MULTI-CURRENCIES DETECTOR

USER MANUAL

编 制：   审 核：   批 准：

Introduction

This unit is a reliable and easy-to-use currency detector. It can distinguish counterfeit notes from authentic ones. The user can carry it to anywhere as desired. The features of currency detected include magnetism, infrared, image, spectrum, length, etc.

Contents

Code	Description
F16	Error of the magnetic head senor 2
F17	Error of the magnetic head senor 3
F18	Error of the magnetic head senor 4
F19	Error of the magnetic head senor 5
F20	Error of feed sensor
F21	Error of left pass-through sensor
F22	Error of middle pass-through sensor
F23	Error of right pass-through sensor
F24	Error of keys
F25	Error of motor or length sensor
F26	Internal memory fault

Detective Error Code

Code	Description
E01	MAG ERROR
E02	IR ERROR
E03	PAPER ERROR
E04	LENGTH ERROR
E05	IMAGE ERROR

Appearance
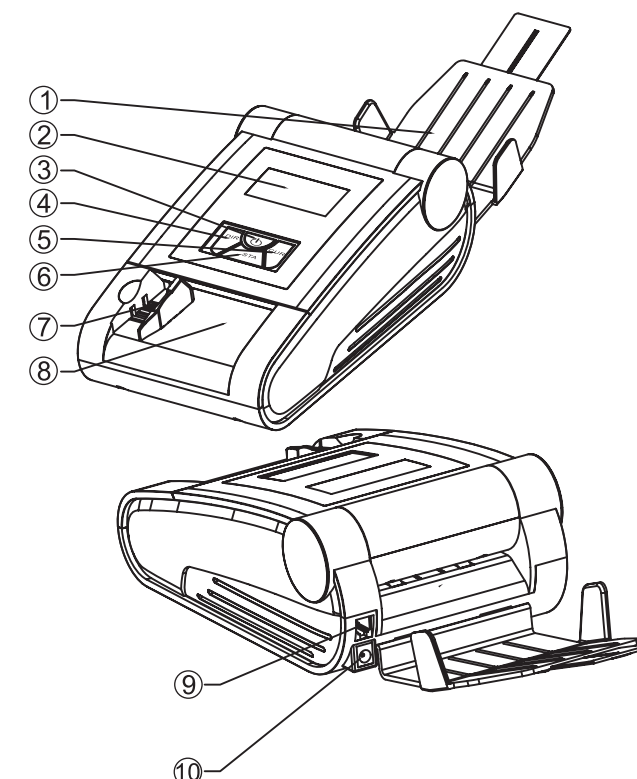
1. Receiving plate   2. LCD   3. Power switch   4. DIR key
5. CUR key   6. STA key   7. Adjusting slider   8. Feeder
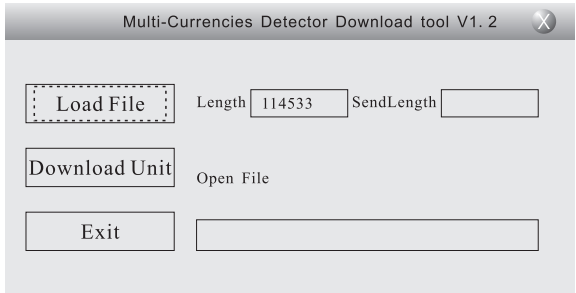9. Communication port   10. DC socket

Prepare for Detection

1. Install the receiving plate.

2. Connect the detector to the power adapter and then press the power key for 2 seconds to turn on the detector.

3. Self test will start after turning on. If the self test is successful, the display window will show "Ready" which means the detector is ready for use. Refer to the following figure.

```
                    ┌─────────┐
                    │  ▭▭     │
      Low Battery    └─────────┘

   USD         EUR         GBP
```

Software Upgrade

1. Turn off the detector first, then connect the detector to the PC with provided download cable.

2. Press STA and Power key at the same time, then turn it on. "Ready to download" will display and the detector enter download mode.

3. Run the download software on PC. Refer to the following figure.

```
   Multi-Currencies Detector Download tool V1. 2    ⊗

   ┌──────────────┐
   │  Load File   │   Length  114533   SendLength  ┌────────┐
   └──────────────┘                                └────────┘
   ┌──────────────┐
   │ Download Unit│   Open File
   └──────────────┘
   ┌──────────────┐   ┌──────────────────────────────┐
   │    Exit      │   └──────────────────────────────┘
   └──────────────┘
```

4. Click "Load File" button, then select ".UPL" file. After selecting the file, click the "Download Unit" button.

The software will be downloaded into the detector. After about 1 minute, the upgrade will be finished.

Maintenance Instructions

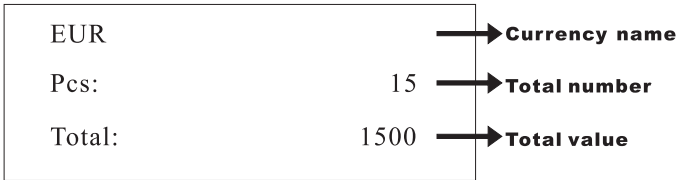This unit is a precise financial detector that needs periodic maintenance.

1. Operate this unit in the designated ambient environment only.

2. Store this unit in a ventilated place and Keep away from any strong magnetic field or strong light.

Report Mode

In ready status or after finishing detection, press STA key to enter the report mode.

```
                    E04            ──▶ Error code

   Length       Error             ──▶ Detailed information
```
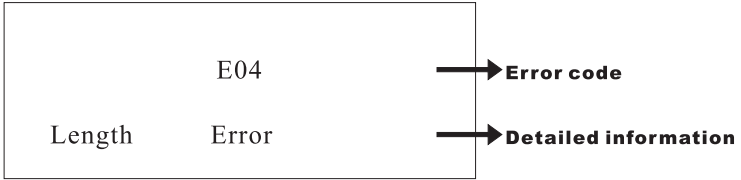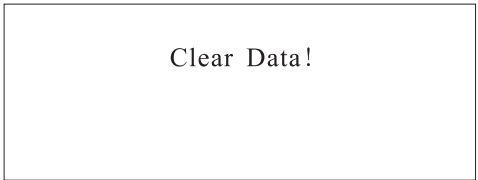
When checking the notes detection record, it is possible for you to press STA key continuously to display records for different currencies by turns. Refer to the following figure.

```
   EUR                        ──▶ Currency name

   Pcs:                 15     ──▶ Total number

   Total:             1500     ──▶ Total value
```

```
     5:     1        10:      5
    20:     6        50:     20
   100:     8       200:      5
   500:     3
```

Denomination   Denomination
         Sheet   Sheet

Press CUR key for 2 seconds to clear records. "Clear Data!" Will display for 3 seconds (refer to the following figure).

```
   ┌──────────────────────────────┐
   │                              │
   │        Clear Data!           │
   │                              │
   │                              │
   └──────────────────────────────┘
```

When checking the record, if feeding notes or pressing any key except the STA key, the detector will automatically exit the report mode.

Print Reports

If the printer is connected to the detector,after detecting the notes, press STA key for 2 seconds, "Print . . . . " will be displayed on the display window and the report will be printed.After finish printing, the detector will return to ready status. If the serial number identification function is available, the serial number will be printed at the same time.

```
↑                    ▀█▌
        Print...

USD         EUR        GBP
```
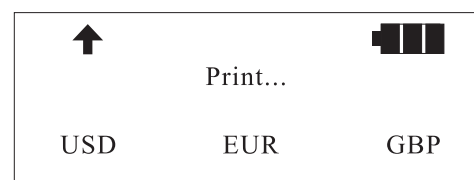
Select Direction

Press DIR key to change the real notes to exit direction. The direction will be showed on the upper left corner of the display window. "↑" means the real note will go out from the exit and "↓" means the real notes will go out from the feeder.

```
Notes exit direction ←  ↑          ▀█▌
                          Ready

                  USD      EUR      GBP
```
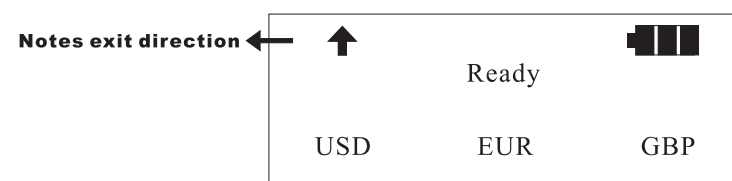
Select Currencies

The default currencies to be detected of the detector are EUR and USD, and other currencies are selectable. In ready status, press CUR for 2 seconds, the detector will automatically enter currency selecting mode and display the list of available currencies, the cursor and the selected currency. Refer to the following figure.

```
GBP   RUB
CHF   ZAR
BRA   RMB
                         GBP →  currency selected

available currencies
              cursor used to select
```
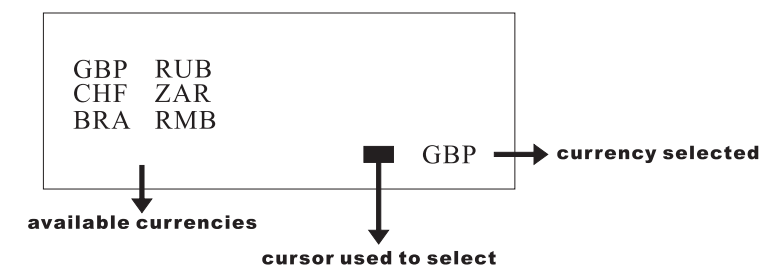
In this mode, the currencies to be selected are on the left and the currency selected is on the right. The cursor is flashing. Press CUR key, the currencies will be displayed in the currency selecting area by turns. After confirming the currency to be detected, press CUR key for 2 seconds to save current setting and exit the currency selecting mode. Press the STA key to exit the currency selecting mode without saving the current setting.

Sleep Mode

When the detector is idle for more than 5 minutes, the detector will enter the sleep mode. The power indicator is light; the LCD is turned off. When pressing power key or feeding notes, the detector will automatically wake up.

Battery Information

The battery status symbol is displayed on the upper right corner of the display window. A solid symbol means the battery is full and an empty symbol means the battery is insufficient. If the symbol is flashing and changing from solid to empty, it means the battery is being charged. When the battery is poor, "Low Battery" will be displayed. It means the battery is too low, the detector will automatically turn off. If the detector doesn't have the built-in battery, the battery status symbol will not be displayed.

```
┌─────────────────────────────┐
│  ↑                    ▣▮▮▮   │
│           Reday             │
│                             │
│  USD      EUR        GBP    │
└─────────────────────────────┘
```

If any error is detected, detailed error information would be displayed as the following figure. For detailed information, please refer to the self test error code.

```
┌─────────────────────────────┐
│  ↑                    ▣▮▮▮   │
│            F24              │
│                             │
│  USD      EUR        GBP    │
└─────────────────────────────┘
```

4. Move the adjusting slider to a suitable position according to the width of notes.

5. Press the power key for 2 seconds and the detector will be turned off.

Operation

Insert the notes into the feeder and the detector will automatically detect the notes. If the notes are real, both the symbol and the value will be showed (refer to the following figure) and the notes will go out in the selected direction.

```
┌────────────────────────┐
│   USD  100             │──▶ Currency name and denomination
│                        │
│  PCS:            15    │──▶ Total number
│                        │
│  TOTAL:         1500   │──▶ Total value
└────────────────────────┘
```

If any note is suspicious or counterfeit, the buzzer will ring 3 times, the corresponding error code and detailed information will be displayed (see the figure below), and the note will return from the feeder. After 5 seconds, the detector will return to the ready status. For detailed information, please refer to the detective error code.

3. Use cotton and alcohol to regularly clean the dust on all the sensors and rubber belts. To protect the sensor surface from damage, do not touch the surface with any sharp or hard object.

4. Do not disassemble the detector.

Self Test Error Code

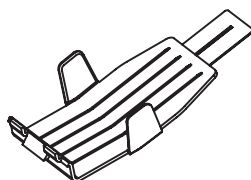| Code	Description
F01	Error of the upper left infrared sensor
F02	Error of upper left red spectrum sensor
F03	Error of upper left blue spectrum sensor
F04	Error of the upper middle infrared sensor
F05	Error of the upper right red spectrum sensor
F06	Error of the upper right blue spectrum sensor
F07	Error of the upper right infrared sensor
F08	Error of the lower left infrared sensor
F09	Error of the lower left red spectrum sensor
F10	Error of the lower left blue spectrum sensor
F11	Error of the lower middle infrared sensor
F12	Error of the lower right red spectrum sensor
F13	Error of the lower right blue spectrum sensor
F14	Error of the lower right infrared sensor
F15	Error of the magnetic head senor 1

Features

- Detect the following 8 currencies at the same time:
  EUR, USD, GBP, CHF, SUR, ZAR, BRC, KZT, HKD, AUD, CNY, CAD, UAH, HRK, MYR, TRL, AED,etc.
- Euro notes can be fed on any position and any sides.other notes can be fed on any sides near right edge.
- The exit direction of notes is selectable.
- Reporting and printing functions.
- Serial number identification and print functions are optional.
- Built-in rechargeable battery is optional.
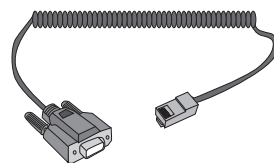- Easy software upgrade and maintenance.

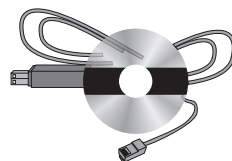## List of Accessories
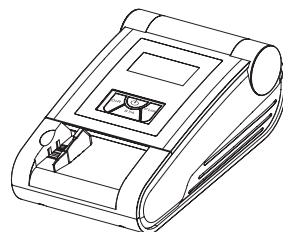
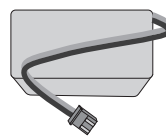Detector   Receiving plate   User manual
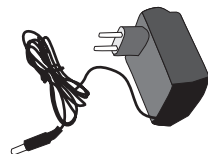
AC/DC power adapter   RS-232 Download cable (optional)

The USB download cable（optional）   Rechargeable battery (optional)

Code	Description
E06	SPECTRUM ERROR
E07	THREADMAG ERROR
E08	INKMAG ERROR
E09	MAG ENERGY ERROR
E10	THICKNESS ERROR
E11	PASS ERROR
E12	SLANT ERROR

Technical Specification

1. Detection features: magnetism, infrared, image, spectrum, length, thickness
2. Dimensions: 220x140x90 (mm)
3. Power supply: AC100V~240V 50/60Hz or DC12V/1.5A
4. Operating temperature: 0~40℃
5. Storage temperature: -20~65℃
6. Battery: rechargeable lithium battery 10.8V/1000mAH
7. Power consumption: <10W
8. Speed: <0.5second/sheet
9. Weight: 1.05kg

If the machine has some faults that you can't solve, please contact the Technical Support Dept of our company or our agent for services.

Products subject to change without further notice.