PONNOR AL-135T

PONNOR AL-135T Counterfeit Bill Detector

Model: AL-135T | Brand: PONNOR

1. Introduction

The PONNOR AL-135T is an advanced counterfeit bill detector designed to verify the authenticity of banknotes. It features two primary operating modes: a denomination counting and totaling mode, and a quick Pass/Fail mode. This device supports multiple currencies including USD, EUR, CAD, and MXN, making it suitable for various business environments. Equipped with a 3-inch digital screen and a built-in rechargeable battery, it offers both portability and efficient operation.

2. Safety Information

- Do not expose the device to water or excessive moisture.
- Avoid dropping or subjecting the device to severe impacts.
- Use only the specified power adapter for charging.
- Keep the device away from strong magnetic fields.
- Do not attempt to disassemble or repair the device yourself. Contact qualified service personnel.

3. Package Contents

Please check the package for the following items:

- PONNOR AL-135T Counterfeit Bill Detector
- Power Adapter
- User Manual

4. Product Overview

The AL-135T features a compact design with a 3-inch TFT display for clear information display. It includes a bill entry slot, an exit slot, and control buttons for mode selection and currency changes.



Figure 1: Product dimensions and overview of the PONNOR AL-135T Counterfeit Bill Detector. The image shows the device with measurements of 155mm (5.98in) length, 137mm (4.92in) width, and 82mm (3.46in) height.

5. Setup

5.1 Power Connection and Initial Charge

Connect the provided power adapter to the device's power input port and then to a suitable power outlet. The device has a built-in rechargeable lithium battery (11.1V/500mAh) for cordless operation. It is recommended to fully charge the device before its first use.



Figure 2: The 3-inch TFT display screen and the internal rechargeable battery of the PONNOR AL-135T. The screen provides clear readability, and the battery enables portable use.

6. Operating Instructions

6.1 Turning On/Off

Press and hold the power button to turn the device on or off. The 3-inch TFT display will illuminate upon startup.

6.2 Mode Selection

The AL-135T offers two operational modes:

- **Denomination Counting & Totaling Mode:** This mode identifies the denomination of each bill and calculates a running total.
- **Quick Pass/Fail Mode:** This mode provides a rapid authenticity check, indicating only whether a bill is genuine (Pass) or counterfeit (Fail).

Use the 'MODE' button (or similar labeled button) on the device to switch between these two modes.

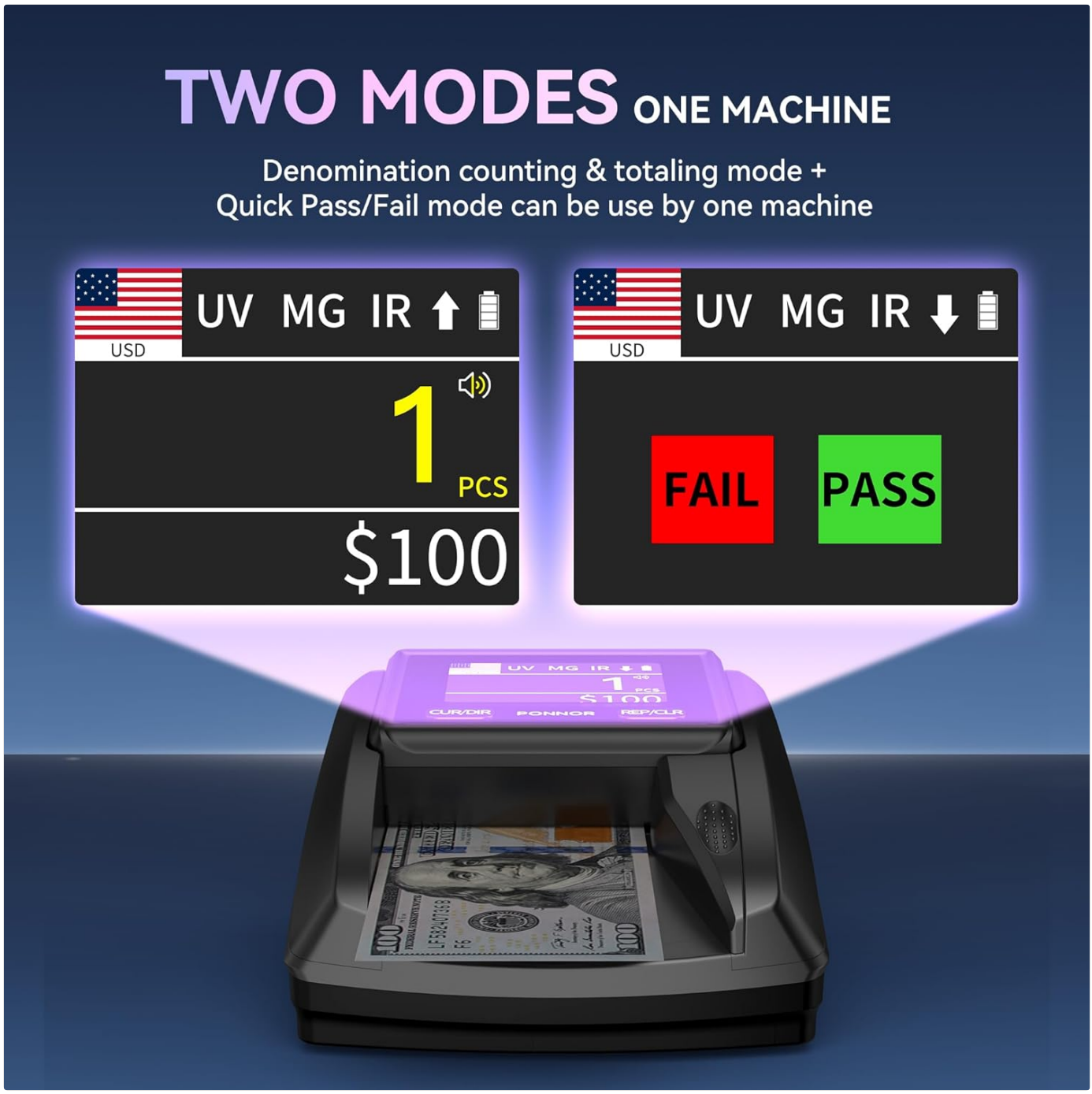


Figure 3: Illustration of the two operating modes: Denomination Counting & Totaling (left, showing $100 bill count) and Quick Pass/Fail (right, showing FAIL/PASS indicators). The device can switch between these functions.

6.3 Currency Selection

The device supports USD, EUR, CAD, and MXN. Use the 'CUR' (Currency) button to cycle through the available currencies until the desired currency is displayed on the screen.



Figure 4: The device supports USD, EUR, CAD, and MXN currencies. The image shows examples of these currencies and the device indicating USD detection.

6.4 Bill Feeding

Insert banknotes into the feeding slot. The AL-135T features a 4-way feed mechanism, allowing bills to be inserted from any of the four orientations. A jam-free stopper design helps ensure smooth operation.



Figure 5: Demonstrates the 4-way feed capability of the device. Bills can be inserted in any orientation, and the jam-free stopper ensures continuous operation.

6.5 Interpreting Results

The device utilizes up to 10 advanced authentication checks, including Full Color Sensor (RGB), Magnetic Ink (MG), Magnetic Thread (MT), Infrared Reflection (IR), Infrared Transmission (Image), Ultraviolet Paper Brightness (UV), Banknote Size (SIZE), Half-Notes (HLF), Chain Notes (CHN), and Double Notes (DBL).



Figure 6: Overview of the 10 advanced detection methods used by the AL-135T, including UV, MG, IR, and size detection, to identify counterfeit bills.

In Denomination Counting & Totaling Mode, the screen will display the number of pieces and the total value. Pressing the 'REP/CLR' button will show detailed denomination breakdown.

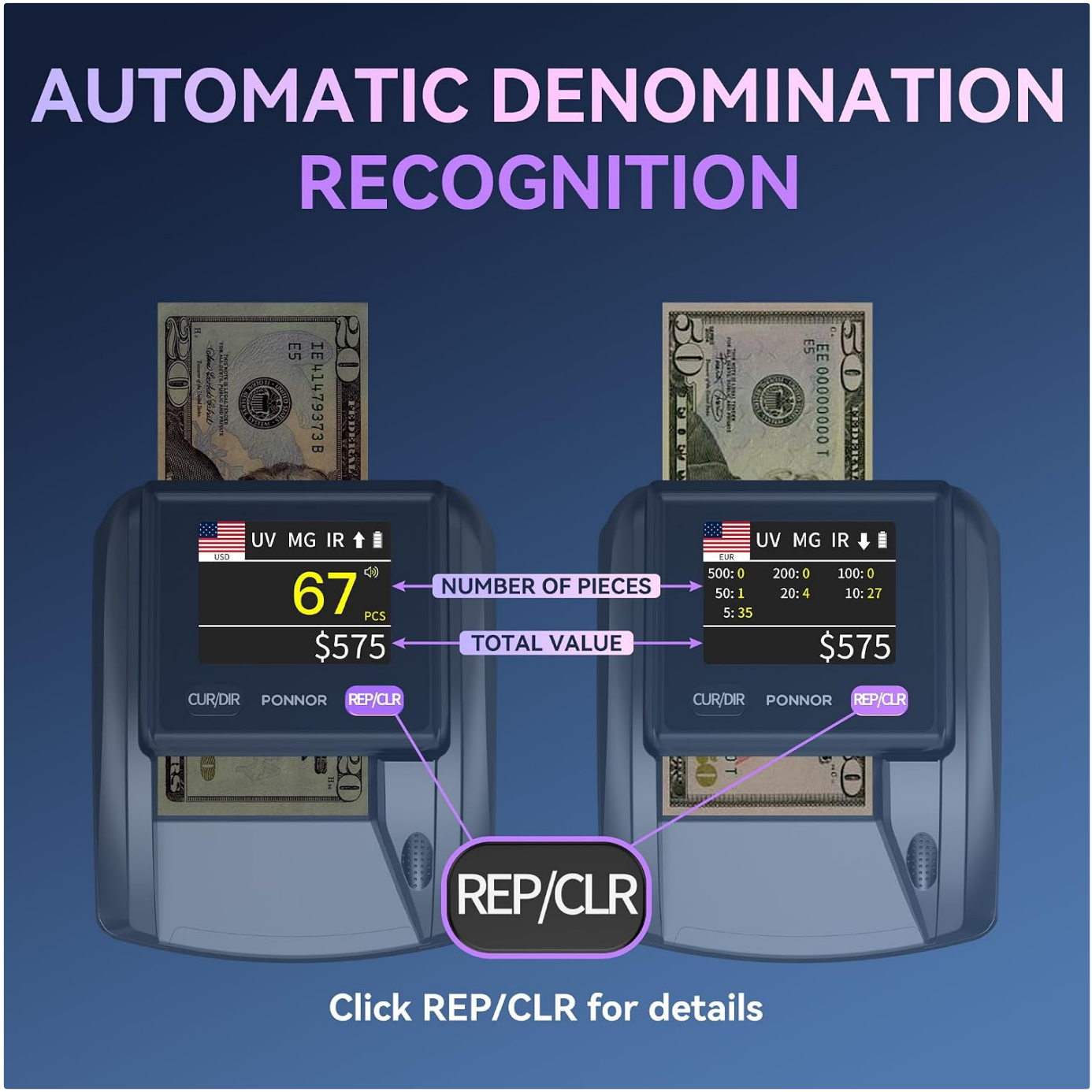


Figure 7: The automatic denomination recognition feature. The screen shows the number of pieces and total value, with the option to view a detailed breakdown by pressing 'REP/CLR'.

6.6 Exit Direction

The device allows for selectable inward or outward bill exit directions to adapt to your workflow. Adjust this setting using the 'DIR' (Direction) button or a similar control.

7. Maintenance

7.1 Cleaning

Regularly clean the bill path and sensors with a soft, dry, lint-free cloth. Do not use liquid cleaners or abrasive materials, as these can damage the device.

7.2 Battery Care

To prolong battery life, avoid fully discharging the battery frequently. If the device will not be used for an extended period, charge it to approximately 50% and store it in a cool, dry place. Recharge every few months to prevent deep discharge.

8. Troubleshooting

- **Device does not turn on:** Ensure the power adapter is securely connected and the device is charged. If using battery, check battery level.
- **Bills are not detected or jam frequently:** Ensure bills are inserted straight and flat. Clean the bill path and sensors. Check for any obstructions.
- **Incorrect denomination or total:** Verify that the correct currency is selected. Ensure bills are not excessively worn or damaged.
- **False positives (genuine bills marked as counterfeit):** Ensure bills are inserted correctly. Clean sensors. If the issue persists, contact support as sensor calibration might be needed.
- **Device screen is blank or flickering:** Try restarting the device. If the problem continues, contact support.

9. Specifications

Feature	Specification
Operating Temperature	0°C–40°C
Storage Temperature	-20°C–65°C
Dimensions (L x W x H)	155 x 137 x 82 mm
Net Weight	0.5 kg
Power Supply	AC100V–240V 50/60Hz or DC 12V/1.0A
Battery	Rechargeable lithium battery 11.1V/500mAh
Power Consumption	<10W
Detecting Speed	<0.5 seconds/piece

10. Warranty and Support

10.1 Warranty Information

This product comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or contact your retailer for specific warranty terms and conditions.

10.2 Customer Support

For technical assistance, troubleshooting, or service inquiries, please contact PONNOR customer support. Contact details can typically be found on the product packaging, the official PONNOR website, or through your purchase retailer.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question