

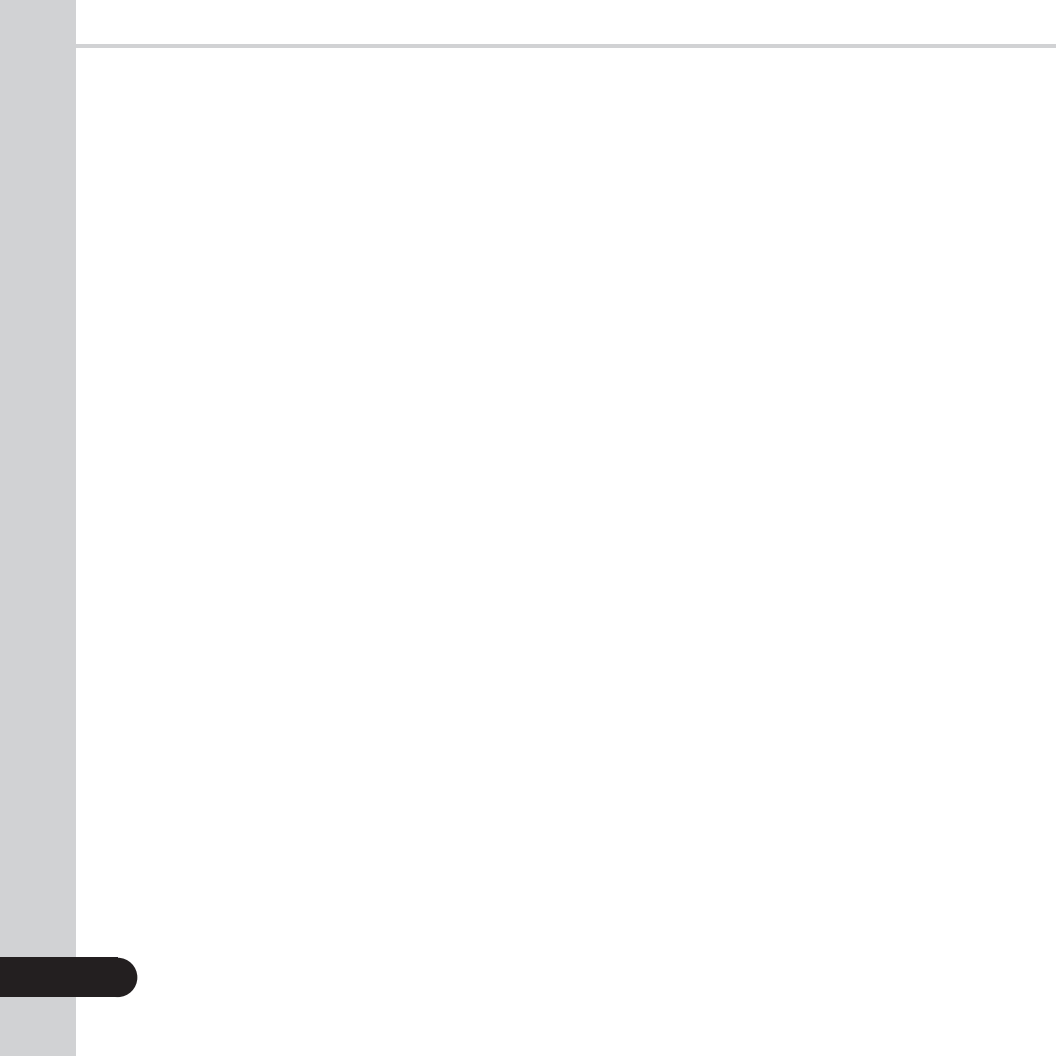
Kolibri™

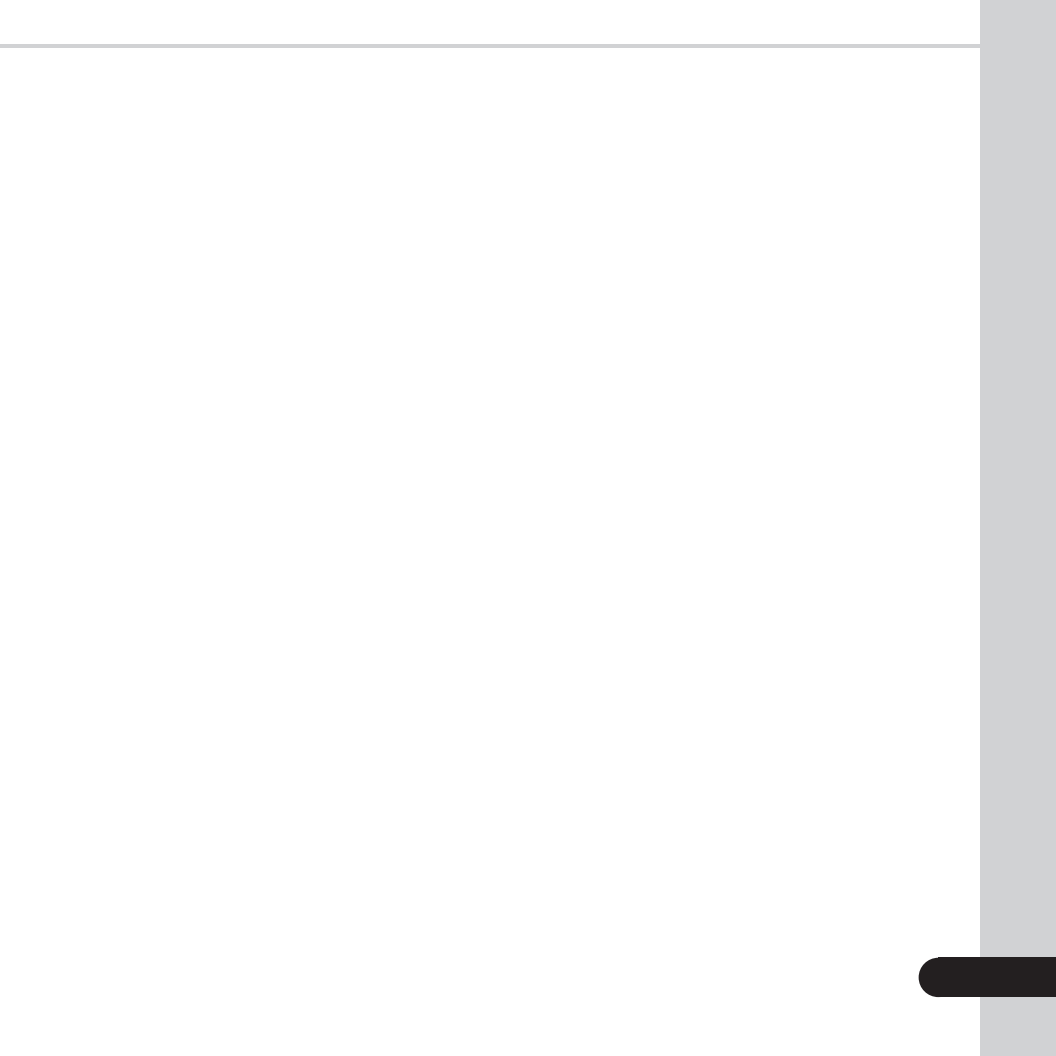
KCD-1500



USER MANUAL

KCD-1500 Counterfeit Detector





This manual contains important information on safety measures and operational features of the KCD-1500 4-way counterfeit 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-1500 and its operation, please contact technical support at www.kolibriusa.com/pages/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, lanyards...
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 -1500

Thank you for choosing the KCD-1500, which incorporates the most powerful counterfeit detection technology available to the industry.

The machine verifies infrared security marks, the most reliable anti-counterfeit protection available for paper currency. With its advanced sensors, the device also verifies magnetic marks.

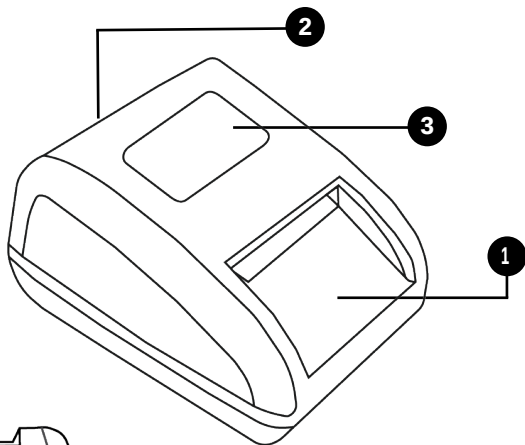
1.2 Box Contents

1. KCD-1500 4-Way Counterfeit Detector
2. AC/DC Power Adapter
3. User Manual

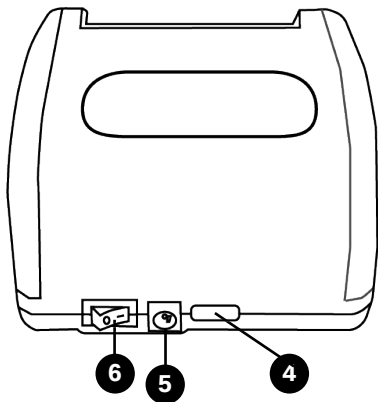
1.3 Front and Rear Views

1. Front slot
2. Rear slot
3. Display
4. USB port
5. DC Power Jack
6. ON/OFF power switch

TOP VIEW



BACK VIEW



1.4 Specifications

Net Weight: 0.84 lbs

Dimensions: 5.12" x 4.13" x 2.8"

Sensors: Internal IR and MG sensors

Power Consumption: 12W

Power Supply: AC/DC adapter, 12 VDC output Input voltage 100-240V AC

Applicable Currency: United States Dollar

1.5 Important Safety Notes

When operating KCD-1500, please observe the following basic safety procedures:

- Use only the AC/DC adapter provided with the unit. The use of other AC/ DC adapters may result in electrical shock fire or cause serious damage to the unit.
- Do not use the unit if the power cord is damaged, or if the plug socket contact is loose. Failure to follow these instructions may result in electrical shock or fire.
- Do not use this unit in areas where it may be exposed to water or any other liquids. Unplug the unit from the wall outlet before cleaning.
- To reduce the risk of electrical shock, do not disassemble this product. Opening or removing covers may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electrical shock when the appliance is used again.
- When service or repair work is required, take the unit to a qualified service technician.
- Do not operate the unit in areas with high temperatures or high humidity. These conditions may prevent it from working properly.
- When not in use for an extended period of time, remove the power plug from the wall outlet.

2.1 Powering Up

Connect the AC/DC adapter to the KCD-1500 and plug the adapter into the power outlet. Turn the KCD-1500 on by pressing the ON/OFF button. The unit will start loading the system after a couple of seconds and conduct a short self-test. The screen will display "0", indicating the KCD-1500 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.

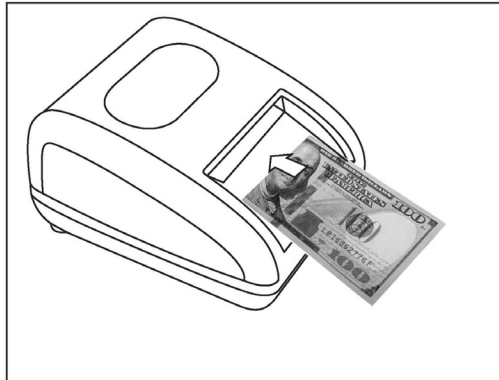
2.3 Authenticating a Bill

After the bill is positioned in the insertion slot, the detector will automatically feed and scan the bill. If a bill is recognized as authentic, the following will occur:

1. The denomination of the banknote will be displayed on the screen.
2. The bill will be ejected through the insertion slot at the front of the unit.

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

1. "Fail" will be displayed on the screen.
2. The detector will emit a triple warning beep.
3. The bill will be rejected through the insertion slot at the front of the unit

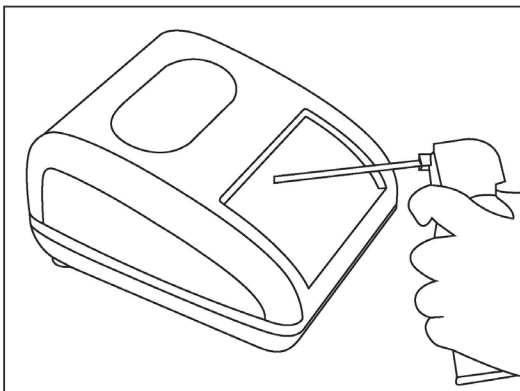


3. MAINTENANCE AND WARRANTY

3.1 Maintenance

Regular maintenance will ensure accurate operation of the unit and will prolong its service life. Use an air duster to remove dust from the sensors. Insert approximately 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 1/4 inch into the unit, as it may damage the sensor mechanisms inside the device.



3.2 Troubleshooting

Because of the printing method used by the US Mint, bills are not exactly identical. This will occasionally cause a bill to not be recognized on the first run in a automatic detector. This may also occur if a bill is inserted with even a slight deviation from the required pathway. Kolibri KCD-1500 is a very advanced machine and will not accept a counterfeit bill under the typical circumstances. If a bill is rejected, reinsert it in all four orientations at least twice to verify its authenticity. If the KCD-1500 recognizes a bill after after the second or third attempt it is likely that the bill is authentic.

Several factors can cause the machine to not recognize a genuine bill:

- Overly wrinkled, overly creased an overly worn bills.
- A physical shock.
- A sudden change in temperature or humidity.
- Extended period of non-use.

If the KCD-1500 detector consistently refuses to recognize genuine bills, turn the unit off, unplug it from the wall. Reinsert the plug and turn the machine on to perform a reset.

Please note that the Kolibri KCD-1500, like all other counterfeit detectors on the market cannot guarantee a 100% accurate counterfeit detection for every single bill regardless of its specific condition. Several factors may cause a genuine bill as counterfeit or vice versa, including direct sunlight exposure, excessive wear, soiling or highly advanced counterfeiting techniques used to produce the bill. Separate equipment may be required to definitively determine whether a bill is counterfeit or not.

3.3 Warranty

The KCD-1500 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 with
- There are foreign objects or liquid inside the unit

3.4 Shipping

The warranty does not cover the cost of shipping to Kolibri's Technical Service Center.

3.5 Contact Information

Technical Support contact information:
www.kolibriusa.com/pages/contact

When contacting Technical Support, please have the following available:

- Product Model – Located on the back side 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?
- Steps already taken to resolve the problem, and the results.

