

GSM Fixed Wireless Terminal

user's manual

The functions are based on the actual products.

7. Troubleshooting

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

▲ Notes

- Working environment: Choose areas with good signal
- Requirement for the power supply: The reliable and stable power supplies will guarantee the normal working of GSM terminal.
- Antenna: Keep the antenna far away from the telephone to reduce the communication disturbance.

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Thanks for using the 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

GSM fixed wireless terminal is an innovative wireless access terminal. 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). Least Cost Routing (optional)

One terminal with two numbers (GSM mobile phone number and PSTN telephone number),

you can make phone calls via GSM or PSTN network.

2). Provide the reverse polarity signal and can connect with the charge counter for charging

3). Can set up call-out/call-in restriction

6. Technique Parameters

Items	Parameters
Working voltage	AC100~240V; DC12V (Adaptor is enclosed according to local standard voltage. Before use, please make sure the adaptor voltage matches with local voltage.)
Environment	0~45°C
Humidity	40%~95%
Atmospheric pressure	85~110Kpa
Environment noise	<60dB
Eradiation power	2W
Sensitivity	-104dBm
Antenna gain	>5dB

4.2 Dial the telephone:

PSTN call out: the network indicator light is off under PSTN network, pick up the handset and dial after hearing the dialing tone (Under stand-by status, the device is under PSTN network).

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.

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.

4). Caller ID

5). Hands free, redial, sound volume adjustment while calling in/out.

6). Can connect with PBX

7). Support calling transfer function.

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	1
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 gently along with arrowhead to put it up.
- 3). Insert SIM card into the slot.
- 4). Press down the top of SIM card and push it by the backward direction of arrowhead until the SIM top 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

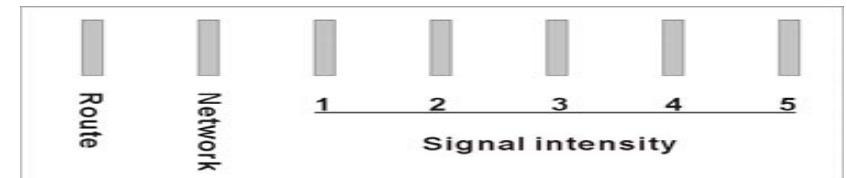
- 1). Make sure the SIM card is installed correctly.
- 2). Screw down the connector of the antenna to the bolt stick on the panel marked with "Antenna" on the back of the device.
- 3). Plug one connector of standard phone cable to the phone, and plug the other end to the port on the panel marked with "Phone" on the back of the device.
- 4). Plug PSTN cable to the port on the panel marked with "PSTN" on the back of the device.

- 5). 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 route indicator indicates which network is working - GSM or PSTN.
This light is on while the device is operated under GSM network, vice versa.
- 2) The network indicator indicates whether the device is connected with GSM network or not.
The indicator light is on when the device is connected with network, and flashes during calling.
- 3) The signal intensity indicators display signal strength.
When the signal is stronger, more indicator lights will be on, vice versa.