

**PASSBAO**™

User 's Manual V2.0

Model: OB-P8118



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## 0. Disclaimer

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# **PASSBAO**

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The user's manual of the product should be interconnected with UL 60950-1 listed equipment.

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## Disclaimer

FCC ID:W3WOBP8118



FCC



changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

### REMINDING

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

### NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## 1. Overview

**Thank you for choosing PASSBAO products.**

For safety concerns and for continuous proper functioning of the equipment, please read the important safety advices carefully before you start to use the product. Any changes to the product design and specification will NOT be further notified.



In order to guarantee transaction security, please charge the battery once every 30 days for at least 10 hours each time. If you fail to charge the battery for one month on end, you risk the loss of all important security data stored inside the machine, in which case you will have to contact the local after-sales service provider.

## 1.1 Safety Advices



### **Power-On**

Do NOT turn on the equipment where the use of wireless equipments is forbidden or where the use of the equipment may cause disturbance or hazards.



### **Disturbance**

All wireless equipments may be affected by disturbance, whereby the performance of the equipment may be impaired.



### **Do NOT use near the site of demolition by explosives**

Abide by relevant restrictions and refrain from using the equipment where demolition by explosive is underway.



### **Proper Use**

The equipment shall only be used in positions as specified in the User's Manual. Do NOT touch the antenna unless the situation otherwise requires.



### **Use Qualified Maintenance Service Only**

The equipment shall be installed or repaired only by qualified maintenance service providers.



### **Spare Parts**

Use recognized spare parts only. Do NOT connect to incompatible products.



### **Water Resistance**

This equipment is not water resistant and shall therefore be kept dry.



### **Connecting to Other Equipments**

Please refer to the relevant paragraphs of the User's Manual for more detailed safety advices when connecting to other equipments. Do NOT connect to incompatible products.






## About Your Equipment

Please abide by the laws, regulations and local conventions and respect people's privacy and other lawful rights (including copyrights) while using the functions of this equipment.

You may not copy, alter, transmit or forward some of the contents under copyright protection.

This equipment supports USB connection among other connection options. Please consider the installation, application and update of anti-virus software on this equipment and any computers to which this equipment is connected, although the equipment itself is built on reliable security mechanism.

 **Caution:** You must power on before using the functions of this equipment. Do NOT turn on the equipment where the use of the equipment may cause disturbance or hazards.

**The images shown herein may differ from the actual screen display of the equipment.**

 **Accessories**

**Caution:** Use only the parts and accessories that are recognized by Onbest as suitable for this specific model. Using other parts and accessories may violate product recognition and warranty terms or even cause danger to users.

## 1.2 Other Safety Reminders

### **Children**

Children must not be allowed to play with the equipment or any of its accessories. Inappropriate handling may damage the equipment or accessories and do harm to the children or others. The equipment or any of its accessories may also contain small pieces that stand a risk of being swallowed by children causing life-threatening situations and shall therefore be kept away from children.

### **Environment**

This equipment conforms to the requirements of relevant radiation standards.

### **Automatic Data Destruction**

This equipment applies a number of security measures to prevent unauthorized access to customer data. Unauthorized dismantling of the equipment will trigger automatic destruction of all saved data. Please do not attempt to dismantle or open the equipment by yourself.

### **Protection of Screen**

The capacitive touch screen is hand-operable. Operation with fingernail, fountain pen, ball pen, pencil may damage the screen.

Please wipe the surface of the screen with clean, soft and dry fabric to get rid of dust and dirt which may leave scratches on the screen while writing.

The LCD panel is made of glass. Please avoid dropping, pressing against the LCD or other forms of damage due to improper use.

### **A Magnetic Product**

This product is magnetic. Please do NOT place this product anywhere near other products with a magnetic design to avoid demagnetization and consequential malfunctioning.

## 2. Product Overview

### 2.1 General Functions

PASSBAO OB-P8118 is a safe and easy-to-use hand-held financial equipment which enables financial transactions using various bank cards, including debit cards and credit cards. It can further support all types of IC cards and magnetic cards through software upgrade.

A revolutionary improvement on the traditional transaction model whereby the bankers control the transaction terminals and customers wait in lines, this equipment with a slim and fashionable design can be carried around, granting safe and easy access to financial services covering account inquiry, inter-bank transfers, transactions and financial planning, online shopping, online banking and inter-city consumption, anytime anywhere.

- Bank Card Inquiry
- Bank Card PIN Update
- Bank Card Transfer / Payment
- Bank Card Online Shopping
- PC Compatible
- Export of Transaction Data
- Multiple Online Banking Support
- Financial Planning
- Embedded Secure API, support for re-development by third parties with wide application potential in online banking, B2B and large amount online payment businesses that require the highest security standards.

## 2.2 Security Features

PASSBAO replaces the traditional online transaction model by introducing a brand-new online payment method which helps eliminate the incidence of account break-in due to virus attack as well as other security issues rooted in the banking information key-in process. Steering clear of the PC platform, PASSBAO is built on a special system of data input. The transaction data will be encrypted before they are transmitted to the PC.

- Impeccable Security Mechanism
- Fully Sealed-up Housing Design
- Steering Clear of PC Keyboard, Anti-Screening, Anti-Hacking & Anti-Virus Functions
- Automatic Data Destruction against Unauthorized Information Access
- Random On-Screen Keyboard, Dynamic Digital Mode
- Adjustable Display Contrast to Prevent Peeking
- Encrypted Transmission Technology & Single Line Connection to Bank Account
- Multiple Account Verification Mechanism to Avoid Mistaken Transfer
- Advanced Hardware Encryption Systems (3DES, RSA, SHA-1, etc.)

## 2.3 Packing List

The Pack Includes:

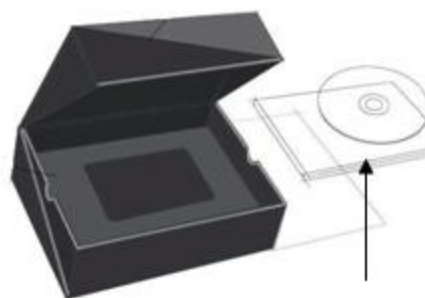
- PASSBAO OB-P8118 (1)
- USB Cable (2)
- Document Pack (2)\*

(\*) Document Pack Includes:

- User's Manual
- Quick Start Guide
- Warranty Card
- CD
- List of Accessories



1



2



## 2.4 Product Exterior



- ① Touch Screen: Capacitive touch screen makes information input and menu selection possible with simple touches.  
LCD: 3.5" High-Resolution Color LCD Screen
- ② Swipe Reader: The swipe reader reads all credit cards, debit cards, business cards and enables transactions.
- ③ Card Slot: The card slot reads all SMART cards and enables transactions.
- ④ USB Port: The port is for connecting OB-P8118 to PC using a 5pin USB cable.
- ⑤ USB Cable: OB-P8118 is connectable to PC via the USB cable.

## 3. Connection



### Connection of OB-P8118 and PC

- 1) Connect plug B (smaller) of the USB cable to the USB port on the machine and plug A (larger) to the USB port of the PC. The LCD screen will light up upon connection.
- 2) This equipment can ONLY be powered by the USB port (5V). It can be powered on only when it is connected to PC.
- 3) This equipment will be operable and functioning properly only when it is connected to PC with Internet access.

# PASSBAO

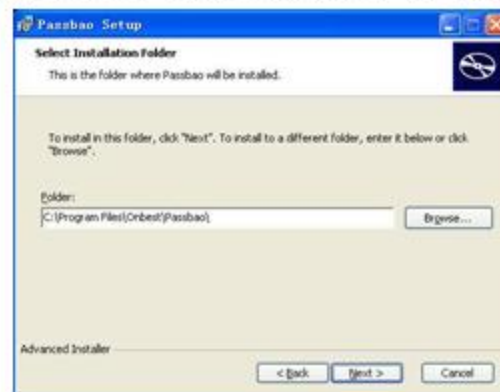
## 4、Software Installation

**Operation Systems: Windows 2000/XP/vista**

Insert the PASSBAO product CD, click on or install the “PASSBAO.msi” file and follow the Setup Wizard:

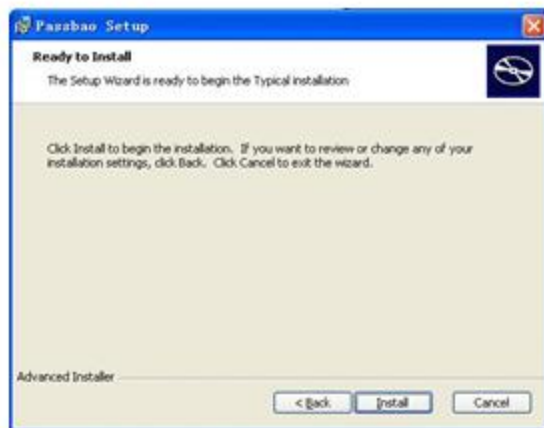


1. Proceed to the next step by pressing the “Next” button: (The program will be installed in C: by default and users are not required to change the folder path.)

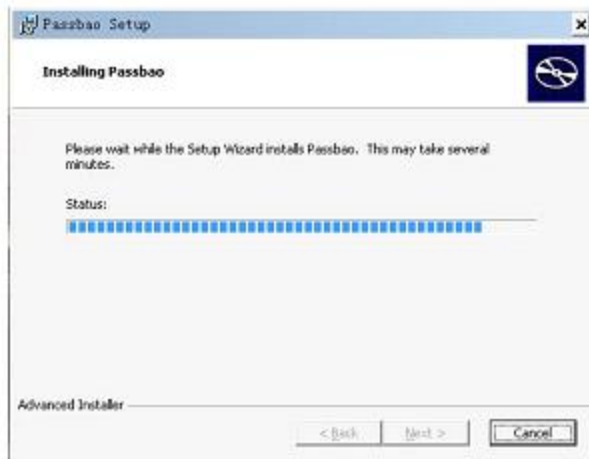


# PASSBAO

2. Proceed to the next step by pressing the “Next” button:



3. Press the “Install” button to start installation:



# PASSBAO

4. Press the "Finish" button to generate "PASSBAO.exe" file and other program files under C:\Program Files\Onbest\PASSBAO as follows:





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## 5. User's Guide

### 5.1 Power-on


1. **Equipment Start-up:** Connect the equipment to PC using the USB cable, launch the PASSBAO.exe program and make sure PASSBAO has proper access to the Internet. The company LOGO will be displayed on the screen upon start-up.





2. **Password Verification upon Start-up:** Enter password in the log-in screen:



# PASSBAO

Press  to activate the on-screen keyboard with which you can enter the system start-up password (mainly for the purpose of checking Internet availability and connectivity between PASSBAO and PC, Initial Password: 123456).



On the screen:  for backspace and press  to confirm your input.

- A. If the password is correct, connection status will be shown on the screen;
- B. The system will halt after three unsuccessful password attempts, in which case you will be required to disconnect the USB cable from PC and then reconnect to PC.

## 5.2 Using your terminal

- 1、PASSBAO terminal software will be configured to support the following transaction types: E-Trans, ATM, POSales and Setting.



A、Lock

B、Connection

C、Power off



Wrong Password, re-enter



If the customer keys in the wrong password third times, entering an incorrect password again will close PASSBAO and the customer has to restart it.



## 5.3 E-trans

E-trans supports the following transaction types: E-transaction and History.



Note:

A Home: back to main menu

B Continue”: go to next step

C Help

### 5.3.1 E-transaction

Click “Transaction” button, go to network connection and check if PASSBAO is connected with PC, shown as follows:



# PASSBAO



A、 Network connection failed ! Click “Home” or “Continue”button, back to main menu, or wait for 3 seconds, the system will automatically return to main menu.



# PASSBAO

B、 Network connection succeeded! Purchase price will be shown on the screen, click Yes goes to next step; click no, system returns to main menu.



# PASSBAO

- C、 Please swipe or enter card or account number, and click “Continue” to next step.



- D、 Please enter card expiration date (for example, if the expiration date is Oct.2009, please enter 1009) and click “Continue” to next step.

# PASSBAO



E、 Please enter CSC (Card Security Code). This is a 3 digit number located on the back of the card on the right hand side of the signature strip and click “Continue” to next step.



F、 Please enter PIN and click “Continue” to next step.





G、Transaction confirmation shown as below.



H、Declined or Time out shown as below. Please click “Home” or “Continue” and return to main menu.



## 5.3.2 History

A、 Please enter the Reference # and click “Continue” to go to next step.



The screenshot shows a green-themed interface with a date and time display at the top right (2009/3/12 12:45). The main text reads "Please enter Ref No. :". Below this is a white text input field and a small icon of a handheld device. At the bottom, there are three green buttons labeled "Home", "E-Trans History", and "Continue".

B、 Transaction confirmation shown as below. Click “Home” or “Continue” to return to main menu.



The screenshot shows the same green-themed interface as before, but with a confirmation dialog box overlaid. The dialog box has a green checkmark icon and the title "Trans Confirmation". It contains the following text:

- Date: 03122009
- Amount Paid: \$3000.00
- Account: \*\*\*\*\*8672
- Paid Thru: MasterCard
- Status : Approved
- Ref No. : 111112

At the bottom of the dialog box are three green buttons labeled "Home", "E-Trans History", and "Continue".

## 5.4 ATM

ATM supports the following transaction types: Reset PIN, Balance Inquiry, Transfer, History.



Note:

A Home: back to main menu

B Continue": go to next step

C Help

### 5.4.1 ATM PIN Change

A、 Please insert, swipe or enter card/account #, click "Continue" to go to next step.

# PASSBAO



B、 Please enter current PIN and click “Continue” to next step



# PASSBAO

C、 Please enter new PIN and click “Continue” to next step.



D、 Please re-enter new PIN and click “Continue” to next step.





# PASSBAO

E、PIN change completed! Click "Home" or "Continue" to main menu.



## 5.4.2 ATM Balance Inquiry

A、Please insert, swipe or enter card/account # and click "Continue" to next step.

# PASSBAO



B、Please enter PIN and click “Continue” to next step.



C、 Balance Inquiry information. Click “Home” or “Continue” to main menu



## 5.4.3 ATM Transfer

A、 Please insert, swipe or enter Transferring card/account #, click “Continue” to next step.

# PASSBAO



B、 Please enter PIN of Transferring Card and click “Continue” to next step.



# PASSBAO

C、 Please insert, swipe or enter Receiving Card/account number and click “Continue” to next step.



D、 Please insert, swipe or enter again Receiving Card/account number and click “Continue” to next step.





# PASSBAO

E、 Please enter the amount to be transferred and click “Continue” to next step.



F、 Transfer Confirmation. Click “Home” or “Continue” to main menu.



## 5.4.4 ATM History

A、 Please enter Ref No. and click “Continue” to next step.



B、 Transfer Confirmation. Click “Home” or “Continue” to main menu.



## 5.5 POS

POS supports the following transaction types: POSales, Refund and History.



Note:

A Home: back to main menu

B Continue”: go to next step

C Help

### 5.5.1 POSales

A、 Please enter transaction amount and click “Continue” to next step.

# PASSBAO



B、 Please insert, swipe or enter card or account #, and click “continue” to next step.



# PASSBAO

C、 Please enter card expiration date (for example, if the expiration date is Oct. 2009, enter 1009) and click “Continue” to next step.



2009/3/12 12:45

Please enter card  
Expiration Date (MMYY):



Home POSales Continue

D、 Transaction Confirmation. Click “Home” or “Continue” to main menu.



2009/3/12 12:45

✓ Trans Confirmation

Date: 03122009  
Amount Paid: \$3000.00  
Account: \*\*\*\*\*8672  
Paid Thru: MasterCard  
Status : Approved  
Ref No. : 111112

Home POSales Continue



## 5.5.2 POS Refund

A、 Please enter Ref. No and click “Continue” to next step.



B、 Click “Home” or “Continue to next step.



## 5.5.3 POS History

A、 Please enter Ref. No. and click “Continue” to next step.



B、 Transaction Confirmation. Click “Home” or “Continue” to main menu.



# PASSBAO

## 5.6 Setting

Setting supports the following functions: Password change, Date& Time Change, Background Light Adjust, Sound, Network connection and Default Setting.



Note:

A Home: back to main menu

B Continue": go to next step

C Help

### 5.6.1 Password change

- Enter the current password.
- Enter the new password.
- Re-enter the new password.

## 5.6.2 Date & Time



## 5.6.3 Background Lighting



# PASSBAO

## 5.6.4 Sound setting



## 5.6.5 Network Connection

# PASSBAO



## 5.6.6 Default Setting





## 6. Maintenance

The equipment employs excellent design and delicate techniques and shall be used with care. The following tips will help achieve the maximum efficiency and performance of the equipment.

- Keep the equipment dry and free from direct contact with rain, moisture and fluid, which may contain minerals that erode the electric circuits.
- Do NOT use or leave the equipment in dusty or filthy places, which may damage the swipe reader or the LCD screen.
- Do NOT use the equipment in or anywhere near a strong magnetic field or else you may risk equipment breakdown.
- Do NOT leave the equipment in high temperature, which may shorten the life time of its electronic components, damage build-in battery or cause plastic parts to deform or melt.
- Do NOT leave the equipment in a cold environment otherwise the electric circuit boards may be damaged by the gathering moisture when the equipment returns to normal temperature.
- Please follow the instructions in the User's Manual and do NOT try to dismantle the equipment, otherwise you may risk the malfunctioning of the equipment.
- Do NOT toss, strike or shake the equipment. Rough handling may cause damage to the internal electric circuit boards and other sophisticated structures.
- Do NOT apply strong chemicals, cleansers or detergents to the equipment.
- Do NOT spread and wipe paint over the equipment, which may clog the slots and cause malfunctioning.
- Wipe the screen with clean, dry and soft fabric only.

The above tips are equally applicable to the spare parts of the equipment. If the equipment malfunctions, please send it to the nearest authorized service center for maintenance and repair.

## 7. Product Specifications

Name	Specifications
CPU	32-bit RISC processor
Primary Frequency	192MHZ
Memory	32M SDRAM; 16M Flash
USB 2.0	USB-powered (5V); Mini-USB port; PC Connectable; System Extension Support; Dock Connectable
Screen	3.5" large color screen; sensible touch screen; adjustable display contrast
Swipe Reader	Triple-track magnetic card reader; build-in magnetic track; thin magnetic head, side magnetic stripe
Slot Reader	ISO7816 Card Reader
Security	Anti-Data Theft; Automatic Data Destruction; Build-in Advanced Encryption Systems (3DES, RSA, SHA-1, etc.)
Ambient	Working Temperature: -15~55℃ Storage Temperature: 10-30℃ Humidity: 5%-60%RH
Dimensions	Length: 128.5mm Width: 87.8mm Thickness:29.5mm
Weight	219g

# PASSBAO

*Notes:*

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