MAXPAD

Manual for POS PDA

Model:MX377

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MAXPAD

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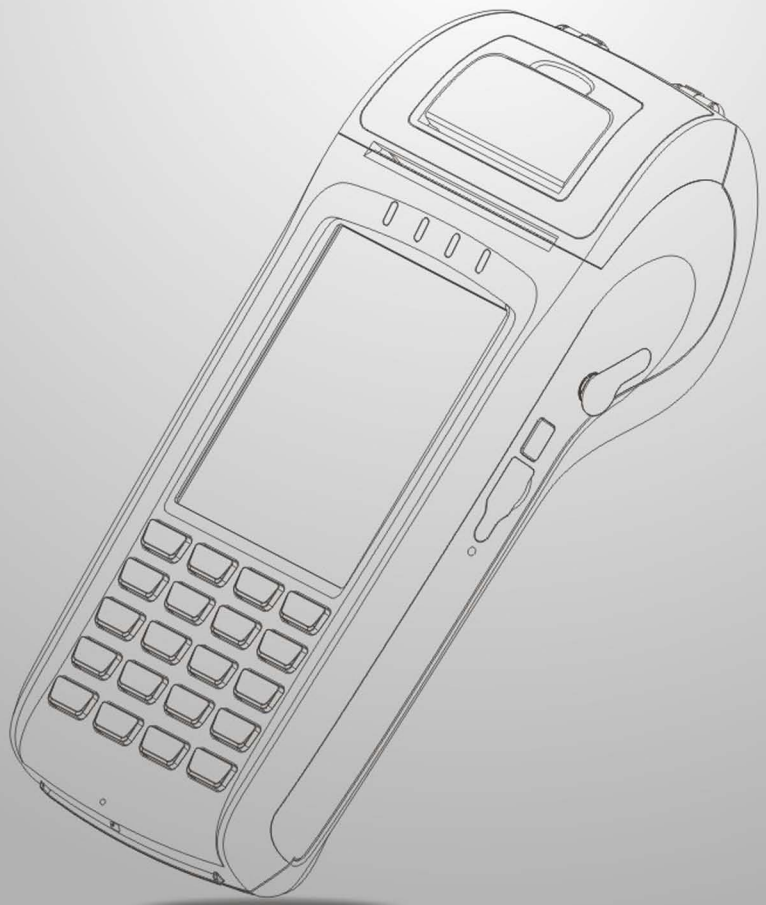


product manual

SHENZHEN MAXPAD COMMUNICATION CO.LTD.

Before using the product,
please carefully read the operating instructions

MAXPAD

NO.1 Specifications

Basic configuration

Features	Description
Processor	TI Cortex A8 AM3715 , 1GHz
Operating System	WinCe6.0/LINUX/Android
Memory , Flash	DDR2 , 2Gb(256M) ; NAND Flash , 4Gb(512M) ; Scalable, with the power-down protection
Display	3.5inch 240×320 Pixels / 262,000 Color,Support touch and stylus input
Key Specification	Alpha & numeric Keys(Total 20 Hardware Keys)
Magnetic Card	Support 1/2/3 tracks at the same time to read, two-way card
IC card reader	one,support in line with ISO 7816, the PBOC 2.0, the EMV specification
SAM card	two slot
Expansion Slot	Mini SD Card Slot
USB	1 USB (OTG) , 1 USB (RS232)
Printer	High Speed, High resolution, thermal printer (Diameter30mm , Width58mm)
Audio	A speaker (mono), 1 microphone
Vibration	support
Power	Rechargeable Battery : DC7.4V/2000mAh Rechargeable batteries , Removable. Power Adapter : Output voltageDC9V/3A ; Input voltage : 100~240V, 50/60Hz
Communication Interface(built-in)	GSM/GPRS ,1 SIM slot
Secure Performance Specification	Built-in PIN Pad, security processors, hardware encryption Operating System VOS Memory , Flash Share Flash Comply with PCI3.0 Online the Offline specification
Physical Specification	Dimension (mm) : 208 (L) x 85.5(W) x 53(D) mm Weight : 500g Operating Temperature : -20°C to 50°C
Package Contents	Host;operating instructions;USB cable;stylus;hand belt;Power adapter;rechargeable battery 1pc

Optional configuration (multiple choice□ single choice◎)

Means of communication	GPRS Communication ◎ CDMA Communication ◎ WCDMA 3G Communication◎TD 3G Communication◎ Bluetooth Communication BT Class2.0-EDR □ WIFI Communication 802.11 a/b/g □
GPS	□
Camera	3 million pixels and above, with flash □
Contactless reader (RF card)	Support ISO 14443A/B/NFC, non-contact EMV □
Bar code scanning	1D bar code ◎ 2D bar code ◎
Optional Accessories	Holster,spare battery, charger, car charger □ Download cable □

MAXPAD

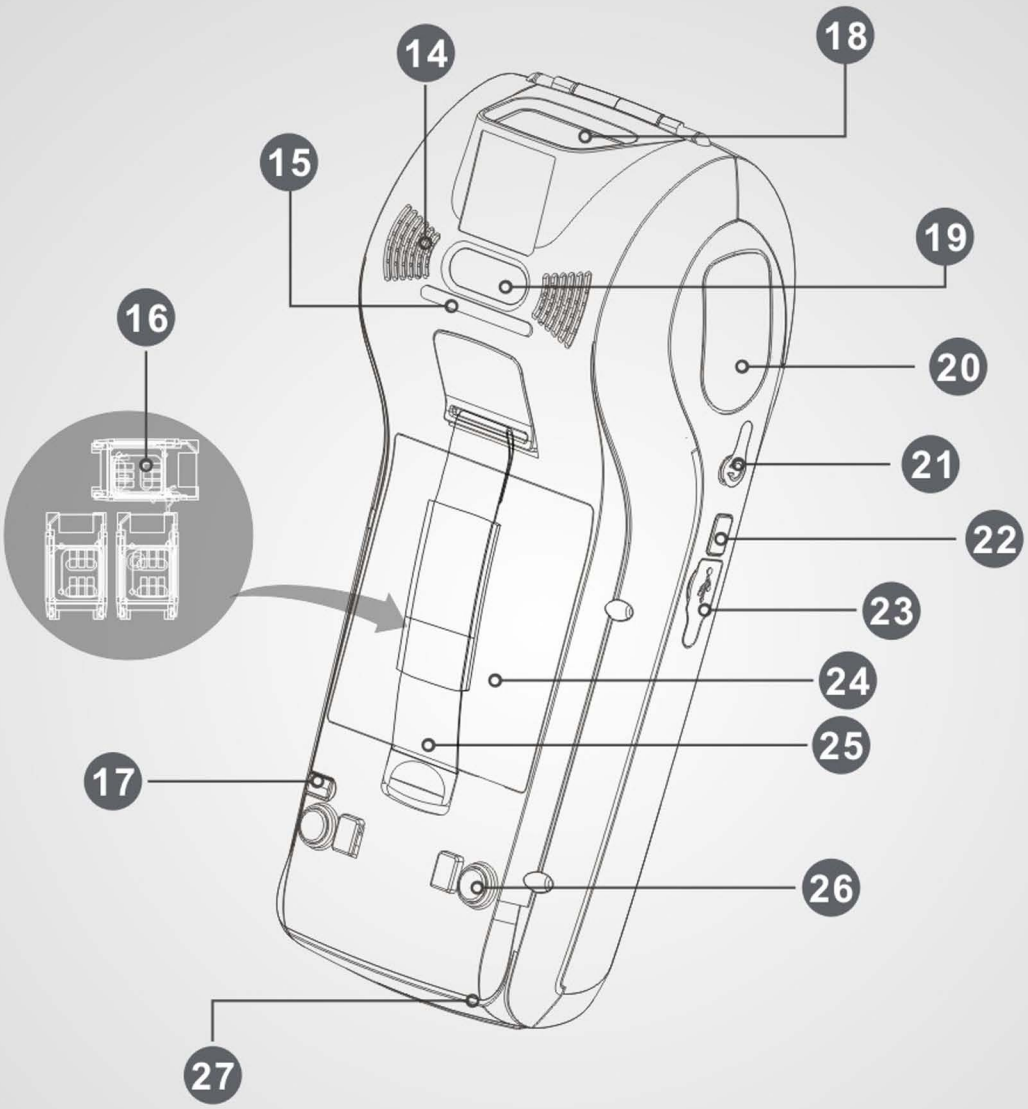
NO.2 Packaging / Packing List

1	MX377 EFT-POS	1 piece	5	Thermal Print Paper	1 roll(optional)
2	Power Adapter	1 piece	6	Rechargeable Battery	1 piece
3	AC Power Cord	1 piece	7	Product Manual	1 piece
4	USB Line	1 piece	8	Q.C.Pass/Warranty Card	1 piece

NO.3 Product Description

Description:

1 R F I D	RFID reading area;
2 Cutter	Cut paper, tear printer paper by tilting at about 45 degrees from left to right along the cutter;
3 Touch Pannel	3.5 inch 240 × 320 pixels / 262,000 color
4 Keypad	Alpha & numeric keys(Total 20 hardware keys)
5 Printer Cover Lever:	Open the Printer Cover;
6 Printer Paper	Thermal paper with 58mm in width and 30 mm diameter;



Description:

7	Printer Cover	The cover is with a pressing shaft. Open it for loading paper, cover it until locked after loading printer paper;
8	Indicating Lamp	Power and working status indication;
9	Power Socket	Power unit (standard:Φ3.5mm DC jack);
10	Function Key	Definable;
11	Serial Port	RS232 port;
12	Reset Switch	Reset;
13	IC Card Slot	IC card front side(with IC)facing up as inserting;
14	Speaker	Audial guidence;
15	Rubber Pad:	Slippery and shock protection(three pads)
16	SAM&SIM Slot	For placing 2 SAM card and 1 SIM card under the battery cover;
17	Stylus Pen	Input by handwriting;
18	Barcode Scanner:	Barcode scanner for 1D or 2D;

19	Camera & Flash	Image recognition&Exposure
20	Fingerprint Sensor	Fingerprint reader (optional);
21	Phone Jack	With the MIC of the 3.5mm standard interface;
22	Function Key	Definable;
23	Micro USB	USB2.0(OTG);
24	Battery Cover	The position of the battery to lock;
25	Wrist Band	Convenient operation and bring;
26	Rubber Pad:	Slippery and shock protection(three pads)
27	Magcard Reader:	The magnetic stripe at the bottom and facing the device support bi-direction card swiping;

NO.4 Instructions And Precautions

Preparation Before Installation

1、Power Supply Outlet 1 piece

2、SIM Card 1 piece

3、Thermal paper with 58mm paper width 1 roll

Power On

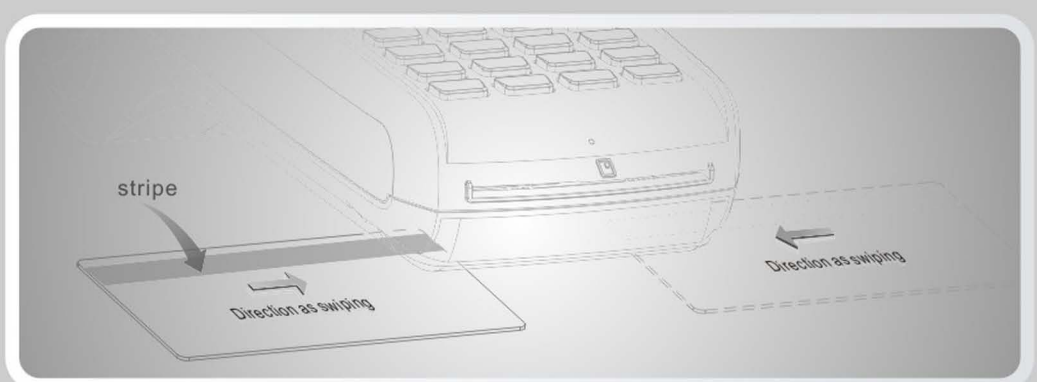
1、Insert the attached power adapter's connector to the DFW377, linked the AC cord between the adapter and AC power supply socke;

2、Press the power key(⏻)until LCD display booting information, system will setup after initialization.

Swiping Card

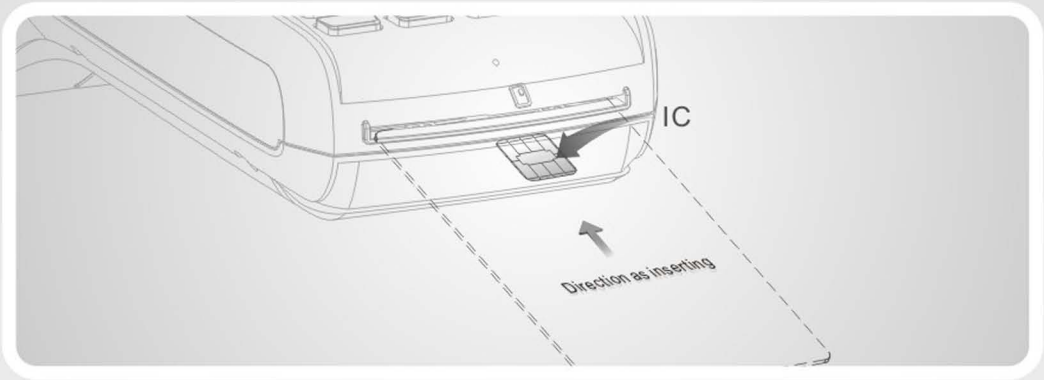
1、Slide the magnetic card at stable speed, with the magnetic strip upward.

2、Bi-directional card swiping is supported;



IC Card Read

1、insert the IC card with the chip upward;



Torn Paper

1、Hand and hold the end of the paper along the cutter from left to right around 45 degrees angle of the direction of the tear, the force should be quickly and evenly.

Installation Of Paper

1、Open the paper bucket lid: Unlock the printer cover(❺) by pulling the lever up;
2、Load the thermal paper after open the printer cover. Please notice the paper come from bottom side;
3、Align the sheet of paper out into the guide slot of the cuter, press the printer cover back until a "click" sound is heard;
4、To avoid a paper jam or damage the printer, please use standard printing paper provided by the bank.

Notice

1、Use an outlet with a fuse;
2、Do not damage the power cord and adapter. They can not be used if damaged;
3、When error occurs, please contact technical support. User's attempting to repair the device is not covered within warranty;
4、Before connecting the AC power cord to a power supply outlet, you should check voltage;
5、Do not insert anything into any of the interface of the device, it will seriously damage the device;
6、Do not place the device in direct sunlight, high temperature, humid or dusty place;
7、 Please stay away from liquids.

NO.5 *The test program instruction*

The test program instruction

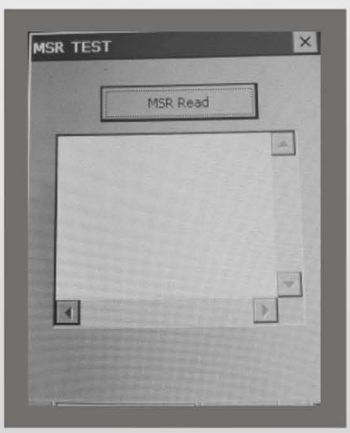
Caution:
The power supply input for this unit is 8.5V and not 12V or 5V. If you want to change to another power supply in place of the one in the package, you need to be cautious and check the output voltage and current.

Content:

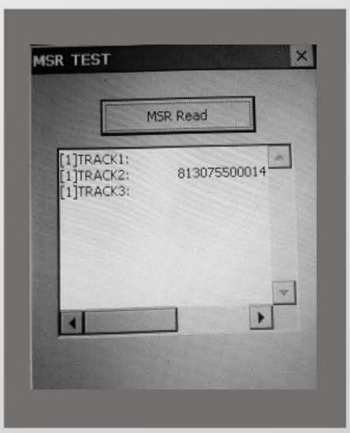
1.MSR test
2.ICC test
3.Print test
4.RIF test
5.Wireless，GPRS or WCDMA test
6.Wifi test
7.Screen test
8.Other functional test
9.Vibration test
10.The one-dimensional bar code test

Double-click the "DFW377_appapi_test.exe"：

1 .MSR test.
Click the MSR button.



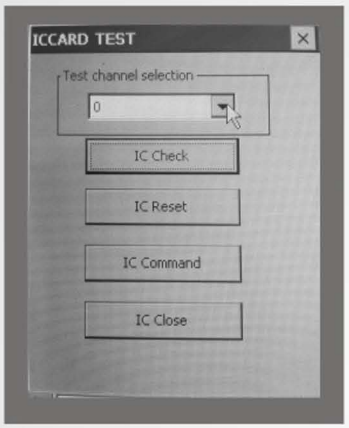
Click on the "MSR Read" and brush the magnetic stripe cards in the card slot.Successfully show：

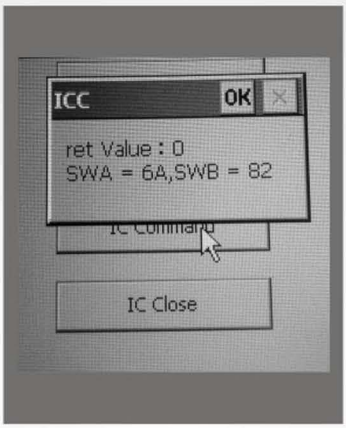


2. ICC test.
Click“ICC”.

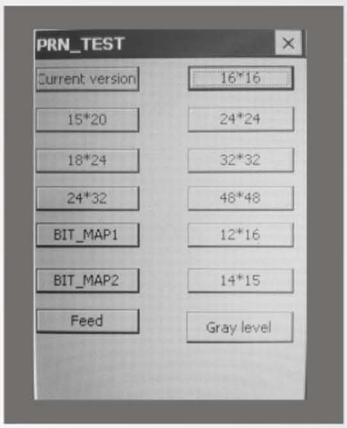
Insert Ic card,if you want to test IC command (Icc Command), click on "Ic Check".You can see the following:

3. Printer test.





As the test described above, the user can see the other effect.

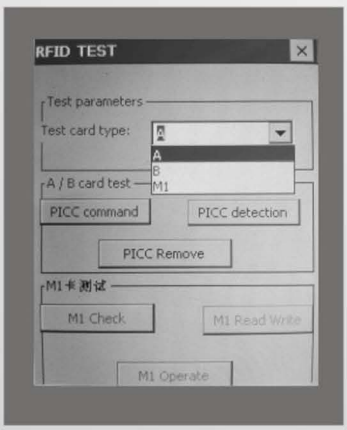


You can see the current version of the NK. Select the appropriate font size print and note that the paper is placed correctly.

4 . RIF test , include A card , B card and M1 card.click the button.

If you want to test M1 function, the first , put M1 on the RF sensing area,Click on the "M1 Check"to check card , if non-access module is hardware or the card is not damaged, you can see the following:

5. Wireless,GPRS or WCDMA test.Click "Auto Dial”, wait for the POS automatically dial.If you have used GPRS or WCDMA capabilities, you need to disconnect in order to continue to use this.



Each of M1 data is stored in the sector.Each sector has its own key .If appear the "Authority M1 Card Err",when you use the "M1 Read the Write", Ilustrate the key authentication is not passed.It is normal.

6. Wifi test.
Firstly click network settings on the taskbar.

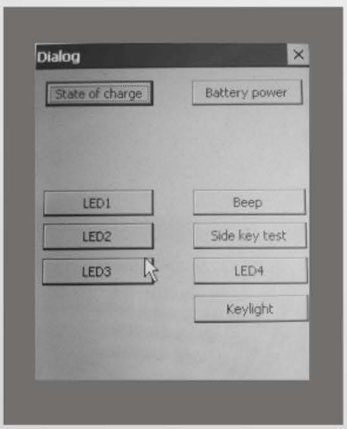
Select "Wireless Info", check the "Notify when new networks avalible" , connected to the network , enter the test program after the following effect appears:

Click on the "power state" and finally the power is turned on again, then you can test the other features, click the button again to turn off wifi power.

7. Screen test.
Test LCD Module.

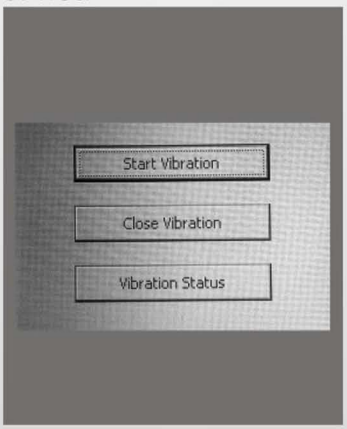
The first one is the lock screen, click the button, the screen will lock and screen automatically unlock after a few seconds.The second is the rotation of the screen, click the screen then itwill rotate 90 degrees.

8. Other functional test.



You can see the results after the click of a button.

9 . Vibration test.
Vibration testing can test motor is working properly or not.



10. The one-dimensional bar code test.

Put the one-dimensional bar code on the location of about 5 cm from the scanning lamp , Screen will be prompted to read the one-dimensional bar code as shown above.

TEXAS INSTRUMENTS