 8591 test error
F02	DOWN 8591 test error
F03	24C02 EEPROM test error
F04	Motor test error
F05	Key test error
F06	Length measurement test error
F12, F13	Spectrum sensor test error

## Counterfeit Detection Codes

F-C	Magnetic Error
F-I	Infrared Error
F-S	Image Error
F-P	Spectrum Error
F-F	Paper Error
F-L	Length Error



**NOTE: THE D550 IS A USEFUL INSTRUMENT TO VERIFY THE LEGITIMACY OF BILLS. HOWEVER, THE D550, LIKE ANY OTHER DETECTOR IN THE MARKET, CANNOT GUARANTEE THE LEGITIMACY OF ANY BILL ANALYZED BY IT DUE TO THE UNPREDICTABLE TECHNIQUES OR ADVANCES THAT COUNTERFEITERS MAY INTRODUCE.**

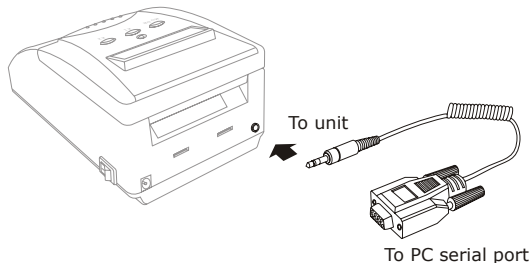
# Updates

## Detection Software Update

It is possible to update the unit with new detection information when new bills are released. Once this update is installed, the unit will be able to recognize the new currency for which the update was created.

Follow these instructions:

- 1) Download to your computer the AccuUPDATE D550 software/driver from our website ([www.accubanker.com](http://www.accubanker.com) “Support” section, under D550).
- 2) Once the software is installed, plug the serial cable to your computer and then to the unit. Once ready, you can buy and download currency updates on demand from our website ([www.accubanker.com](http://www.accubanker.com) “Support” section, D550, detection updates).



## Cleaning the sensors

To keep the unit operating at peak efficiency, clean the internal sensors. Follow these instructions (figure 13).

- 1) Open the top cover
- 2) Using a cotton swab slightly soak in alcohol, clean the sensors indicated in the diagram.

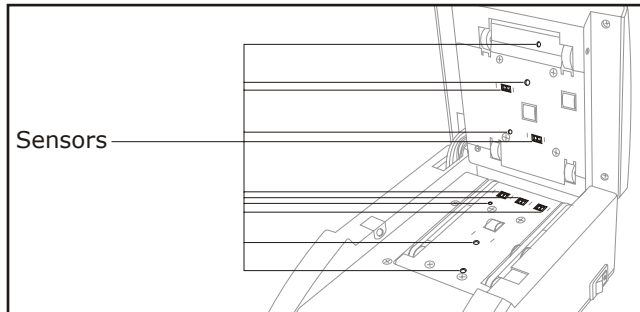


Figure 13

# Maintenance

## Replacing the Rechargeable Batteries

The unit comes with a rechargeable battery cell that can be replaced when permanently depleted. You can order a battery replacement from our website [www.accubanker.com](http://www.accubanker.com). To replace the battery cell, follow these instructions (figure 14 and 15).

- 1) Remove the battery cover
- 2) Unplug the battery cell
- 3) Plug the new battery cell
- 4) Screw back the battery cover

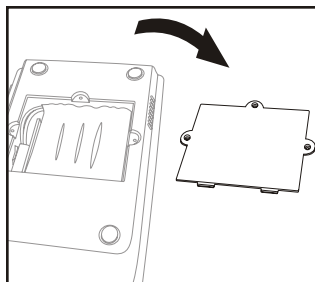


Figure 14

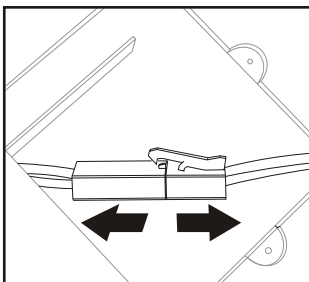


Figure 15

# Specifications

**Weight:** 2.0kg

**Dimensions:** 8<sup>1/4</sup> x 8<sup>1/4</sup> x 4<sup>1/2</sup> (210mm x 210mm x 11.5mm)

**Currency Accepted:** All denominations of US Dollar, Canadian Dollar and Euro

**Detection Devices:** Internal IR, UV and MG sensors

**Power Consumption:** 6 Watts

**Power Supply:** 110-240V RMS 50/60Hz adaptor or internal rechargeable batteries

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