

REV	DESCRIPTION	DATE	NUMBER
3.0	内容不变, 只改变排序	20120605	



Instruction

3

- 1) Power ON/OFF Card Reader
Power ON: Card reader will be automatically powered on after power cable is plugged into other device, which has been turned on.
Power OFF: Card reader will be automatically powered off after power cable is unplugged from the device.
- 2) Contactless IC card
Put contactless IC card right above the Contactless IC Card Sensing Area for 0.5 second, and the sensing distance between the card and the reader is recommended to be less than 4 cm.

Specifications

4

Default	
CPU:	32-bit, ARM9
Memory:	4MB FLASH, 8MB SDRAM
LED Indicator:	4 (Red, Yellow, Blue, Green)
RF:	Maximum effective distance up to 4cm, compatible with ISO/IEC 14443 Type A / B, ISO 18092, Mifare®
SAM slots:	2, ISO7816
Speaker:	1
Peripheral Port:	1 RS232 Port
Working Environment	Temperature: 0°C ~ 50°C (32°F ~ 122°F)

7

Storage Environment	R.H.: 5% ~ 90% (non-condense) Temperature: -20°C ~ 70°C (-4°F ~ 158°F)
Dimensions:	R.H.: 0% ~ 95% (non-condense) Reader: 137mmX88mmX28mm (L×W×H) Base: 115mmX80mmX55mm (L×W×H)
Weight:	290g

Optional	
LCD Display	(128 × 64 pixel, 4 lines of display)
Keys:	4 ATM-style keys
USB:	1 Device, USB1.1
External power supply:	DC5V 1A

Usage Tips

5

- 1) Please make sure that card reader is working under specified range of voltage, which is not too high and not too low.
- 2) Correctly connect the contactless card reader with other devices.
- 3) Do not damage the power cable. If power cable is damaged, please stop using the contactless card reader.
- 4) Do not expose the read in sunshine, or in humid, hot, dusty or corrosive environment.
- 5) Keep the terminal away from liquid material.
- 6) If the contactless card reader is defective, please contact professional POS repair technicians.

8



FCC Regulations:

6

- 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.
- This device 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 radiated 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.

9



R50 Contactless Card Terminal User Manual



PAX TECHNOLOGY LIMITED

10

PAX TECHNOLOGY LIMITED reserves the right to change product technology specifications without notifying.



PAX TECHNOLOGY LIMITED
Room 2416, 24/F., Sun Hung Kai Centre, 30 Harbour Road, Wanchai, Hong Kong
Tel: +852-2588 8808 Fax: +852-2802 3300
E-mail: daniel@pax.com.hk
Website: www.pax.com.hk

说明:

1. 说明书采用折叠式, 折叠后的尺寸是: 130X85mm;
2. 纸张、油墨符合环保标准;
3. 材料采用120g书纸。

TOLERANCE TABLE FOR UNTOLERANCED DIMENSIONS		Designed by	Title/Name	Part no	20031200000096	
DIMENSIONS	TOLERANCE	Checked by	R50增强版英文产品说明书	Model no	R50	
0.00 To 25.00	±0.10	Confirmed by	Material/Color	Marker		
25.01 To 50.00	±0.15	Product	General Wall Thickness	Scale	1 : 1	Weight/g
50.01 To 100.00	±0.20	Standardization	PAX Computer Technology (SHENZHEN) Co., Ltd.	Unit	mm	
100.00 AND ABOVE	±0.30	Approved by		Size		Sheet 1 Of 2
ANGLES	±1.00°					

REV	DESCRIPTION	DATE	NUMBER
3.0	内容不变，只改变排序	20120605	

Preface

Thank you for purchasing R50 contactless reader. A stylish, high performance and secure contactless reader belongs to you.

This manual is a basic installation guide. In order to achieve maximum performance and ensure proper operation of R50, carefully read all the instructions in this manual.

Note

The figures used in this manual are only for purpose of illustration. The models of reader may differ. The design may vary according to specific requirements of countries or customers. Although the operation of R50 depends on different applications, but the basic steps of installation are the same.

Safety Precautions

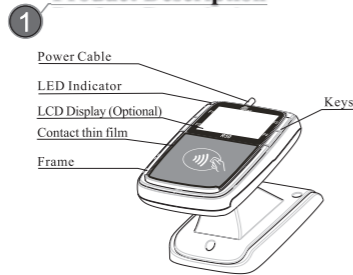
To use R50 and external device, the following safety precautions should be implemented to prevent fire, electric shock or damage to instrument and equipment or injury to personnel.

- Read all warning and instruction labels carefully.
- Disconnect all cables and power supplies before cleaning.
- Use a soft, wet cloth or brush to remove stains from instrument. Do not use liquid or spray directly.
- Avoid any liquid splashes.

1

- Place the instrument in a stable surface to prevent damage from falling.
- Do not put any objects into SAM slot.
- Do not repair, modify or disassemble by other than factory-approved personnel to prevent electric shock or damage to instrument and equipment.
- Do not use R50 in an environment with explosion hazard, such as the locations close to the storage or hauling unit of fuel or hazardous chemical, or any other places which are required to turn off engine.

Product Description



2



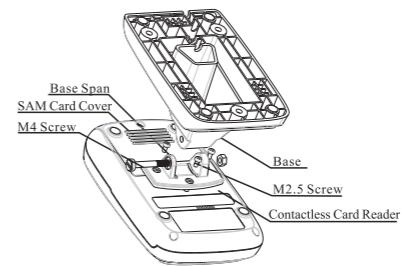
Descriptions:

LED Indicator: Transaction status can be indicated by four different colors, which are blue, yellow, green and red, respectively. User can define and program according to their requirements.
 Keys: 4 ATM style keys;
 Contactless IC Card Sensing Area: Contactless card will be placed right above the sensing area, when the card is being read.
 LCD Display (Optional): 128x64 pixel, LED backlight
 Power Cable: POS terminal will be connected to cash register or PC with power cable.

3

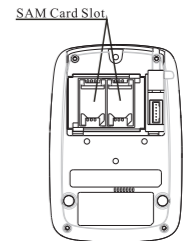
Installation

1) For base installation, please refer to the following figure:

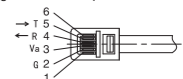


2) For SAM card installation, please refer to the following figure: ① Open up SAM card cover, which is at the bottom of the terminal; ② Put SAM card into corresponding SAM card slot; ③ Put SAM card cover back.

5



3) For power cable connection, insert power cable into corresponding port of other devices, such as cash register or PC. The connector of power cable is 6P4C plug. Following figure shows its pins



CAUTION

- Turn off the power supply before connect or disconnect R50.
- When POS terminal or electronic cash register is processing data, please do not disconnect R50 connection.

6

TOLERANCE TABLE FOR UNTOLERANCED DIMENSIONS		Designed by	Title/Name	Part no	20031200000096	
DIMENSIONS	TOLERANCE	Checked by	R50增强版英文产品说明书	Model no	R50	
0.00 To 25.00	±0.10	Confirmed by	Material/Color	Marker		
25.01 To 50.00	±0.15	Product	General Wall Thickness	Scale	1 : 1	Weight/g
50.01 To 100.00	±0.20	Standardization	PAX Computer Technology (SHENZHEN) Co., Ltd.	Unit	mm	
100.00 AND ABOVE	±0.30	Approved by		Size		Sheet 2 Of 2
ANGLES	±1.00°					