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# **FWT-8818 CDMA FWT**

## **(FIXED WIRELESS TERMINAL)**

### **USER'S MANUAL**



#### **1、DESCRIPTION**

FWT-8818 CDMA is a Fixed Wireless Terminal designed to provide better wireless connectivity between POTS (plain old telephone set) and existing CDMA 800Mhz, network with high sensitivity to receive signal and large transmitting power to expand extensively the effective coverage of CDMA service. It can be used not only in communication for vehicles such as automobiles, trains, floating vehicles, etc., but also in communication for construction sites, isolated islands and rural areas where hardwire-line telephone service is unavailable. So they are widely

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used in home & office, public phone, rural areas, steamer, railway etc.

**FWT-8818 ---a solution for expanding CDMA service coverage!**

## 2、MAIN FUNCTION & FEATURES

- | Simple to install and easy to maintain
- | Steady module & reliable design ensures good performance
- | Provide optimized circuit directly connecting the exchange device for extensions
- | Automatic IP dialing with long-distance-call identification
- | Compatible to most telephones, PBX & VoIP gateways
- | Strong signals with high gain antenna
- | Attractive Plastic casing
- | Ruim support/Non Ruim support(optional)
- | Caller ID
- | Provide reversal polarity signal for metering
- | No noise & Clear voice
- | Suitable for wide voltage range & Low power consumption
- | Suitable for all kinds of weather & environment
- | Two extension lines allowed or Wireless to wire(connection to PSTN) (Optional)

## 3、SPECIFICATION

### 1, Frequency Rate

-RX Frequency: 869.64-893.37MHz

-TX Frequency: 824.64-849.37MHz

2. Air Interface: CDMA IS 95/B 800Mhz.

3. Vocoder: 13K QCELP, 8K QCELP, EVRC

4. User line, bell signal : In line with GB/T15279

5. Max Power: 0.25W/0.5W

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6. Consume : Immobility  $\leq 25\text{MA}$ , Transmission  $\leq 400\text{MA}$
  7. Sensitivity :  $-105\text{db}$
  8. Dialtone frequency:  $450\text{Mhz}$
  9. Surrounding Temperature :  $-10\text{ }^{\circ}\text{C} \sim +40\text{ }^{\circ}\text{C}$  Relative humidity:  $45\% \sim 90\%$  ( Without frost )
  10. Atmosphere Pressure:  $86 \sim 106\text{Pka}$
  11. Environment Noise :  $< 60\text{db}$
  12. Antenna Amplifying :  $3.5\text{db}(\text{omni directional})$ 、 $12\text{db}(\text{certain direction /chosen direction})$
  13. AC Power:  $\text{DC}10\text{V}—20\text{V}$
  14. Connector of Power: China
  15. Dimensions(L×W×H) Average :  $185 \times 135 \times 22$  ( mm )
  16. Weight : FWT  $400\text{g}$ , full set with ac-adapter & antenna & box  $500\text{g}$
  17. Color: White and blue(Optional)
  18. Connection Mode: RJ-11 phone jack
  19. Antenna Connection: SMA Antenna Connection.

#### 4、APPLICATION

- I For public use as payphones;
- I For Office & Home use;
- I For rural and mountainous area;
- I For mobile carriage, like ship, automobile and train etc.;
- I For those where hardwire-line telephone service is unavailable.

#### 5、INSTALLATION AND CONNECTION MODE

##### **1. Antenna**

Connect the head of cdma antenna to the head of antenna of the back of the Fixed Wireless Terminal.

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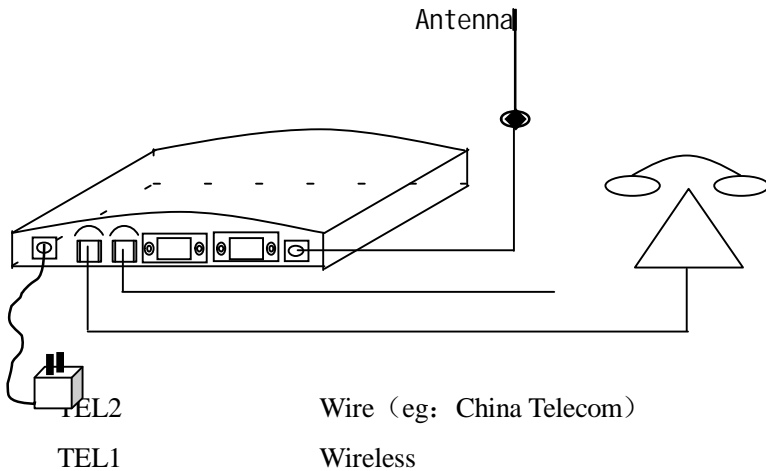
## 2. Ruim Card(option)

2.1 Open the bottom cover of fixed wireless terminal;

2.2 Plug Ruim Card into the card holder of PCB board, then fix the cover;

## 3. Connection to Telephone

3.1 Draft for the connection of terminal to telephone:

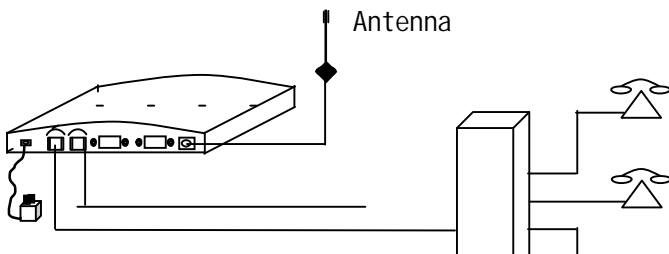


## 12V/1A AC adapter

With one side of the 12V/1A Transfer to 220V power, and another to the socket of 12V DC in the back of wireless terminal.。

With one of the telephone line with crystal head to telephone , and another side to TEL1 □ on the rear of the terminal, and TEL2 □ connecting to wire phone, (eg: China Telecom) .

## 4、 Connection to telephone line



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TEL2 Wire(Fixed line) (eg: China Telecom)

TEL1

12V/1A AC adapter

With one end of the wire to the socket of equipment ,while another end to the TEL1 □ on the back of the wireless terminal , TEL2 □ connect to wire telephone (eg: China Telecom)。

## 6、FUNCTION SETTING

1. The right to call local No.

“\*\*” —— “6 digit password” —— “1” —— “# or\*” ——hang up  
(#=prohibit to call \*= permit to call )

2. The right to call DDD

“\*\*” —— “6 digit password” —— “2” —— “# or\*” ——hang up  
(#=prohibit to call \*= permit to call )

3. The right to call IDD

“\*\*” —— “6 digit password ” —— “3” —— “# or\*” ——hang up  
(#=prohibit to call \*= permit to call )

4. Install to call in

“\*\*” —— “6 digit password” —— “4” —— “# or\*” ——hang up  
(#=prohibit to call in \*=permit to call in)

5. Install to call IP

“\*\*” —— “6 digit password” —— “5” —— “# or\*” ——hang up  
(#=prohibit to call IP \*=permit to call IP)

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6. Modify 5 Digit Access to IP

“\*\*” —— “6 digit password” —— “6” —— “5 digital access to IP”

(If not enough No. please use ‘#’ instead. Eg.: Install IP193 put 193##) ——hang up

(5 digital access to IP should be 5 No.s, The access No. to IP should be caller’s IP No., eg 17909、17951、17911、17921、193##、17931 etc.)

7. Modify 6 digit password

“\*\*” —— “Original 6 digit password” —— “7” —— “New 6 digital pass word” ——hang up

8. Install to have “zero” or not for the mobile phone of ex-cities

“\*\*” —— “6 digital ” —— “8” —— “# or \*” ——hand up

(#=use “zero” \*=Not use “zero”)

9. Reversal polarity

“\*\*” —— “6 digit password” —— “9” —— “# or \*” ——hang up

(#=prohibit to reversal polarity , \*=permit to reversal polarity)

10. Install to use local IP

“\*\*” —— “6 digit password” —— “0” —— “# or \*” ——hand up

(#=prohibit to call local IP \*=permit to call local IP)

11. Initialize System :

“\*\*” —— “6 digit password” —— “#”

(the initial password:000000 or 123456, the default status for local call permit, DDD call permit, IDD call permit, reversal-polarity permit, local IP, Long distance IP, local IP, long distance IP, Prohibit,)

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## 7、NOTES:

1. In order to reduce the affect of other electronics products to wireless terminal, please keep the distance at least 1 meter between them.
2. The frequency of Wireless terminal may affect some electronics equipments, so don't use the wireless terminal in the area where the wireless equipments are prohibited to use.
3. Don't pull out or plug in Ruim card frequently if not necessary, if the spring of Ruim card holder is not properly touched, please curve warp the spring so that it can be touched properly , and work properly
4. Don't switch frequently the power of wireless terminal, the interval between the two switches should be over 10 seconds and more, otherwise there may be some damage to it.

## Warranty Card

Please fill in the blanks carefully, and keep it properly as the voucher for warranty.

Type of Equipment	FWT-8818 CDMA Fixed Wireless Terminal		
User's name		Contact with:	
Contact Tel.no.			

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Address			
Date of Ex-works			
Date of Maintenance	Damage	Management	Maintainer
Sales Agent (Stamp)		Purchasing Date	