Fixed Wireless Terminal

☐ GSM ☐ CDMA

☐ DC5V ☐ DC12V

☐ Mobile Phone Board Item

☐ Industrial Module Item

User's Manual

Product Introduction

Congratulations on purchasing of our Fixed Wireless Terminal. Before using this terminal, please kindly read this user guide carefully.

This is our new design, which uses GSM /CDMA networks to operate. You can dial the local calls, domestic and international calls with this Terminal connecting with a common wired desktop phone and a stan dard SIM card.

It is widely used in these areas:

Remote country

Mountains

Dwelling house with weak signals

Public telephone shops

Offices

Removable places such as Ships, Trains, and Long distance buses

Our wireless Terminal also has these characteristics as below:

Easy to install

Easy to operation

Powerful capacity of signals receiving

Clear talking setting

Long using life

Steady performance

Key Technical Specifications

Following are the key technical specifications of this Terminal:
1.Networks support: **GSM**900/ 1800MHz
GSM850/900/1800/1900MHz (Industrial Module item)
CDMA 800MHz
2.Frequency range:
GSM 850MHz (Transmits: **824-849MHz,** Receives: **869-894MHz)**
GSM 900MHz(Transmits: **890-915MHz,** Receives: **935-960MHz)**
GSM 1800MHz (Transmits: **1710-1785MHz,** Receives:**1805-1880MHz)**
GSM 1900MHz (Transmits: **1850-1910MHz,** Receives:**1930-1990MHz)**
CDMA 800MHz (Transmits: **824.04-848.97MHz Receives: 869.04-893.97MHz)**
3. Voltage: DC5V/DC 12V
4.Stand by hours: 48 Hours
5.Talk time: 2-6 Hours
6.Charging time: 6 hours
7.Power consumption:
Static≤25MA emission≤SOOMA
8.Peak power consumption: 0.25W/0.5W
9.Receive sensitivity: -104db
10.Antenna increment: All directions: S.Odb Certain/Selection: 12db

Key functions

The key functions of the Terminal are list as below:

1 .Multicolor backlight display (e.g.: blue, green)
2.Can dial the local calls, mobile calls, international calls and special free calls
3.Supports modem mode
4.No need to dial area code when calling local numbers
5.Automatically connects to IP network when dialing long distance(optional)
6.Automatic card-locking and net-locking enable
7.Caller ID display, time and date display, the power supply of battery can display at the same time on the LCD.
8.Cost rate setting enable

Cautions and Storage

Cautions

1. This terminal should not be used at garage, oil storage, and chemical plant or near to any inflammable or explosive substance.
2. This terminal should be avoided in the hospital. It will interfere with medical electronic equipments such as pacemaker and audiphones.
3. If it is found that the terminal is not successful in login onto network, please check whether the SIM card or antenna is well installed.
4. It is blocked to touch the antenna when the Terminal is being used. (Being making calls or receiving calls), otherwise the terminal will be damaged. This kind of

damage is beyond the range of warranty.

5. When the terminal is being used, it should be placed where signal is strong enough. In order to ensure good voice quality, the terminal should be far from other electronic equipment.
6. Don't use chemic substance to clean the terminal, but use dry soft cloth to clean it.
7. Don't disassemble the terminal by yourself. If there is any problem, please contract the authorized personnel.

Storage:

1. The terminal that is packed or not could piled up no more than 10 layers.
2. The terminal should be saved in ventilate and dry place.
3. Don't knock the terminal to avoid breaking the case.

Connect the terminal

Connecting Your Service Provider

To use the networks services available in you terminal, you will need to sign up with a wirelesses provider and purchase a SIM (Subscriber Identity Module) Card or purchase a prepaid SIM card. In many cases, the wireless provider will make available descriptions of its services and instructions for using its features. Wireless provider may differ in their support of features. Before you sigh up, make sure a wireless provider support the features that you need.

Installing the Antenna

To choose a proper place for the antenna is the first and very important step for antenna installing. You can use your mobile phone to search for the place where the strongest signal is. Then put the antenna here.

Please do not make the antenna too close to the terminal. It will disturb the signal of the terminal.

Please do not make the antenna and the terminal too close to the TV set,computer, and radiogram. It will disturb the signal of the terminal.

Inserting a SIM Card

Make sure the terminal is switched off and the AC adapter is unplugged: insert the SIM card only when the terminal is switched off and the AC adapter is unplugged.Follow the instructions below to insert a SIM Card into the terminal.

1). Screw off the screw of SIM card case, and open the cover.
2). Slide back the SIM card door and lift it up.
3). Slide the SIM card into the SIM door making sure that the clipped corner of the SIM card lines up with the clipped corner of the SIM holder.
4). Close the SIM card door and slide it to lock the SIM card in place.
5). Replace the cover of SIM card case and fixes it with a screw.

Connecting your terminal with desktop phone

If you want to use the terminal to make calls, you should connect the terminal with a common wired desktop phone.

There is one or two communication portals at the back of the terminal. You can connect one desktop phone and billing machine (optional) with our terminal. It's very easy to connect the phone and terminal, just need a common communication cable

Packing List

With the Fixed Wireless Terminal, there are some accessories. When you get the terminal please check them and to see whether you have all of them. Please contact us or call the distributor in your area to hand back the absent parts if you find that you lack one of them as below:

Name	Quantity	Remark
DC adapter	1pcs	DC5V/DC12V
Special antenna	1pcs	
User Manual	1pcs	English

Option for setting

please setting according to below instruction.

Our Fixed wireless Terminal support these settings as bellowing:
Lock and unlock the SIM Card (Automatically and manual optional)
Lock and unlock the networks
Cost rate setting enable
Incoming number block (optional setting)
Dial number block
Time and Date Setting
Volume Adjustment

You can use the common settings starts with these steps:

1.Take up the Terminal or press the "Hand free" key.
2.Input the setting order which you need as they are list as below:

*00#000#	Return to the reset setting.
*00#010#	Lock the SIM Card automatically
*00#011 #	Lock the SIM Card manual (the Terminal will offer the newPIN code "4321" automatically, and your SIM card original PIN Code is "1234")

*00#012# Unlock the SIM Card and the PIN will be "1234"
*00#013# Lock the China Mobile Networks
*00#014# Lock the China Unicom Networks
*00#015# Cancel the Networks locking setting

When you want to change the automatically card locking into manual card locking, then you can operate it like this:

1 .Take up the phone or press the "Hand free" key.
2.Input *00#089#, the setting is finished.

Cost rate setting

If you need the Terminal to charge step by step (the first 3 minutes is a cost rate,the others is another cost rate, then you can set the Terminal like this

(Optional) :

1. Take up the phone 1 or press the " Hand free " key.
2. Input the setting order which you need as they are list as below:

*00#016# Make the first 3 minutes charge setting
*00#017# Cancel the first 3 minutes charge setting
*00#018# ABCD#

The cost rate of making call for the first 3 minutes is USD0.AB, and to receive the call is USD0.CD.

For example, for the first 3 minutes to make a call and the cost rate is USD0.50 but to receive a call is USD0.20, you can set the Terminal in this way:

1 .Take up the phone or press the " Hand free" key.

2. Input *00#018#5020#, the setting is finished.

The other cost rate setting

***00#019#ABCDEFG000000NOP#**

Local call USD0.AB/minute

Domestic long distance call is USD0.CD/minute

HongKong and Taiwan is USDE.FG/minute

International long distance call is USDN.OP/minute

For example,the cost rate for maiking a local call is USD0.20,domestic long distance call is USD0.30,HongKong and Taiwan is USD1.50 and any other International long distance call is USD4.60,You can set the Terminal is this way:

1.Take up the phone or press the "Hand free"key.

2.Input"*00#019#2030150000000460#",the setting is finished.

Dial number Block (Optional Setting)

If you want this Terminal to forbid some numbers 'you can set it like this:(Max for 10 groups)

*00#020#AB# the number start with "AB" is blocked
*00#021#CD# The number start with " CD " is blocked
*00#022#EF# The number start with "EF" is blocked

.....
*00#029#XY# The number start with "XY" is blocked

For example, If you want to block someone to use this Terminal to make a call, and the phone 1 number is beginning with 31 (e.g. the numbers are 3100581,3100582,3100583,3111007, 3122867 etc), then you can set it like this:

1 .Take up the phone or press the " Hand free" key.
2. Input "*00#020#31#",then all of the numbers which start with 31 is blocked to dial.
3. Input "*00#082#".
You can also forbid the numbers start with CD, EF, GH etc. But the Max is 10 groups.

If you want to cancel this setting, then you can operate it like this way:

1 .Take up the phone or press the "Hand free" key.
2. Input "*00#080#" , then all of the calls is allowed again.

If you want to cancel this function, you can operate in this way:

1 .Take up the phone 1 or press the " Hand free " key.

2. Input " *00#081#" , then all of the calls is allowed again.

Incoming number Block (OPTIONAL)

If you do not want someone to call back you, then you can forbid all of the calls. It means you can use this setting to block the incoming calls. You can set it in this way:

1 .Take up the phone 1 or press the " Hand free " key.

2. Input " *00#051#" , then you can block all of the incoming calls. No one can call back to you. But you can call others. if you want to cancel this function,please input "*00#050#".

Time and Date Setting

The time and date form is YY/MM/DD/HH/MM/SS (year/month/date/hour/minute/second), you can set the time and date in this way:

1 .Take up the phone or press the "Hand free"key.

2. Input "*00#057#YYMMDDHHMMSS#" .

Troubleshooting

Trouble (Display on LCD)	Reasons	Solution
ERROR-03	The connection between the SIM card and SIM card holder is not good	Check the SIM Card holder and install the SIM card again.
ERR-001	The cell phone board is broken	Replace the cell phone board
No display on LCD and the LED indicator is power off	1 .The switch is not taken on. 2. The transformer is damaged.	1 .Turn on the switch at the back of the terminal. 2. Ask the dealer to change a new transformer.

Limited Warranty

Subject to the conditions of this Limited warranty want this product to be free from

defects in design, material and workmanship at the time of its original purchase by a customer for a subsequent period of one year (the new industrial module items can be 2 years), Should your product need warranty service, pis return it to the d ealer from whom it was purchased.

Conditions:

- The warranty is valid only if the orig inal receipt issued to the original purchaser by the dealer, specifying the date of purchase, is presented with the product to be repaired or replaced. This warranty does not cover any failure of the product due to misuse, including but not limited to use in other than the normal and customary manner, in accordance with instructions for use and maintenance of the product. Nor does this warranty cover any failure of the product due to accident, modification, adjustment, improper repair or acts of God.
- This warranty does not apply to batteries to modules the other suppliers (e.g. SIM cards from the GSM provider).

- The warranty provided does not affect the consumer's statutory rights under applicable national legislation in force, nor the consumer's rights against the dealer arising from their sales/purchase contract.