

User Guide

ETS225M Fixed Wireless
Terminal

Copyright © Huawei Technologies Co., Ltd. 2009. All rights reserved.

No part of this document may be reproduced or transmitted in any form or by any means without prior written consent of Huawei Technologies Co., Ltd.

The product described in this manual may include copyrighted software of Huawei Technologies Co., Ltd and possible licensors. Customers shall not in any manner reproduce, distribute, modify, decompile, disassemble, decrypt, extract, reverse engineer, lease, assign, or sublicense the said software, unless such restrictions are prohibited by applicable laws or such actions are approved by respective copyright holders under licenses.

Trademarks and Permissions



, HUAWEI, and are trademarks or registered trademarks of Huawei Technologies Co., Ltd.

Other trademarks, product, service and company names mentioned are the property of their respective owners.

Notice

Some features of the product and its accessories described herein rely on the software installed, capacities and settings of local network, and may not be activated or may be limited by local network operators or network service providers, thus the descriptions herein may not exactly match the product or its accessories you purchase.

Huawei Technologies Co., Ltd reserves the right to change or modify any information or specifications contained in this manual without prior notice or obligation.

NO WARRANTY

THE CONTENTS OF THIS MANUAL ARE PROVIDED "AS IS". EXCEPT AS REQUIRED BY APPLICABLE LAWS, NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE MADE IN RELATION TO THE ACCURACY, RELIABILITY OR CONTENTS OF THIS MANUAL.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, IN NO CASE SHALL HUAWEI TECHNOLOGIES CO., LTD BE LIABLE FOR ANY SPECIAL, INCIDENTAL, INDIRECT, OR CONSEQUENTIAL DAMAGES, OR LOST PROFITS, BUSINESS, REVENUE, DATA, GOODWILL OR ANTICIPATED SAVINGS.

Import and Export Regulations

Customers shall comply with all applicable export or import laws and regulations and will obtain all necessary governmental permits and licenses in order to export, re-export or import the product mentioned in this manual including the software and technical data therein.

Table of Contents

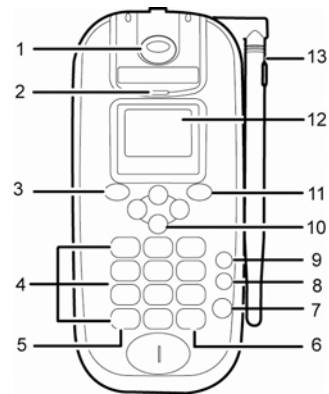
Appearance.....	2
Installation	3
Using the Menu	4
Menu Tree.....	5
Call Service.....	5
Text Input.....	6
Security.....	7
Data Service	7
Warnings and Precautions.....	9

Packing List

The Fixed Wireless Terminal (hereinafter referred to as FWT) package box contains the following items. If any of the items is lost or damaged, contact your local dealer.

- Main unit, handset, and coiled cord
- Power adapter
- Battery (Rechargeable)
- Antenna (Optional)
- Certificate of Quality
- User Guide

Appearance



Item	Description
1. Heaver	■ End the current call.
2. Handset retaining clip	■ Fix the handset when the FWT is wall-mounted.
3. Left soft key	■ Access the main menu in standby mode. ■ Select the option displayed on the lower left corner of the screen. ■ Answer a call.
4. Character/Number keys	■ Number keys from 0 to 9: Enter numbers and characters. ■ Number keys from 1 to 9: Press and hold the key to speed dial a phone number.
5. * key	■ Activate/deactivate the quiet profile in standby mode (by pressing and holding this key). ■ Access the punctuation screen in editing mode.

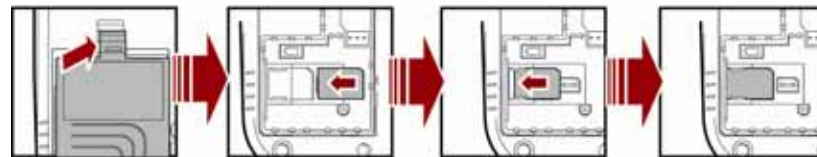
Item	Description
6. # key	<ul style="list-style-type: none"> Lock the keypad in standby mode. Switch between different input methods in text input mode.
7. Call/Redial key	<ul style="list-style-type: none"> Make or answer a call. View the call history in standby mode.
8. HANDFREE key	<ul style="list-style-type: none"> Make or answer a call without lifting the handset. Cancel the dialing, when dialing a number in the hands-free mode. End the current call during a call in the hands-free mode.
9. End key	<ul style="list-style-type: none"> End a call or reject an incoming call. Power on or off the FWT (by pressing and holding it). Return to the standby mode.
10. Scroll keys	<ul style="list-style-type: none"> Access the shortcut screen in standby mode. Adjust the microphone and the earpiece volume during a call. Scroll through a menu
11. Right soft key	<ul style="list-style-type: none"> Access the contact screen in standby mode. Select the option displayed on the lower right corner of the screen.
12. Screen	<ul style="list-style-type: none"> Display information.
13. Antenna	<ul style="list-style-type: none"> Receive signals.

Installation

Step 1: Installing the R-UIM Card (Optional)

Consult the network operator whether the R-UIM card is needed.

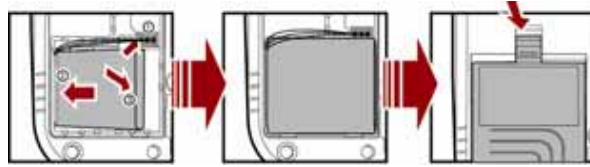
Power off the FWT and unplug the power cable, and install the R-UIM card as shown. Make sure that the golden contact on the R-UIM card is facing downwards.



Step 2: Installing the Battery

Power off the FWT and unplug the power cable, and install the battery as shown. Make sure that the battery cord plug matches the battery jack. Do

not insert the battery reversely.



Step 3: Using the Power Adapter and Charging the Battery


Note:

- When you charge the battery for the first time, charge it for a minimum of eight hours.
- The battery discharges even while not being used. If you have not been used it for a long time, please recharge it first.




1. Connect one end of the power adapter cable to the FWT and the other to the power socket.
2. The battery charging icon is displayed on the screen. The battery charging icon becomes static when the battery is fully charged.
3. When the battery is fully charged, disconnect the power adapter from the power socket first. Then disconnect the power adapter from the FWT.

Step 4: Powering On:

Press and hold  to power on the FWT.

Using the Menu

1. In standby mode, press **Left soft key** to display the main menu.
2. Press **▲ / ▼** to select a menu item.
3. Press **Left soft key** to display submenu.
4. Access the submenu in either of the ways:
 - Press **▲ / ▼** to scroll to a submenu item and press **Left soft key** to

- access it.
- Press the number key corresponding to the number of a submenu to access it.
- 5. Press **Right soft key** to return to the previous menu or return to the home screen.
- 6. Press  to return to the standby mode



Menu Tree

Phone Book	Messages	CallHistory
1. Search	1. Write Message	1. Missed Calls
2. Add New	2. Inbox	2. Received Calls
3. Groups	3. Outbox	3. Dialed Calls
4. Speed Dial	4. Draft	4. Call Duration
5. Copy All (Optional)	5. Voice Mail	5. Delete All
6. Delete All	6. Message Settings	
7. My Phone Num	7. Delete All	
8. Memory Status		




Fun&Utility	Profiles	Settings
1. Alarm	1. General	1. Display
2. Schedule	2. Outdoor	2. Call Settings
3. Calculator	3. Quiet	3. Phone Settings
4. Stopwatch		4. Security
5. World Clock		

Call Service


Making a Call


1. In standby mode or off-hook mode, enter a phone number.
2. Press  to dial the number.
3. Press  or hook up to cancel the dialing.

Note:

- In standby mode, press  to view the call history. Select a record and press  to dial this number.
- Select a phone number from **Phone Book** and press  to call this contact.

Answering a Call

When there is an incoming call, press , , **Left soft key** or hook off to answer it, or press  or hook up to end it.

If the any-key answer function is activated, you can press any key except **Right soft key** and  to answer an incoming call.

Text Input

Changing Text Input Modes

In editing mode, the current text input mode is displayed. Press the # key to change the input mode.

Note:


- In the editing mode, press **Right soft key** once to delete the letter on the left of the cursor. Press and hold **Right soft key** to delete all the entered letters.
- In the "ABC" or "abc" input mode, press **0** once to enter a space, press **0** for two consecutive times to enter a "0", and press **0** for three consecutive times to start a new line.
- In the "ABC" or "abc" input mode, press **1** repeatedly to select and enter the commonly used punctuations.

Entering English (ABC or abc)





In the "ABC" or "abc" mode, press number keys to enter English letters.

Press a number key once to enter the first letter on the key; press the key twice to enter the second letter on the key, and the rest may be deduced by analogy.

Note:

If the letter you want to enter is on the same key of the previous one, you can enter the latter one only after the cursor appears again or after you press  to move the cursor to the next space.

Intelligent Input (eZiEn)

1. According to the word to be entered, press the corresponding number keys once, and the FWT makes out the candidate words.
2. Press  /  or the * key to select the word.
3. Press  /  to confirm your selection. The word is displayed in the input area. Alternatively, press the **0** key to confirm your selection and enter a space behind the word.

Entering Numbers

- In the "123" input mode, press a key labeled with the desired number.
- In the "ABC" or "abc" input mode, press the key consecutively until the desired number is displayed.
- In the "eZiEn" input mode, press the number key and then press the ▲ / ▼ key until the desired number is displayed.

Entering Symbols

1. In any input mode, press the * key to display a symbol list.
2. Press ▲ / ▼ to select the desired symbol.
3. Press the corresponding number key to enter the symbol.

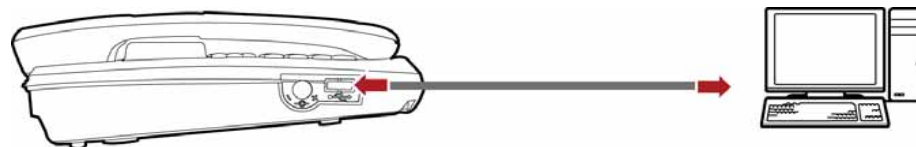
Security

- The FWT lock protects your FWT from unauthorized use. The default FWT lock code is **000000**. You can change it into any numeric string of 4 to 8 digits.
- The personal identity number (PIN) protects your R-UIM card from unauthorized use. The PIN unblocking key (PUK) can unblock the blocked PIN. Both the PIN and PUK are delivered with the R-UIM card. For details, consult your service provider.
- In standby mode, if the automatic keypad lock function is enabled and the standby time exceeds the preset period, the keypad will be automatically locked.

Data Service

Connecting the FWT to a PC

The FWT can be connected to a PC to provide data services. Data services include Internet surfing and faxing. To use data services, you need to purchase the data service suite and connect the FWT to a PC as show in the following figure. For details, consult your local dealer.



Installing the Management Program

If you are using the data service for the first time, you need to install the

FWT management program. The steps of installing the FWT management program are as follows:

1. Connect the FWT to a PC with a compatible USB cable.
2. The system finds the new hardware and installs the modem driver automatically.
3. The installation program automatically starts, and then the installation interface is displayed.
4. Follow the instructions of the installation program.
5. When the installation completes, a shortcut icon of the FWT management program is displayed on the desktop and the FWT is restarted.

Note:

The operating system configuration requirement of a PC: Windows 2000, Windows XP, Vista (32-bit or 64 bit).

Accessing the Internet

Before accessing the Internet, you need to set the network connection. If you use the default settings, skip the following operations.

1. Connect the FWT to a PC with a compatible USB data cable.
2. Double-click the shortcut icon of the FWT management program.
3. Click **Connect**.
4. Click **Settings** to set the network connection.

Note:

You can consult your network operator for more information about the network connection.

PC Fax

Before using the fax service, do the following steps:

1. Install the modem driver on the PC.
2. Install the PC facsimile software on the PC.
3. Select **Settings>Phone Settings>Data Service>Fax Mode**. Start the service.

Note:

For the usage of PC fax software, see the description of particular software. This guide only describes operations on the FWT to use the PC fax function.

Warnings and Precautions

Before using the FWT, read the following cautions and let your children know these, so that you can use your FWT correctly and safely.

Basic Cautions

- According to the packing list, check items in the package box to make sure that they are complete and undamaged.
- Before installing and using the FWT, read this User Manual carefully.

Electronic Device

Power off your FWT near high-precision electronic devices. The FWT may affect the performance of these devices.

Such devices include hearing aids, pacemakers, fire alarm systems, automatic gates, and other automatic-control devices. If you are using an electronic medical device, consult the device manufacturer and confirm whether the radio waves affect the operation of the electronic device.

Hospital

Pay attention to the following points in hospitals or health care facilities:

- Do not take your FWT into the operating room (OR), intensive care unit (ICU), or coronary care unit (CCU).
- Power off your FWT near medical devices.
- Observe any instructions wherever the use of wireless device is prohibited.

Traffic Safety

- Do not use your FWT while driving. Secure the FWT on its holder. Do not place the FWT on the seat or other places where it can get loose in a sudden stop or collision.
- Observe the rules and regulations of airline companies. Power off your FWT before boarding an aircraft.

Operating Environment

- Do not place magnetic storage media such as magnetic cards and floppy disks near the FWT. Radiation from the FWT may erase the information stored on them.
- Do not put your FWT, battery, or other accessories in containers with strong magnetic field, such as the induction cooker and microwave oven. Otherwise, circuit failure, fire, or explosion may result.

- Do not place or use the FWT, the battery or the power adapter near any heat sources such as fire or a heater; or places with flammable gases; or areas with electrical appliances that give out heat. Otherwise, it will cause fire, explosion and breakdown of the FWT
- Because the FWT needs to eliminate heat during working, put the FWT and the power supply in a ventilated and shadowy place. Never airproof the FWT or put something on it or place it near water, fire as well as inflammable and explosive materials.
- Because the FWT contains precision devices, you should put it in a dry place and away from moist materials.
- Before cleaning the FWT, please power off the FWT, and then disconnect the power supply and take out the battery. Before moving the FWT, please disconnect the external power supply.
- Do not subject your FWT, battery, and power adapter to serious collision or shock. Otherwise, battery leakage, FWT malfunction, overheats, fire, or explosion may result.
- Do not place sharp metal objects such as pins near the earpiece. The earpiece may attract these objects and hurt you when you are using the FWT.
- Do not place the FWT in the area over the air bag or in the air bag deployment area. Otherwise, the FWT may hurt you owing to the strong force when the air bag inflates.
- In raining and lightning, disconnect the power adapter from external power supply and power off the FWT.
- Put your FWT, battery, and power adapter in places beyond the reach of children. Do not allow children to use the FWT, battery, or power adapter without guidance.
- Do not touch the antenna when a call is going on. Touching the antenna may affect call quality and cause the FWT to operate at a power level higher than needed.
- The network signal condition will directly affect the quality and stability of the call. Consequently, you should place the FWT in a place where it can receive network signal well. Do not put FWT in a building with an iron or metal roof. The distance between FWT and other metal materials (such as metal brackets or metal doors and windows) should be greater than 25cm and the distance between FWTs should be greater than 30cm.
- Do not open the chassis in any case and the device should be maintained by a qualified maintenance department.
- Without permission, you are not allowed to modify the architecture and security design of FWT. You must bear any consequence resulted from the operation without permission.
- Your FWT is designed to conform to the authoritative international radio

frequency (RF) specifications. Use FWT accessories approved by Huawei only.

- The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons.
- The supplied antenna should be the only antenna used with the device and any other antennas are strictly prohibited.
- The band/operation of this device is permitted in the US.

Emergency Call

You can use your FWT for emergency calls. However, connections in all conditions cannot be guaranteed. You should never rely solely on the FWT for essential communications.

Battery

- If the battery fluid gets into eyes, do not rub them. Wash with clean water and seek medical assistance immediately.
- If the battery fluid contacts skin or cloth, wash with clean water immediately to avoid irritation to the skin.
- Do not dispose of the battery in fire. Otherwise, the battery may ignite or explode.
- When installing the battery on your FWT, do not push the battery by force lest battery fluid leak out or the battery crack.
- Do not connect two poles of the battery with metallic materials such as cables.
- Do not disassemble the battery or solder the battery poles. Otherwise, fluid leakage, overheat, fire, or explosion may result.
- If there is battery leakage, smoke, or strange smell, stop using the battery and keep it away from open flame to avoid fire or explosion.
- Disconnect the power adapter and take out the battery when the FWT is not used for a long time.
- Do not select its self-contained complete battery and power adapter; otherwise, the FWT may be spoiled. Huawei Technologies Co., Ltd is not responsible for any consequences caused by using non-standard batteries or power supplies. Dispose of used batteries according to the instructions.
- Dispose of the battery according to local laws or regulations.

Power Adapter

- Use AC power as specified for the power adapter. Any violation of this rule may result in fire or malfunction of the power adapter.
- Do not short-circuit the power adapter. Short-circuiting the power adapter may cause fire or malfunction of the power adapter.
- Remove the dust on the power plug regularly.
- Do not use worn-out power cords. Otherwise, electric shock, short-circuiting of the power adapter, or fire may result.

- Do not put the power adapter near the container filled with liquid such as water. If the liquid comes into the power adapter, electrical leakage or other faults may result.
- If the liquid such as water comes into the power adapter accidentally, remove the plug of the power adapter from the socket immediately.
- Disconnect the power adapter from the socket before cleaning or maintaining it. Otherwise, electric shock or short-circuiting of the battery or power adapter may result.
- Ensure the plug of the power adapter is properly inserted into the power socket when charging the battery. Improper insertion may result in electric shock, fire, or explosion.
- Do not place any heavy object on the power cord of the power adapter. Do not damage, change, or pluck the power cord.

Environmental Protection

Abide by the local laws in proposing of the package materials of your FWT, consumed batteries and used FWT, and try to recycle them.

FCC Statement

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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 device and receiver.
- Connect the device 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.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications made to this device not expressly approved by Huawei Technologies Co., Ltd. may void the FCC authorization to operate this device.

Disposal and Recycling Information



This symbol on the device (and any included batteries) indicates that they should not be disposed of as normal household garbage. Do not dispose of your device or batteries as unsorted municipal waste. The device (and any batteries) should be handed over to a certified collection point for recycling or proper disposal at the end of their life.

For more detailed information about the recycling of the device or batteries, contact your local city office, the household waste disposal service or the retail store where you purchased this device.

The disposal of this device is subject to the Waste from Electrical and Electronic Equipment (WEEE) directive of the European Union. The reason for separating WEEE and batteries from other waste is to minimize the potential environmental impacts on human health of any hazardous substances that may be present.

Reduction of Hazardous Substances

This device is compliant with the EU Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) Regulation (Regulation No 1907/2006/EC of the European Parliament and of the Council) and the EU Restriction of Hazardous Substances (RoHS) Directive (Directive 2002/95/EC of the European Parliament and of the Council). For more information about the REACH compliance of the device, visit the Web site www.huaweidevice.com/certification. You are recommended to visit the Web site regularly for up-to-date information.

EU Regulatory Conformance

Hereby, Huawei Technologies Co., Ltd. declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For the declaration of conformity, visit the Web site www.huaweidevice.com/certification.

CE0168

Notice: Observe the national local regulations in the location where the device is to be used. This device may be restricted for use in some or all countries of European Union.

Version: V100R001_01 Part Number
31019809