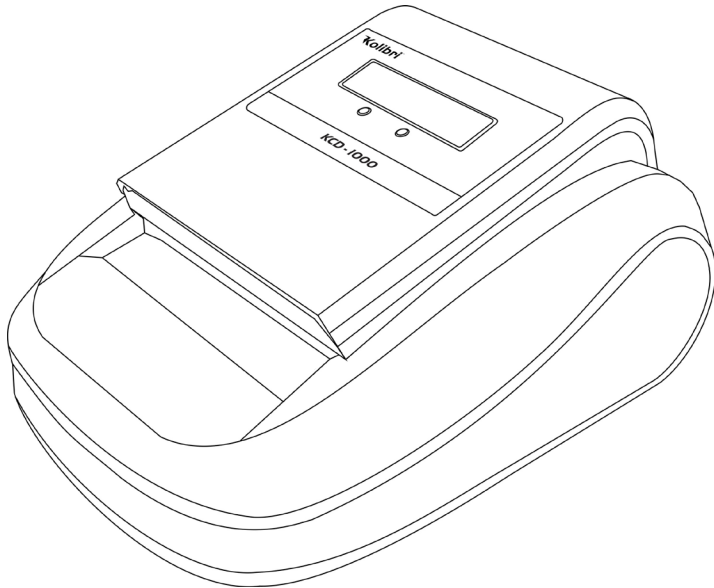


# Kolibri™

## KCD-1000



**USER MANUAL**  
**KCD-1000 4-Way Money Detector**

This manual contains important information on safety measures and operational features of the KCD-1000 4-way money detector. Please read it carefully before operating your machine and keep it for future reference.

While every effort has been made to include all features into this user manual, specifications stated may not reflect all the features of the later software versions.

If you have questions about your KCD-1000 and its operation, please contact technical support at [www.kolibriusa.com/contact/](http://www.kolibriusa.com/contact/).



**CHOKING HAZARD.  
SMALL PARTS.**  
Not for children under  
3 years old.



**WARNING: RISK OF  
ELECTRICAL SHOCK.** This  
equipment is to be serviced by  
trained personnel only.



**DO NOT DISPOSE  
IN TRASH.** Follow  
appropriate local electronics  
scrap procedures.



**WARNING: HAZARDOUS  
MOVING PARTS.** Do not  
place fingers, hair, clothes,  
lanyard... near moving parts.



**PROP 65 WARNING.** This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.  
<https://oehha.ca.gov/>

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# 1. INTRODUCTION

## 1.1 About the KCD-1000

Thank you for choosing the KCD-1000 4-way money detector.

The KCD-1000 is an automatic and powerful tool for identifying suspected counterfeit bills. With its advanced sensors, the KCD-1000 verifies UV signatures, magnetic marks and double notes with infrared.

## 1.2 Important Safety Notes

When using this product, basic safety precautions should always be followed, including the following:

- Do not use this product in areas where it may be exposed to water or any other liquids.
- Unplug this product from the wall outlet before cleaning. Use a damp cloth or air duster to clean the unit.
- To avoid the risk of electrical shock, do not disassemble this unit. Disassembling will expose you to dangerous voltages and other safety risks. Incorrect reassembly may cause electrical shock when the unit is subsequently used.
- Only use this product with the power adapter supplied with the unit. Plug the power cord into a properly grounded wall outlet. Failure to properly ground the unit can result in severe injury or fire.
- Make sure the device is placed on a flat surface. Do not operate the unit in areas with high temperature, humidity or smoke as these conditions may impede performance.
- This product is designed for indoor use in a well-ventilated environment. Keep the unit away from direct sunlight and strong magnetic fields which may interfere with the counterfeit detection sensors.
- When not using the unit for an extended period of time, disconnect the power cord from the wall outlet.

### **1.3 Box Contents**

1. KCD-1000 4-Way Money Detector
2. AC/DC Power Adapter
3. User Manual
4. Cleaning Brush

### **1.4 Specifications**

Weight: 0.95 lbs (0.43 kg)

Dimensions: 6.3" x 5.1" x 3.6" (160mm x 130mm x 92mm)

Sensors: Ultraviolet (UV), Magnetic (MG), Infrared (IR)

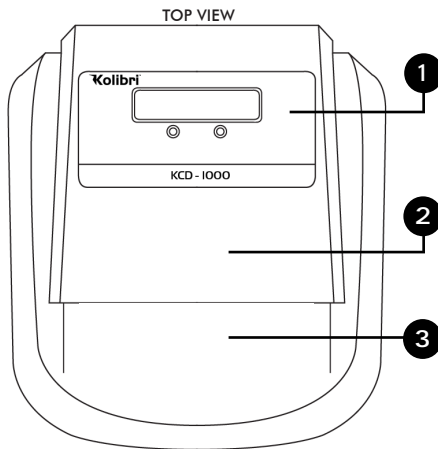
Power Supply AC/DC adapter, 5V 2000mA

Power Consumption: 3.5W

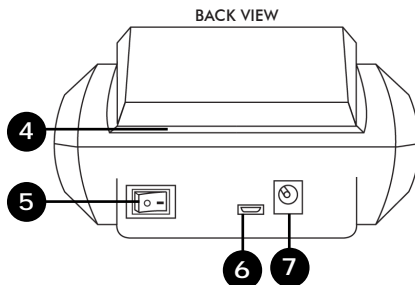
Applicable Currency: United States Dollar

## 1.5 Views of the KCD-1000

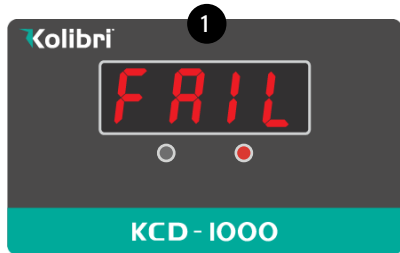
1. Membrane
2. Lid
3. Front Slot



4. Rear Slot
5. Power Switch
6. Micro USB Port
7. Power Input Jack



## 1.6 Membrane



MEMBRANE	
Key	Function
1. Display	Displays PASS or FAIL message
2. Light Indicators	Shows GREEN light for PASS or RED light for FAIL

## **2. GETTING STARTED**

### **2.1 Powering Up**

Ensure the lid is properly closed. Connect the DC adapter to the KCD-1000 and plug into the power outlet. Toggle the power switch on the back side of the unit to the "ON" position. The unit will start loading the system after a couple of seconds and conduct a short self-test. The screen will display the "USD" indicating it is ready to operate.

### **2.2 Checking a Bill's Condition**

Avoid inserting bills that are torn, heavily worn or crumpled. Do not insert bills that have staples attached or bills that are covered by adhesive tape. Do not insert wet or heavily stained bills.

### **2.3 Inserting the Bill**

The KCD-1000 is a 4-way detector, meaning that bills can be inserted in any 4 possible orientations. After the bill is positioned in the insertion slot properly and aligned in the middle, the detector will automatically feed and scan the bill.

If a bill is recognized as authentic, the following will occur:

1. Light indicator will turn GREEN
2. Screen will display "PASS"
3. The bill will be ejected from the front

If the bill is NOT recognized, the following will occur:

1. Light indicator will turn RED
2. Screen will display "FAIL"
3. The machine will emit several beeps
4. The bill will be ejected from the front

## 2.4 PASS/FAIL Mode

Pass/Fail mode displays if the bill is recognized or not with a clear PASS and FAIL message on the screen.



## 3. MAINTENANCE AND TROUBLESHOOTING

### 3.1 Maintenance

**ATTENTION:** The unit should always be turned off and disconnected from its power cord before cleaning. DO NOT use solvents such as thinner, alcohol, etc. to clean the machine.

Most operational problems can be avoided by regular care and preventative maintenance. Taking regular care of the KCD-1000 will significantly increase its lifetime.

For best results, it is recommended to use an air duster and a soft bristle brush to remove any dust or debris from the interior of the unit. Insert approximately  $\frac{1}{4}$  inch of the duster nozzle through the front bill insertion slot to blow away any debris that may have accumulated inside the unit.

Do not insert the nozzle more than  $\frac{1}{4}$  inch into the unit as it may damage the sensor mechanisms inside the KCD-1000 unit.

Pay close attention to the sensors, which are delicate components. If any dust or other foreign matter adheres to the sensors, it may cause various problems during operation of the machine.

**Note:** that several factors can cause a KCD-1000 to not recognize a genuine bill:

- Overly wrinkled, overly creased and overly worn bills
- If the unit is dropped or bumped
- A sudden change in temperature
- Extended period of non-use

### 3.2 Troubleshooting

Problem Description	Cause/Action
Screen displays "OPEN"	Ensure the lid is properly closed
Screen displays "CEO"	Ensure no foreign objects cover the sensors inside of the unit. Remove foreign objects. Close lid tightly. Turn unit on.
Unit does not turn on	Ensure the power cord is connected properly. Turn the switch button off for 3 seconds and turn it back on. Contact Kolibri's technical service center if the issue persists.
Unit motor/rollers keep turning	Ensure the lid is properly closed. Turn off the unit and turn it back on. Contact Kolibri's technical service center if the issue persists.
Unit does not read the bills or fails to detect counterfeit	Turn off the unit. Open lid. Use an air duster or soft brush to clean the interior sensors of the KCD-1000. See section 5.1 "MAINTENANCE". Close lid tightly. Turn unit on.
Bills are jammed.	Turn off the unit. Open lid. Use an air duster or soft brush to clean the interior sensors of the KCD-1000. See section 5.1 "MAINTENANCE". Look for any foreign objects inside the unit (paper clips, rubber bands, etc.). Remove foreign objects. Close lid tightly. Turn unit on.

### 3.3 Warranty

The KCD-1000 is warrantied for a period of one year from the date of purchase. In most cases a unit malfunction can easily be corrected by performing a thorough cleaning.

- Customer should allow the manufacturer the time and opportunity to test and diagnose the machine to determine warranty and non-warranty claims
- After receiving and unpacking the unit, customer shall keep the package and its user manual. Warranties are canceled in the event the device is transported in a non-original packaging or operation/maintenance conditions are not met
- Company is not responsible for unit malfunction due to improper maintenance, storage, or transportation including, but not limited to mechanical damage
- Manufacturer is entitled to introduce updated software, not described in the current user manual

#### Non-Warranty Service:

The manufacturer can perform maintenance and cleaning for an extra fee. For a non-warranty repair or maintenance quotation, contact our Technical Support team. Warranty service is not available in the following cases:

- Cleaning of the unit from dust and mud
- Operation or maintenance rules requirements set in the user manual are not met
- There is mechanical damage to the unit or the sealed portions of the unit have been opened or tampered
- There are foreign objects or liquid inside the unit

The warranty does not cover shipping to Kolibri's technical service center.

### 3.4 Contact Information

Technical Support contact information:

<http://kolibriusa.com/contact/>

When contacting Technical Support, please have the following available:

- Product Model – Located on the bottom of the machine.
- Serial Number – Located on the bottom of the machine.
- Nature of the problem – What happened, and when did it happen? Did the machine display an error message?

**Kolibri**

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Specifications subject to change without notice.

[www.KolibriUSA.com](http://www.KolibriUSA.com)

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