

**Thanks for using the Single-channel GSM fixed wireless terminal. Please read this user's manual carefully before use.**

**Note: Never use the terminal within the following areas:**

- **Areas where the wireless transceiver is forbidden to use or needs to be shut down.**
- **Gas stations**
- **Storage areas with flammable and explosive stuff**
- **Other environments in which danger maybe caused by wireless communication**

## 1. Functions & Features

Single-channel GSM fixed wireless terminal is an innovative wireless access terminal. You can make phone calls via GSM . It's ideal to be used in offices and home to reduce comparatively high phone charges. It also can be connected to charge counter as wireless public phone. This device has the following functions:

- 1). Using SIM card and suitable for GSM 900/1800/850/1900MHz.
- 2). Router selection: call out vial GSM
- 3). Connected to the charge counter
- 4). Can set up call-out/call-in restriction
- 5). Caller ID
- 6). Hands free, redial, sound volume adjustment while calling in/out.
- 7). Provide the reverse polarity signal for charging.
- 8). PIN code protection.
- 9). Built-in Rechargeable battery

## 2. Terminal Configurations

Standard Single-channel GSM Fixed Wireless Terminal includes the following accessories:

Accessories	Quantity
Single-channel GSM Fixed Wireless Terminal mainframe	1
Antenna	1

SIM cardboard	1
Telephone cable	2
Adapter	1
User's manual	1
Bolt	3

### 3. Terminal Installation

#### 3.1 SIM card installation:

**Caution! Please fix the SIM card before connecting to the power supply!**

- 1). Upend the mainframe so you can see the SIM card pedestal at the bottom.
- 2). Push SIM card nog gently along with arrowhead to put it up.
- 3). Insert SIM card into the nog.
- 4). Press down the nog of SIM card and push it by the backward direction of arrowhead until the SIM nog is fixed on the card pedestal.
- 5). Use the SIM cardboard to cover pedestal and screw it down.

#### 3.2 Assembly of the terminal:



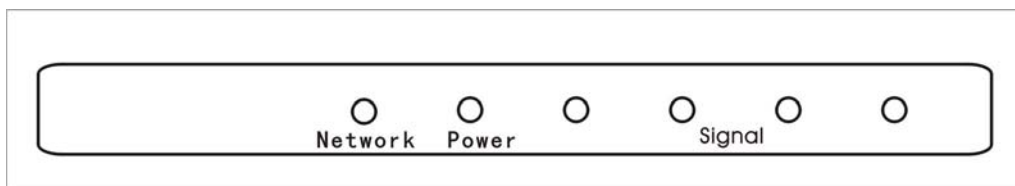
#### External ports

- 1). Make sure the SIM card installed correctly.
- 2). Screw down the connector of the antenna to the bolt stick on the panel marked with "Antenna" on the back of the device.
- 3). Plug one connector of standard phone cable to the phone, and plug the other end to the port on the panel marked with "Phone" on the back of the device.
- 4). Make sure the switch of device is off, then plug the input connector of the adaptor to the AC power socket, and the output connector to the "Power" port on the back of the device.

### 4. Operation Instructions

Turn on the power switch at the back of the terminal after connecting the terminal correctly

#### 4.1 Explanation of indicators' state:



### Indicators

- 1) The power indicator indicates whether the power get through or not.

The indicator light is on when the device is power on, and flash in calling; the light is off when the device is turned off.

- 2) The signal intensity indicators whether the device get connected with GSM network or not and display signal intensity.

The two lights are on (orange), it means the device get connected with GSM network. The some other lights are on (green), they display the current signal intensity. When the signal is stronger, more indicator lights will be on, vice versa.

### 4.2 Dial the telephone:

GSM call out: the network indicator is off, press “#” after hearing the dialing tone until the network indicator is on, and then dial the number.

### 4.3 Answer a telephone call:

When the telephone rings on, answer the phone by picking up the handset.

### 4.4. Recharge battery.

The GSM-TIT670 can be recharged by adaptor.

Note: please put the power ON when recharging.

## 5. Setting Functions

This terminal can set up and adjust the following functions:

- 1). Set up the local area code in advance. The user can dial the local telephone without dialing the local area code.
- 2). Can adjust the multi-level sound volume.
- 3). Can set up the restriction of call-in/call-out.
- 4). Can set up lock SIM card.

**Caution! The system setup must be operated by the professional person.**

## 6. Technique Parameters

Items	Parameters
Working voltage	AC110~230V; DC12V (Adaptor is enclosed according to local standard voltage. Before use, please make sure the adaptor voltage matches with local voltage.)
Environment temperature	0~45°C
Humidity	40%~95%
Atmospheric pressure	85~110Kpa
Environment noise	<60dB
Eradiation power	2W
Sensitivity	-104dBm
Antenna gain	1dB

## 7. Troubleshooting

No.	Problem	Possible Causes	Possible Remedy
1	Not connected to GSM network.	<ol style="list-style-type: none"> <li>SIM card not inserted correctly.</li> <li>SIM card is dirty.</li> <li>Antenna is not well connected.</li> </ol>	<ol style="list-style-type: none"> <li>Install the SIM card again.</li> <li>Clean the SIM card with a dry cloth.</li> <li>Check the antenna connection.</li> <li>Adjust the antenna position.</li> </ol>
2	No dialing tone is heard after off-hook.	<ol style="list-style-type: none"> <li>The phone cable is not correctly connected.</li> </ol>	<ol style="list-style-type: none"> <li>Check the cable connection.</li> </ol>
3	No caller ID.	<ol style="list-style-type: none"> <li>The service is not enabled.</li> <li>The phone does not support caller ID.</li> </ol>	<ol style="list-style-type: none"> <li>Check the service is enabled on the GSM network.</li> <li>Change for a phone supporting caller ID.</li> </ol>

### ▲ Notes

- Working environment: Choose areas with good signal

- 2、 Requirement for the power supply: The reliable and stable power supplies will guarantee the normal working of GSM terminal.
- 3、 Antenna: Keep the antenna far away from the telephone to reduce the communication disturbance.

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, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized changes and modifications to this equipment. Such changes and modifications could void the user's authority to operate the equipment.

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.