PONNOR AL929

PONNOR AL929 Money Counter Machine User Manual

Model: AL929

1. Introduction

This manual provides detailed instructions for the safe and efficient operation of your PONNOR AL929 Money Counter Machine. The AL929 is designed for mixed denomination counting, serial number reading, and multi-currency counterfeit detection, suitable for various business environments.



Figure 1: PONNOR AL929 Money Counter Machine with external display and counted bills.

2. Package Contents

Verify that all items are present in the package:

- PONNOR AL929 Banknote Counter
- External Display
- Power Cable
- External Monitor Data Cable
- User Manual
- Nylon Brush for cleaning
- CIS Calibration Paper
- Fuse
- Soft Cleaning Cloth



Figure 2: Package contents of the PONNOR AL929 Money Counter Machine.

3. Setup

3.1 Initial Placement and Power Connection

1. Place the machine on a stable, flat surface.
2. Connect the power cable to the machine's power socket and then to a suitable power outlet.
3. Turn on the machine using the power switch located on the rear panel.

3.2 Connecting the External Display and Printer

- **External Display:** Connect the external monitor data cable from the machine's "External Display Port" to the external display unit.
- **Printer:** Connect the data cable from the machine's "RS232 Printer Port" to the external thermal printer. Ensure the printer has a paper roll installed.

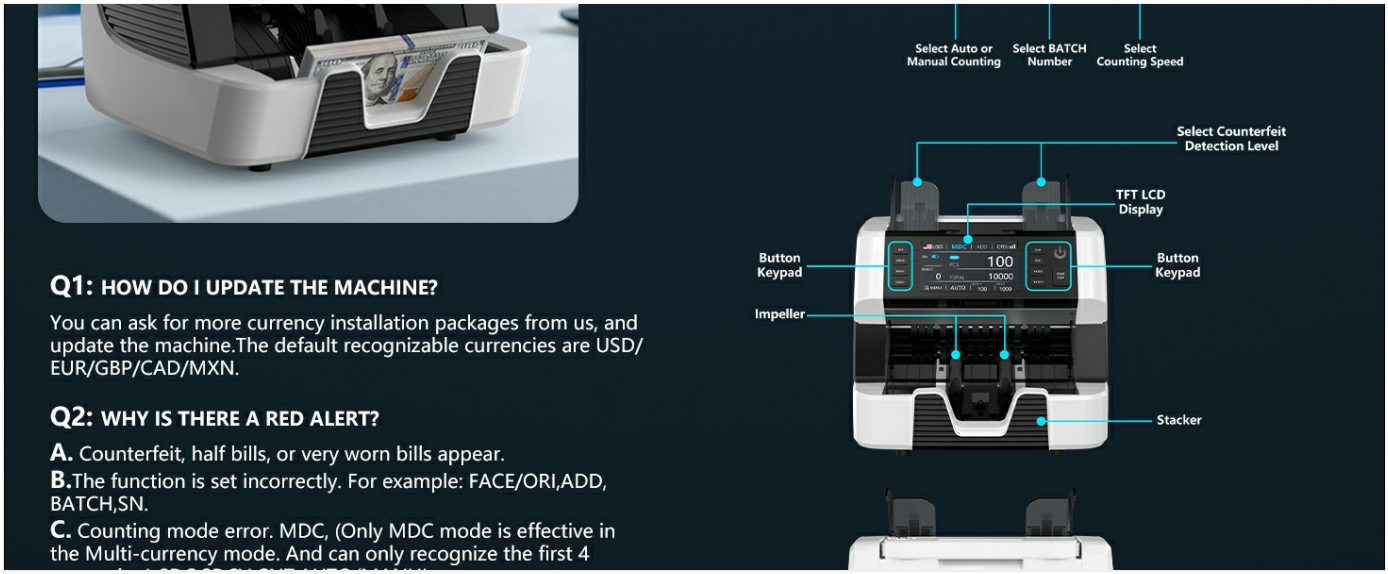


Figure 3: Rear panel connections for power, external display, and printer.

4. Operation

The AL929 features a 4.5-inch touch screen and button keypad for intuitive control.

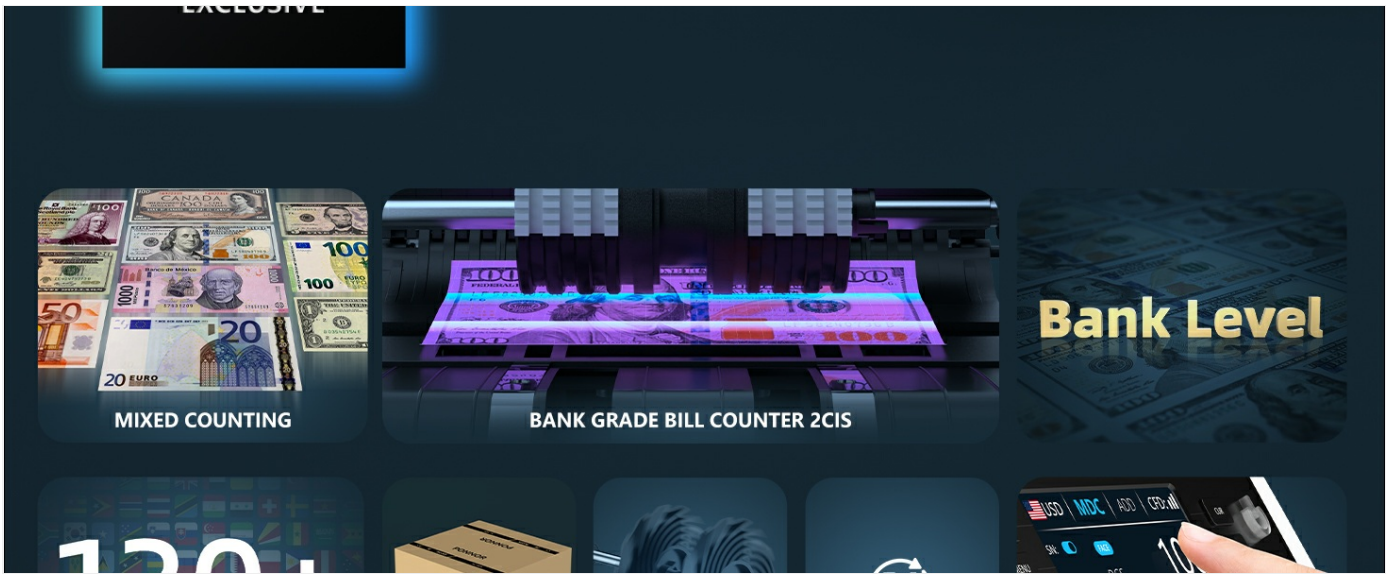


Figure 4: Control panel overview with key functions labeled.

4.1 Basic Counting Modes

- **AUTO/MANUAL Counting:** Select the desired mode on the control panel. In AUTO mode, counting begins automatically when bills are placed in the hopper.
- **Mixed Denomination Counting (MDC):** This mode counts mixed bills and provides a total value, quantity, and value breakdown by denomination.
- **ADD Function:** Accumulates the count of multiple batches.
- **BATCH Function:** Counts bills into preset batches (e.g., 100 bills).
- **Speed Adjustment:** Adjust the counting speed (e.g., 800-1200 pieces/min) as needed.

4.2 Multi-Currency Support

The AL929 supports over 120 currencies. The default recognizable currencies include USD, EUR, GBP, CAD, and MXN. For other currencies, contact support to obtain the necessary update files.

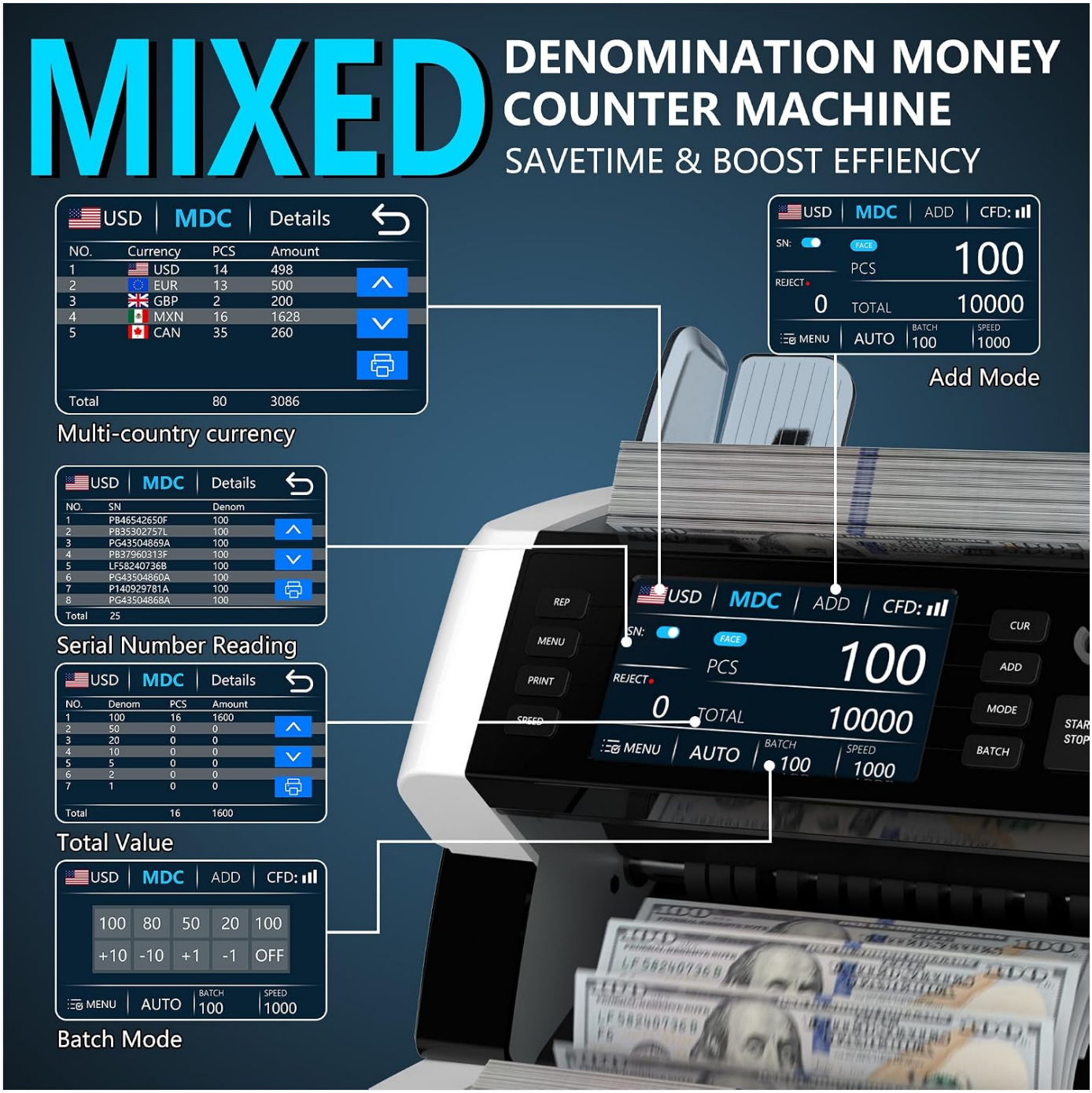


Figure 5: Multi-currency and mixed denomination counting display.

4.3 Serial Number Reading

The machine can read and record serial numbers of counted bills. This feature is accessible via the control panel.

4.4 Counterfeit Detection

The AL929 is equipped with multiple detection methods for bank-level anti-counterfeiting:

- **UV (Ultraviolet Detection):** Detects UV features on banknotes.
- **MG (Magnetic Ink Detection):** Checks for magnetic ink patterns.
- **IR (Infrared Sensor):** Verifies infrared security features.
- **2CIS (Contact Image Sensor):** Provides image recognition for detailed analysis.
- **NT (Note Thickness) & SN (Serial Number) Recognition:** Additional security checks.

If a counterfeit note is detected, the machine will issue a red warning and an audible alert.

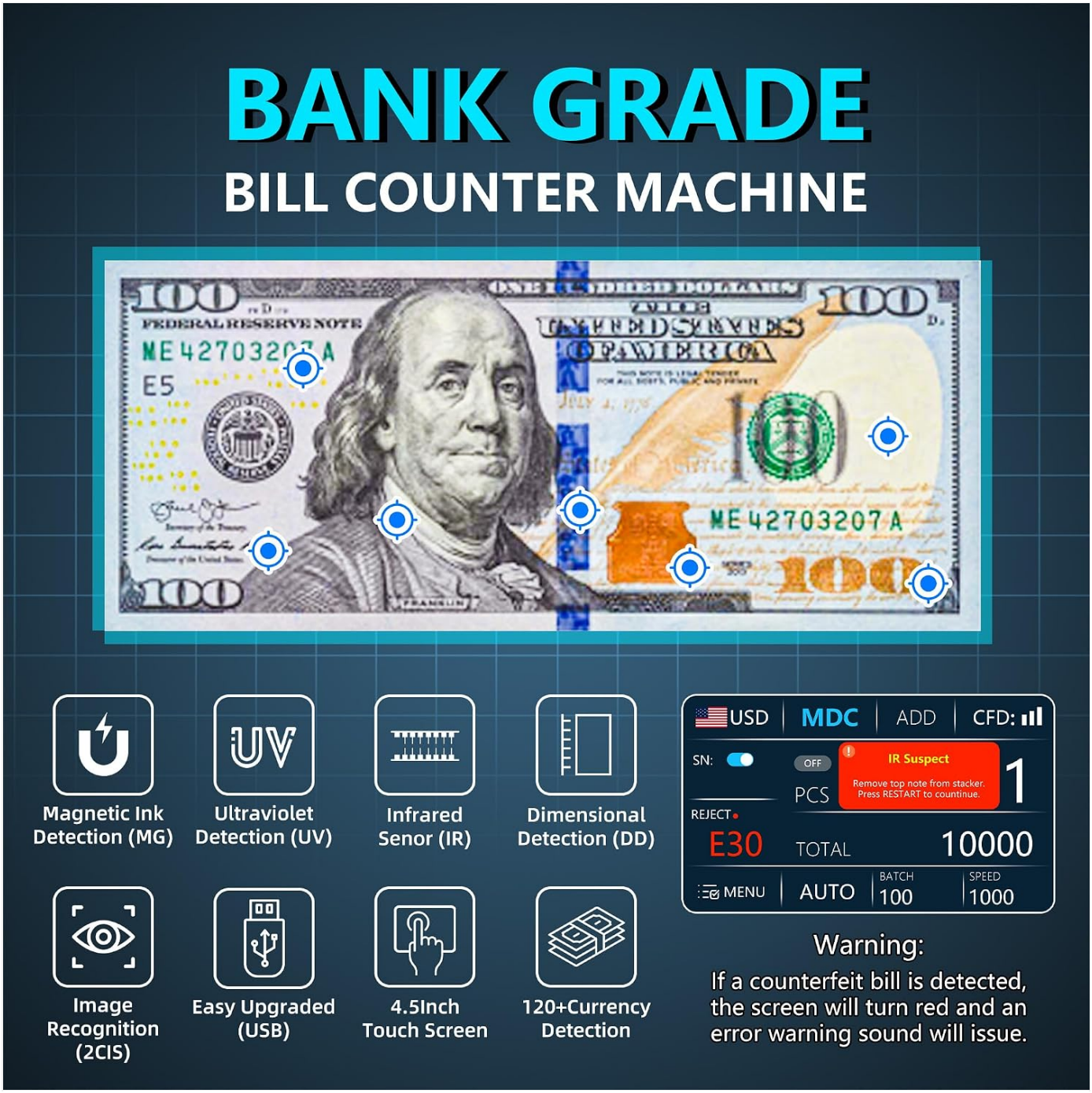


Figure 6: Bank-grade counterfeit detection features.

4.5 Printing Results

After connecting the external printer, press the 'PRINT' button on the machine to generate a detailed report. The report includes currency type, total amount, serial numbers, and the number of notes counted.



Figure 7: External thermal printer in operation, showing a sample printout.

5. Maintenance

5.1 Cleaning the Machine

Regular cleaning ensures optimal performance and longevity.

- **CIS Sensors:** Open the back cover and use the provided nylon brush or soft cleaning cloth to gently clean the CIS sensors.
- **General Dust:** Use the nylon brush or soft cleaning cloth to remove dust from the hopper, stacker, and other accessible areas.

5.2 Adjusting Feeding Gap

If bills are jamming frequently or feeding improperly, the feeding gap may need adjustment. Locate the adjustable screw and turn it slightly to optimize the gap. Refer to the manual for precise adjustment instructions.

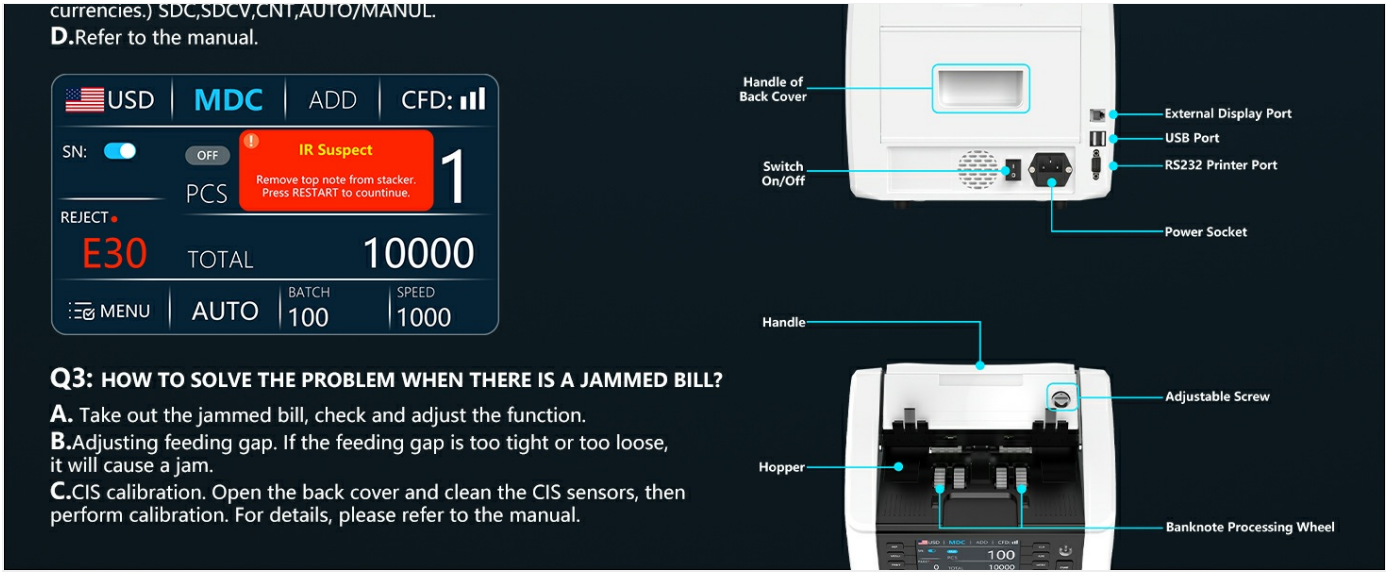


Figure 8: Internal view highlighting the banknote processing wheel and adjustable screw.

6. Troubleshooting

Problem	Possible Cause	Solution
Red warning/Audible alert	Counterfeit, half bills, or very worn bills detected. Incorrect function setting (e.g., FACE/ORI, ADD, BATCH, SN). Counting mode error (MDC mode only effective for multi-currency).	Remove the suspect note from the stacker. Check and adjust function settings. Refer to the manual for specific mode requirements. Press RESTART to continue.
Bill Jamming	Bills are wrinkled or damaged. Feeding gap is too tight or too loose. CIS sensors are dirty.	Remove the jammed bill. Adjust the feeding gap using the adjustable screw. Clean the CIS sensors as described in the Maintenance section.
Cannot count specific currency	Currency not pre-installed or firmware is outdated.	Contact PONNOR support to obtain the necessary currency installation packages and update the machine via the USB port.

7. Specifications

- **Model:** AL929
- **Dimensions:** 7.1 x 13.1 x 11.4 inches
- **Item Weight:** 19.05 pounds
- **Counting Speed:** 800-1200 pieces/min
- **Detection Methods:** 2CIS, UV, MG, IR, NT, SN
- **Currency Support:** 120+ currencies (default: USD, EUR, GBP, CAD, MXN)
- **Display:** 4.5-inch Touch Screen
- **Connectivity:** USB for updates, RS232 for printer, External Display Port

8. Warranty and Support

PONNOR is committed to providing high-quality products and customer satisfaction. For warranty information, technical support, or currency updates, please contact PONNOR customer service. We provide more than 120 currencies for you to update; you can contact us to get the file.

Contact Information: Refer to the contact details provided on the official PONNOR website or your purchase documentation.

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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.

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