

# MaxComm

## Portable SMS Printer

### User Manual



**This manual contains lots of important information. Please read it before use the equipment.**

## Content

1. Summary .....	3
2. Main technology standard .....	3
3. Fittings .....	4
4. Operation .....	4
4.1 Install SIM Card .....	4
4.2 Install the Printer and paper .....	4
4.3 LCD Introduction .....	4
4.4 Key Board Introduction .....	5
4.5 Number Key .....	6
4.6 Input Method .....	6
5. Basic Operations .....	7
5.1 On-Off the phone .....	7
6 .Menu .....	7
6.1 Phonebook (Optional) .....	7
6.2 Message (Optional) .....	8
6.3 Diverts (Optional) .....	8
6.4 Clock .....	9
6.5 Audio .....	9
6.6 Settings (Optional) .....	9
6.6.1 BizPhone Setting .....	9
6.6.2 User Settings .....	10
6.6.3 Phone Settings .....	10
6.6.4 Security .....	10
6.7 STK Menu (Optional) .....	10
6.8 SMS Order Operation .....	11
7 Appendix .....	12
Appendix A: Safe note .....	12
Appendix B: Notice .....	12
Appendix C: Question and Solution .....	13

# 1. Summary

The Portable SMS Printer is a fixed wireless terminal for telecommunication operators to develop fixed telephone services. It takes the advantages of the wide coverage of mobile communication network and convenient installation to meet the fast increasing requirement of users. The main functions are Airtime Recharging and SMS Printing.

# 2. Main technology standard

NO.	Items	Technology standard
1	Access method	GSM (Global System for Mobile communication)
2	GSM protocol	ETSI GSM Phase 2+
3	Voice encoding	FR、EFR
4	RF receiving frequency	GSM850 869-894MHz E-GSM900 925-960MHz DCS1800 1805-1880MHz PCS1900 1930-1990MHz
5	Receive Sensitivity	-104dbm
6	RF transmit frequency	GSM850 824-849MHz E-GSM900 880-915MHz DCS1800 1710-1785MHz PCS1900 1850-1910MHz
7	Emission output power	GSM850 33 dBm $\pm$ 2 dBm E-GSM900 33 dBm $\pm$ 2 dBm DCS1800 30 dBm $\pm$ 2 dBm PCS1900 30 dBm $\pm$ 2 dBm
8	Antenna Gain	2. 5dbm
9	Work Temperature	-15°C ~ 55°C
10	Paper module	thermal paper (57*50)
11	Printing resolution	8 dots/mm
12	Speed	Maximum 60mm/sec.(480 dot line/sec.)
13	Effective printing area	48mm
14	Number of columns	ANK 32 columns/line
15	Mechanic life	Pulse resistance: 100 million pulses/dot(under our standard conditions); Abrasion resistance: paper traveling distance 50km(print ratio:25% or less)

## 3. Fittings

Main Charge phone	1 set
Antenna	1 piece
Adapter	1 piece
User Manual	1 volume
Thermal paper (57 * 50)	1 volume

## 4. Operation

### 4.1 Install SIM Card

**Attention:** Please switch off the power before install or uninstall SIM Card.

Take off the screw of the SIM card cover at the back of the unit.

Open the SIM card cover. Move the SIM card clamp according to the arrow.

Lift the SIM card clamp to insert the SIM card.

Press the SIM card clamp and move it to firm. Close the SIM card cover then wring the screw.

### 4.2 Install the Printer and paper

Move power switch to the position of "OFF"

Open the paper cover.

Take out the paper walking roll.

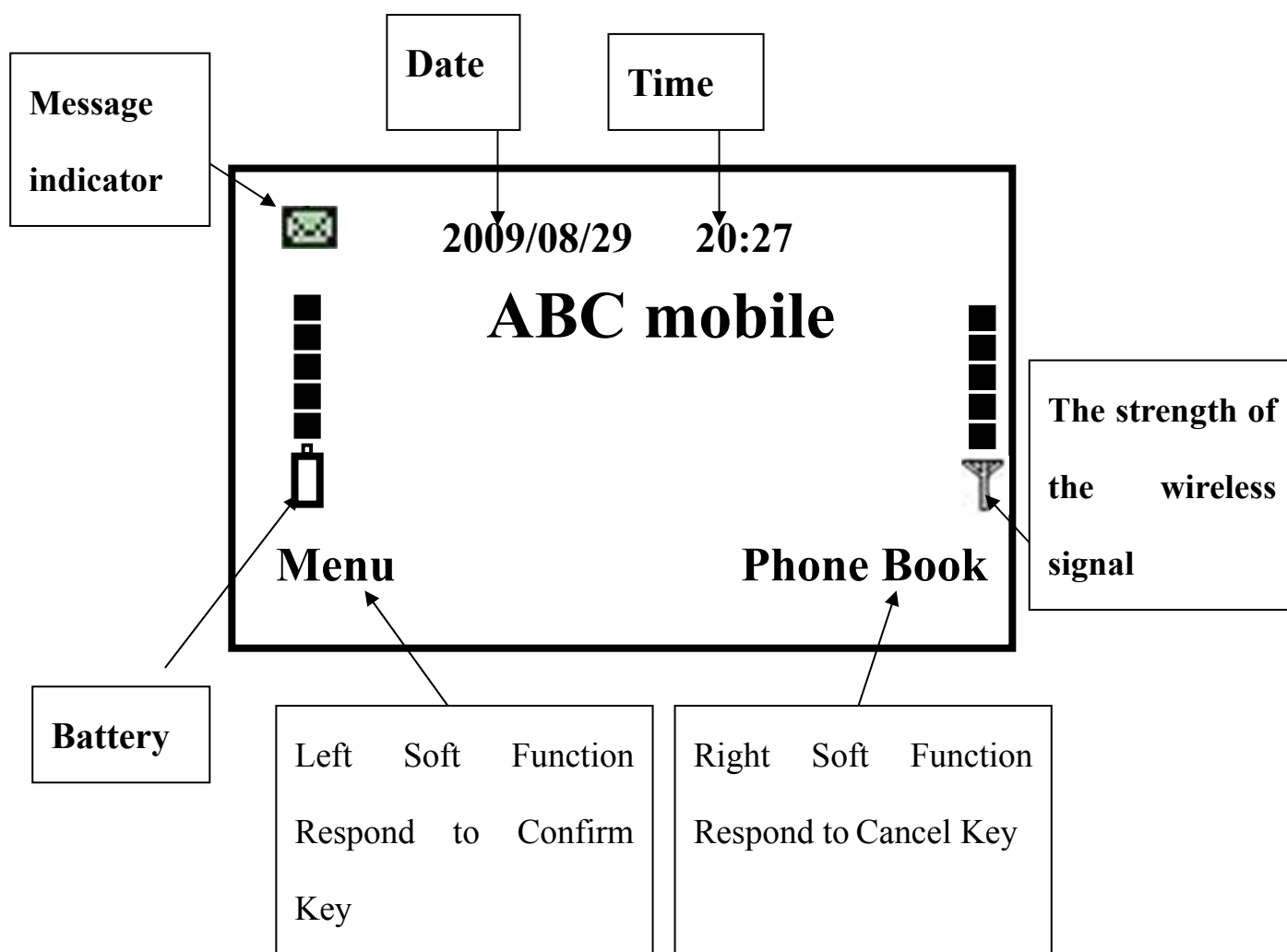
Put the paper into the paper walking roll

Reinstall the paper walking roll at the original position

Roll the paper to the exact place, make the top of paper is the same level of cut notch. Close the paper cover

### 4.3 LCD Introduction

After installing, switch on the power, the phone startup. Then, it search GSM network automatically. If successful, it enters into standby state.



Sketch Map 1-1 LCD Introduction

## 4.4 Key Board Introduction

Key	Description
PRINT	Print the current SMS or the charge information
FEED	Let the paper walking and rolling out to some length for cutting
CONFIRM	Run the left soft Menu ,in the submenu means confirm
CANCEL	Run the right soft Menu ,in the submenu means cancel
0-9, *, #	number keys
▲	In menu operation state, press this key to select anterior item.
▼	In menu operation state, press this key to select next item.
OK	HOT key of some confirmed control (defined by software) Default function is Inbox of SMS
C	HOT key of some cancel control (defined by software)

## 4.5 Number Key

There are 12 number keys. It can input digital, English capital letter, English lowercase. In input state, it shows the inputted letter amount on the top right corner of the LCD screen. Press [◀] key to delete the last letter, or press [⏏] key for 1-2 seconds to delete all the input letters. There several input methods such as “ABC”、“abc”、“123”、“SE”. Press “#” to switch input method

Letter Key	ABC	SE	abc	123
1	. , ? !			1
2	A B C	a b c	a b c	2
3	D E F	d e f	d e f	3
4	G H I	g h i	g h i	4
5	J K L	j k l	j k l	5
6	M N O	m n o	m n o	6
7	P Q R S	p q r s	p q r s	7
8	T U V	T u v	t u v	8
9	W X Y Z	W x y z	w x y z	9
0	Spacebar			0
*	! " # \$ % & ' ( ) * + , - . / : ; < = > ? @ [ \ ] ^ _ ` {   } ~ Space			*
#				

## 4.6 Input Method

English input method (include Capital and Lowercase)

For example: If you want to input “Mary”, step as below:

Press “#” to enter into “ABC” input method. Then, press key of “6” to input “M”.

Press “#” to enter into “abc” input method.

Press key of “2” to input “a”.

Press key of “7” three times continuously. It will input “r”.

Press key of “9” three times continuously. It will input “y”.

Digital input method: Press “#” to enter into “123” input method, press corresponding key of digital.


English association input method


Input a letter, it appears the suitable English word for selecting. For example, press “8” key for 3 times, it appears word “tutor”. Press “OK” to select this word.

## 5. Basic Operations

### 5.1 On-Off the phone

**If you want to connect the power adapter, please connect the power adapter to the left mini USB port.**

**Switch On:** After installing the phone, press  key for three seconds to turn on the device. At first, it displays the version number. Then, it search GSM network automatically. If successful, it enters into standby state.

**Switch Off:** When you do not use the phone, press  key for three seconds to turn off the device.

## 6 .Menu

In standby state, press [confirm] to enter into the main menu, and then press [▲] or [▼] key to choose other menu , press [confirm] to enter into the submenu, press [Cancel] to exit.

### 6.1 Phonebook (Optional)

In the main menu, press [▲] or [▼] key to find the “phonebook” menu ,and press [confirm] to enter into the submenu.

In the phonebook menu, you can “View name” or “Add new name” or fix the “Setting”.

## 6.2 Message (Optional)

When the phone is in idle-state, press [OK] key, then press [▼] key to select “Message” to enter into SMS menu.

### New Message

On selecting “New Message”, user can first edit message contents, then press [confirm] and select “send” to enter the phone number. To send the message, press [confirm]. If you select “Save”, it only saves the edited message.

### Inbox

On selecting “Inbox”, user can read messages received by the phone.

### OutBox

Read the message which is sent before.

### Msg Settings

Msg Centre:       Setting the short message center number.  
Msg Period:       Setting the period for saving the message.  
Save Msg:         Save the message.

### VoiceMail

On selecting “Voice Mail” to check if the user has any voice mail.

### Print the Message

When reading the message, it will print the information of the Message if you press the [Print] key.

## 6.3 Diverts (Optional)

This function depends on the GSM network. On selecting “Diverts”, there are some items as follows:

Always:           All calls are forwarded  
When busy:       forwards the incoming call when the phone is busy.  
No Answer:       forwards the incoming call when the phone does not answer.  
Always:           All calls are forwarded  
Not Found:       forwards the incoming call when the phone can't connect  
Cancel All:       Cancel all the Forward call



## 6.4 Clock

<b>Calculator:</b>	The tool of calculator;
<b>Alarm:</b>	Setting the alarm clock time;
<b>Set time:</b>	Setting the time;
<b>Set Date:</b>	Setting the date.

## 6.5 Audio

<b>RingTone Type:</b>	Setting ring tone type.
<b>RingTone Vol:</b>	Setting ring tone volume.
<b>Speaker Vol:</b>	Setting speaker volume.
<b>Key Tones:</b>	Setting pressing key tone volume.
<b>MTDF Tones:</b>	On/off the Secondary Dial Tones.
<b>Message Alert:</b>	On/off the message alert tone.

## 6.6 Settings (Optional)

### 6.6.1 BizPhone Setting

It requires input super password when enter into this menu (The default super password is "0123"). After input the password, press **[OK]** to enter into submenu.

<b>City Number:</b>	Setting local area number. It need not setting in general
<b>Hot Number:</b>	Setting hot phone number;
<b>Barring Call:</b>	Setting forbidden call numbers
<b>IP Setting:</b>	Setting prefix dial number. Format: Phone number+#(or*)+ prefix number+#0. If using "#", it will display the prefix number while dialing;;
<b>Lock Between SIM And Phone:</b>	Auto lock SIM PIN code, Lock SIM;
<b>Lock Net:</b>	Auto lock network;
<b>Lock Cell:</b>	Lock Switch, Num of Lock Cell, AutoLock Switch, Locked Cell List
<b>Local Number Head:</b>	Add local prefix number
<b>Change Super Password</b>	
<b>Get Default Data:</b>	Restore to default data

## 6.6.2 User Settings

No Income Call: Set allow or forbid all of the incoming call or just some call in table.

Limited Call Incoming: Set the incoming call numbers what it will be forbidden in the table.

Auto Dial Timer : Set the time when it will auto dial if you dial some numbers and do not press the [confirm] key.

## 6.6.3 Phone Settings

Setting Contrast: Setting the contrast of the screen;

Backlight: On/off the back light;

Language: Setting language;

Own Number: Setting the number of this phone;

Software version: Display the version number of the software.

## 6.6.4 Security

It requires input password when enter into this menu (The default password is “1234”). After input the password, press **[Confirm]** to enter into submenu.

Barring call To Other cities: In general, it need not enable this optional;

SIM Password: Enable/Disable PIN code;

PhoneLock: Enable/Disable phone password;

Phone Call Barring: Forbid outgoing or forbid incoming call;

Network Call Barring: Forbid international call, forbid incoming call, forbid international incoming call, forbid all outgoing call, clear all forbidden setting.

Fixed Dialing: on/off fixed dial;

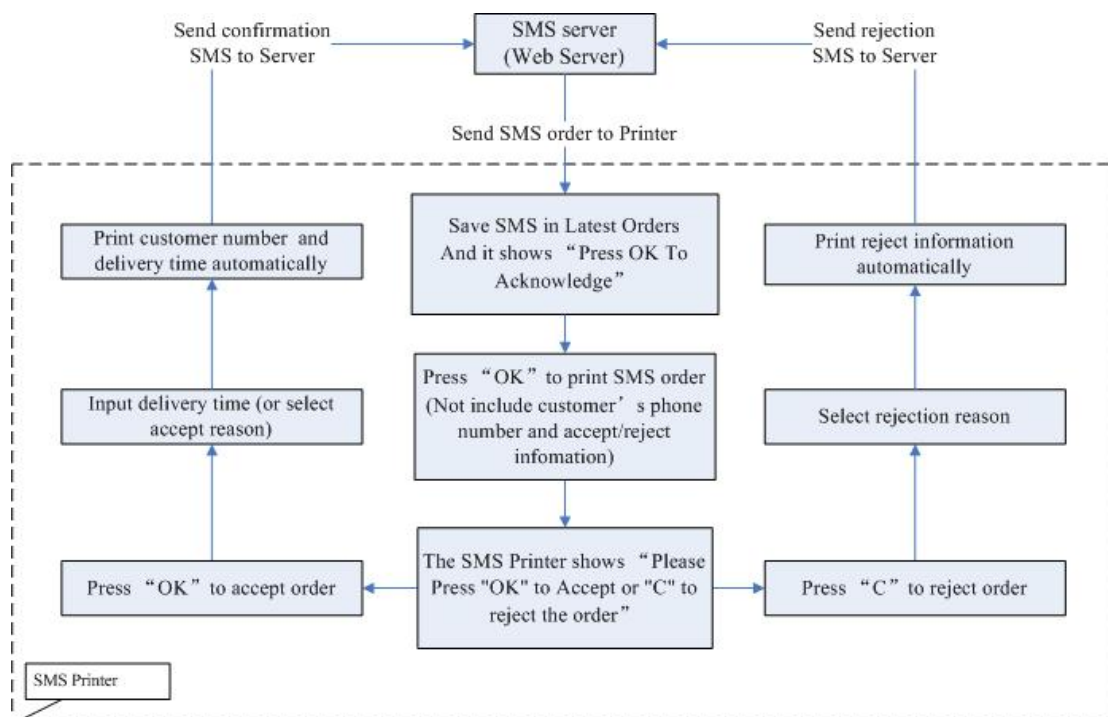
## 6.7 STK Menu (Optional)

Basing on different SIM card, the file is different. For example, special SIM card for air voucher charge has air voucher file.

If the terminal works at STK mode, press [F1] can enter into the knowledge card function menu.

## 6.8 SMS Order Operation

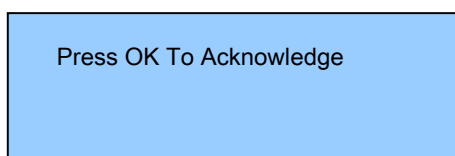
The flow of accept or reject the SMS order is below picture.



### 1. New order

The SMS server sends a new SMS order with the fixed format to the SMS printer.

After the SMS printer received this SMS order, the SMS printer Beeps, and it shows "Press OK To Acknowledge" automatically as below.



At this time, you can press "OK" key to print the content of the order except customer phone number.


After print, the Screen will Show "Please Press "OK" to Accept or "C" to reject the order"

- Press "OK" key to accept this order, it requires you to input the delivery time. After input time, the SMS PRINTER will append print the customer phone at the last of the report. And send confirmation message to SMS server.
- Press "C" key to reject this order, it requires you to select a rejection reason. After selected reject reason, the SMS PRINTER will append print the cancel order information at the last of the report. SMS PRINTER will send rejection information to the server.

## 2. History orders

Stand-by mode.

Enter into Menu, “Device Manage”, “Order List” to check the SMS order list.



```
RECORD LIST
0: Latest Orders
1: Reject Orders
2: Confirm Orders
```

- A. “Latest Orders” means the message has not been accepted or rejected, and wait for you to deal with it.
- B. “Confirm” means the message had been accepted. And it displays the order serial number.
- C. “Reject” means the message had been rejected. And it displays the order serial number.
- D. SMS PRINTER can store 50 messages as most, so, when messages over 50, SMS PRINTER will delete the oldest message automatically.

So User should often enter “Order List” menu and deal with order in time.

User also can delete all SMS. More details pls refer to menu “Device Manage”, “SET”, “CLEAR ALL”.

Press ↓ key, you can check next order list, and press ↑ key, you can check last order list.

Locates the current message, user can press [confirm] key to see the details. And press [cancel] key to back.

## 7 Appendix

### Appendix A: Safe note

If the terminal is lost or stolen, please report department or outlet in order to forbid terminal or SIM card.

If the user don't want that the terminal is used by others, please make safe measure.

For example, set SIM password and change password if others have known that.

### Appendix B: Notice

User should save manual.

Please read this manual carefully before fixing the terminal.

Don't put terminal in rain or wet place.

The terminal only use valid SIM card. SIM card will be offered by server department.

Don't open shell personal. If terminal has any question, please touch the dealer.

Electric outlet should be fixed nearby the terminal in order to use expediently.

## Appendix C: Question and Solution

**Question 1:** Switch the terminal on, but it can't work.

**Reason:** The battery capability is so low that the terminal can't work.

**Solution:** Please use power adapter to charge the battery for a while and then switch the terminal on again.

**Question 2:** The battery is not chargeable.

**Reason:** The Battery or the charger is bad.

**Solution:** Replace the battery or charger by another one.

**Question 3:** Signal weak or no signal

**Reason:** Use terminal in GSM Signal blind area. For example, the terminal is installed nearby high building or basement where wireless electric wave can't transmit enough.

**Solution:** Avoid this period using it. Move the antenna to some place where the signal is strong enough.

**Question 4:** There is cacophony or reecho while calling.

**Reason:**

The relay line of net is bad that belongs to area question.

The calling line is not good in some area.

**Solution:** Hang up and dial again. Maybe the relay line will change a better one.

**Question 5:** Outgoing or incoming call is normal, but can't send SMS.

**Reason:** SMS service centre number is wrong.

**Solution:** Reset the right SMS service centre number.

**Question 6:** Notice there is no card.

**Reason:**

Be sure there is no card in the terminal.

It is not good for SIM card metal interface.

**Solution:** Check the SIM card is in or not, if is in. Please rub card metal interface and insert it again.

**Question 7:** Time the terminal is keeping open becomes short.

**Reason:** Need changing new battery.

**Solution:** Change new battery.

**Question 8:** Can't connect network.

**Reason 1:** It is a forbidden number.

**Solution 1:** Having set forbidden numbers or forbidden long-distance call.

**Reason 2:** Signal weak

**Solution 2:** Remove to another place where signal is strong.

**Question 9:** When open or close PIN code, the screen shows SIM card is wrong.

**Reason:** PIN code has opened or closed.

**Question 10:** PIN code is wrong.

**Reason:** That is not special card for terminal.

**Solution:** Special card that operation will supply must be used for Terminal

**Question 11:** Some function can't be set.

**Reason:** Network service can't be able to support those functions, or the card can't supply those functions.

**Solution:** Please touch with operation.

**Question 12:** Terminal can be used at this position, but can't be used at the others position.

**Reason:** Area lock has been opened.

**Solution:** As usually, one terminal can't be used in two places. If user needs special service, please touch operation.