FS020U

USB MODEM

User Manual

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1 Introduction

The product is designed to enable PC users access to the Internet via GPRS/EDGE/UMTS/HSPA/LTE networks. It uses a standard USB interface for a fast simple connection to your PC.

The modem's firmware includes the following features:

- Wireless Internet connection
- Setting
- Network recording

2 Description for Client Interface

Activate Client

To activate client, please double-click the shortcut icon of client on the desktop.

Note:

- Operational Instruction for PIN: If the user activates PIN under the setting menu, it shall be required to input the correct PIN while using the application procedure (totally 3 times to input PIN, if the number is wrongly-input after 3 times, thus, PUK should be used to decode the PIN, and the input of PUK is only 10 times, if the number is wrongly-input after 10 times, (U)SIM will be locked or damaged, Please contact the local operator for settlement).

- (U)SIM is provided by the network operator. Please contact the operator for more information.

Introduction to Interface

1. Function Icon

The definition of function icon provided by client is as follows:

Shortcut icon	Description
🌐	Connection
🛠	Setting
🕐	Network recording

2. Status Information

The status information displayed by client is as follows:

Status Information	Description
Network signal	ᴸᵀᴱ📶/₃ᴳ📶 / ᴳ📶 Indicates the signal strength of the current connected network
Network types	• **LTE** Displays when supporting LTE
	• **E** Displays when supporting EDGE
	• **H** Displays when supporting HSPA
	• ᴳ📶 Displays when supporting GSM (GPRS)
	• ₃ᴳ📶 Displays when supporting UMTS
	• ᴸᵀᴱ📶 Displays when supporting LTE
	• Display "No device" when the device can't be

		found.
	•	Display "No (U)SIM " when the (U)SIM can't be found.
Device and	•	Display "Invalid" when the (U)SIM is invalid.
Network	•	Display "Searching" when searching the network.
information		
	•	Display "No service" when the network can't be found.
	•	Display the name of network operator after successful network registration.
Network connection status	• 🖥	Indicates network has been connected.
	• 🖥	Indicates network hasn't been connected.

3. Tray Icon

Click on 🔲 to close the main window, The main window can be reopened by double clicking on the tray icon.

The icon context menu in the tray area:

• Open: open the main window.

• About: display the information of software version.

• Exit: exit from the application software.

3 Connection

Auto-connection and customized-connection modes are provided to access to the network.

Automatically connect to the network

If using the default connection configuration, you should connect by dialing according to the default connection profiles.

1. Connect

- Select connection mode: click on <Connect> for auto connection.

- After the completion of connection, 🖳 under the window status bar will turn into 🖳 .

2. Disconnect

Click on <Disconnect> to disconnect the connection.

Customized Network Connection

Click on ✖ under the main windows, select <Connection setting> to set up customized-connection.

1. New

Input the value of various parameters in the <New> area box, and the profiles file is added into the connection profile list.

Note: Please contact the network operator for profile information.

2. Predefined List

Select a profile in the predefined list and then add it into the connection profile list.

3. Edit

Select one profile in the available list and then to edit.

4. Delete

Select one profile in the available list and then to delete it.

5. Set default

- Select one item from the list of available connection profile(s).
- Click on <Set Default> to set default;
- Enter into the connection interface to establish corresponding connection.

4 Setting

Connection

Click on <Connection > to display available connection profile.

1. Sound

Enabled/Disable sound prompts when Internet connection or

disconnecting.

2. Connection Setting

Please refer to "Connection". For customized-connection network

information

PIN Management

1. Enabled PIN

- Click on <Enabled PIN> to select Enable/Disable and activate

  PIN launching or close dialog box;

- Input the correct PIN;

- Click on <Ok> to prompt the launching or closing PIN.

2. Modify PIN

- Click on <Modify PIN> to enter into the PIN modification window

- Input the original PIN;

Input new PIN and re-input for confirmation, and click on <Ok>.

Note:

It can be allowed only the PIN enabled.

Language Setting

Click on <Language setting> to select language, and the window will display the selected language when restart the client.

Network Connection

Network Mode

- Click on <Network Mode>to select, network mode defaulted is auto;
- Click on <Auto>/< 1x only >/< 3G only > to relevant network mode.

Diagnostics

Click on < Diagnostics > to launch the window of diagnosis information.

Click on <Export> to export this information which will be saved as*.txt file.

5 Network recording

Network recording

The user can view the network recording.

6 FAQ

1. Q: Which operation systems does the software support?

    A: It supports Windows XP, Windows Vista, Windows 7.

2. Q: I cannot install applications?

    A: The reasons are shown below:

        1. If automatic installation unfinished, please check whether the antivirus and security software is working. If it is, close it and reinstall. To those which cannot be disabled, close the monitor program and do not start it until installation finished.

        2. On some PCs, installation of the driver may take a long time because of the PC configuration. So please wait and do not cancel or unplug the device during installation. If it failed, uninstall the driver first and then reinstall it.

3.　Q:　The (U)SIM does not register any networks

　　A:　The reasons are shown below:

　　　　1. Unstable local signal;

　　　　2. The software is an old version;

　　　　3. Hardware problem.

　　　　You may:

　　　　1. Try to logon from another location;

　　　　2. Update the software;

　　　　3. Check the hardware or use another data card and retry.

4.　Q:　Why does the prompt "Unavailable connection profile" appear?

　　A:　Please add a connection profile manually.

5.　Q:　It failed to connect to the internet

　　A:　Please make sure the connection profile and settings are correct.

6.　Q:　The connection speed and data transfer rates are too slow

　　A:　Please check the local network signal strength.

7.　Q:　Why can I only save part of the name when adding a new contact?

　　A:　The inputted character exceed the maximum length of

(U)SIM

8. Q: Does it support roaming?

    A: This depends on the local operator. Please check with your local operator or service provider.

Please make sure the temperature for device will not be higher than 55 ˚C

The device could be used with a separation distance of 0.5cm to the human body.

Assessment of compliance of the product with the requirements relating to the Radio and Telecommunication Terminal Equipment Directive (EC Directive 1999/5/EC) was performed by PHOENIX TESTLAB (Notified Body No.0700)

CE 0700

FCC Regulations:

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.

This device 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 radiated 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

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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.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. The exposure standard for wireless device employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6W/kg. *Tests for SAR are conducted using standard operating positions accepted by the FCC with the device transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the device while operating can be well below the maximum value. This is because the device is designed to operate at multiple power levels so as to use only the poser required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power

output. SAR compliance has been established in the host product(s) (laptop computers), tested at 5mm separation distance to the human body, and tested with USB slot configurations including Horizontal-UP, Horizontal-Down, Vertical-Front, Vertical-Back. This device can be used in host product(s) with substantially similar physical dimensions, construction, and electrical and RF characteristics. The highest SAR value, tested per FCC RF exposure guidelines for USB dongle, as described in this user guide, is 1.32 W/kg. The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid after searching on FCC ID: WLPFS020U.