

**Fixed Wireless Terminal
GW0011**

User Manual



CONTENTS

Introduction-----	3
Notice for Using-----	3
Integrated Working Scheme-----	3
Functions and Features -----	4
Major Technical Specification -----	5
Cabinet list-----	5
Location of Controls-----	5
Installation method-----	6
Using setting -----	6
Using way-----	9
Troubleshooting-----	10

Introduction

Thanks for purchasing our product. Please read this Manual carefully before using. Our company is professionally engaged in manufacturing, researching, developing, and producing wireless communication equipments. Our products widely applied in remote and mountain areas, company business, coin telephone in long-distance bus, public telephone service, and dwelling house with weak signal etc. In order to serve you with our best efforts, any opinions or suggestion please contact with our dealer. Thank You!

On the base of our researching in wireless phone for 3 years, we have been developing this new kind of GSM Terminal; we use the GSM Gateway as our wireless receiver unit, which can work for 100 thousand hours. The quality of this products is very good, user called it as "The best equipment of this kind".

Notice for Using

1. Avoid placing the equipment in a dusty location, or near a source of gas or fire.
2. Do not use the equipment near water, for example, near a bathtub, sink, wet basement, or swimming pool etc.
3. Don't shake, hit or drop the equipment.
4. If you clear the outside of the equipment, use only a soft, dry cloth. The chemicals in alcohol, benzene or acetone can damage the surface of the equipment.
5. Do not disassemble the equipment.
6. Use only the PROVIDER provided antenna. Do not use the PROVIDER antenna for any other purpose.
7. Use only the designated backup rechargeable battery. Dispose of exhausted battery properly. Never discard a battery in or near fire or flame.
8. Frequency and length of use can affect the life of the backup rechargeable battery. Contact your customer service if the battery is not operating properly.

1. Integrated working scheme



2. Functions and Features

- ◆ Integrated changeable pay counter, no need to purchasing other pay counter.
- ◆ The online sound of dial, busy sound.
- ◆ Caller ID. Can been showed to telephone.
- ◆ LCD with dialing number, Clock, Signal strength, bill.
- ◆ Current talking system provides connection with counter and computer counter.
- ◆ Store world wide phone pay rate, organize different number and count the pay currently.
- ◆ Local code set, solid long-distance, cellphone's IP, e.g: 17951, 17911, 193, different area the products automatic insert different IP.
- ◆ Dial free number directly, e.g.:110, 119, 120; You can set pay counter freely, IP, free number.
- ◆ Provide safe key.
- ◆ Automatic recognize GSM net, short or long distance phone number.
- ◆ Common custom of dial.

3. Major Technical Specification

- Air interface standard: GSM 900/1800 MHz Phase 2+
- Frequency ranges:
 - GSM900:
 - Transmit: 890~915MHz;
 - Receive: 935~960MHz
 - GSM1800:
 - Transmit: 1710~1785MHz;
 - Receive: 1805~1880MHz
- Channel space: 200KHz
- Sensitivity: -104dB
- Peak power consumption: 2W
- Operating environment requirements:
 - Temperature: 0°C - +40°C
 - Relative humidity: 45% - 90%
- Connectors: SMA antenna connector (TNC optional)
- Atmospheric pressure: 86~106Pka
- Power consumption: static \leq 25 mA, emission \leq 500 mA
- Antenna: Gain: 3.5dB (all directional) 12 dB(Certain/selection)
- Power supply:
 - AC220V \pm 10% 47-54Hz AC110V/60Hz(optional)
 - DC12V (optional)

4. Cabinet list

- A. GW0011 Fixed Wireless Terminal 1 piece.
- B. DC 12V/1A adaptor 1 piece.
- C. Antenna 1 piece
- D. Manual

5. LOCATION OF CONTROLS



6. Installation Method

1. Please insert SIM Card for GSM wireless telephone set when first run the products, please slide the end cover and make sure SIM is inserted, and slide the cover perfectly.
2. Connect with radio frequency antenna.
3. Connect with telephone receiver.
4. Connect with power adapter.
5. Connect with phone line.
6. Connect with the FWT (Fixed Wireless Terminal)'s signal receiver, connect FWT (Fixed Wireless Terminal)'s head of SMA with FWT (Fixed Wireless Terminal)'s signal receiver, and keep the distance over 40CM between SMA and the wireless receiver set.
7. Connect with the special use of our pay key, insert the pay line into wireless receiver set, and insert another pay line into the "LINE" on the pay system.

7. Using Setting

The wireless receiver set provide a set of setting, you can set: the wireless receiver's working time, IP's set and pay's setting etc.

Into the setting:

Pick up your phone, dial * 8 8 8 9 9 9 # , the screen will show "INPUT CON-".

When screen show "INPUT CON-", you can input 0.....9 to go into different setting.

a) Time setting

Style: (000.....023) hour,(000.....059)minute.

Such as: you want to set 7:30 PM

You can input: 1 019 030

b) Pay setting

When screen show "INPUT CON-", input 2, then screen may show"-SET PAY-";

1. (000.....014) style:

style	Manual
000	receive
001	locate phone
002	Other contry
003	Long distance phone of country
004	Other city's cellphone
005	
006	
007	
008	
009	American, Canada
010	International call 2
011	Free call, eg:1001
012	IP phone, eg: 193300、17910
013	Any phone number 1
014	Any phone number 2

2. (0.....9) first set number, if it's 0 then not set up the second.
3. (001.....255)second's first set (second),1 minute is 060 second
4. (0.....9)first set Yuan
5. (0.....9)first set Jiao
6. (0.....9)first set Fen
7. (001.....255)The second time set(second),1 minute is 060 second
8. (0.....9)The second set Yuan
9. (0.....9)The second set Jiao
10. (0.....9)The second set fen

Pay setting was depart into two parts in order to record pay time, the first and second pay time.

eg: Dial long distance call of country, first 3minutes is 0.50 Yuan per minute, after 3minutes the pay is 0.40 Yuan per minute; you can input: 2-003-060-050-060-040 after the screen show "INPUT CON-"

Pay show:

After call, press the red key on the board, continue press can search from 1 to 6 group call time, call pay and money.

c) IP setting

The IP dial course is when user uses IP and other phone system and within dial long-distance number, need to add a special number before the number you dial.

Our products use the master dial number course of cell phone, so it's only suitable for IP dial system, such as 200, or 17908 card's system.

In every dial course, the max dial key is 15, end by: #

Style	Manual	Other
000	Hearing call	No need setting
001	City's phone	No need setting
002	Other country	Except Hongkong, Maco, Taiwan, American, & other international long distance call
003	Long distance phone of country	Not 013's long-distance call in country
004	Other city's phone	No need of setting
005		
006		
007		
008	Hongkong, Maco, Taiwan	00852、00853、00886
009	American, Canada	001
010	International call 2	
011	Free call	No need of setting
012	IP phone	No need of setting
013	Any phone number 1	
014	Any phone number 2	

eg: dial long distance call in country, use 17911 system, input: 3-003-17911# after screen show "INPUT CON-".

Group dial number setting:

20 numbers per a group, the max bit of the number is 6, use * to add to 6 bit number if the bit of the number is not enough 6 bit, end by #; The max is 7 groups:

Group	Style	Manual
0	Free call	1 as the head number, eg:1001
1	IP phone	1 as the head number, eg:193300, 17910
2	Hongkong, Maco, Taiwan	00 as the head number, eg: 00852、00853、00886
3	American, Canada	00 as the head number, eg:001
4	International call 2	00 as the head number,
5	Any phone number 1	Any head
6	Any phone number 2	Any head

eg: Free call setting: 1000, 1001, 114, 120, 117, the way of setting: 4-0-1000**-1001**-114***-120***-117***-#

Pay setting:

- Common setting: When hung up, it's no longer show the call time; Only can use up and down key to search it.

Input: 6 000 000 252

- b) Sound for a long time: When hung up, wireless receive set's ring will sound for a long time, and show the calling time and money.
- c) Continue sound: When hung up, wireless receive set and pay counter will continue sound, you only need to press the pay counter reset key can stop it.

Warning: Don't use this style only if you have the equipment of pay counter, otherwise you can't hung up!

Detail setting:

eg: Set IP receive code:17951, local code:0755, answer call by 0.5Yuan per one time, short-distance is before 3 minutes the pay is 0.2Yuan, after 3 minutes is 0.1Yuan per minute, long-distance is 0.3Yuan per minute.

The way of setting is:

Pick up phone and input:*888999#, and into setting style, input:

2-000-1-060-050-000

2-001-1-180-020-060-010

2-003-060-030-060-030

2-013-1-060-030-060-030

3-002-17911#; Except Hongkong, Maco, Taiwan, American, other international long distance call, 00 as head of call

3-003-17911# ; long-distance call within the country (e.g. China's mainland)

3-008-17911# ;Hongkong, Maco, Taiwan

3-009-17911# ; American, Canada

3-010-17911# ; international long distance call

3-013-17911# ; Add IP before short-distance call

3-014-17911# ; Add IP to long-distance call of cellphone

4-5-2*****3*****6*****8*****# ; Define local phone

4-6-13****013*** # ; local and long-distance call cellphone

Finish input, hung up.

Check:

To check the input IP is right or wrong, get into the setting style first, input the under order:

7-000-000-032(Show IP)

6-000-000-223(Close)

8. Using Way

A. Calling

- a) Pick up the phone, screen's backup light is on, it's show that you are entry the wireless dial style, dial number after hearing the dial sound.
- b) The people you call pick up phone, then calling success.
- c) hung up the phone to end this call.

B. Answer

Like ordinary phone call: pick up phone-begin to talk, hung up the phone-end the talk.

- a) The pay of calling
 1. Common style: after calling, the LCD screen show the calling time and the pay money
 2. Warning style: after calling, if the LCD screen shows pay, the warning sound begin.
 3. Pay counter style: after calling, if screen show pay, warning sound begins until you press the pay counter key.
- b) Refuse calling
You can refuse every calling if you don't want answer by press "view" key.
- c) Reset
If you can't call out or call short-distance only, it may cause by the signal net, please set:
*888999#, 5-000-002-000 hung up the phone, turn off the power, restart the wireless receiver set.

9. Troubleshooting

(Trouble 1) Much noise during conversation

1. Make sure the telephone is in good condition.
2. Make sure the out-door antenna is not too close to the telephone.
3. Check the signal strength, remove the location of the out-door antenna or the terminal.

(Trouble2) The GSM Fixed Wireless Terminal does not work (LCD display err 001 again and again)

1. Make sure the accumulator is workable, not in low battery.
2. Make sure the POWER switch is on.
3. Make sure connect SIM card is good.
4. Check power adapter is good.

(Trouble3) The telephone does not ring when a call is coming

1. Make sure the telephone is in good condition.
2. Make sure the RJ11 line is connected firmly to the telephone and GSM Fixed Wireless Terminal.

(Trouble 4) Caller ID service is unworkable

1. Make sure DTMF Caller ID service is supportable by your matching telephone.
2. Make sure you have subscribed for Caller ID service successfully.
3. Cut off the power for a few seconds, then connect again.

(Trouble 5) LCD display "03 00 04" again and again

1. Make sure the out-door antenna is in proper place.
2. Make sure the out-door antenna is installed properly.
3. Make sure the SIM card is installed properly.

Thank You for your using of our products again, please contact with us with your opinion and suggestion.