

USER MANUAL

Introduction

Thank you for having purchased our banknote detector .It is the smallest automatic and portable detector all over the world. The compact design make it easily to be carried without any burden. You can use the machine as a desktop detector. You can also carry the machine in the waistband. You can also hang the machine on the shoulder. The machine can operate with a 100-240 volt power supply, by AC adapter. The machine can also operate with the rechargeable battery. As an option, car cable is available. It can work anytime and anywhere. This device is a reliable, easy operated banknote detector. 100% approved by ECB(European Central Bank). It recognizes counterfeit banknotes from genuine ones.

It can automatically detect Euro or a second banknote(the second banknote can be the following: Poland banknote, Romania banknote etc. which have Infra Red features).

Features

- Banknote can be read in any side and any location .
- Select exit-direction of banknotes from front or rear.
- Update via COM interface or USB.
- Display total value of each currency
- Display number of Sheets of banknotes
- Select currency-direction of detecting currency
- Indicator LED for exit-direction and currency-direction
- Rechargeable battery cells inside for portable usage

Specification

- Test features: Infra Red,Magnetic Ink,Magnetic Code,2D Size Recognition,paper transparency
- AC Supply Voltage: AC100V~240V 50/60Hz
- DC Supply Voltage: DC 9V/1A
- Battery: Rechargeable Lithium Battery 7.4V/700mAH
- Charging time: Approx.6 hours
- Approximate running time: 1 hours (continuous service)
- Power Consumption: <10 W
- Speed: <0.5 second/sheet
- Weight: 0.34Kg
- Operating temperature: 0~45℃
- Storage temperature: -10~65℃
- Dimension: 124*100*69 MM

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1. **Number of Sheets Display**
2. **Total Value Display**
3. **Power On/Off Button**
4. **Display Mode(ADD or DEN)**
5. **Entrance**
6. **Pull Up Here To Open the Upper Cover**
7. **Exit Direction**
To Clear Press Button Longer
8. **Ring For Hang**
9. **Switch Of Battery**
10. **Updatable Socket**
11. **Reverse Exit For Tested Banknotes**
12. **DC Input**




Operation

Power Supply

Working with AC/DC adapter:

1. Connect the DC output plug into the DC socket at back of the machine;
2. Insert the adapter into the mains (220V/110V);
3. The machine will automatically turn on;
4. By pressing  Key and hold on for about 3 seconds, with 1 beep , user can turn off the machine.

Working with built-in battery:

1. Firstly please make the switch from " OFF" to " ON"
2. By pressing  Key and hold on for about 3 seconds when the machine is power off, with 1 beep, user can turn on the machine.
3. By pressing  Key and hold on for about 3 seconds when the machine is power on, with 1 beep, user can turn off the machine .
4. Sleeping(Power Saving) Mode
When the machine is worked only with built-in battery, it will enter sleeping mode after 5 minutes of idle in order to save power. The machine can be waken up and return to working mode by touching the  key.

Direction of exit of the banknotes

Press the button "**CLEAR**" shorter time(just touch it), with 1 beep,you can change the exit direction for genuine notes to the front or the rear. the LED shows "bac" or"for".

Detecting Data Clearing

Press the "**CLEAR**" key and hold for about 2 seconds, with 1beep given the Number of sheets and total value can be reset to zero.

Select Denomination Or Value

Press the"**ADD/DEN**" Key, LED shows "Add", When the machine detects an insertion of a banknote in entrance

On the top,show the quantiv.

At the bottom,show total value.

Press the"**ADD/DEN**" Key again, LED shows "den", When the machine detects an insertion of a banknote in entrance

On the top,show the quantiv.,

At the bottom,show the denomination.

Update software

Press the button "**CLEAR**"and"**ADD/DEN**" simultaneity , then put the AC adapter plug in the socket at the back of machine to update software.

Assemble and disassemble of waistband buckle.

1. Please pay attention to the correct direction.
2. Put in according to the direction of arrow.
3. Pull the buckle with the thumb, Put out according to the direction of arrow.



Correct Direction



Put in



Put out

Error messages

When the machine detects an insertion of a banknote in entrance, it will automatically start the motor and begin a detecting procedure. If a note should be indicated as suspect, for confirmation turn the note over and feed again into the machine. When the machine does not accept a note, it will be rejected and exit from the entrance with 3 beeps. And for a brief time, the corresponding alarm code will be displayed as following:

E1	Length error(2D test)
E4/E5	Infra Red error
E6/E7/E8	Paper intensity(possibly folded or double notes)
CH	Rechargeable battery is fully charged
LO	Low battery,battery has to be charged

Caution

Please insert banknotes one by one, straight and not folded. If a banknote gets stuck please switch OFF the machine. Then raise the upper cover with display by putting your thumb into the entrance and move the cover to the back. Remove the banknote and shut the cover till you hear a click. Ensure that the power cable under the cover is not jammed between the cover and the base.

90% of the errors arise out of not cleaning the entrance space and the sensors between the cover and the base. This part must be cleaned by brush at least once a month. Do not use aggressive cleaning products!