ZTE WF833F/WF833
CDMA Fixed Wireless Terminal
User Manual

LEGAL INFORMATION

Contents

1 General Information

1.1 Welcome

Thank you for choosing ZTE WF833F/WF833 CDMA Fixed Wireless Terminal (FWT). To guarantee your WF833F/WF833 always in its best condition, please read this manual carefully.

The pictures, symbols and contents in this manual are just for your reference. They might not be completely identical with your WF833F/WF833. Please subject to the material object. ZTE operates a policy of continuous development. We reserve the right to update the technical specifications in this document at any time without prior notice.

Note: There are two ZTE WF833F/WF833 models. One needs UIM card inserted in and the other does not need.

If the section or function in this manual is marked with " ★ ", it indicates that this section or function is only available to the model with UIM. And the other functions are available to both models.

1.2 Safety Precautions

- Some electronic devices are susceptible to electromagnetic interference sent by WF833F/WF833 if inadequately shielded; try to use the WF833F/WF833 at least 20 cm away from TV sets, radio and other automated office equipment so as to avoid electromagnetic interference.
- Operation of WF833F/WF833 may interfere with medical devices like hearing aids and pacemakers. Consult a physician or the manufacturer of the medical device before using the WF833F/WF833.

- Be aware of the usage limitation when using WF833F/WF833 at places such as oil warehouses or chemical factories, where there are explosive gases or explosive products being processed, because even if your terminal is in idle state, it still transmits radio frequency (RF) energy.
- Do not touch the antenna while calling.
- Keep the antenna free from obstructions and position the antenna straight up. This will ensure best call quality.
- Please put the WF833F/WF833 on the safe place. It may cause injury if used as a toy by children.
- Do not put other things on the WF833F/WF833 to avoid overlaying radiator.
- Please use original accessories or accessories that are authorized by ZTE. Using any unauthorized accessories may affect your WF833F/WF833 performance, hurt your terminal or even cause danger to your body and violate related national regulations about telecom terminals.
- As your WF833F/WF833 can produce electromagnetic field, do not place it near magnetic items such as computer disks.
- Do not expose your WF833F/WF833 to direct sunlight or store it in hot areas. High temperatures can shorten the life of electronic devices.
- Prevent liquid from leaking into your WF833F/WF833.
- Do not attempt to dismantle the WF833F/WF833 by yourself. Non-expert handling of the devices may damage them.

- It is highly recommended to charge the battery before initial use. The battery might have been discharged during storage and delivery.
- Keep the length of line between WF833F/WF833 and phone less than 3 meters when it is connected to outer telephone.
- Do not unplug the connector of the data cable from WF833F/WF833 when the power is on.

1.3 Cleaning and Maintenance

- The WF833F/WF833 is not water-resistant, so do not use it in high humidity places such as the bathroom.
- If you want to clean your WF833F/WF833, please use clean fabric that is a bit wet or anti-static. Turn off your WF833F/WF833 before you clean it.
- Do not use chemical cleaning solvents or strong detergents to clean your terminal, such as alcohol, dilution agent and benzene.
- Use the terminal within a temperature range of -10°C~55°C and humidity less than 95%.
- Do not use your WF833F/WF833 during thunderstorm.
- (★)Do not take out your UIM card if there is no necessary. The damaged or lost of UIM card may cause difficulty in maintenance of the terminal.

1.4 Limited Warranty

- This warranty does not apply to defects or errors in the Product caused by:
  (a) Reasonable abrasion.
  (b) End User's failure to follow ZTE's installation, operation or maintenance instructions or procedures.

(c) End User's mishandling, misuse, negligence, or improper installation, disassemble, storage, servicing or operation of the Product.

(d) Modifications or repairs not made by ZTE or a ZTE-certified individual.

(e) Power failures, surges, fire, flood, accident, actions of third parties or other events outside ZTE's reasonable control.

(f) Usage of products of third Parties, or usage in conjunction with third party products provided that such defects is due to the combined usage.

(g) Any other cause beyond the range of normal usage for Products.

End User shall have no right to reject, return, or receive a refund for any Product from ZTE under the above-mentioned situations.

● This warranty is end user's sole remedy and ZTE's sole liability for defective or noncon-forming items, and is in lieu of all other warranties, expressed, implied or statutory, includ-ing but not limited to the implied warranties of merchantability and fitness for a particular purpose, unless otherwise required under the mandatory provisions of the law.

1.5 Limitation of Liability

ZTE shall not be liable for any loss of profits or indirect, special, incidental or consequential damages resulting from or arising out of or in connection with using of this product, whether or not ZTE had been advised, knew or should have known of the possibility of such damages, including, but not limited to lost profits, interruption of business, cost of capital, cost of substi-tute facilities or product, or any downtime cost.

2 Getting Started

2.1 Unpacking

Parts	Quantity
Terminal	1
Ni-MH battery	1
External power adapter	1
Antenna	1
Phone cord	1
User manual	1
Certificate of quality	1
Data cable	1,optional

2.2 Technical Parameters

Air Interface Protocol	IS-2000, downward compatible with IS-95A/B
Frequency Range	TX:824~849MHz RX:869~894MHz
LED Display	Power indicator/Battery indicator/ Off-hook indicator/DATA/ FAX indicator/RSSI signal strength indicator

External Interface	* External power socket
	* Data interface (DATA)
	* Antenna connector (ANT)
	* Phone/ Call meter /Fax interface (PHONE FAX)
Voice Decoding	8K EVRC
Dimensions (L×D×H)	195 mm×132.4 mm×38 mm (Exclude antenna)
Battery	* Continuous Standby Time: Approx. 25 hours
	* Continuous Talk Time: Approx. 2 hours
	Standby Time and Talk Time depending on the network condition

Note: Please refer to the real objects for the related parameters about the battery and charger.

2.3 Appearance

10

2.3.1 LED Indicator

● Power Indicator ⏻

Indicator lights up when WF833F/WF833 is connected well to the external power outlet.

● Battery Indicator **BAT**

Indicator lights up when WF833F/WF833 is power supplied by battery.

Indicator blinks when the battery is in low-voltage.

Note: WF833F/WF833 may not work normally when the battery is in low-voltage.

● PHONE Indicator **PPP**

Indicator lights up when the phone is hook-off, it turns off when the phone is hook-on.

● DATA/FAX Indicator 📶

Indicator lights up when WF833F/WF833 is dealing with data service or fax.

● RSSI Indicator 📶

Indicator turns green when RF signal is normal. Indicator turns yellow when RF signal is weaker. Indicator turns red when there is no RF signal.

2.3.2 Switch

The ⏻ is used to power on or power off WF833F/WF833. Switch to 'I'side to power on, switch to 'O' side to power off.

2.4 Interface and Installation

2.4.1 Interface Description
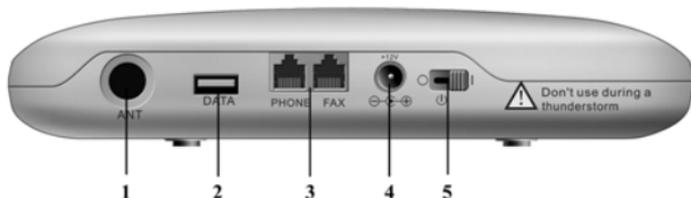
1. Antenna: ANT
2. Data interface: DATA
3. Phone/ Call meter / Fax interface: PHONE FAX

Note: The WF833 do not support FAX function.

4. External power socket
5. Power toggle switch

2.4.2 Installation

1. Connect the Audio-frequency phone to the PHONE interface.
2. Install the antenna to the antenna connector. Hold the stick of the antenna and rotate the screw cap in clockwise direction. **Do not rotate antenna directly.**

3. (★) Open the UIM card cover at the bottom of the terminal. Slide the UIM card into the UIM card slot. Make sure that the metal connector is facing downwards.
4. Good grounding may guarantee your WF833F/WF833 work reliably.
5. Connect the adaptor to outer power, and plug the plug to the socket at the real of the terminal.
6. Switch ⏻ to 'I' side to power on WF833F/WF833. Make sure the phone is on hook before powering on.

Note: The prompt of shut down will not be heard while the terminal is power off if a new call comes in.

2.5 Battery

There are two ways of power supply:
1. External power supply
2. Spare rechargeable battery supply

When using WF833F/WF833, please connect it with the external power adapter. Use the spare rechargeable battery in case of power failure or when there is no available power socket nearby. When connected with external power supply, WF833F/WF833 will automatically check electricity quantity of the battery and charge the spare battery.

If the spare battery will be used up, the indicator **BAT** will blink, connect external power adapter to charge it.

2.6 About UIM Card (★)

2.6.1 UIM Card

Insert a valid UIM (User Identity Module) card into the terminal before usage.

Do not touch the metal surface of the UIM card in case that information in the card may be lost or damaged. Keep the card away from electricity and magnetism.

Warning: Power off the WF833F/WF833 before removing the UIM card. Inserting or removing the UIM card is prohibited when it is connected with the external power source.

2.6.2 Usage of UIM Card

- Power off WF833F/WF833, disconnect from the external power outlet and open the rear cover of the UIM card.
- Slide the UIM card into the UIM slot. Make sure that the beveled corner matches with the UIM slot. Close the UIM card gate back to lock the UIM card. Press the back cover to lock it into place.

Note: If you cannot use WF833F/WF833 normally after you insert the UIM card, make sure the UIM card is inserted correctly or the UIM card is valid (contact the network carrier). Do not power on/off WF833F/WF833 continuously for 3 times, otherwise the UIM card may be blocked.

3 Basic Operations

3.1 Making a Call

3.1.1 Making a Domestic Call

Connect WF833F/WF833 to audio-frequency phone through PHONE FAX interface. Enter the telephone number (add area code when making a long distance call) on the audio-frequency phone after you hook off, wait for 10 seconds to send it automatically, or press the # key on the phone to send the call directly.

Note: When RSSI indicator turns red and there is no dialing tone when picking up the audio-frequency phone's earpiece, it indicates weak RF signal or loosen antenna screw. Change the position of the terminal or check the antenna installation.

3.1.2 Making an International Call

Enter the code of the country you want to dial and the complete telephone number, wait for 10 seconds to send it automatically, or press the # key on the phone to send the call directly. Delete "0" before the area code when you make a call.

3.1.3 Adjust the Volume during Calling

During conversation, you can press * and # key continuously and quickly to adjust the volume; press # key to increase the volume and * key to decrease the volume. The volume has 4 levels.

3.2 Answering a Call

When the phone rings, pick up the earpiece to answer. If the phone has hands-free function,

you can also answer the call by pressing the hands-free key. End the call by pressing hands-free key again. Make sure to exit from the hands-free mode to guarantee next call can come in.

3.3 Call Metering

Connect the call meter's interface to PHONE FAX interface of WF833F/WF833, and then connect the phone to the call meter. Call meter will begin to count when the phone is connected successfully.

The default setting of WF833F/WF833 supports reversal metering and 16 KHz pulse metering. If WF833F/WF833 can not meter, you can try to follow the instructions below to switch metering model.

If it is 12 KHz pulse call meter, hook off the phone, key in *983*7083# with a sound of confirmation.

If it is factory default call meter for WF833F/WF833, hook off the phone, key in *983*7080# with a sound of confirmation.

Restart WF833F/WF833 when you make use of instructions to switch metering model.

Note: This function is network-dependent, the rate of metering should be set at the outer call meter.

3.4 Other Functions

WF833F/WF833 supports call forwarding, call waiting and three-way call. Contact the network carrier for details.

Note: This function is network-dependent.

4 G3 Fax

This function is only available to the WF833F, SAMSUNG, BROTHER, CANNON,PANASONIC and LEXMARK FAX machine are recommended.

It may need a long time to receive or send fax, wait for a moment after indicator (ⓦ) lighting up.

In the process of faxing, the power should be sufficient. As usual, it is recommended to use external power supply.

Connect G3 Fax machine to FAX interface of WF833F by ordinary phone line before using G3 fax.

Note: Do not connect G3 Fax machine and phone to WF833F simultaneously. Otherwise, sending or receiving fax will be in abnormal.

Set the G3 Fax machine as below before receiving or sending fax:

1. Speed: Under 14400 (suggest to use 9600 bps)
2. Quality of sending: Standard
3. ECM: OFF
*   **Sending G3 Fax**
1. Both of WF833F and G3 Fax machine are power-on and in state of default standby mode.
2. Hook off the Fax machine, key in the number, press the send key of G3 Fax machine to send the fax.

Note:

➢ Send no more than 3 pages each time under the wireless network.

➢ When $(\!(\!\wedge\!)\!)$ indicator blinking, it showing WF833F is create a connection with the other part. It links with other part successfully with $(\!(\!\wedge\!)\!)$ indicator lighting up, and then WF833F starts to send fax. If $(\!(\!\wedge\!)\!)$ indicator turns off, operate again.

➢ When WF833F is sending or receiving fax, do not do any other operation.

● **Receiving G3 Fax**

1. Both of WF833F and G3 Fax machine are power-on and in state of default standby mode.
2. Set G3 Fax machine in auto-receiving mode to receive fax.

Note:

➢ If the network do not support auto-receiving, pick up the receiver of G3 Fax machine, key in *8# to set WF833F as Fax mode with a sound of# confirmation. Then you can receive or send fax. In the Fax mode, you can not make or answer a call. You need to key in *0# to set WF833F back to default voice mode.

➢ When you receiving or sending fax, if errors occur (such as wrong destination number, error sending, error receiving), hook on the receiver till PPP and $(\!(\!\wedge\!)\!)$ indicator turn off, and then do next step.

➢ This function needs network support, and is activated with the number.

18

5 Access Internet

WF833F/WF833 supports Internet access through data cable.

Make sure the data cable is connected well with computer and WF833F/WF833. The dial up software is embedded in WF833F/WF833, and will be installed automatically when connected well with computer.

If the dial up software automatic installation process failed, you can find a virtual disk drive that created by WF833F/WF833, run the setup.exe file to install the dial up software.

To access network, select **Start→Programs→Fixed CDMA Dial-up Tool**, a Dial up dialogue box appears as described in the following figure.

Type user name, password, and phone number, which are provided by your service provider, and then click **Connect**.

If the authentication process is succeed, one dial-up connection will be established. Connection status icons will be created at the lower-right corner of your computer screen, as shown below:

Run web browser and type web address in the address bar.
To disconnect from the network, right click the icon, and select **Disconnect**, as shown blow:

Note: This function is network-dependent.

6 Troubleshooting

Fault	Solution
No dialing tone after off-hook.	Check the installation of the antenna, RSSI signal or restart WF833F/WF833.
The phone is buzzing after off-hooking.	The phone is not compatible with WF833F/WF833, change to another phone.
The phone alerts or gives other prompt sounds after off-hooking.	(★) Make sure the UIM card is inserted correctly, or it is valid (contact the network carrier), or whether the PIN code of UIM card is enabled.
The system stops sending dial tone 50 seconds after off-hooking.	Hook on, and then hook off again to make a call.
No caller number displayed.	Contact the network carrier about the CLIP mode of WF833F/WF833 and the phone is matching.
Unusual power failure cause the terminal restart, the FAX function can not work normally.	Read "4 G3 Fax" and operate again.

Fault	Solution
A succession of failure receiving or sending fax.	Maybe RF signal is weak or loosen antenna screw, change the position of the terminal or check the antenna installation.
It takes a longer time(about 10 minutes) before the charging.	May be the battery is completely flat in storage or used up. It is normal phenomenon.
Other abnormal phenomenon.	Refer to the user manual, and then check whether the parts such as power source and antenna are connected correctly. If there is no problem, restart the WF833F/ WF833.