

ZTE WF832

CDMA Fixed Wireless Terminal

User Manual

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1 General Information

1.1 Welcome

Thank you for choosing the ZTE WF832 CDMA Fixed Wireless Terminal (FWT).

1.2 Safety Precautions

- Some electronic devices are susceptible to electromagnetic interference sent by FWT if inadequately shielded; Try to use the terminal at least 20 cm away from TV sets, radio and other automated office equipment so as to avoid electromagnetic interference.
- Operating of FWT may interfere with medical devices like hearing aides and pacemakers. Consult a physician or the manufacturer of the medical device before using the FWT.
- Be aware of the usage limitation when using FWT 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 terminal on the safe place. The terminal may cause injury if used as a toy by children.
- Do not put other things on the terminal to avoid overlaying radiator.
- Please use original accessories or accessories approved by ZTE. Using any unapproved accessories may affect your FWT's performance, damage your terminal or even cause danger to your body and violate related national regulations about telecom terminals.
- As your FWT can produce electromagnetic field, do not place it near magnetic items such as computer disks.
- Do not expose your FWT to direct sunlight or store it in hot areas. High temperatures can shorten the life of electronic devices.
- Prevent liquid from leaking into your terminal.
- Do not attempt to dismantle the FWT by yourself. Non-expert handling of the devices may damage them.
- It is highly recommended to charge the battery before initial use. The battery may be fully discharged during storage and delivery.
- Keep the length of line between terminals and phone less than 3 meters when it is connected to outer telephone.
- Do not unplug the connector of the data cable from the phone when the power is on.

1.3 Cleaning and Maintenance

- The terminal is not water-resistant, so do not use it in high humidity places such as the bathroom.
- If you want to clean your terminal, please use clean fabric that is a bit wet or anti-static. Turn off your terminal 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 $-10^{\circ}\text{C}\sim 55^{\circ}\text{C}$ and a humidity range of 25%~85%.
- Do not use your terminal during thunderstorm.

1.4 Limit Warranty

The warranty does not apply to defects or errors in the product caused by:

- (a) Reasonable abrasion.
- (b) Misuse including mishandling, physical damage, improper installation, unauthorized disassembly of the product.
- (c) Water or any other liquid damage.
- (d) Any unauthorized repair or modification.
- (e) Power surges, lightning damage, fire, flood or other events outside ZTE's reasonable control.
- (f) Use of the product with any unauthorized third party

products such as generic chargers.

(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 nonconforming items, and is in lieu of all other warranties, expressed, implied or statutory, including 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 this product, whether or not ZTE had been advised, knew or should have known the possibility of such damages.

1.6 Declaration

We, ZTE Corporation, declared that:

- The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.
- Your equipment is a radio transmitter and receiver. It is

designed and manufactured not to exceed limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age or health.

- This equipment complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- The antenna(s) used for this transmitter must be installed with providing a separation distance of at least 20cm from all persons.
- NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful

interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/ TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

2 Getting Started

2.1 Unpacking

Parts	Quantity
Terminal	1
Ni-MH battery	1
External power adapter	1
Antenna	1
Line	1
User manual	1
Certificate of quality	1
CD with package	1,optional
Data cable	1,optional

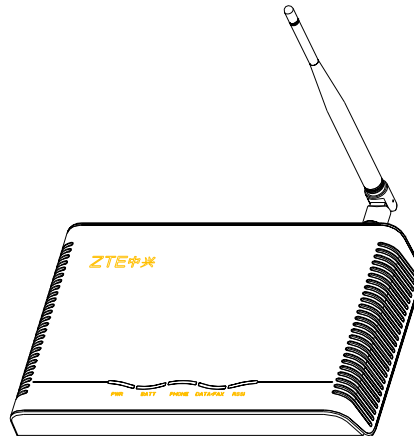
2.2 Technical Parameters

Parameters	Description
Air Interface Protocol	IS-2000,downward compatible with IS-95A/B
Frequency Range	800MHz
LED Display	Power indicator/Battery indicator/ Off-hook indicator/DATA indicator/ RSSI signal strength indicator

External Interface	<ul style="list-style-type: none"> ● External power socket ● Data interface (DATA) ● Antenna connector (ANT) ● Phone/Call meter interface (PHONE FAX)
Power Supply	<ul style="list-style-type: none"> ● Input:230V (AC), 50/60Hz ● Output:+12V (DC)
Voice Decoding	8K EVRC
Dimensions (W×H×D)	220 mm×140 mm×40 mm (Exclude antenna)
Battery	<ul style="list-style-type: none"> ● 1500mAH Ni-Hi battery ● Continuous Standby Time: Approx. 10 hours (Depending on the network condition) ● Continuous Talk Time : Approx. 2 hours (Depending on the network condition)

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

22.3 Appearance



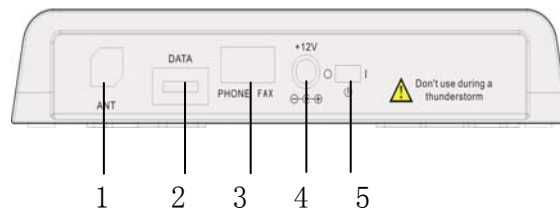
2.3.1 LED Indicator


- PWR (power) Indicator
Indicator turns on when the outer power supply well.
- BATT (Battery) Indicator
Indicator turns on when the phone is power supplied by battery.
Indicator turns blinking when the battery is in low-voltage.

Note: FWT may not work normally when the battery is in low-voltage.


- PHONE (Off hook) Indicator
Indicator turns on when the phone is hook off, it turns off when the phone is hook-on.
- DATA/FAX Indicator
Indicator turns on when FWT is dealing with data service.
- RSSI (Signal strength) Indicator
Indicator turns on when RF signal is normal. Indicator turns blinking when RF signal is weak. Indicator turns off when there is no RF signal.

2.3.2 Interfaces





1. ANT: antenna connector
2. DATA: data interface
3. PHONE FAX: telephone/ call meter
4. External power socket
5. Power switch 

2.3.3 Power Switch

ZTE WF832 may be turned on by switch  at the rear side of the FWT. Turn it to " | " to power on, turn it to "O" to power off.

2.4 Installing

To install ZTE WF832, please:

1. Connect a telephone 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. Connect the terminal to outer power supply using the external power adapter.
4. Turn the power switch  to " | ", and then the terminal will get started. Make sure that the phone is on hook before powering on.
5. If you want to power off the terminal: Turn the switch  to "O".

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

2.5 Power Supply

There are two ways of power supply:

1. External power supply
2. Spare rechargeable battery supply

When using the terminal, please connect it with the external power adapter. Use the spare rechargeable battery of the terminal in case of power failure or when there is no available power socket nearby.

With external power supply, the terminal will automatically check electricity quantity of the battery and charge the spare battery.

If the spare battery will be used up, the indicator light BATT will flash, please connect external power adapter for charging in time.

3 Basic Operations

3.1 Making a Call

3.1.1 Making a Domestic Call

Make sure that ZTE WF832 and telephone connected properly. Off hook the handset of the telephone, and then type telephone number (add area code when making a long distance call) on the keypad of the telephone, the terminal will send it automatically within 4 seconds.

Note: when RSSI light turns off and there is no dialing tone when picking up telephone's handset, 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

Type the country code, the area code and the desired number; the terminal will send it automatically within 4 seconds. Delete the initial "0" from the area code when you make a call.

Country code + Area code + Telephone number

3.1.3 Adjusting Volume during a Call

During conversation, you can press "*" key to decrease

the volume, press "#" key to increase the volume.

3.2 Answering a Call

When the phone rings, pick up the handset to answer. If the hand free function is available on the telephone, you can press the hand free key to answer a call.

Make sure to turn off the hand-free to guarantee next call can come in.

3.3 Call Metering

Connect the call meter's interface to PHONE FAX interface of ZTE WF832, 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 FWT is to support reversal metering and 16 KHz pulse metering. If FWT can't support normally, you can try to follow the instructions below to switch metering model.

For the model of 12 KHz pulse call meter, you can do:

- ✧ Set: Hook off the phone, type *983*7083# with a sound of confirmation.
- ✧ Factory default reset: Hook off the phone, type *983*7084# with a sound of confirmation.

It is recommended that you restart FWT 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

The terminal supports call forwarding; call waiting and three-way call. Please consult with the network carrier for details.

Note: This function is network-dependent.

4 Access Internet

ZTE WF832 FWT supports the speed of 153.6 kbps Internet access through data cable.

Before using Internet service, Please make sure that:

1. FWT and the computer connected well with data cable.

2. Run the "autorun.exe" file from the CD-ROM, which come with the FWT, to install the PC Dial-up Software

If you use special USB data cable, you should install the USB Driver.

3. Click **Start** ,and then select **Program** → **PC_DIAL_UVFWFV1.00.00** → **Dial-Up Software Instruction Manual.doc** to get the information on how to access Internet.

Note: This function is network-dependent.

5 Troubleshooting

Fault	Solution
No dialing tone after off-hook	Check the installation of the antenna, RSSI signal or restart FWT
The phone is buzzing after off-hooking	The phone is not compatible with FWT, change another phone
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	Please consult with the network carrier about the CID mode of FWT and the phone is matching
It takes a longer time (about 10 minutes) before the charging.	May be the battery is fully discharged or used up. It is normal phenomenon.
Other abnormal phenomenon	Please first refer to the User Manual, and then check whether the parts such as

Fault	Solution
	power source and antenna are connected correctly. If there are no problems, please power off and re-start the FWT again.