User Manual

PD-100
LED Version

Contents

Chapter 1.   Introduction

Abbreviations and Acronyms

LED	Light Emitting Diode
USB	Universal Serial Bus
IR	Infrared
MG	Magnetic
MB	Megabyte
MA	Masterwork Automodules
PC	Personal Compute

Chapter 2.   PD-100 Operating Instructions

PD-100 at a Glance

LED display

Key F1

Key F2

Key F3

Bill Path

Battery Cover

Open the bill path by pulling it up.

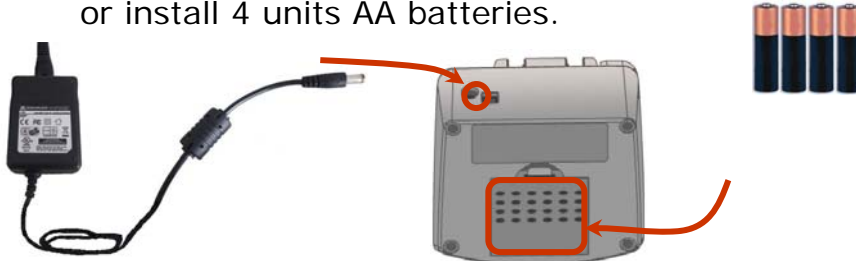**Power Socket**
AC/DC Adapter

Data Socket
PC and Printer connection
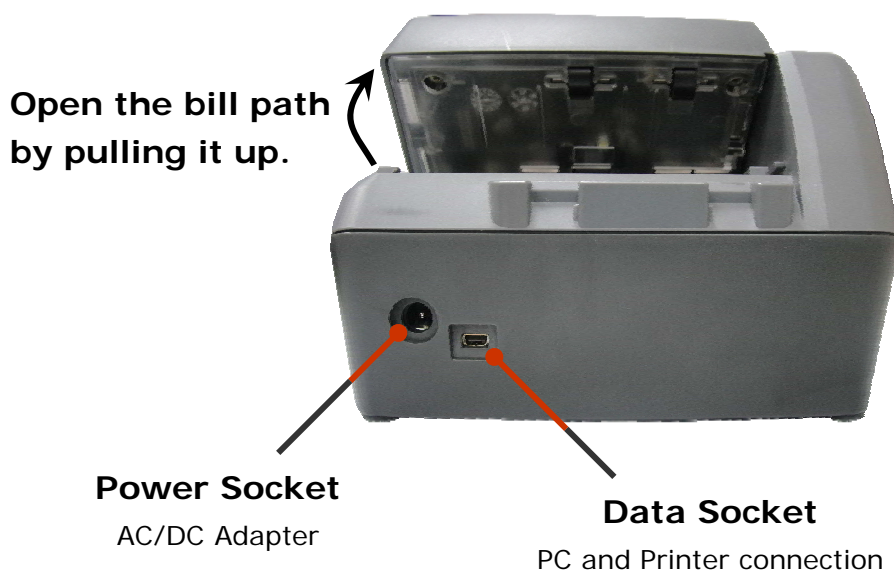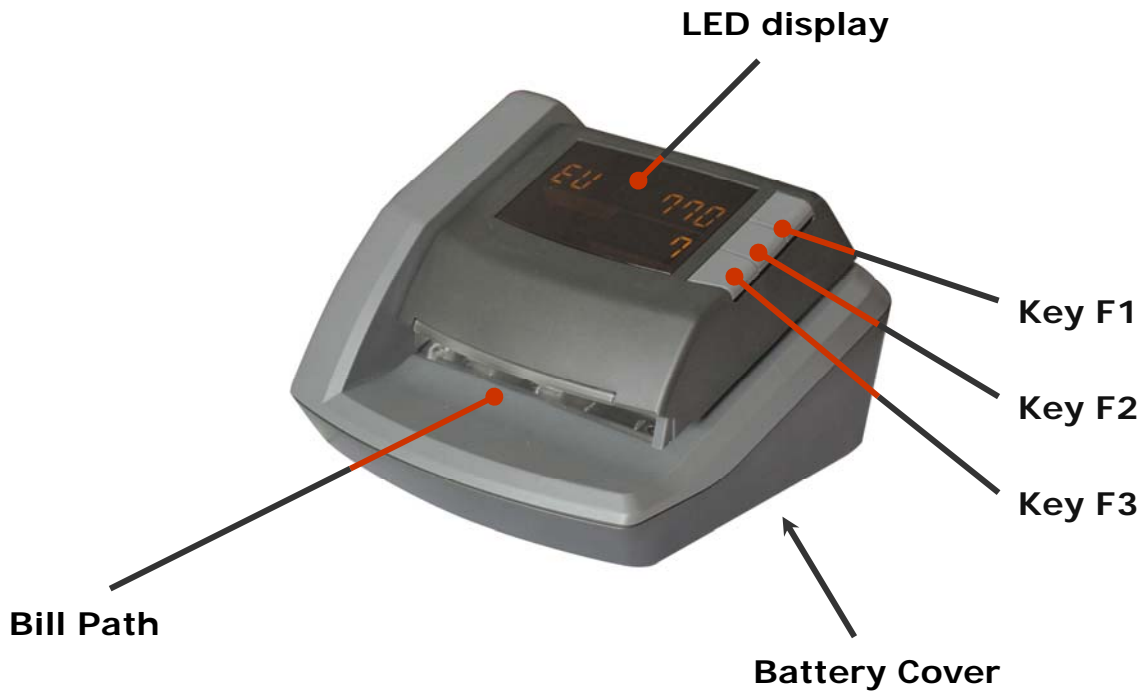
Power On and Off

1. Plug in the adaptor power cord and connect the DC jack to the PD100 / or install 4 units AA batteries.

2. To switch on the unit, press and hold F3 until display lights up.

3. To switch off the unit, press and hold F3 until display disappears.

Placing Bills

To operate the device smoothly, please follow the instruction:
1. Avoid counting wet, excessively dirty or spoiled notes.
2. Check for foreign matter mixed with notes, i.e.: paper chips, rubber bands, clips, dust, etc. they will jam the bill path or even damage the sensors.
3. Remove folds or curl from the notes beforehand.
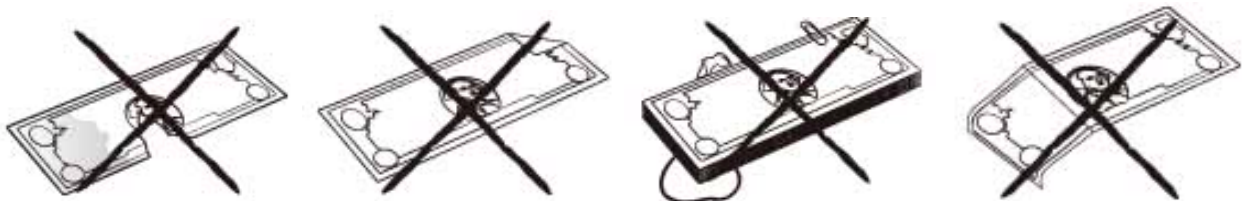
4. Put the notes along the left side of the bill path to prevent false alarms.

Auto Currency Switching.

PD100 switches to the currency of the genuine note detected. The currency icon turns to the currency in detecting procedure.

Result Display and Clearing

1. The detecting result is shown on the LED display, including total value and quantity.
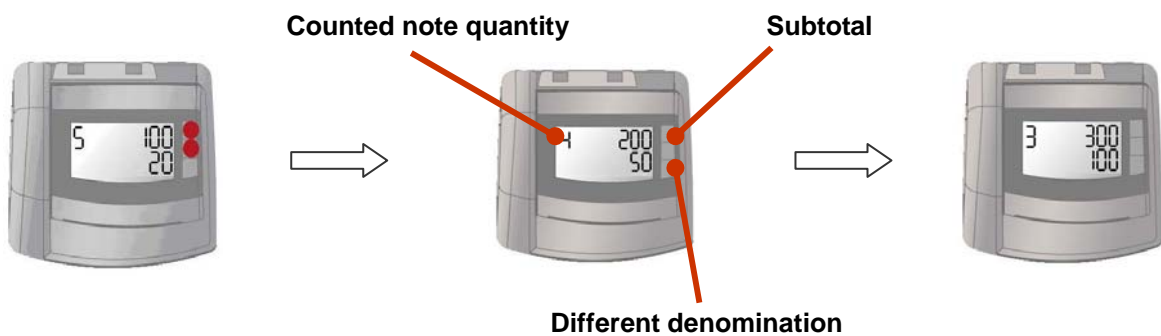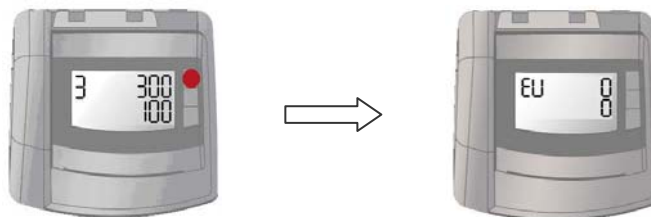
2. Press F1/F2 to switch to list mode.

```
EU    600 ●
         12
```

3. Press F1/F2 to change pages. Each page shows the subtotal and quantity by different denominations.

Counted note quantity   **Subtotal**

```
5    100 ●●        →        4    200        →        3    300
     20                         50                       100
```

Different denomination

4. Press and hold F1 to clear the result and back to main page.

```
3    300 ●        →        EU    0
     100                         0
```
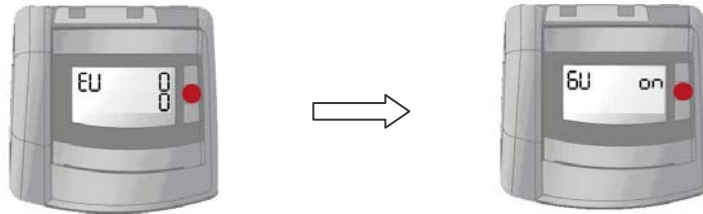
Turn on and off the buzzer (Default: ON)

1. Press and hold the key F3 to turn on the unit.
2. To turn off, press and hold the F2 until the display shows "bU oFF".

```
EU    0 ●        →        6U   oFF ●
     0
```
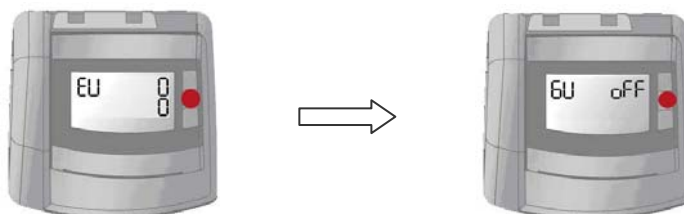
3. To turn on again, press and hold F2 until the device makes a "beep" sound and the display shows "bU on".

"Forward" and "Backward" mode changing (Default: Forward)

1. Press and hold F3 to turn on the unit.
2. Press F3 again to set notes processing direction.
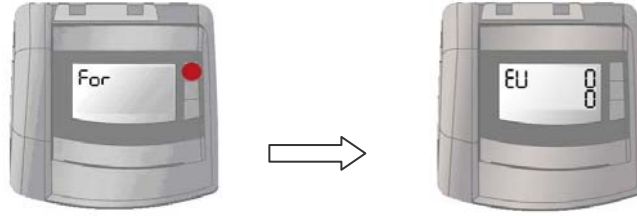3. Use F1/F2 to change notes processing direction.
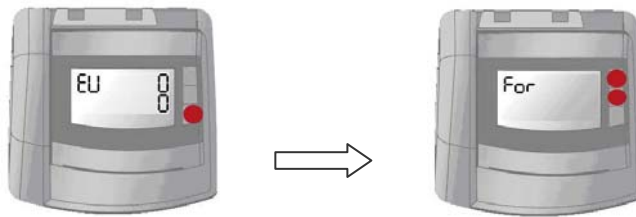
- "For" for Forward

- "bAc" for Backward

4. After selecting a desired mode, press F3 again to back to main screen.

Message code

1.	Err Ir	Suspicious note: IR.
2.	Err rc	Suspicious note: MG.
3.	Err dbl	Suspicious note: Double.
4.	Err dAt	No database loaded in the device. Please contact MA.
5.	Err noP	No paper. No banknote passes the device.
6.	SLEEP	3 minutes without operating the unit, it turns off automatically.
7.	Lo bAt	Battery low. Please plug the adaptor or change the batteries.
8.	too FASt	A note is fed too fast.
9.	Err hrd	A note jammed in the bill path. Please open the bill path and take out the note.
10.	FI 00	Full. The unit will show this code when it sums up 100 notes. Please press F1 to clear the result.

Chapter 3.   Maintaining PD-100

Cleaning the bill path of PD-100

1. Open the bill path by pulling up the upper module.

2. Gently wipe it or dust the bill path with the brush supplied or a dry, soft lint-free cloth.

3. If stains remain, moisten a soft, lint-free cloth with water or a 50-50 mixture of isopropyl alcohol and water that does not contain impurities.

4. Wring out as much of the liquid as you can.

5. Wipe the bill path and the sensor surface again; do not let any liquid drip into the unit.

NOTE: Avoid spraying cleaner directly on the equipment, and be sure to dry the bill path before closing it.

Appendix

Specification

Detection	IR, MG, Color
Counting	Accepted notes and total value
Available Currencies	Please contact with MA
Max. Install currencies	Up to 3 (Please contact MA)
Software/ Detection Upgrade	By PC
Feeder System	Manual
Transport System	Roller type, motorized
Detection / Counting Speed	2 notes / sec
Banknote direction(s)	4
Display	7 Digits LED
Power Supply	100-240V / 50-60 Hz
Power Alternation	AA batteries (4 units)
Power Consumption	Max. 10W
Dimensions	135 x 133 x 89 mm
Weight	750g (without battery)
Packing Information	12pcs/cnt.